...worth a thousand words.

See page 23.

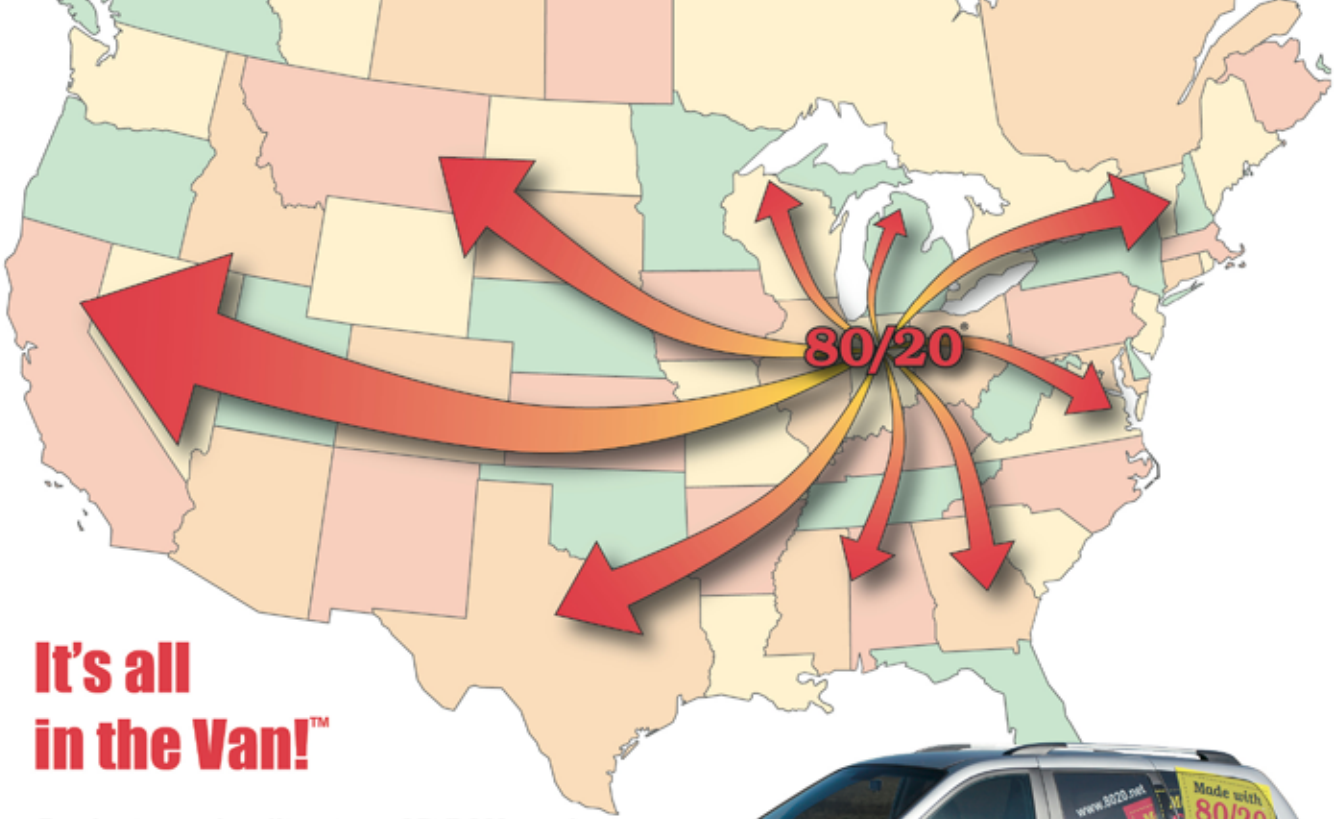
80/20®

The Industrial Erector Set®

CATALOG 18

www.8020.net

THE STANDARD



It's all in the Van!™

- Product samples, literature, CD-ROMs and a unique pull-out demonstration gurney.
- Hundreds of products, application ideas and photos.
- Displayed by an 80/20® specialist who can answer your questions.
- Request a visit today by calling 260-248-8030 or visit www.8020.net.

LOOK FOR 80/20 DEMO VANS ALL ACROSS THE USA!

Introducing QR (Quick Response) Codes

Scan these codes with your smart phone to gain access to additional product information and video. To get started:

1. Download a QR app to your smart phone
2. Follow directions within the app and scan each code
3. View additional information

"THE STANDARD" refers to the value we have cultivated, nurtured and consistently invest in to make sure you, our customer, get more…the best value anywhere. These are generative values that, while often attempted, cannot be faked, easily copied or replicated. We continue, after twenty years, to set "THE STANDARD" in our industry by going beyond the product offering you find in this catalog. We call it "Peace of Mind" (see page 1) and it's all yours when you go with 80/20, "THE STANDARD".

www.8020.net

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We specialize in FAST same day shipments!

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

WHAT IS 80/20?

We are the manufacturer of *The **Industrial** Erector Set®*, a modular framing system consisting of aluminum profiles, fasteners, and accessories that fit together to make virtually anything.

WHO CAN USE IT?

Anyone who has a need or an imagination can use 80/20®.

WHEN DO YOU NEED 80/20?

Always! 80/20 can be used for almost anything: modular machine frames, desks and cubicle walls, material handling racks, adjustable carts, trade show exhibits, or *anytime.*

WHERE CAN IT BE USED?

Anywhere your imagination takes you – there are no limitations.

WHY IS IT NEEDED?

80/20 provides **solutions** to problems.

80/20 Catalog Color Code

Fractional Series Profiles and Parts Pages 145-634

Metric Series Profiles and Parts Pages 635-1078

Holey Tube Profiles and Parts Pages 1079-1164

Quick Frame Profiles and Parts Pages 1165-1214

Glossary & Index Pages 1215-1248

Quick Reference Guide to Catalog 18

Peace of Mind ---------- 3
Made with 80/20 Stuff---------- 23
New Products---------- 55
Aluminum Profile Selection---------- 65
Pictorial Table of Contents----------117
Fractional Series ----------145-634
- Profiles----------147
- Structural Shapes----------203
- Fastening Options ----------221
- Joining Plates----------261
- Dynamic Pivots----------333
- Panels & Doors----------349
- Accessories ----------433
- Floor to Frame----------457
- Linear Motion ----------497
- Stanchions----------533
- Tools----------549
- Machining Services ----------559
- AutoQuoterX ----------609

Metric Series ----------635-1078
- Profiles----------637
- Structural Shapes----------695
- Fastening Options ----------711
- Joining Plates----------753
- Dynamic Pivots----------815
- Panels & Doors----------831
- Accessories ----------915
- Floor to Frame----------939
- Linear Motion ----------979
- Tools----------1015
- Machining Services ----------1025

Holey Tube ---------- 1079-1164
- Profiles----------1081
- Fasteners ----------1097
- Joining Plates----------1103
- Panels & Doors----------1109
- Accessories ----------1129
- Floor to Frame----------1143
- Machining Services ----------1155

Quick Frame ---------- 1165-1214
- Profiles----------1167
- Connectors ----------1171
- Panels & Doors----------1185
- Floor to Frame----------1203
- Machining Services ----------1209

Glossary----------1215
Index ----------1221

80/20® Inc.
*The **Industrial** Erector Set®*
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HOW 80/20'S T-SLOTTED ALUMINUM PROFILES REDUCE YOUR FABRICATION TIME AND COST

$189.05 *versus* **$236.19**

T-Slotted Aluminum

24" x 24" x 18" 20 Lbs.

What it Takes:

1. Design time*
2. Bill of materials*
3. Purchase materials
4. Assemble frame per design

* AutoQuoterX™ page 609

Benefits:

- No welding - no fighting heat stress or warping
- No priming or painting
- Lightweight, easy to machine
- Uses standard fractional or metric fasteners
- Less engineering time required
- Easy to fabricate - only simple hand tools required
- T-slot technology is industry accepted
- Great aesthetic value
- No expensive fabricating equipment required
- Machine frames can be easily reconfigured for design changes

Bill of Materials:

Qty.	Description	Cost
4	1515-Lite x 18"	32.40
4	1515-Lite x 21"	37.80
8	#7010 Saw Cut	15.60
8	#4301 Inside Corner Brackets	34.40
32	#3320 5/16-18 x 5/8" Flanged BHSCS & T-nut	19.20
1	6110 T-Handle Ball End Hex Wrench	5.00
1	6100 Ball End Hex Wrench	1.75
4	2030 End Caps	5.40
	1/2 hr. labor to assemble @ 75.00/hr.	**37.50**
	Total Project Cost	**$189.05**

Welded Steel Frame

24" x 24" x 18" 33 Lbs.

What it Takes:

1. Design time
2. Bill of materials
3. Purchase materials
4. Cut to length
5. Deburr
6. Set up fixture
7. Weld
8. Grind welds
9. Clean weld splatter
10. Drill and/or tap for mounting accessories
11. Degrease
12. Mask non-paint areas
13. Primer coat
14. Paint

Fabricating Equipment Required:

- Band Saw • Grinder • Welder
- Paint Booth • Skilled Labor

Bill of Materials:

Qty.	Description	Cost
4	1 1/2" x 1 1/2" x 1/8" wall x 18" steel tube	38.96
4	1 1/2" x 1 1/2" x 1/8" wall x 21" steel tube	44.23
	Welding supplies, sandpaper, cleaning supplies, tape, paint, etc,	33.00
	4 hrs. labor @ 30.00/hr.	**120.00**
	Total Project Cost	**$236.19**

We specialize in FAST™ *same day shipments!*

The 80/20® Attitude

Vilfredo Pareto

The 80/20 theory is a powerful tool. In business, it's also called Pareto's Law after Vilfredo Pareto (1848-1923), an Italian economist and sociologist, who said that ***80% of your results come from 20% of your efforts***. We run our organization this way and you share in the advantages.

The key to both growth and success is how we use the time between the stimulus and the response. Don't let those things which matter least get in the way of the things that matter most…like serving our customers.

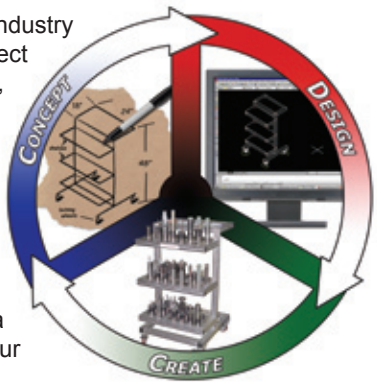
Our company name came from Pareto; our company philosophy comes from the poet Walt Mason:

"There's a man in the world who is never turned down… he's the man who delivers the goods." - *Walt Mason*

Combining the wisdom and experience of our past, 80/20 is focused on exceeding the demands our future will inevitably present.

Peace of Mind

80/20® provides modular framing systems that can be adjusted to fit any industry and application. From light to heavy-duty, 80/20 modular framing is a perfect solution for machine frames, guarding, enclosures, displays, workstations, and more. Our philosophy at 80/20 is to provide peace of mind to all our customers. What does peace of mind really mean?



- **ONE-STOP SHOPPING.** It's all in stock, ready to ship. Do you need something that isn't in our catalog? If so, let us know. We'll do our best to make it or source it for you.
- **SAME-DAY SHIPMENTS** of parts, kits and full length bars in just days.
- **FREE DESIGN ASSISTANCE.** Need help getting your project beyond a simple sketch? 80/20 provides free design assistance – just send us your sketch and dimensions. We'll help you get started.
- **CUSTOM MACHINING.** Need a unique part? We can machine any part or piece from the 80/20 catalog and beyond to help customize your application to fit your need.
- **VALUE ADD.** Running out of time? Let 80/20's team of seasoned builders construct your project for you.
- **FREE TAGGING AND KIT PACKAGING SERVICES.** Packaged to your specs and ready to assemble.
- **AUTOMATED QUOTATION SOFTWARE.** Auto Quoter makes specification and design easy.
- **FREE DRAWING FILES** for most design programs. Integrate 80/20 product into your existing design. Download drawing files at www.8020.net.
- **NO MINIMUM ORDERS.** If you need it we'll ship it to you. We appreciate all of your business, even the small orders.
- **EXTENSIVE FIELD SUPPORT.** On-site project evaluation, technical support, training, and demonstrations are just a phone call away.
- **LARGEST PRODUCT OFFERING IN THE BUSINESS**
- **YOU ARE THE BOSS – WE SERVE YOU!**

Peace of mind means you have a partner in creating your project… from concept to design… to implementation.

Peace of Mind

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

How to Use Catalog 18

There are five ways to navigate the 80/20 catalog:

1) **Table of Contents - Page 1**
2) **Pictorial Overview - Pages 117-144**

Page 1092

Page 242

Page 297

Page 500

3) **Part Number Index**

Part#	Page #	Part#	Page #
2502	450	2508	450
2503	450	2509	450
2504	450	2510	450
2505	450	17-5510	745
2506	450	25-2427	889
2507	450	65-4512	771

4) **Alphabetical Index**

Part Description	Page #
Access Hole Ordering Details	566, 1031
ACCESSORIES	433, 915, 1129
AkroBins®	446, 923, 1133

5) **Index**

Look up "stuff" in the catalog. *For example:*

6715 - What is it? Look up 6715 in the ***Part Number Index***. It's easy to search for a particular part number. Part number 6715 can be found on page 500. All of the necessary information about part number 6715 is shown on that page.

Do we have a black zinc, drop-in T-nut with flexible handle and a 5/16-18 thread? Utilize the ***Alphabetical Index***. What part number is it?

What does FBHSCS mean? There is a ***Glossary*** in the 80/20 catalog. Find the Glossary in the Table of Contents at the front of the catalog. Check out the other useful definitions in the glossary to aid you in the use of the 80/20 catalog.

Follow us on facebook:
www.facebook.com/8020solutions

Find us on: facebook®

- **VIEW & SHARE 80/20 SOLUTIONS**
- **SPECIAL OFFERS & CONTESTS**
- **NEWS & EVENTS**

We specialize in FAST™ same day shipments!

How to Order 80/20® Products

Sales and service for *"The **Industrial** Erector Set®"* is handled through an international network of distributors. Please place orders with your local 80/20 distributor. To find the distributor nearest you, browse to www.8020.net/postallookup.asp, or call us at 260-248-8030.

Your order will be processed faster and more efficiently if submitted in an orderly sequence:

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To

Customer: _____
Address: _____
City / State: _____
Attention: _____
Tag: _____

	Part Number	Quantity	Length	Description / Machining
1) Profiles	20-2020	2	470.0 mm	20-7042 in A both ends
	30-3030	5	4 m	Full length bars
	45-4545	4	915.5 mm	45-7058 both ends
	45-4545-Lite	4	700.0 mm	45-7053 both ends
2) Custom Machined Parts	CM01-121205	2		Custom bracket per drawing
3) Panels	65-2609	1	.68 sq. meter	6 mm clear polycarbonate
4) Machining Services	20-7005	2		Cut-to-length 20-2020
	30-7010	5		Cut-to-length 30-3030
	45-7010	8		Cut-to-length 45-4545, 45-4545-Lite
	20-7042	4		20 Series anchor fastener counterbore
	45-7058	8		Machining for central connector
	45-7053	8		Tap extrusion end, M12 x 1.75
	65-7150	1		Cut plastic panels all sides < 1220 mm
5) Hardware & Accessories	13183	4		20 Series anchor fastener
	13187	4		Central connector, nut vertical to bushing
	12013	2		Cover/reduction profile, black, 2 m
	12005	2		Cover/reduction profile, natural, 2 m
	12283	4		Black end cap for 45-4545
	13006	10		S12 x 30 mm self tapping screw

Special Instructions: _____

80/20® Inc.
*The **Industrial** Erector Set®*
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Meet Our Customer Service Department!

Customer service is our ***ONLY*** job description at 80/20 Inc. Our goal is to make doing business with 80/20 as pleasant and easy as possible.

80/20® Keeps Growing—Bigger, Better, Faster!

If you are traveling through Northeast Indiana on US 30 or I-69, stop in for a visit. We will show you how an entire manufacturing facility can be built with T-slotted profiles. Get ideas for machines, furniture, guarding, material handling, workstations, displays and more. You may not even know you have a need until you see the **80/20®** solution! ***We are constantly increasing our capacity to better serve you!***

Expect fast, dependable service from our friendly, highly qualified staff. From your simplest questions to your tightest delivery requirements, we are here to serve you!

80/20® Inc.

*The **Industrial** Erector Set®*

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80/20® Services

As the leader in T-slotted framing systems, 80/20® offers more than just parts and pieces to build your application. With 80/20® you get services such as design assistance, custom machining, kit packaging, special order handling and our own Value Add department, which will build your application for you, all available to help you save time and money.

Design Assistance

Our highly qualified staff offers design assistance, answers to technical questions and provides Auto Quoter™ and Deflection Calculator™ support for your projects. Simply contact your distributor, email customerservice@8020.net or FAX your project drawings to us at 260-248-8029.

SOT (Special Order Team)

The Special Order Team (SOT) handles the customer who has very specific and detailed packaging or labeling requirements. Orders are maintained within this one department, from fax machine to dock door, to optimize order flow.

Custom Machining

Whether it is one or 100 pieces, 80/20 can handle that one-of-a-kind part you need, quickly. With numerous aluminum shapes and finishes to choose from and over 100 stock T-slotted aluminum profiles in fractional and metric sizes, you can expect exceptional machining and fast turnaround. In addition, any of the parts in the 80/20 catalog can be machined to your specifications. Let a seasoned one-stop shop with precision-machined parts, no minimum order requirement, and years of expertise work on your next project.

Value Add

Let us build it for you...

We're the experts — let us build it for you, whatever your application may be: workstations, workbenches, machine frames, safety guards, partitions, enclosures, display fixtures, material handling equipment, conveyors, carts, storage and inventory racks, linear motion systems, cabinets, furniture, factory automation and more. You get:

- Quality-built frames to your exact specifications
- Full assemblies and sub-assemblies
- Complete packaging, crating and shipping services
- Just-in-time structural frame assemblies, enclosures and guarding

Panel Shop

The 80/20 Panel Fabrication Department truly allows 80/20 to be your one-stop shop. We have over 80 varieties of panels in stock including acrylic, ABS, Polycarbonate, powder coated and Thermoplastic-coated wire mesh, aluminum plate, Alucobest® and more. 80/20 can provide you with quality machined panels to your specifications *FAST!* Whether you need one stock 4' x 8' panel or 1000 panels cut to size for your next project, let our Panel Fabrication Department be your source.

FREE Kit Packaging

Kit packaging saves you time!

Get *"The **Industrial** Erector Set®"* pre-packaged in kit form at no extra charge. Kit packaging saves you money, time, labor, freight, storage cost and more. Profiles are cut to length, machined, deburred, washed, and carefully wrapped for shipment. Your kit comes complete with fasteners, handles, panels or any of our more than 6000 available parts, and will be ready to assemble when you receive it. Just open the box and bolt your frame together!

Part Number	Description	Price
7412	YOUR ORDER IS DIVIDED INTO KIT FORM AT NO EXTRA CHARGE	FREE
7413	YOUR ORDER IS TAGGED PER YOUR BOM AT NO EXTRA CHARGE	FREE

80/20® Inc.
*The **Industrial** Erector Set®*
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The 80/20® Online Training Center at www.8020.net

The **T-Slotted Framing** section of 80/20.net includes Flash videos that explain the concept of T-slot profiles and the advantages of the 2° Drop-Lock feature.

Select **Profile Family Standards** to learn how 80/20® part numbers relate to profile dimensions.

For descriptions and drawings of each profile, go to **Fractional T-Slot Profiles** or **Metric T-Slot Profiles**. Click on any drawing for in-depth information on that profile.

www.8020.net/trgcenter.asp

The 80/20® Online Training Center

Visit the **80/20® Training Center** found on our website, www.8020.net. Here you will see firsthand the assembly and function of several of 80/20®'s standard components. Each page includes informative videos as well as some helpful facts about the featured product:

- Assembly and concept animations
- Streaming videos
- Tips and tricks

Navigate to the proper category and view the videos that suit your needs.

Here you can view:

- Assembly and usage animations
- Features and benefits
- Links to the catalog section for download options
- Tools required
- Special consideration instructions, such as machining required

Check the bottom of each page for a visual list of required tools and links to corresponding 80/20 catalog sections.

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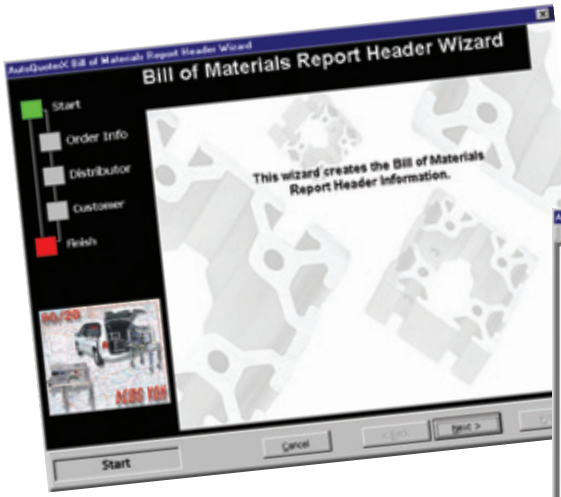
Cutting-Edge Technology

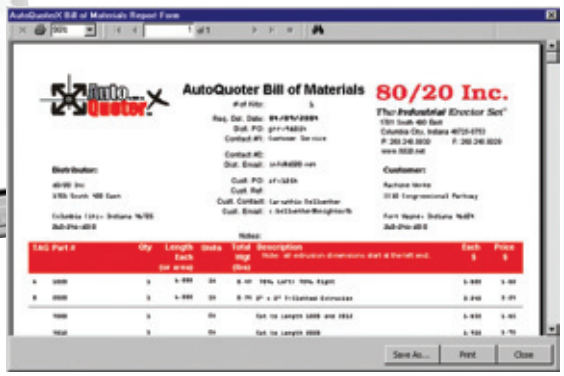
Using design software when building with our T-slotted aluminum profiles can make designing easier and more precise. We have devised several ways in which to help our customers when designing with our product. All of the products listed below are FREE to you and can be downloaded from the 8020.net website; they are also included on the 80/20® DVD.

FREE 80/20® AutoQuoterX™ Design Software

Ease of use is one of the many factors that make 80/20®'s framing systems unique. In order to assist you in project design and conception, the 80/20® AutoQuoterX™ can be used in conjunction with your AutoCAD® software system for optimum design capabilities. AutoQuoterX™ is the ultimate plug-in for AutoCAD® — you can design fixtures using fractional or metric profiles while utilizing our extensive CAD library of accessories. See Section 13.



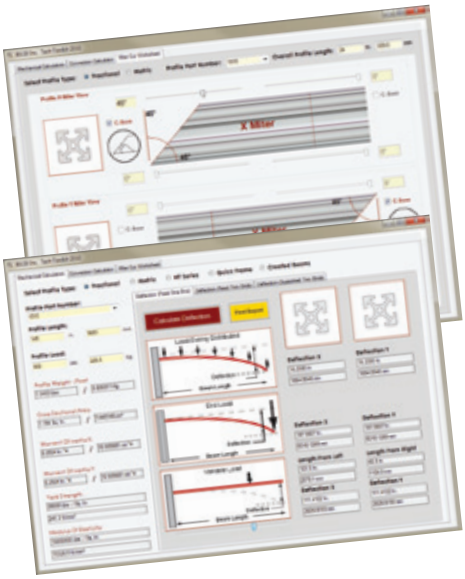
AutoQuoter by 80/20 Inc. X™ Design Software



Visit 8020.net for drawing files

At www.8020.net you can learn everything you want to know about 80/20®, from the products to the **80/20® Attitude**, and download all the information and design tools you need! Click on http://www.8020.net/Design-Tools-31.asp for design assistance and http://www.8020.net/Training-1.asp for training tutorials. Questions? Email us at **info@8020.net**.

Cutting-Edge Technology continued



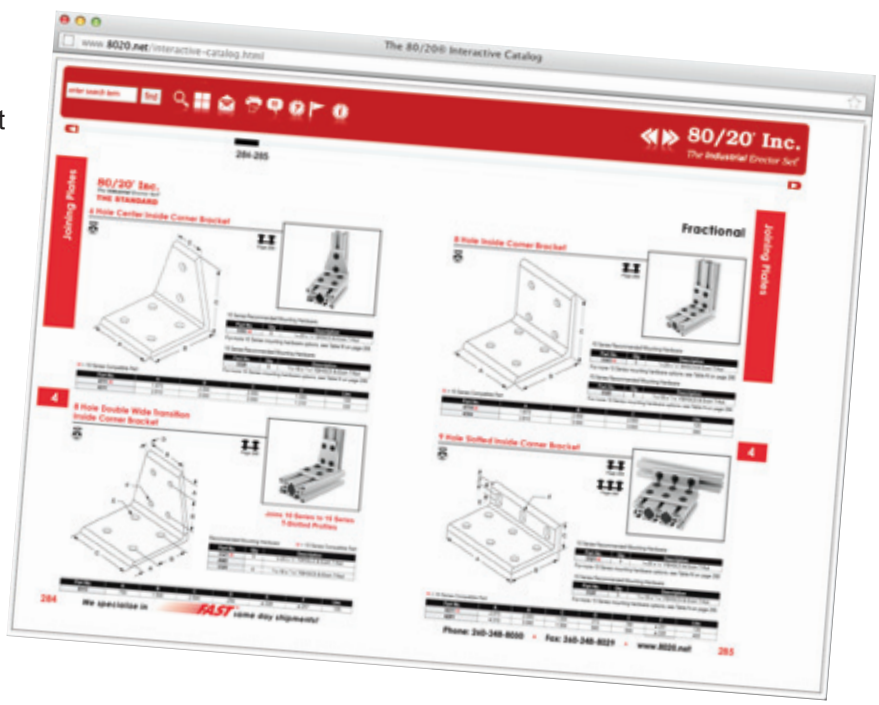
80/20® Inc. Tech Toolkit™

FREE 80/20® Tech Toolkit™

With the Tech Toolkit, you can quickly find the load strength of any 80/20® T-slotted profile or use the built-in conversion calculator to cross-reference measurements. The 80/20® Tech Toolkit allows you to do beam deflection calculations and column loading calculations. Also included is an easy-to-use miter cut interface. Use these tools to help specify profiles and fastening methods that work best for your application.

Online Catalog

80/20's interactive catalog is a convenient tool for mobile devices and online viewing. Access the catalog anytime, any place! Easily page through to find profiles, fasteners, joining plates, panels, accessories, casters and more! Just visit **www.8020.net** to get started!



80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

Shipping Information

80/20's Shipping Department is the best in the business!

Many of 80/20 orders ship the same day and even more ship in 24 hours. Our standard shipping time is the ***BEST*** in the T-slotted profile business.

Consider the following when deciding whether to buy pre-cut or full length profiles:

- **Freight costs and delivery schedules**

  Packages longer than 100" must ship via commercial carrier. Any package 100" or shorter can ship via UPS, which is usually substantially less expensive and has faster delivery schedules than commercial trucking.

- **Quality cuts and accurate lengths**

  When you purchase pre-cut profiles, you can expect to receive quality cuts and accurate lengths, deburred, washed and packed for shipping. 95% of these orders ship complete the same day.

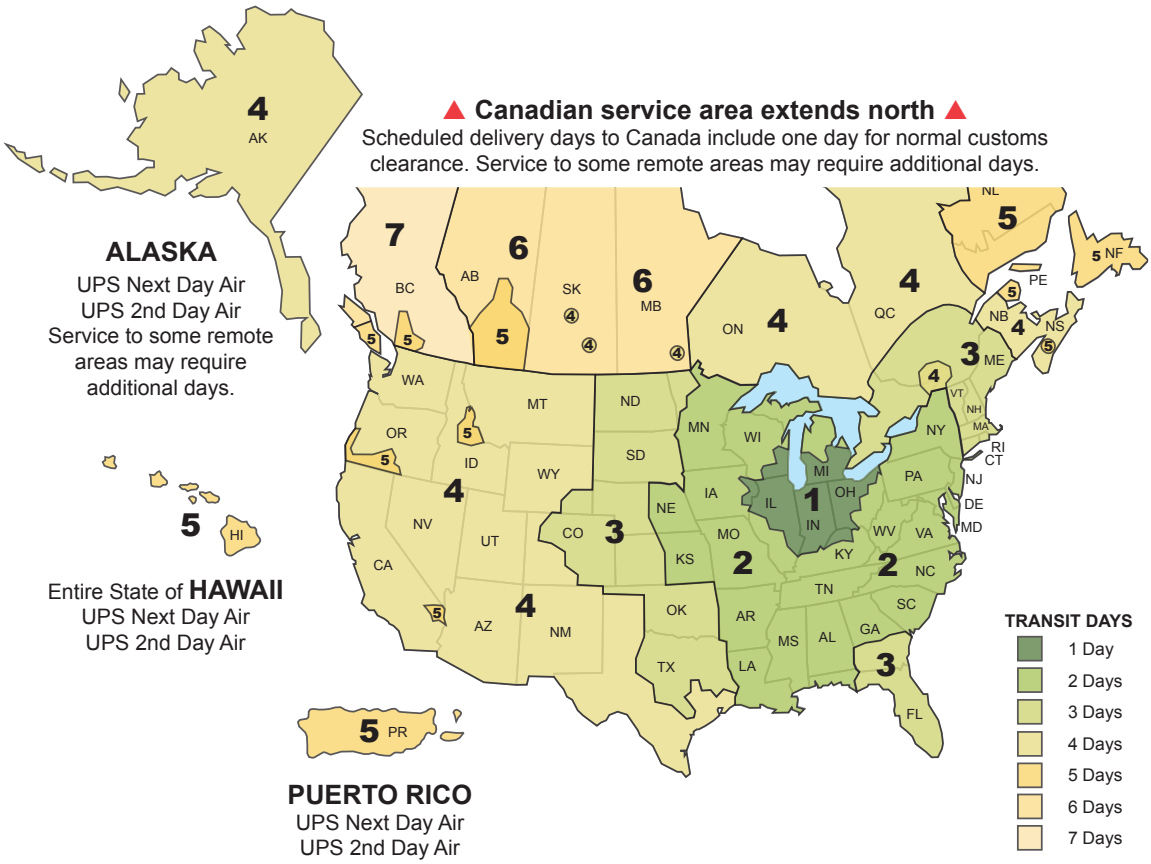
- **80/20® is centrally located for convenient UPS delivery from coast to coast**

Shipping Rate Information:

Most carrier rates are calculated based on weight. However, since most trailers reach their volume capacity before their weight limit, the important factor is the volume of the shipment. Standard rate classifications for 80/20® packaged profiles and panels start at rate class 60. This classification may vary due to the finished package size.

ALUMINUM PROFILE:
Freight Rate Classification: ≥ 60
Bill of Lading Description:
aluminum profiles and parts

PLASTIC PANELS:
Freight Rate Classification: ≥ 85
Bill of Lading Description:
laminates in sheets



Shipping Information continued

Returns

Bought too much? Ordered the wrong stuff? To return merchandise:

1. Contact your 80/20 distributor or 80/20 Inc. for an RGA (Returned Goods Authorization) packaging form.
2. Write the RGA number on the packing list **AND** shipping label of your return carton. Full credit is given for undamaged, unused stock parts.
3. Carefully wrap and pack all parts you're returning to prevent damage (and possible credit refusal) during shipping.

Damaged or Lost Shipments

UPS and Prepaid Truck Shipments:

Check your order immediately upon receipt. All damages must be noted on the packing slip and bill of lading. All shipping discrepancies must be reported to 80/20 Inc. within 14 days of receipt of your order. Keep all damaged goods for inspection.

Truck or Expedited Freight (when you select the carrier):

Check your order immediately upon receipt. All damages must be noted on the packing slip and bill of lading. All shipping damages, discrepancies and shortages must be reported to the carrier you selected within 7 days of receipt of your order. Keep all damaged containers and goods for your carrier to inspect. File your claim with your carrier for the damages at that time.

Shipping Schedule

At 80/20 Inc., we understand your need for commitment, communication and timely delivery of your orders. Superior customer service and fast shipping are the foundation of our business, so we will always strive to ship your orders within 24 hours of when we receive it. We recognize the need for specified shipping time, so 80/20 is implementing a new **Shipping Schedule** outlining when you can expect an order to ship based on the type of order.

Assuming that the order received is ready for processing (including panel drawings, miter cut worksheets, etc.)

Order Type	Within 1 Day	Within 2 Days	Within 5 Days	Call to Schedule
Parts only *(We will strive for same day if your order is received early in the day - please remember we are on EST)*	A			
Cut to length T-slotted profiles (with or without parts) **Stock length/size on bars &panels (with or without parts)** **Cut to length mill-finish structural shapes**		B		
Parts, panels, and T-slotted profiles with standard machining in addition to cuts (our standard kit orders)			C	
Value Add orders **Custom Machining orders** **Orders requiring our Special Order Team (SOT)** **Custom anodized or outsourced parts**				D

Allow 80/20 to offer you "Peace of Mind" that your order will ship when scheduled, but only if one of our **Preferred Carriers** is used. 80/20's **Shipping Schedule** will not apply if a different carrier is requested.

Preferred Carriers

LTL Carriers

Conway (CCX)_____ Daily Scheduled Pick-ups
UPS Freight_____ Daily Scheduled Pick-ups
FedEx Freight _____ Daily Scheduled Pick-ups

Small Package Carriers

FedEx _____ Daily Scheduled Pick-ups
UPS _____ Daily Scheduled Pick-ups

If you need a **Guaranteed Ship Date**, contact us about our SUDDEN SERVICE program.

80/20® Inc.
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Basic Assembly

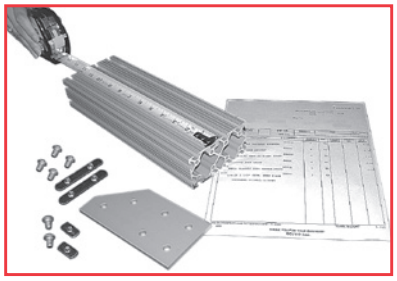
Scan QR code with your smartphone app or visit www.8020.net/assembly.asp for more information

80/20® Modular Framing Systems Standard Fastening Methods

T-Slotted Assembly Methods
Anchor Fasteners • End Fasteners
Joining Plates • Corner Connectors
Holey Tube Series Assembly Methods
Holey Tube Roll Pin Inserts
Holey Tube Hex Bolt Inserts
Quick Frame Assembly
Standard Connectors

Before You Start!

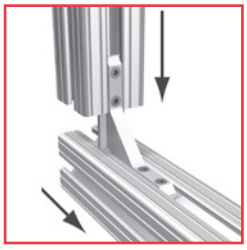
We take great care to ensure that the products you order are the products you receive. Please follow these tips to help make your assembly go smoothly.



- ❑ Check your order against your packing list
- ❑ Measure profiles & confirm all accessories
- ❑ Have assembly tools at hand and ready
- ❑ Begin by pre-assembling all fasteners

T-Slot - 90º Inside Corner Connector

(NO Machining Required)

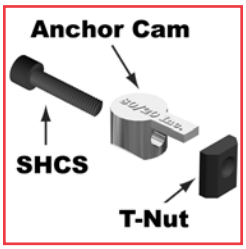


Step #1: Slide the connector into the T-slot of one profile. (Do NOT fully tighten)

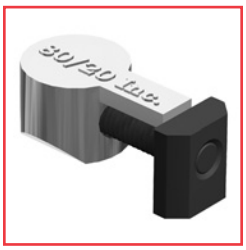
Step #2: Slide the mating profile onto the connector, square and align both profiles. Using a T-handle hex wrench, tighten all of the bolts until the connection is secure.

T-Slot - Anchor Fastener

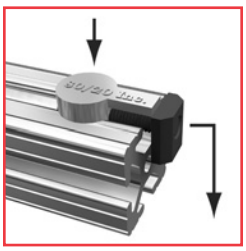
(Counterbore Machining Required)



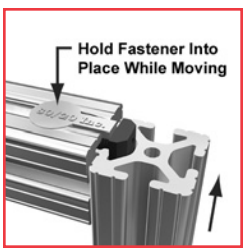
Step #1: Anchor fasteners are composed of a socket head cap screw (SHCS), anchor cam, and T-nut.



Step #2: Anchor fasteners ship pre-assembled. Slightly loosen the nut and bolt.



Step #3: Load the assembled anchor fastener into the counterbore hole. Be sure to position the T-nut with the offset hole oriented toward the top of the fastener. (See photo, Step #2)



Step #4: While holding the anchor fastener in the counterbore hole, slide the mating profile into place.

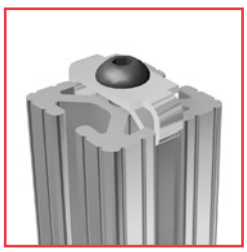
Step #5: Square and align the mating profile. Using a T-handle hex wrench, tighten the SHCS in a clockwise motion until the profiles are securely affixed.

T-Slot - End Fastener

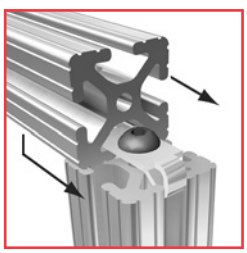
(Access Hole & End Tap Required)

Step #1: End fasteners are composed of a button head socket cap screw (BHSCS) and a wing clip.

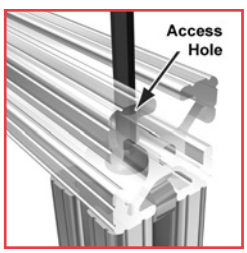
Step #2: Pre-assemble by placing the BHSCS through the hole in the wing clip as shown in the photo at left.



Step #3: Orient the wing clip in the direction of the mating profile's T-slot. Begin to screw the BHSCS into the tapped hole of the mounting profile. (Do **NOT** fully tighten)



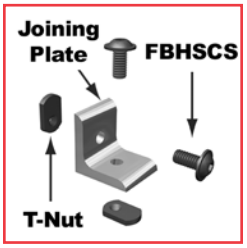
Step #4: Slide the mating profile into place. When aligned, the access hole on the mating profile should align with the BHSCS.



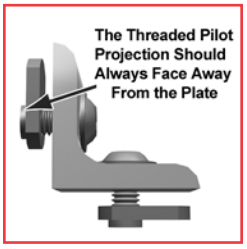
Step #5: Place a T-handle hex wrench into the access hole until the wrench head inserts into the BHSCS. Tighten clockwise until secure.

T-Slot - Joining Plates

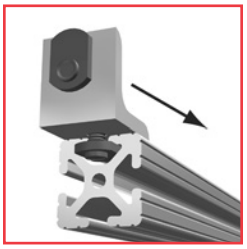
(NO Machining Required)



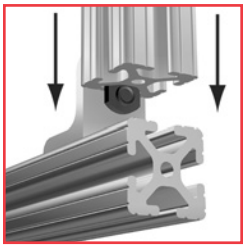
Step #1: Joining plates require three main components: The joining plate, flanged button head socket cap screws (FBHSCS), and T-nuts.



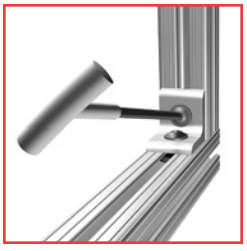
Step #2: Pre-assemble by placing the FBHSCS through the plate holes and screw into the T-nuts.



Step #3: Slide the joining plate into the T-slots of one profile. (Do **NOT** fully tighten)



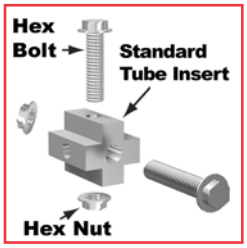
Step #4: Slide the mating profile onto the joining plate; square and align both profiles.



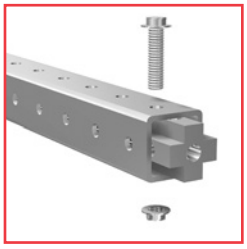
Step #5: Using a T-handle hex wrench, tighten all FBHSCS until the connection is secure.

Holey Tube - Standard Insert

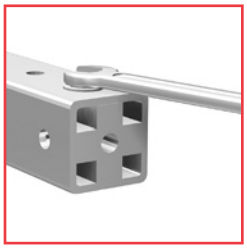
*(Using the **Hex Bolt Fastener** Assembly)*



Step #1: Holey Tube Series Standard Tube assemblies are composed of the Standard Tube Insert, two hex bolts and hex nuts.



Step #2: Slide the Standard Tube Insert into the profile with the mounting hole in the proper orientation. Slip the hex bolt through the profile and insert.



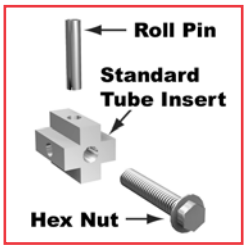
Step #3: Tighten the hex bolt until the Standard Tube Insert is securely in place.

Step #4: Align the mating profile flush in front of the tube insert. Thread the second hex bolt through the mating profile and screw it into the end of the tube insert, finger tight.

Step #5: Square and align the mating profile. Using a 1/2” wrench, tighten the hex bolt until the connection is secure.

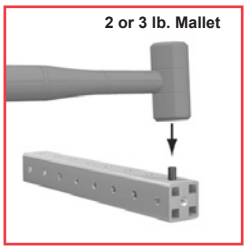
Holey Tube - Standard Insert

*(Using the **Roll Pin Fastener** Assembly)*



Step #1: Holey Tube Series Standard Tube Insert assemblies are composed of the Standard Tube Insert, one hex bolt, and one roll pin.

Step #2: Slide the Standard Tube Insert into the profile with the mounting hole in the proper orientation. Place the roll pin through the profile hole and into the Standard Tube Insert hole.



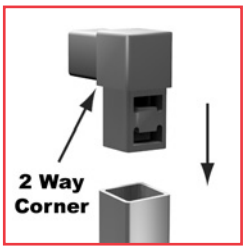
Step #3: Using a 2 or 3 pound mallet, hammer the roll pin into the tube insert until it is flush with the profile face.

Step #4: Align the mating profile flush in front of the tube insert. Thread the hex bolt through the mating profile and screw it into the end of the tube insert, finger tight.

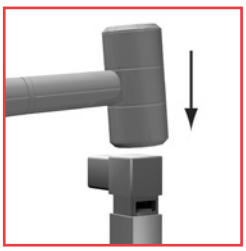
Step #5: Square and align the mating extrusion. Using a 1/2" wrench, tighten the hex bolt until the connection is secure.

Quick Frame

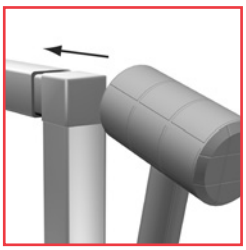
(Standard Connector)



Step #1: Align the connector with the open face of the Quick Frame profile.



Step #2: Using a soft face mallet, tap the connector completely into the Quick Frame profile. **Note:** The grooves inside the Quick Frame profile will hold the connector in place.



Step #3: Align the connector with the open face of the other Quick Frame profile. Use the mallet to tap the connector completely into the Quick Frame profile.

To view 80/20® product assembly animations, visit the Training Center on our website:

www.8020.net

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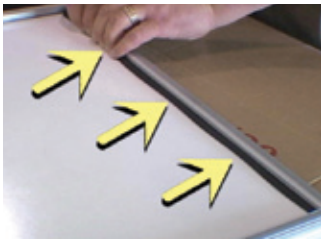
Assembly Tips & Tricks

Panel Gaskets

- Automotive vinyl protectant applied to rubber panel gasket makes installation easier.
- Cut rubber panel gasket 2-3 inches longer than the opening to make the corners stay tight.



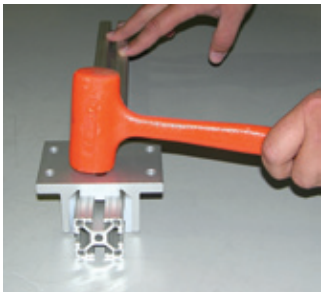
- When installing rubber gasket, start by tucking each end in, then work from the middle out.

End Fasteners (no picture shown)

- When working with end fasteners, pre-assemble the bolt to snug, then back off 1/4 turn to easily slide the fastener into the T-slot.

Linear Bearings

- If your bearings are not sliding properly, try tapping them with a soft face mallet to align the pads with the T-slot.

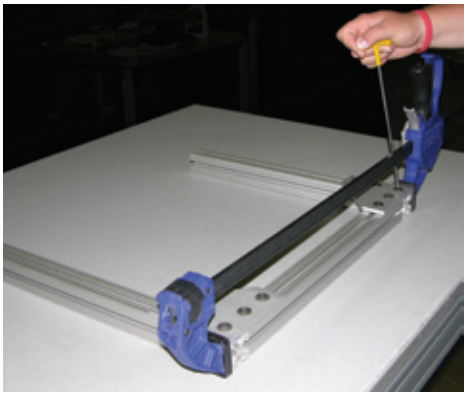


Panels

- Leave the protective film on panels to protect them during installation; just roll up the edges until your project is fully assembled.

Joining Plates

- When using either joining plates or gussets, leave the bolts loose and clamp the bars to ensure a square fit before you tighten the bolts completely.



www.8020.net/trgcenter.asp

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The 80/20 Demo Van comes directly to your door with a pull-out demo gurney, ready to demonstrate real-life applications utilizing the 80/20 framing systems. The gurney fits right through the front door, giving everyone involved the true 80/20 experience. Demo vans carry 80/20's T-slotted, Holey Tube and Quick Frame aluminum profiles, linear bearings, dynamic pivots, panels, doors, fasteners, casters, floor mounts, leveling feet and much more! Visit www.8020.net to request your free on-site demonstration.

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Warranty

Our Philosophy

80/20®'s warranty is simple. If you're not happy with the quality of our products or service, we're not happy either. Our goal is to be your one source for T-slotted aluminum profiles. We want to hear your comments, good or bad.

We guarantee your satisfaction!

Our Attorney's Philosophy

All 80/20® products are guaranteed to be free of actual defects in material and workmanship, provided any such defect be reported to 80/20® in writing within one (1) year of shipment from factory. This warranty is limited to replacing or repairing, at 80/20®'s option, F.O.B. 80/20®'s factory, any part which, upon 80/20® inspection is found to have a defect in material and/or workmanship. 80/20® in no event shall be liable for indirect or consequential damages arising out of the use of 80/20® products. Components purchased by 80/20® from others for inclusion by 80/20® shall be warranted only to the extent set out above and/or to the guarantee or warranty, if any, made by the supplier of said component.

No warranty is made by 80/20®, express or implied, that 80/20® products as used in a customer's design and specifications are fit for that customer's specific purpose. APART FROM THE ABOVE EXPRESS WARRANTY, THERE ARE NO WARRANTIES, EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

80/20® expressly reserves the right to substitute materials in the products described in the catalogs and any supplements thereto; however, this shall not apply to special order products and/or custom products where 80/20® is advised in writing of specific material requirements and agrees in writing to comply with the requests for such specific materials.

Any and all warranties shall be construed and enforced under the Laws of the State of Indiana.

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1. **ORDER PLACEMENT.** All goods and services furnished by 80/20, Inc. ("80/20") are provided pursuant to these Terms and Conditions ("Terms and Conditions") whether provided following an order placed electronically, verbally, or on paper, whether the order is placed directly through 80/20 or through an 80/20 representative, and whether the order is placed following Buyer's review of 80/20's catalog or website, or following receipt of a Quotation only, or following the exchange of other documents (the catalog website Quotation and all other documents, hereafter, jointly, the "Quotation"). Acceptance by 80/20 of Buyer's order is expressly conditioned upon Buyer's acceptance of these Terms and Conditions, including those on the face of the Quotation, and any provisions of Buyer's order in conflict with these Terms and Conditions are expressly rejected. Buyer acknowledges that no representation or warranty other than those contained in this document have been made or relied upon. No additions or modifications shall be valid unless confirmed in writing by 80/20. **80/20 IS NOT BOUND TO FURNISH ITS GOODS OR SERVICES EXCEPT IN ACCORDANCE WITH THESE TERMS AND CONDITIONS.**
2. **PRICE/DELIVERY/DELAY.** Prices for goods shall be those in effect on the date of invoice unless otherwise provided by the Quotation or agreed to in writing by 80/20. Unless otherwise provided on the face of the Quotation or agreed by 80/20 in writing, price and delivery terms shall be F.O.B. shipping point. Unless otherwise agreed in writing, 80/20 will select the route and manner of shipment, reserves the right to make delivery in installments when necessary, to invoice each installment separately, and to expect payment for each installment within 80/20's selling terms. All risks of loss or damage shall pass to Buyer at the place and time such goods are placed into the possession of the carrier or shipper, in accordance with the previously referenced F.O.B. shipping point term. Buyer shall be responsible for obtaining and paying for insurance to cover any loss to Buyer. Buyer shall pay 80/20 for the contract price in the event of loss of the goods. If Buyer fails to accept delivery according to the agreed upon delivery schedule, 80/20 may cancel the then remaining balance of the order. Such cancellation, if elected by 80/20, shall be in addition to, and not in lieu of, any other rights or remedies which 80/20 may have at law or equity. Prices are good for only quantities indicated. If shipment or any other act or condition affecting payment for the goods or any part of them shall be delayed on account of Buyer, payment shall be due as if shipment had been made, a reasonable storage charge may be made, and such storage shall be at the risk of Buyer. 80/20 shall not be liable for any direct, indirect, consequential, special, or incidental losses or damages to Buyer or to any third parties resulting from 80/20's delay in shipment regardless of cause, including but not limited to those causes set forth in the Force Majeure section of this document.
3. **CHANGES IN SPECIFICATIONS OR DESIGN.** If Buyer requests any change in quantity, specification or design relating to any goods or services, or changes of delivery date and/or schedules, such proposed change shall be subject to the terms and conditions of this Quotation and must be approved in writing to be binding upon 80/20.
4. **PRODUCT VARIANCE FROM PHOTOS.** 80/20 attempts to provide accurate photographs of the products it offers for sale, but there may be some variation between the photographs and the actual products. Buyer may return any product if the variance is unacceptable to Buyer. Buyer must submit its request for return based on the product variation within thirty (30) days after receipt of the goods.
5. **ACCEPTANCE.** Goods furnished or services performed by 80/20 will be deemed to have been finally accepted thirty (30) days after receipt by Buyer, unless rightfully rejected within such period by written notice to 80/20, setting forth all of the defects upon which the rejection is claimed. Claims for factory damage or shortages shall not be considered unless made in writing within thirty (30) days after receipt of the goods or services and accompanied by reference to our bill of lading and invoice numbers. Buyer's claims for damage or shortage in transit must be filed by Buyer against carrier. Defective goods shall be held for 80/20's inspection or disposition. Buyer must note damaged goods or the appearance of probable damage with the freight carrier and on the relevant freight documents at the time of receipt.
6. **80/20 PROPERTY.** All photographs, samples, descriptions, drawings or intellectual property provided by 80/20 to Buyer shall remain the property of 80/20 and shall only be used by Buyer to market 80/20 products to third parties. Buyer shall include in any materials incorporating 80/20 intellectual property, all copyright and trademark notices provided by 80/20. All such property shall be returned to 80/20 upon demand and any license created hereunder, implied or otherwise, is terminable at will by 80/20 and is hereby expressly terminated pursuant to Section 18 upon termination of this agreement.
7. **RETURN POLICY.** Buyer shall have no right to return any goods furnished by 80/20. 80/20 may, in its sole discretion, authorize Buyer to return goods. 80/20 may authorize the return of goods without charging a restocking charge, but in most cases, 80/20 will only authorize the return of goods subject to a restocking charge, the amount of which will depend on the type of goods being returned. The restocking charge shall be deducted from the amount refunded to Buyer.
8. **TAXES.** Prices do not include any federal, state or local taxes. Any applicable excise, import, sales, use or similar taxes, whether federal, state, provincial or local, and any transportation and other charges shall be the responsibility of and be paid by Buyer and, if paid by 80/20, Buyer agrees to reimburse 80/20 for any such payment and further agrees that 80/20 may add any such payments to the purchase price of the goods.
9. **PAYMENT/CREDIT/SECURITY.** Payment shall be due prior to shipment unless adequate credit remains on an account in good standing. All orders received are subject to credit approval. Buyer agrees to submit from time to time to 80/20 those items reasonably requested in order to establish or update Buyer's credit. 80/20 shall be entitled to charge interest on past due accounts at a rate of 1.5% per month (18% annually). Whenever 80/20, in good faith deems itself insecure, it may, without prejudice or waiving any other rights or remedies it may have at law or equity, cancel any outstanding orders with Buyer and/or hold production/shipment of any unfilled orders; modify or revoke its extension of credit to Buyer; and take any other steps permitted by law and necessary or desirable to secure 80/20 with respect to Buyer's payment of goods and services furnished or to be furnished. Buyer will pay 80/20's actual costs of collection, including but not limited to court costs, litigation expenses, and reasonable attorney's fees, incurred for collection of any delinquency. Title to the goods shall remain with 80/20 until Buyer receives physical possession of the goods and the goods are fully paid for by the Buyer. Buyer shall have no right of offset against amounts owed to 80/20.
10. **LIMITED WARRANTY/REMEDY.** All 80/20® products are guaranteed to be free of actual defects in material and workmanship, provided any such defect be reported to 80/20® in writing within one (1) year of shipment from factory. This warranty is limited to replacing or repairing, at 80/20®'s option, F.O.B. 80/20®'s factory, any part which, upon 80/20® inspection is found to have a defect in material and/or workmanship. 80/20® in no event shall be liable for indirect or consequential damages arising out of the use of 80/20® products. Components purchased by 80/20® from others for inclusion by 80/20® shall be warranted only to the extent set out above and/or to the guarantee or warranty, if any, made by the supplier of said component. No warranty is made by 80/20®, express or implied, that 80/20® products as used in a customer's design and specifications are fit for that customer's specific purpose.

    Services performed by 80/20 will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the industry currently practicing under similar conditions. As an independent contractor of Buyer, 80/20 will provide evaluation, advice, and guidance to Buyer, but Buyer recognizes that 80/20 is a technical contractor and not a professional consultant.

    APART FROM THE ABOVE EXPRESS WARRANTY, THERE ARE NO WARRANTIES, EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

    80/20® expressly reserves the right to substitute materials in the products described in the catalogs and any supplements thereto; however, this shall not apply to special order products and/or custom products where 80/20® is advised in writing of specific material requirements and agrees in writing to comply with the requests for such specific materials. Any and all warranties shall be construed and enforced under the Laws of the State of Indiana.
11. **INDEMNIFICATION.** Buyer shall defend, indemnify and hold 80/20 harmless from and against any and all claims, liabilities, loss, costs, damage or expense (including reasonable attorneys' fees) of any kind or nature whatsoever relating to the performance by 80/20 hereunder, including without limitation, claims made for property damage or personal injury (including death), whether such claims are premised on contract or on tort (including, without limitation, strict liability). This indemnity provision shall not apply where such damage or injury is attributable solely to the negligence of 80/20, its employees or agents.
12. **FORCE MAJEURE.** 80/20 will not be liable for any delay in the performance of its obligation under this Quotation or for any damages suffered by the Buyer by reason of such delay, when such delay is directly or indirectly caused by or in any manner arises from: fires; floods; accidents; riots; acts of God; governmental interference; embargoes; strikes; labor difficulties; shortages of labor, fuel, power, materials or supplies; transportation delays; any existing or future laws or acts of the Federal or any State government (including specifically, but not exclusively, any orders, rules or regulations issued by any official or agency or any such government) affecting the conduct of 80/20's business; or any other cause or causes (whether or not similar in nature to any of those specified above) beyond 80/20's control, including but not limited to modifications to the fabricating specifications requested by the Buyer subsequent to commencement of production by 80/20.
13. **NO WAIVER.** The failure of 80/20 upon knowledge of any default or violation by Buyer of any of the Terms and Conditions of this Quotation, or any sales agreement entered into hereafter, to enforce its rights or remedies shall not be construed as a waiver of such default or violation, or of any provision hereof, or of any of its rights or remedies.
14. **LIMITATION ON LITIGATION/ATTORNEY FEES.** Any controversy or claim of Buyer arising out of or related to any transaction with 80/20 must be commenced within one (1) year after the cause of action has accrued. 80/20 shall be entitled to reimbursement of all costs and expenses, including reasonable attorneys' fees, from the Buyer relating to any lawsuit in which 80/20 prevails in any amount or on any claim.
15. **ENTIRE AGREEMENT/LAW AND FORUM/SEVERABILITY.** Except as otherwise agreed in writing or if another writing incorporates these terms thereby making these terms supplemental to such writing, this constitutes the entire agreement between 80/20 and Buyer, superseding all prior Quotations and understandings, oral or written. All such previous communications are hereby abrogated and withdrawn, and no stipulations, representations or agreements by 80/20, or its officers, agents, or employees shall be binding upon 80/20 unless reduced to writing and attached to and incorporated by reference herein, and no local, general, or trade custom shall alter or vary the terms hereof. Any questions, disputes, controversies, or litigation between 80/20 and Buyer, including but not limited to disputes concerning the validity, interpretation, or effect of the Quotation, or interpretation and enforcement of the rights and obligations of the parties hereunder, shall be governed by the laws of the State of Indiana and the exclusive venue for resolving any such questions, disputes, controversies, or litigation shall be a state or federal court located in Allen County, Indiana. If any provision of this Quotation is determined invalid under applicable law, such invalidity shall be limited to such provision without invalidating the remainder of the other Terms and Conditions hereof; and if any provision of this Quotation is found to be ambiguous or in conflict with any other provision of this Quotation, such ambiguity or conflict shall be resolved in the manner which provides the greatest protection and limitation of liability to 80/20.
16. **INSURANCE.** 80/20 will maintain Workers' Compensation insurance coverage at such levels as are required under the laws of the State of Indiana. 80/20 will purchase and maintain comprehensive general liability insurance against claims for personal injury or death or damage to property which may arise out of, or result from, 80/20's performance of the services in such amounts as 80/20 maintains in its ordinary course of business.
17. **LIMITS OF LIABILITY.** 80/20 will not be liable for any punitive damages or legal fees or any special, indirect, or consequential damages (including but not limited to loss of use or loss of profit) or fees which arise out of the performance of the services by 80/20. 80/20 and Buyer agree that absolutely no action arising out of the services may be brought by either party more than one year after substantial completion of the services. The entire liability of 80/20, or its officers, directors, agents, or employees, and Buyer's exclusive remedy for performance or nonperformance of the services shall be the adjustment or correction of the services by 80/20. If after repeated efforts, 80/20 is unable to adequately perform, Buyer shall be entitled to recover a pro-rata credit for the sums actually paid for the defective portion of the services.
18. **TERMINATION OR CANCELLATION.** Either party may terminate the services and all obligations arising under the proposal for the reason of the failure by the other party to comply with its obligations upon 30 days prior written notice to the other party. In the event of such termination, Buyer will pay to 80/20 all amounts which are due and payable to 80/20 for the services performed through the date of such termination. In addition, in the event the services are terminated as the result of the failure of Buyer to perform its obligations, Buyer will pay to 80/20 a termination charge of 20 percent of the cost of the remaining services to be performed by 80/20.

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Made with 80/20 Stuff!

What can you build with 80/20? Almost anything! Spark your imagination with these innovative applications!

www.8020.net/8020stuffbook.asp

What Solutions Does 80/20 Offer?

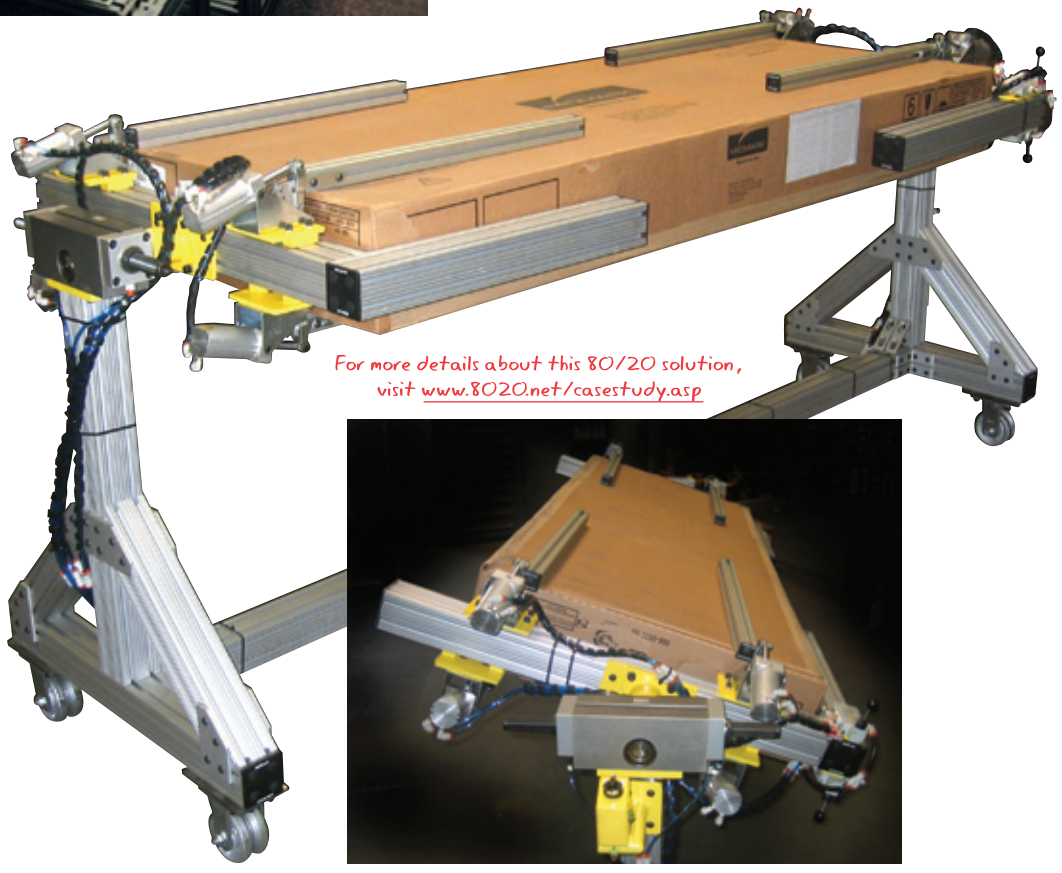
80/20 provides modular framing systems that can adjust to fit any industry and application. From light to heavy-duty, 80/20 modular framing provides a secure and OSHA-approved guard, display, workstation or just about any other application you can imagine. This section of the catalog showcases examples, intended to inspire you when designing your own applications.

MACHINE FRAMES

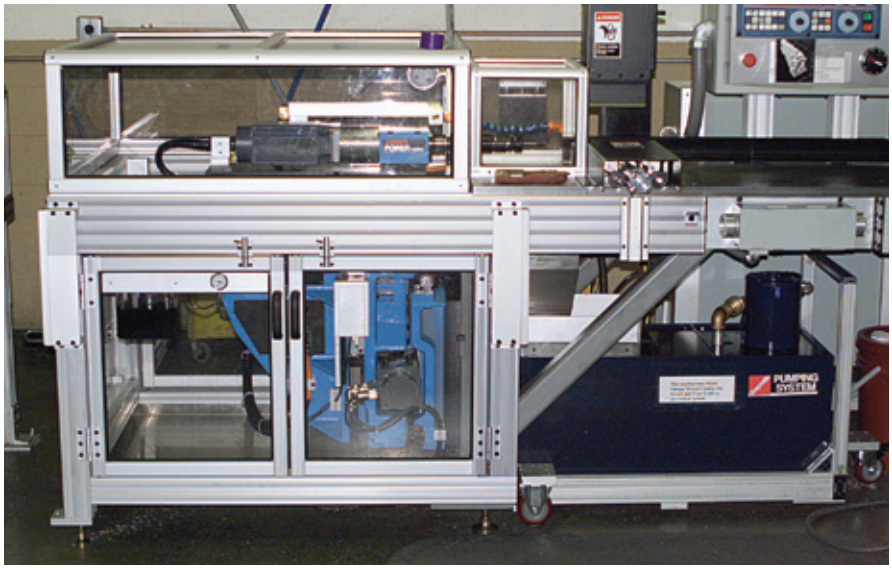
You can mount absolutely anything to T-slotted profiles! Simple hand tools allow for quick and easy assembly of any 80/20 frame. Only T-slotted profiles offer this kind of flexibility.

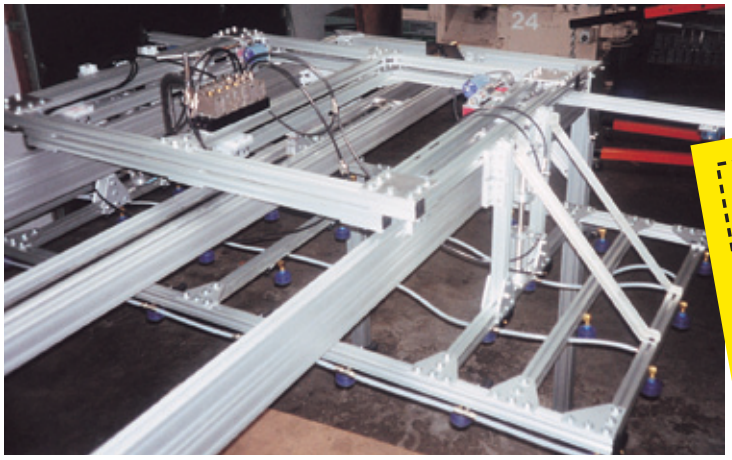
Special machines, linear motion or retrofits are easy—large or small, they all go together one T-nut at a time. Add to or adjust easily at any time. Select profiles, fasteners and accessories from the sections of this catalog.

From light to heavy-duty applications, 80/20 has a profile to fit all your needs!



For more details about this 80/20 solution, visit www.8020.net/casestudy.asp





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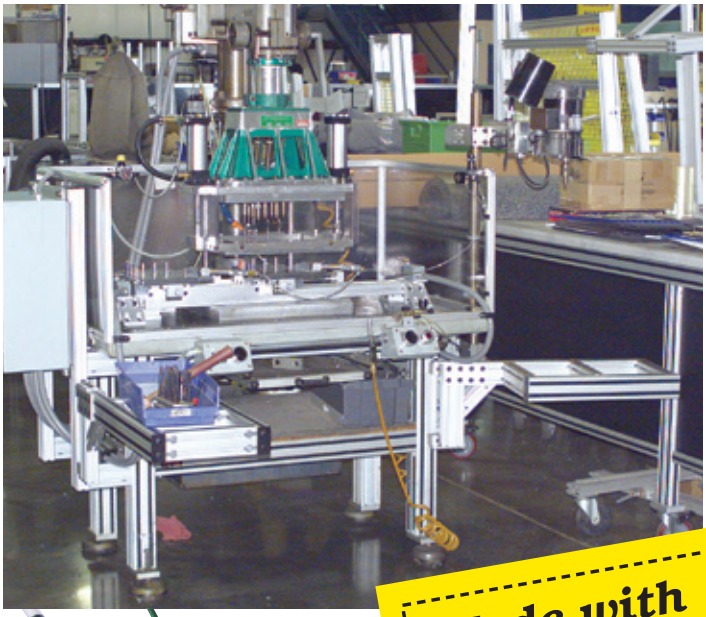
MACHINE FRAMES



Perfect for:

- Lift-Load Units
- Linear Motion Systems
- Tapping Machines
- Hoist Supports
- Conveyors
- Special Machines
- Transfer Systems
- Measuring Systems
- Filling Machines
- Material Handling
- Machine Retrofits

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For more details about this 80/20 solution, visit www.8020.net/casestudy.asp

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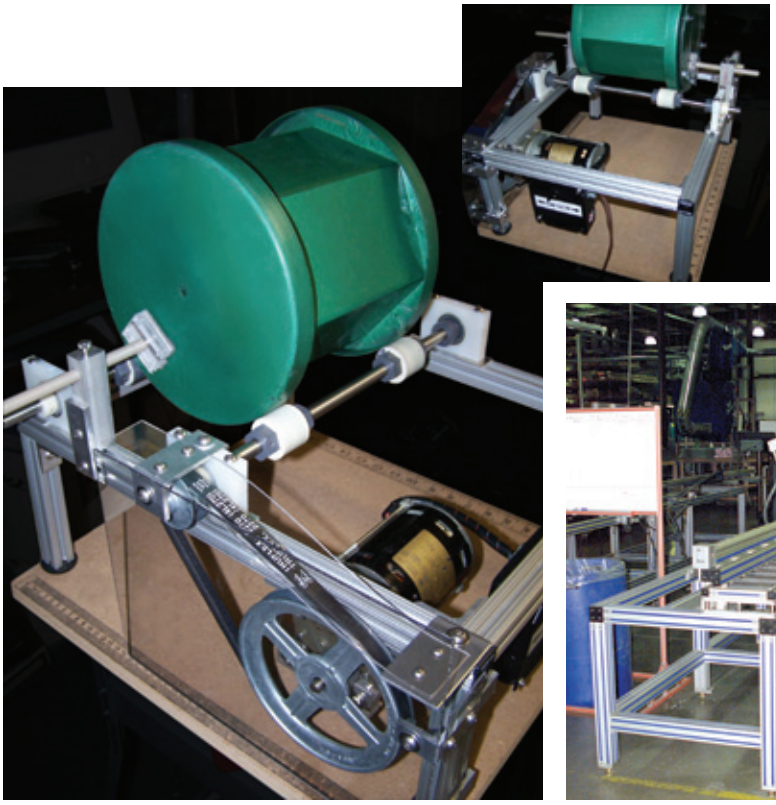

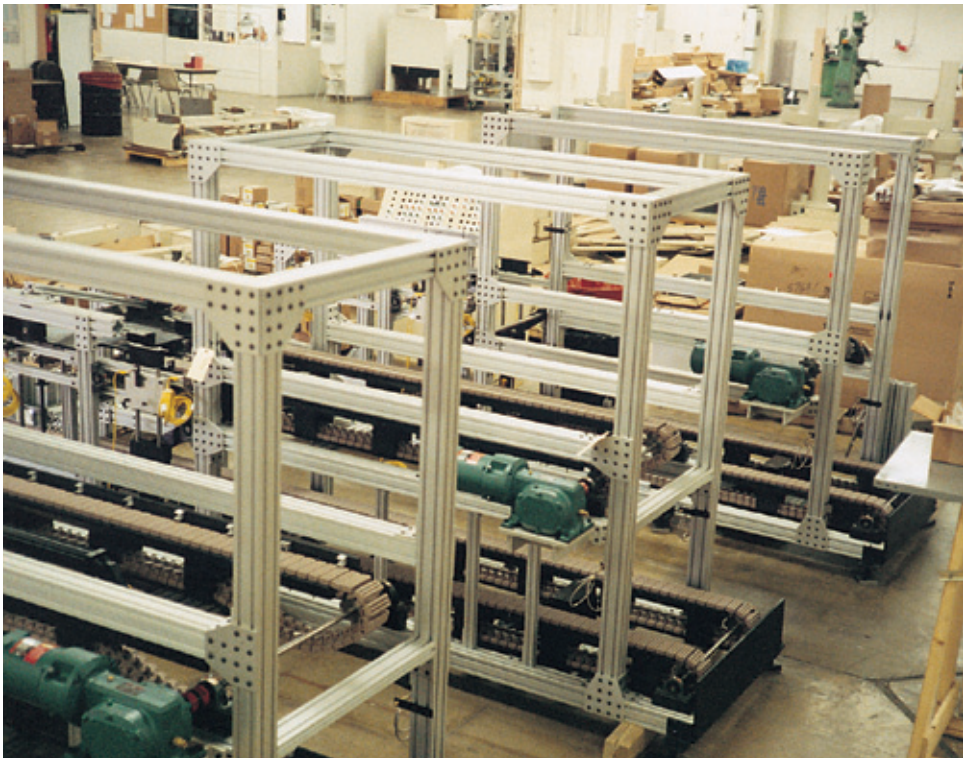

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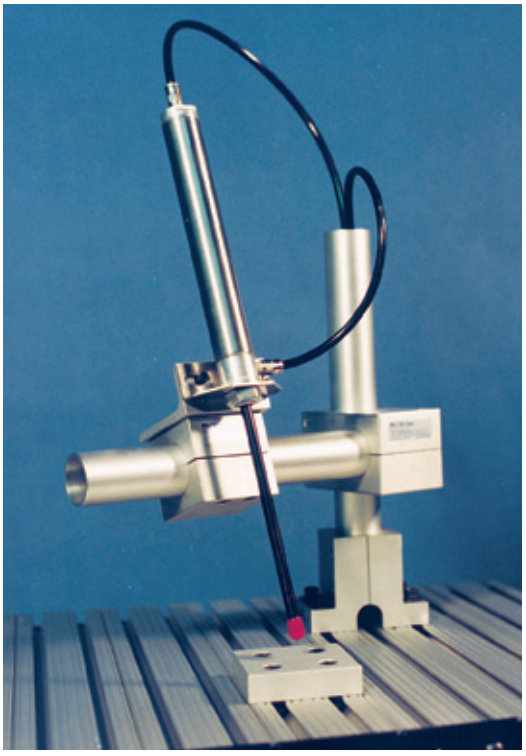
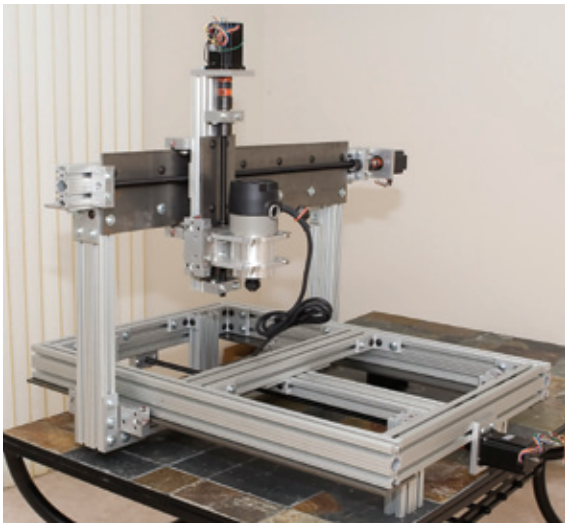
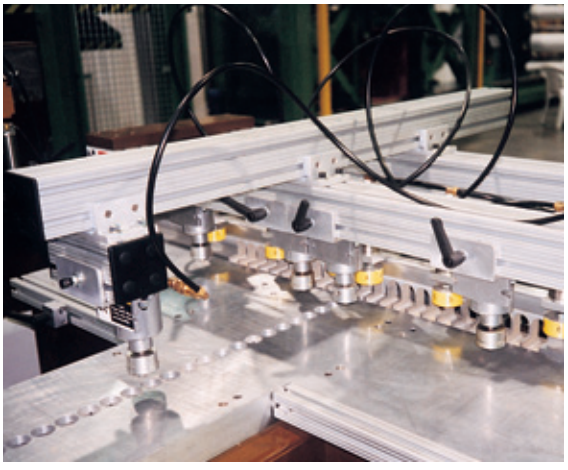
TOOLING SPECIALTIES

80/20's modular assemblies provide ultimate frame flexibility and control. Linear bearings offer fluid motion and an extremely long cycle life. Stanchions provide precision placement of any mounted component. Choose from our extensive line of brackets and tubes.







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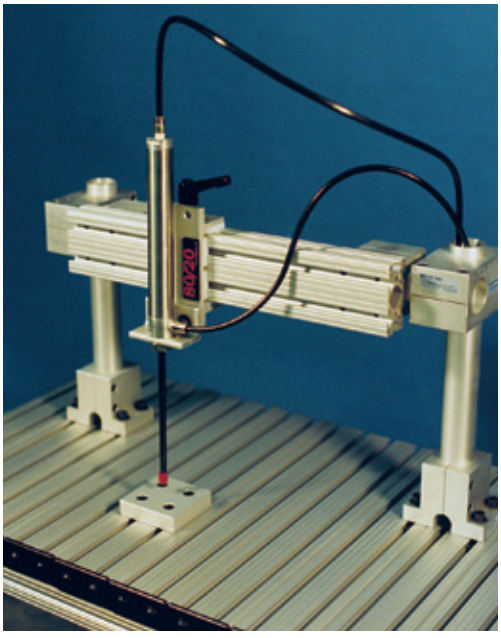

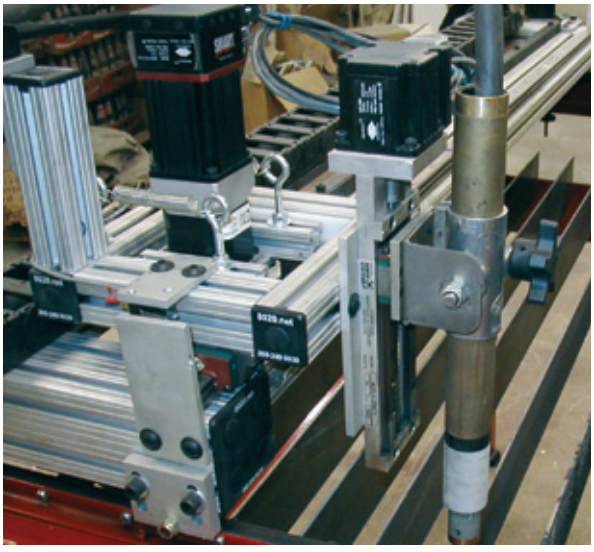

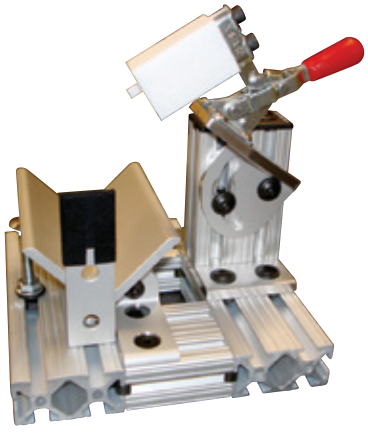

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FURNITURE

Create award-winning modular furniture with 80/20 profiles! Start with one basic piece and add accessories and other features any time you like—it's easy! Choose from several colors of anodizing. Free design assistance is available.

Modular, ergonomic, adjustable and easy to use—that's 80/20!

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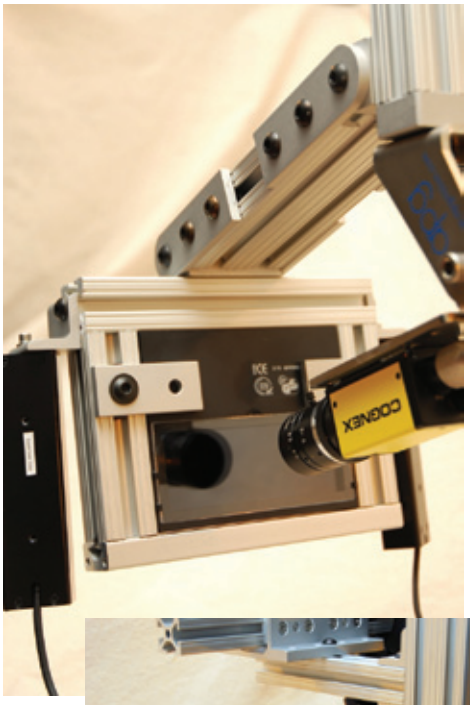
AUTOMATION

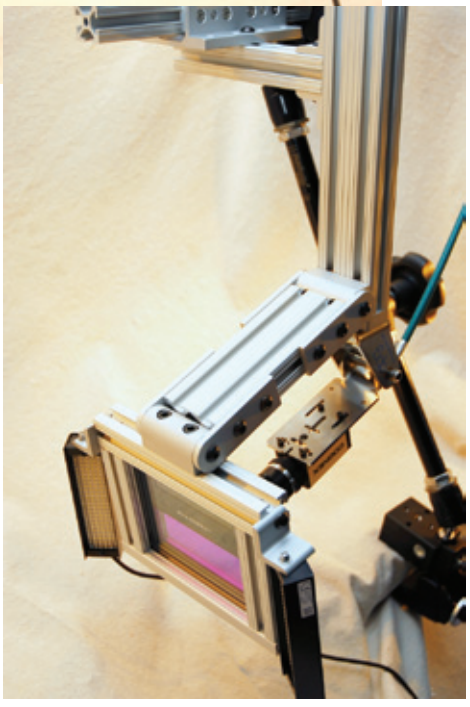
From small prototypes to entire automated facilities—they all go together with a simple ball end Allen wrench. You have the freedom to design a custom frame for your machine, without limitations!

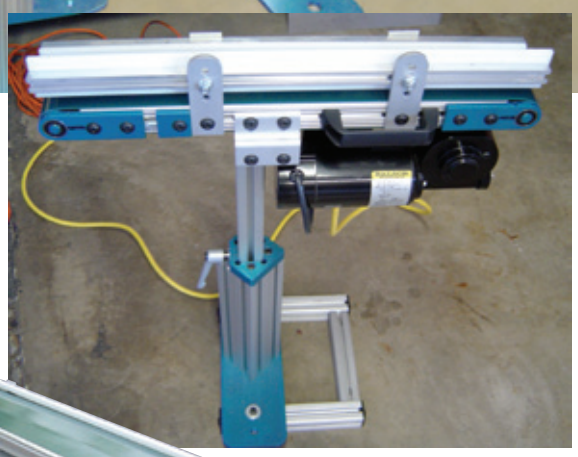
Packaging, guarding, power transmission—any size, anywhere… think fluid power. Think 80/20.

Electronics and 80/20:

- Instrument mounts
- Switches and controls
- Enclosures







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HOLEY TUBE

80/20 also offers an easy to assemble, cost-effective modular aluminum framing system called Holey Tube. Pre-drilled holes every 1.5" makes it perfect for the construction industry, for sturdy rack and shelving units, and more. Visit the green section of this catalog to learn more about Holey Tube.

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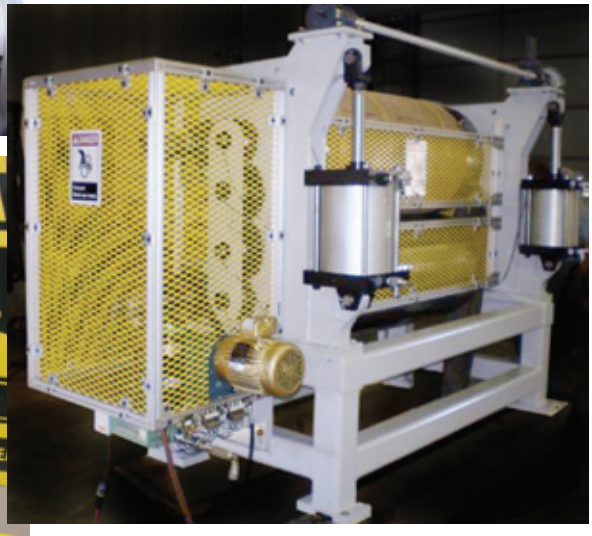
GUARDING & ENCLOSURES

Made with 80/20 Stuff!

It's easy to meet OSHA standards when you have "*The **Industrial** Erector Set*" at your fingertips. Build your own custom cabinet, or have a whole system of pre-assembled guarding delivered ready to go—call us today!

Custom panels, hinges, handles and other accessories are easy to add. On-site assembly is made even faster and easier with 80/20's helpful Align-a-Groove feature!

Go to www.guardingintro.asp to see more 80/20 guarding in action.



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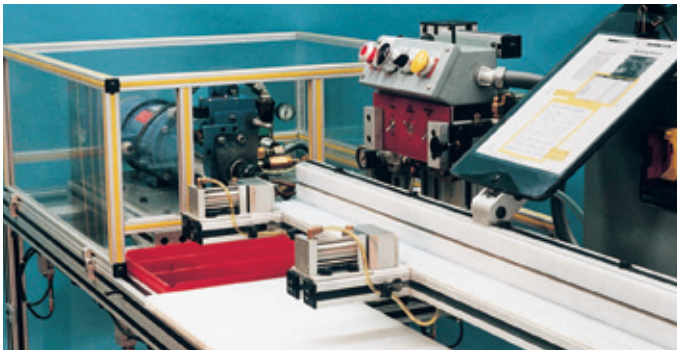

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WORKSTATIONS

Large or small, right or left handed, workstations are easy with 80/20:

- T-slotted profiles are easy to manifold for positive or negative pressure in the workstation frame
- Use 80/20 color accessories to organize parts and materials
- Customize your workstation to fit more than one person or function
- 80/20 versatility lets you expand your frame to fit growing needs

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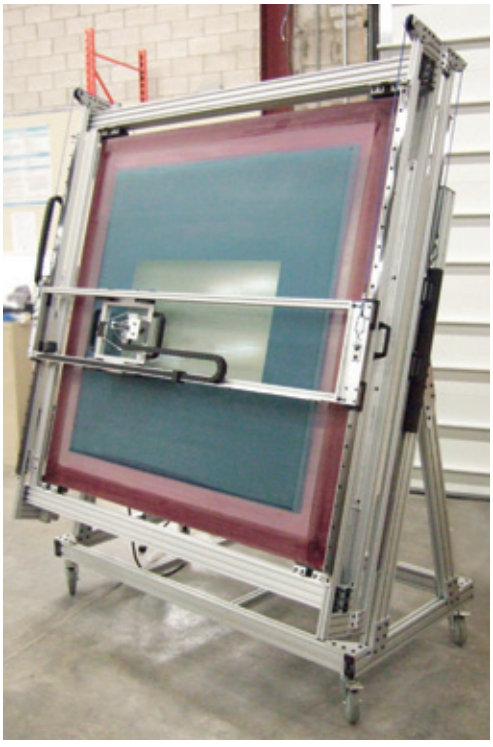
LINEAR MOTION

Use 80/20's patented linear bearings absolutely anywhere—smooth, reliable linear motion streamlines any application. Linear brakes allow infinite adjustability and positioning. Double-keyed bearing pads are available in stock and custom lengths.



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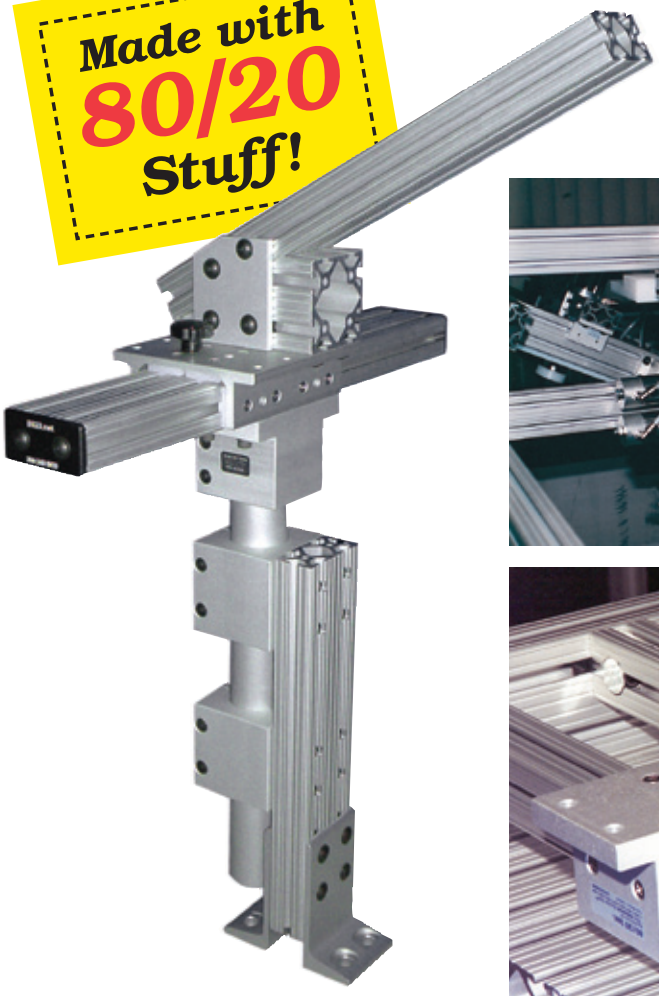

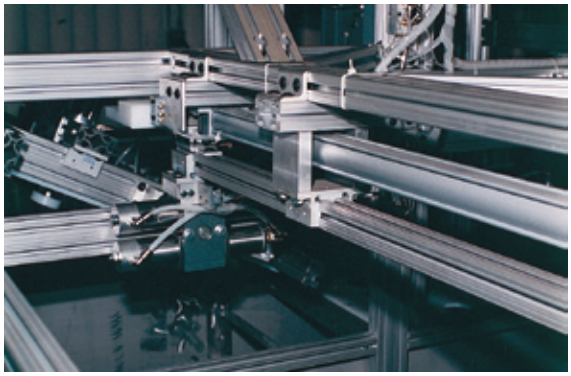

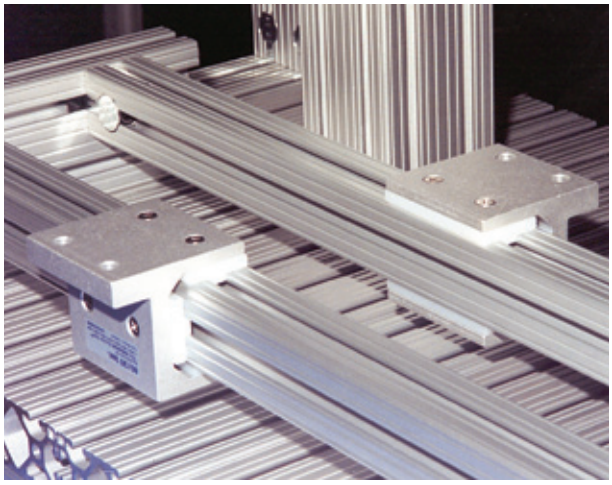

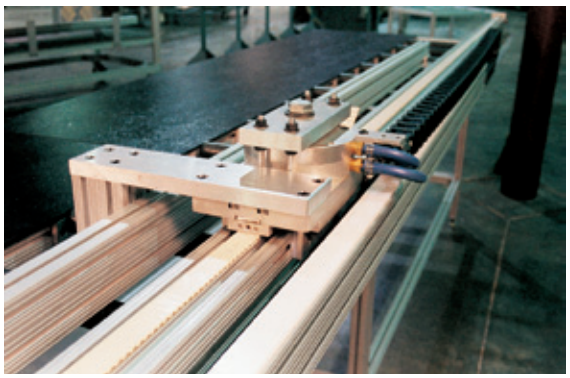

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COLOR STUFF

Add exciting color accents to any project! 80/20 has a wide variety of products available in color—red, blue, yellow and gray can bring life to your 80/20 application. Look for the color icon throughout the catalog.

End Caps

Promotional Items

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Handles

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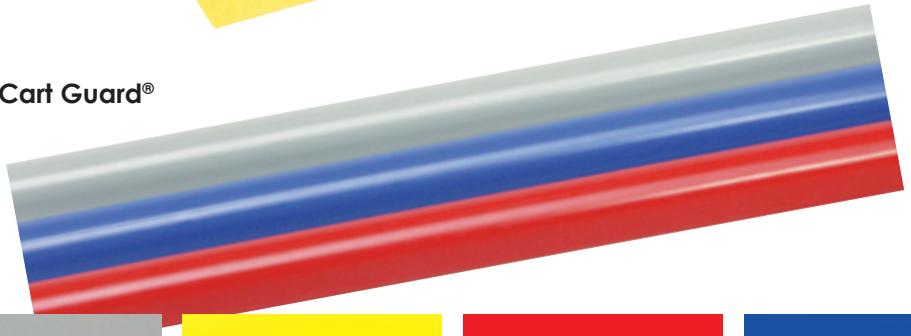
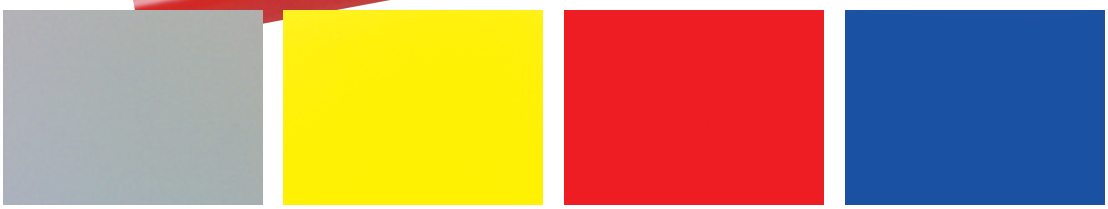
AkroBins®

Cart Guard®





Panels and
Wire Mesh

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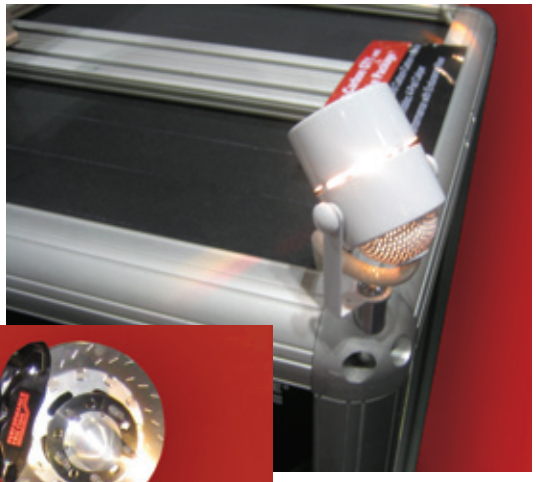
DISPLAYS

80/20 flexibility is everywhere.

Lightweight, modular exhibits ship easily, and go together on-site with a few twists of a wrench.

Temporary or permanent retail space is easy to configure and customize.



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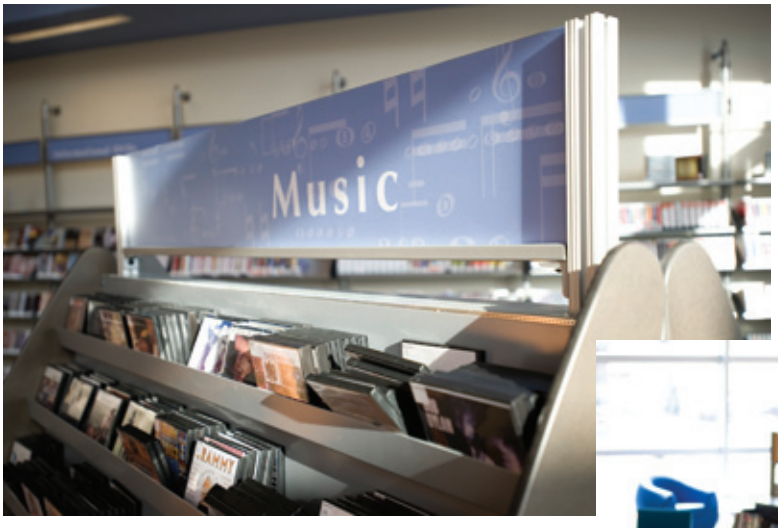
DISPLAYS

80/20 is everywhere!

Eco-friendly and sustainable T-slotted aluminum is the perfect framing system for any environment.

For more details about this 80/20 solution, visit www.8020.net/casestudy.asp



www.8020.net/casestudy.asp

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EXPANDING BUSINESS
IN WHITLEY COUNTY
Visit our website to learn more about:
• Modular solutions for any industry
• Employment opportunities
www.8020.net
(260) 248-8030

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MATERIAL HANDLING

Add to your system as your needs change and your business grows. Flexible, modular shelving, racks, bins, carts, towers, frames—all go together one T-slot at a time.

For flexibility and expandability, design your project with AutoQuoterX™!

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CPN

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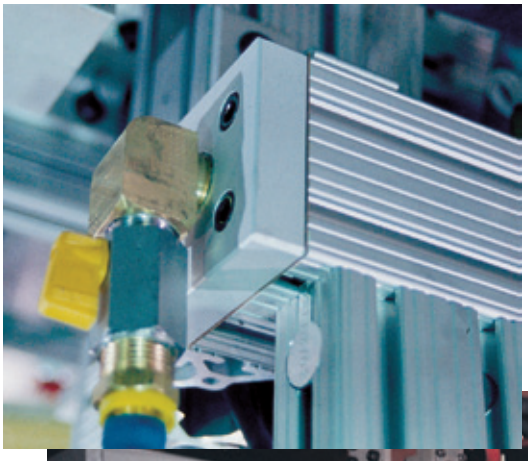
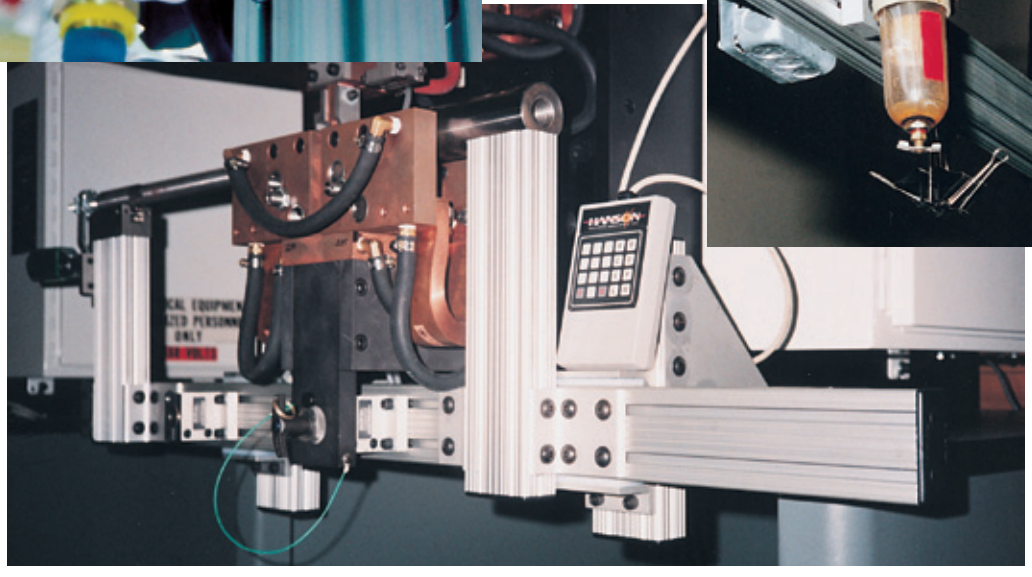
HYDRAULICS & PNEUMATICS

Many of 80/20's T-slotted profiles function as pressure manifolds when used with our accessories, shown in Section 7. Valves, actuators, regulators, fittings, pumps, accessories and more—all easily attach to T-slots. 80/20 versatility lets you expand your frame to fit your growing needs.





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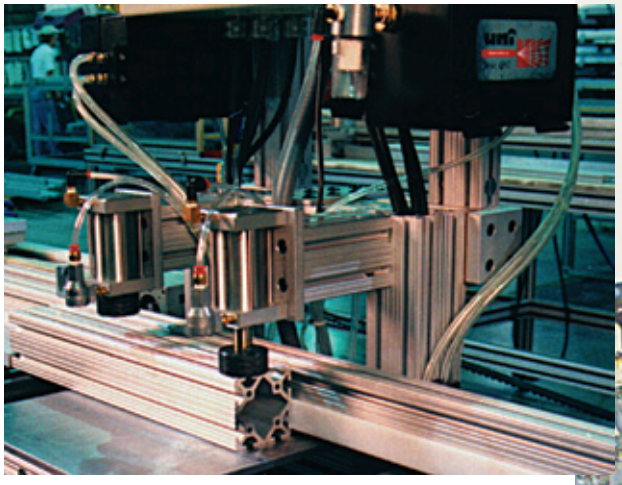

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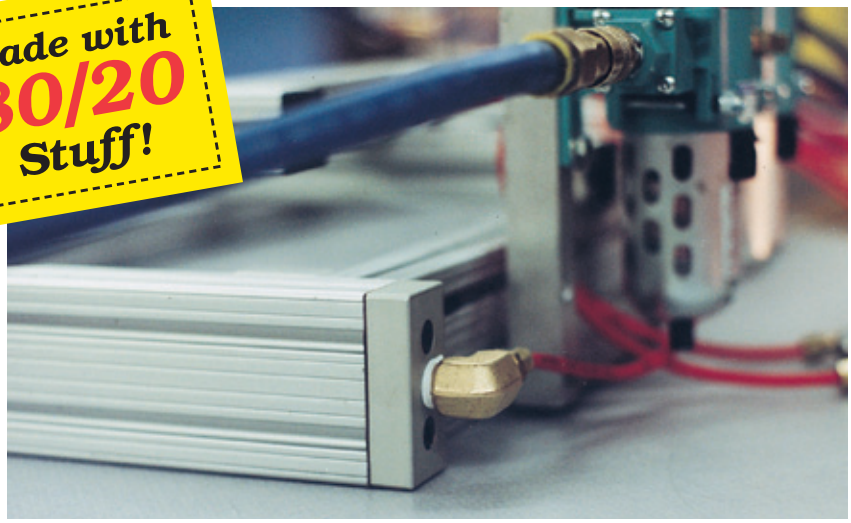

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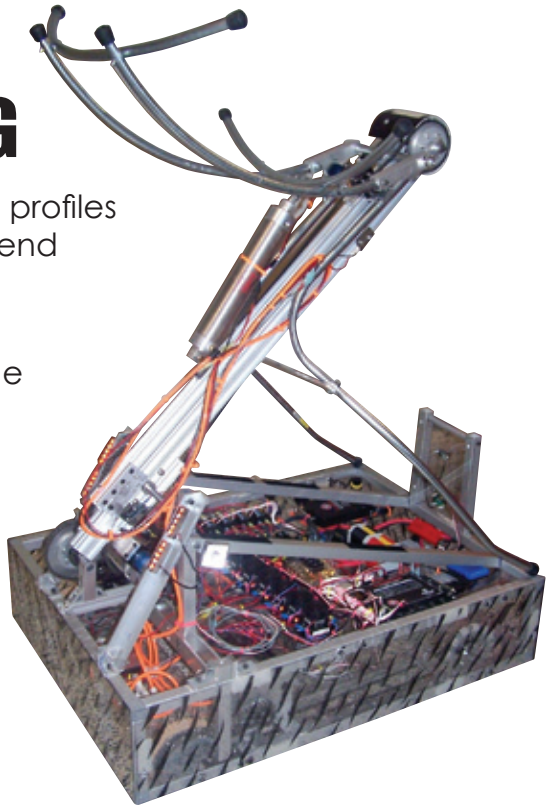
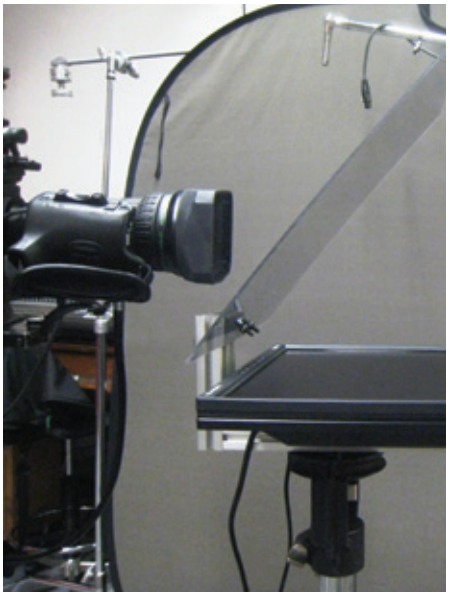
MODULAR ANYTHING

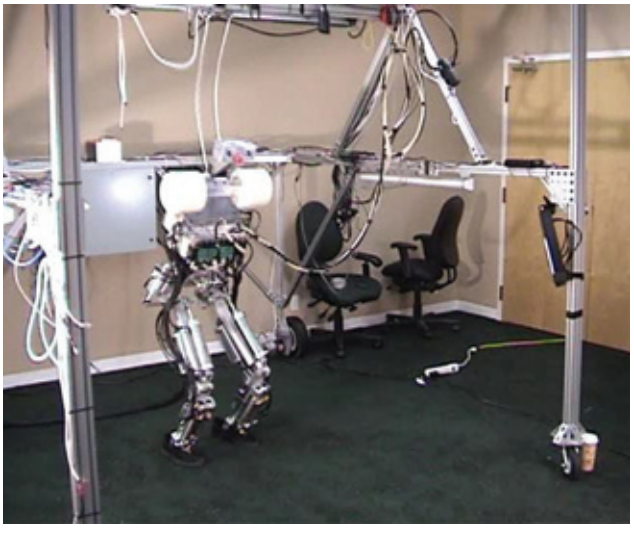
Lightweight and modular, aluminum profiles go anywhere! All you need is a ball end Allen wrench and your imagination.

80/20's modular system is working in thousands of applications all over the world. Call us today with your idea!





For more details about these 80/20 solutions, visit www.8020.net/casestudy.asp



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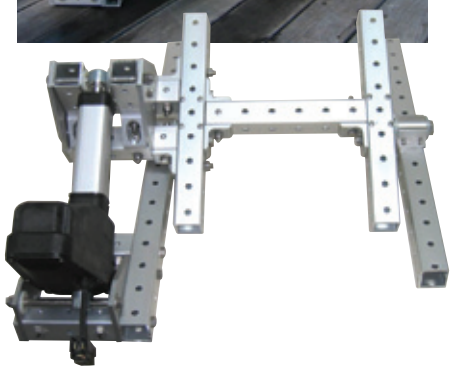

▲ For more details about the above 80/20 solutions, ▲
visit www.8020.net/casestudy.asp

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OUTSIDE THE BOX!

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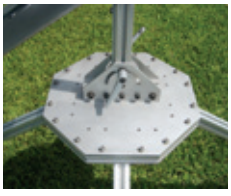
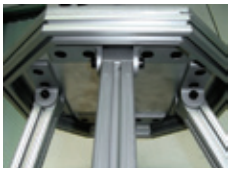
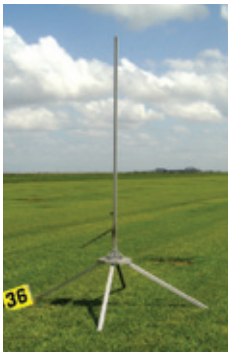
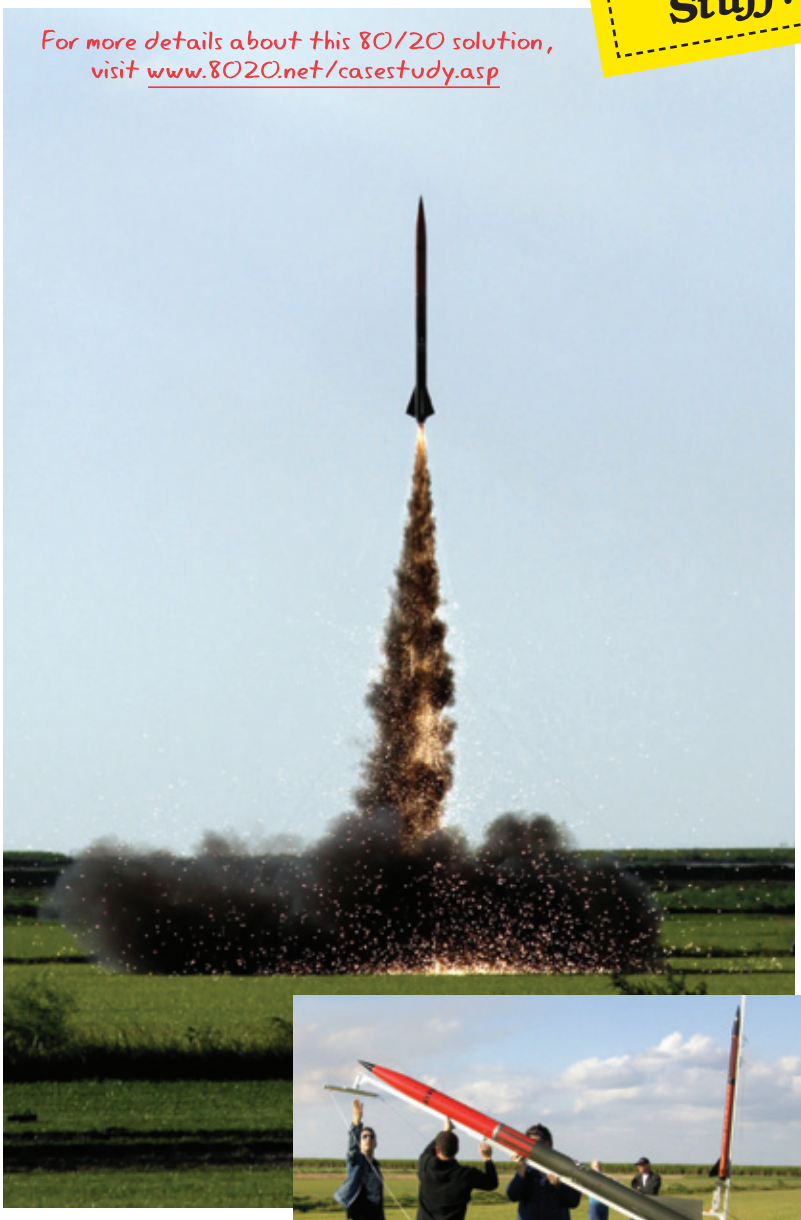






For more details about this 80/20 solution, visit www.8020.net/casestudy.asp



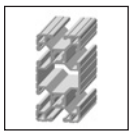
We specialize in FAST™ *same day shipments!*

New Products

What's new at 80/20? Lots of things! We've added new parts to our line, including four new ultra light profiles, fasteners, panels and machining services. Many new parts were added because you, our customers, asked for them!

1530-ULS Profile

Page 56

1530-UL Profile

Page 57

40-4040-UL Profile

Page 58

40-4080-UL Profile

Page 59

Roll-In T-Nuts with Ball Spring

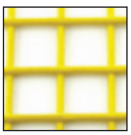
Page 60

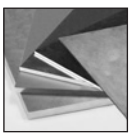
Miter Connector

Page 61

Recycled Polycarbonate

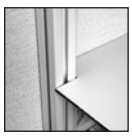
Page 62

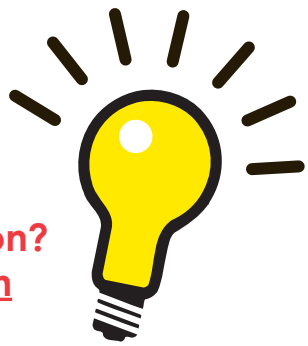
Thermoplastic Coated Wire Mesh

Page 62

Solid Aluminum Plate

Page 63

Adjustable Floor Locks

Page 63

Panel Notch Service

Page 64



Have a new product idea or suggestion?
Email us at newproducts@8020inc.com

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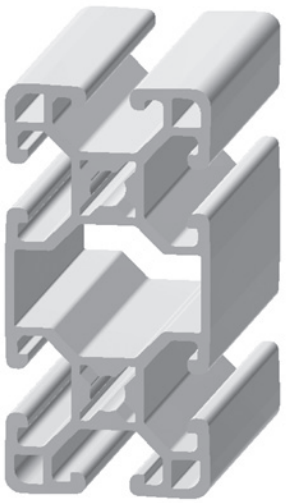
The Industrial Erector Set®
THE STANDARD

1530-ULS T-Slotted Profile - 15 Series

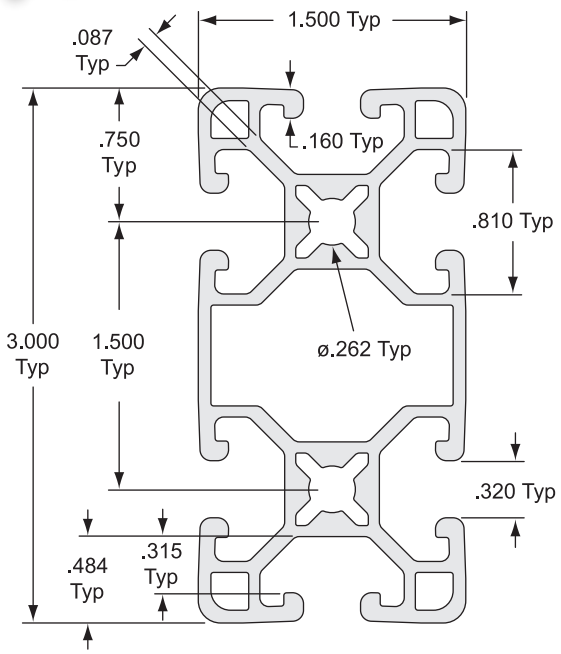
- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- 1515-ULS is a great choice when modularity is needed in lightweight applications such as guards, enclosures, workstations and furniture
- 1530-ULS profile has a smooth surface
- Compatibility Code*: 8-15



VIBRATION PROOF™ **

NEW!

Part No.	1530-ULS
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.591 Lbs.
Stock Length (+/- .125")	145" - Part No. 1530-ULS-145 242" - Part No. 1530-ULS-242
Moment Of Inertia	IX=1.977"⁴ IY=0.314"⁴
Estimated Area	1.325 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7045 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

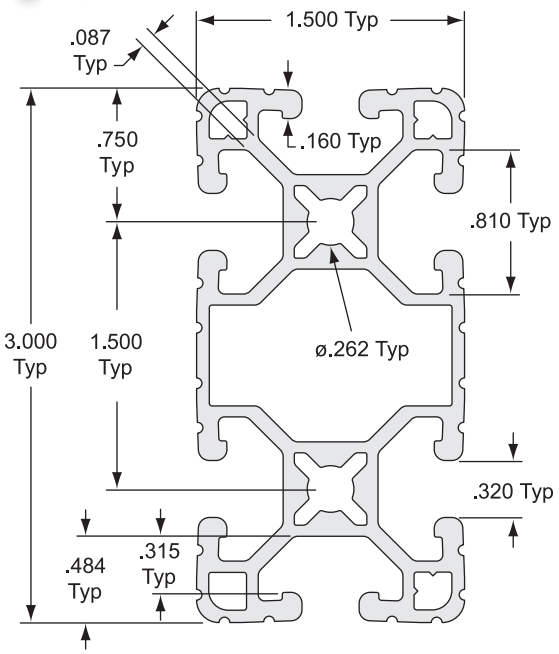
1530-UL T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- 1515-UL is a great choice when modularity is needed in lightweight applications such as guards, enclosures, workstations and furniture
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

NEW!

Part No.	1530-UL
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.609 Lbs.
Stock Length (+/- .125")	145" - Part No. 1530-UL-145 242" - Part No. 1530-UL-242
Moment Of Inertia	IX=1.9978"⁴ IY=0.3146"⁴
Estimated Area	1.3396 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7045 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

80/20® Inc.
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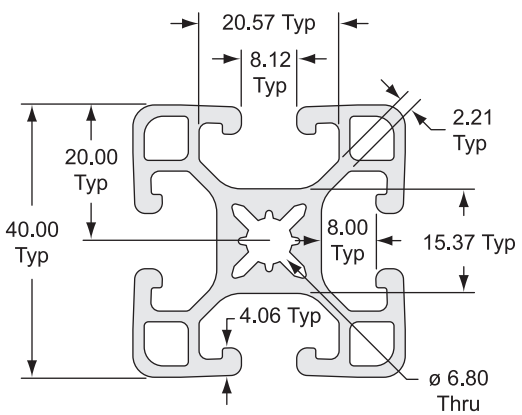
40-4040-UL T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Four open T-slots for mounting accessories
- A great choice when strength is needed in a lightweight application such as guards, enclosures, workstations, displays and furniture
- Compatibility Code*: 8-40

VIBRATION** PROOF™

NEW!

Part No.	40-4040-UL
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.589 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4040-UL-4M 6m - Part No. 40-4040-UL-6M
Moment Of Inertia	IX=8.7060 cm^4 IY=8.7060 cm^4
Estimated Area	6.0349 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7010 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7059 (see page 1030)

* See Compatibility Code information on page 642.
** See 2° Drop-Lock information on page 640.

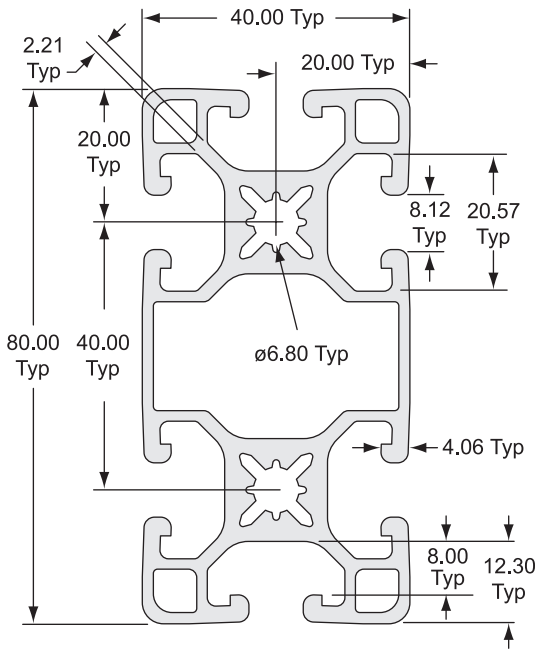
40-4080-UL T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- 40-4080-UL is a great choice when strength is needed in lightweight applications such as guards, enclosures, workstations, displays and furniture
- Compatibility Code*: 8-40

VIBRATION PROOF™

NEW!

Part No.	40-4080-UL
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	2.707 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4080-UL-4M 6m - Part No. 40-4080-UL-6M
Moment Of Inertia	IX=106.9762 cm⁴ IY=15.4755 cm⁴
Estimated Area	10.3629 cm²



Quick Machining Reference

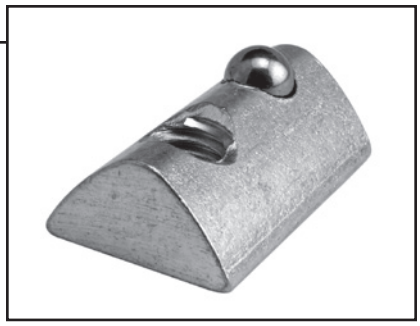
Machining Service	Service Number
Cut to Length	40-7020 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7048 (see page 1030)

* See Compatibility Code information on page 642.

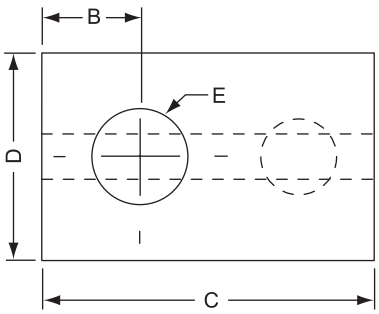
** See 2° Drop-Lock information on page 640.

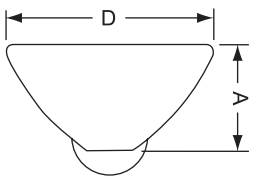
80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

Roll-In T-Nuts with Ball Spring



- **10, 15, 25 and 40 Series compatible**
- **Easy to add and reposition to existing frame where T-slot ends are captivated**
- **Can be loaded from the profile end or the profile side**
- **The ball spring holds the T-nut in vertical position in the T-slot**
- **Refer to pages 249-259 for our full screw and bolt offering**



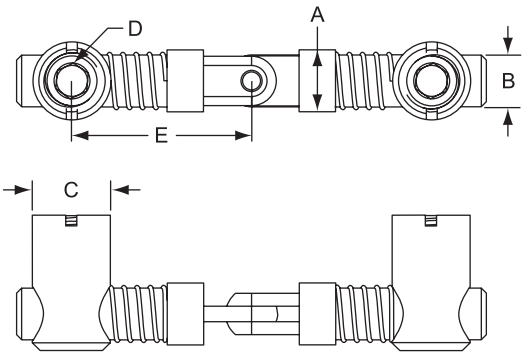


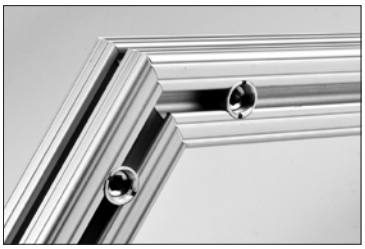
Now available for 10 Series

Part No.	A	B (Tap Location)	C	D	E (Thread)	Finish	Lbs.
3913	.276	.276	.866	.539	M5	Bright Zinc	.028
3914	.276	.276	.866	.539	M6	Bright Zinc	.026
3915	.276	.276	.866	.539	M8	Bright Zinc	.026
3916	.276	.276	.866	.539	1/4-20	Bright Zinc	.028
3917	.276	.276	.866	.539	5/16-18	Bright Zinc	.026
3919	.200	.200	.620	.395	M4	Bright Zinc	.0098
3920	.200	.200	.620	.395	M5	Bright Zinc	.0094
3921	.200	.200	.620	.395	M6	Bright Zinc	.0084
3922	.200	.200	.620	.395	10-32	Bright Zinc	.0092
3923	.200	.200	.620	.395	1/4-20	Bright Zinc	.0084
3666	.200	.200	.620	.395	M4	Stainless Steel	.0084
3667	.200	.200	.620	.395	M5	Stainless Steel	.0094
3668	.200	.200	.620	.395	M6	Stainless Steel	.0088
3669	.200	.200	.620	.395	10-32	Stainless Steel	.0096
3670	.200	.200	.620	.395	1/4-20	Stainless Steel	.0086
13018	.275	.255	.866	.539	1/4-20	Stainless Steel	.022
13021	.275	.255	.866	.539	5/16-18	Stainless Steel	.020

Miter Connector

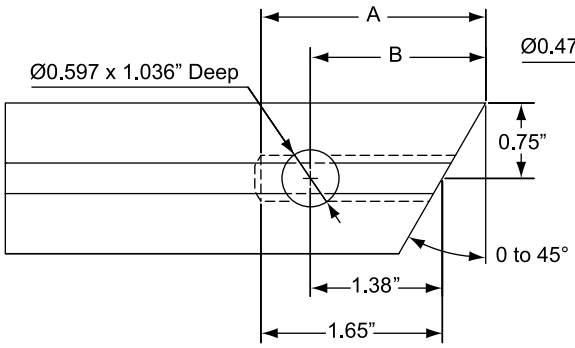
- Strong, internal connector
- For use on all square 15, 40 and 45 Series profiles
- Can be used in connection angles of 90° - 180°

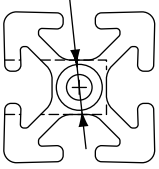




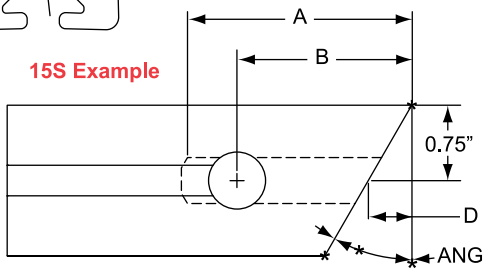
Part No.	A	B	C	D	E	Lbs.	Compatibile Profiles
13193	.469	.394	.590	6mm Hex	1.307	.193	1515-UL, 1515-Lite, 1515, 1517, 1547, 1501, 1502, 1503, 1504, 1515-ULS, 1515-LS, 1515-S, 1517-LS, 1501-LS, 1502-LS, 1503-LS, 1504-LS, 40-4040-UL, 40-4040-Lite, 40-4040, 40-4001, 40-4002, 40-4003,40-4004, 40-4030-Lite, 40-4045-Lite, 45-4545, 45-4545-Lite

Miter Connector Machining





15S Example



Part No.	Compatibile Profiles
7110	1515-UL, 1515-Lite, 1515, 1517, 1547, 1501, 1502, 1503, 1504, 1515-ULS, 1515-LS, 1515-S, 1517-LS, 1501-LS, 1502-LS, 1503-LS, 1504-LS

15 Series						
Bar Cut Angle (0-45):	ANG	7.5	15	22.5	30	45
Miter Offset:	D	0.099	0.201	0.311	0.433	0.750
12.1mm Dia Drill Depth:	A	1.752	1.855	1.964	2.087	2.404
15.2mm C-Bore from End of Bar:	B	1.437	1.540	1.649	1.772	2.089

ANG = 30°
D = 0.75" x tan ANG — D = 0.433"
A = 1.654" + D — A = 2.126"
B = 1.378" + D — B = 1.772"

80/20® Inc.
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RECYCLED CLEAR POLYCARBONATE PANELS

- **Same machinability and impact resistance as our standard "virgin" polycarbonate panels**
- **Made from less costly, recycled material ***
- **Stable up to 240°**
- **Available in 1/4" thickness, Part No. 2646, and 3/16" thickness, Part No. 2647**

* When compared to our standard "virgin" polycarbonate panels, recycled material may appear slightly tinted

Part No.	Trade Name	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2643	Lexan® / Makrolon® / Palram	Clear	.118"	.737	48" x 96" + .875/-0
2610	Lexan® / Makrolon® / Palram	Clear	.177"	1.150	48" x 96" + .875/-0
2609	Lexan® / Makrolon® / Palram	Clear	.220 - .236"	1.500	48" x 96" + .875/-0 60" x 96" + .875/-0
2644	Lexan® / Makrolon® / Palram	Clear	.375"	2.340	48" x 96" + .875/-0
2645	Lexan® / Makrolon® / Palram	Clear	.500"	3.120	48" x 96" + .875/-0
2612	Lexan® / Makrolon® / Palram	Bronze	.177"	1.150	48" x 96" + .875/-0
2611	Lexan® / Makrolon® / Palram	Bronze	.220 - .236"	1.500	48" x 96" + .875/-0
2630	Lexan® / Makrolon® / Palram	Gray	.177"	1.150	48" x 96" + .875/-0
2629	Lexan® / Makrolon® / Palram	Gray	.220 - .236"	1.500	48" x 96" + .875/-0
2647	Recycled	Clear	.177"	1.150	48" x 96" + .875/-0
2646	Recycled	Clear	.220 - .236"	1.500	48" x 96" + .875/-0

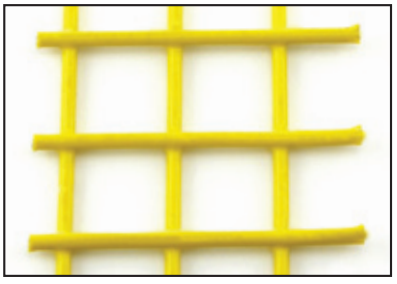
NEW!

Improved Thermoplastic Coated Wire Mesh Panels

80/20'S WIRE MESH NOW FEATURES A MORE CONSISTENT, ECO-FRIENDLY THERMOPLASTIC COATING

- **Widely used in guarding and enclosure applications**
- **Strong yet lightweight**
- **Low wear value, won't flake or chip**
- **Corrosion resistant**
- **Shear wire mesh panels to size with 7095 or 7100 services**
- **Available in black, yellow or grey**

NEW!



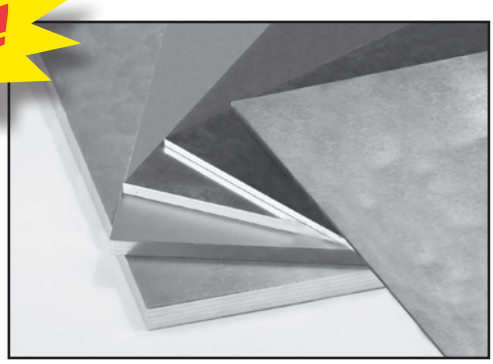
Part No.	Material	Wire Gauge	Thickness	Lbs. / Sq. Ft.	Dimensions	Stock Sheet Size
2472	Thermoplastic Coated Carbon Steel Black	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2474	Thermoplastic Coated Carbon Steel Black	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"
2478	Thermoplastic Coated Carbon Steel Black	12	.210"	1.300	Square 2" x 2"	48" x 96" +/- .50"
2473	Thermoplastic Coated Carbon Steel Yellow	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2475	Thermoplastic Coated Carbon Steel Yellow	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"
2477	Thermoplastic Coated Carbon Steel Grey	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2476	Thermoplastic Coated Carbon Steel Grey	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"

Get a free sample today by calling 260-248-8030 or emailing info@8020inc.com.

Solid Aluminum Plate

NEW!

- Unanodized mill finish
- 6061-T6 alloy
- Anodized parts quoted on request (CM)
- See page 608 aluminum panel machining services

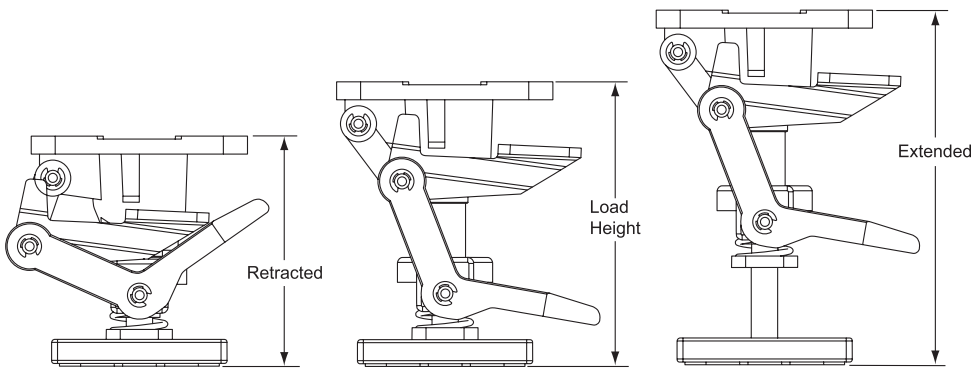


Part No.	Material	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2452	Aluminum Plate	.060"	.889	48" x 144" + .125/-0
2453	Aluminum Plate	.125"	1.764	48" x 144" + .125/-0
2454	Aluminum Plate	.187"	2.680	48" x 144" + .125/-0
2455	Aluminum Plate	.250"	3.700	48" x 144" + .125/-0
2456	Aluminum Plate	.375"	5.550	48" x 144" + .125/-0
2457	Aluminum Plate	.500"	7.400	48.5" x 96.5" + .375/-0

Adjustable Position Floor Locks

- 15 and 40 Series compatible
- Mount to profile T-slot or end by using base plate 2148
- Immobilize equipment with 70-120 lbs. force per lock
- Adjustability improves performance

NEW!



Part No.	Base Plate Part No.	Retracted	Extended Min.	Extended Max	Bolt Diameter	Lbs.
2731	2148	4.500	5.500	7.750	.500	6.831

Part No.	Base Plate Part No.	Retracted	Extended Min.	Extended Max	Bolt Diameter	kg.
40-2731	40-2148	114.30	139.70	196.85	12.70	3.10

80/20® Inc.
*The **Industrial** Erector Set®*
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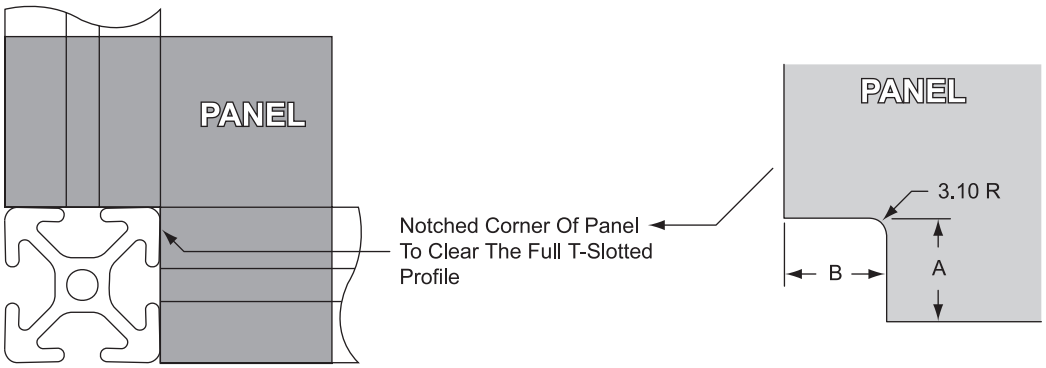
Extended Panel Notch Service - Plastic and Wire Mesh Panels

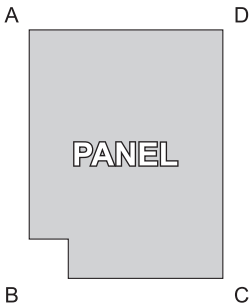
- **Provides clearance for perpendicularly mounted T-slotted profiles**
- **Refer to Section 6 for our full offering of panels**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**



For Plastic Panels and Wire Mesh

Service Part No.	Applicable Profiles	Service Type	A	B	Cut Tolerance
20-7597	20-2020	Corner Notch	21.50	21.50	+/- 1.52
25-7597	25-2525, 25-2501, 25-2502, 25-2503, 25-2504 & 25-2527	Corner Notch	26.50	26.50	+/- 1.52
25-7598	25-2550	Corner Notch	26.50	51.50	+/- 1.52
25-7599	25-5050	Corner Notch	51.50	51.50	+/- 1.52
30-7600	30-3030	Corner Notch	32.00	32.00	+/- 1.52
40-7600	40-4001, 40-4002, 40-4003, 40-4004, 40-4040, 40-4040-Lt, 40-4030-Lt & 40-4045-Lt	Corner Notch	41.50	41.50	+/- 1.52
40-7601	40-4080, 40-4080-Lt	Corner Notch	41.50	81.50	+/- 1.52
40-7602	40-8080	Corner Notch	81.50	81.50	+/- 1.52
45-7603	45-4545, 45-4545-Lt	Corner Notch	47.00	47.00	+/- 1.52
45-7604	45-4590	Corner Notch	46.50	91.50	+/- 1.52
45-7605	45-9090	Corner Notch	91.50	91.50	+/- 1.52

Ordering Example:
65-2609 (1) @ (AD) 500.00mm x (AB) 700.00mm
w/ 40-7600 on Corner B



Profiles Pictorial Table Of Contents

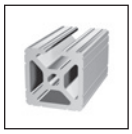
All of 80/20's T-slotted, Holey Tube, Quick Frame and Structural Shape profiles, as well as panels, can be viewed in this section! Selecting the perfect profile for your solution has never been so quick and easy!

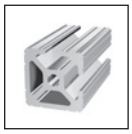
www.8020.net/profiles.asp

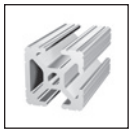
Fractional Profiles with Align-a-Grooves

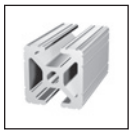
1050 Profile Page 70

1010 Profile Page 70

1001 Profile  Page 70

1002 Profile  Page 70

1003 Profile  Page 71

1004 Profile  Page 71

1012 Profile Page 71

2012 Profile Page 71

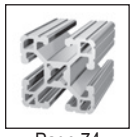
1020 Profile Page 72

1030 Profile Page 72

2020 Profile Page 72

2040 Profile Page 72

1534 Lite Profile Page 74

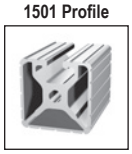
1515-UL Profile  Page 74

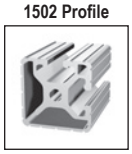
1515-Lite Profile Page 74

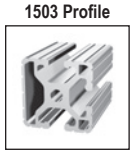
1515 Profile Page 74

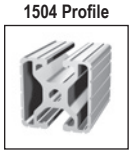
1517 Profile Page 75

1547 Profile Page 75

1501 Profile  Page 76

1502 Profile  Page 76

1503 Profile  Page 76

1504 Profile  Page 76

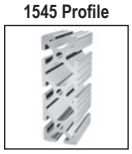
3034-Lite Profile Page 77

NEW!

1530-UL Profile Page 73

1530-Lite Profile Page 77

1530 Profile Page 77

1545 Profile  Page 77

3030-Lite Profile Page 78

3030 Profile Page 78

3060 Profile Page 78

Table Of Contents Continued

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

Profiles Pictorial Table Of Contents

Fractional Profiles, Smooth

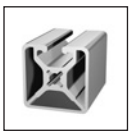
1575 Profile Page 80

1515-ULS Profile Page 80

1515-LS Profile Page 80

1515-S Profile Page 80

1517-LS Profile Page 81

1501-LS Profile  Page 81

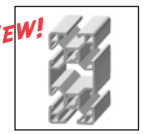
1502-LS Profile Page 81

1503-LS Profile Page 81

1504-LS Profile Page 81

3075 Profile Page 82

NEW!

1530-ULS Profile  Page 79

1530-LS Profile Page 82

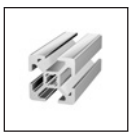
1530-S Profile Page 82

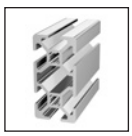
1545-S Profile Page 82

3030-LS Profile Page 83

3030-S Profile Page 83

Metric Profiles, Smooth

20-2020 Profile  Page 85

20-2040 Profile  Page 85

20-4040 Profile Page 85

25-2514 Profile Page 87

25-2525 Profile Page 87

25-2527 Profile Page 87

25-2501 Profile Page 88

25-2502 Profile Page 88

25-2503 Profile Page 88

25-2504 Profile Page 88

25-5013 Profile Page 89

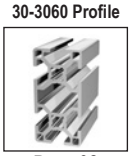
25-2550 Profile Page 89

25-2576 Profile Page 89

25-5050 Profile Page 90

25-5010 Profile Page 90

30-3030 Profile Page 92

30-3060 Profile  Page 92

30-6060 Profile Page 92

40-4020 Profile Page 94

NEW!

40-4040 UL Profile Page 93

40-4040 Lite Profile Page 94

Profiles Pictorial Table Of Contents

Metric Profiles, Smooth continued

40-4040 Profile

Page 94

40-4001 Profile

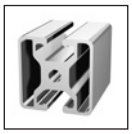
Page 95

40-4002 Profile

Page 95

40-4003 Profile

Page 95

40-4004 Profile

Page 95

40-4030 Lite Profile

Page 96

40-4045 Lite Profile

Page 96

40-4093 Profile

Page 97

40-4094 Profile

Page 97

40-4096 Profile

Page 97

40-8020 Profile

Page 98

NEW!

40-4080 UL Profile

Page 93

40-4080 Lite Profile

Page 98

40-4080 Profile

Page 98

40-4082-Lite Profile

Page 99

40-4083-Lite Profile

Page 99

40-4084-Lite Profile

Page 99

40-4085-Lite Profile

Page 99

40-4012 Profile

Page 100

40-8080 Profile

Page 100

40-8016 Profile

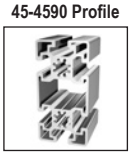
Page 100

45-4545 Lite Profile

Page 102

45-4545 Profile

Page 102

45-4590 Profile

Page 103

45-9090 Profile

Page 103

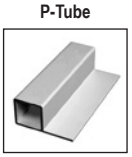
Holey Tube Profiles

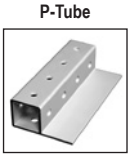
9700
Square Tube

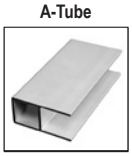
Page 105

9701
Square Tube

Page 105

9705
P-Tube

Page 105

9706
P-Tube

Page 106

9725
A-Tube

Page 106

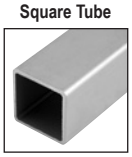
9726
A-Tube

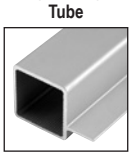
Page 106

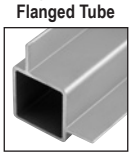
9728
A-Tube

Page 106

Quick Frame Profiles

9000
Square Tube

Page 108

9005 Square
Single Flanged
Tube

Page 108

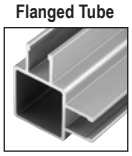
9010 Sq. Rt.
Angle Double
Flanged Tube

Page 108

9015 Square
Double
Flanged Tube

Page 108

9025 Square
Single Twin
Flanged Tube

Page 109

9030 Square Right
Angle Double Twin
Flanged Tube

Page 109

9035 Square
Double Twin
Flanged Tube

Page 109

80/20® Inc.
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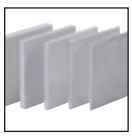
THE STANDARD

Profiles Pictorial Table Of Contents

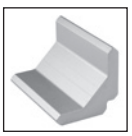
Structural Shapes

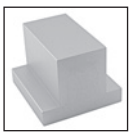
Flat Stock Page 111

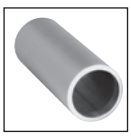
Solid Aluminum Plate  Page 111

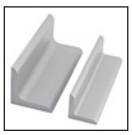
Block Profiles Page 111

Square & Rectangle Tubes Page 111

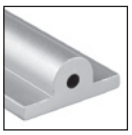
Corner Connector Profiles  Page 111

Stanchion Profiles  Page 111

Round Stock  Page 111

Angled Profiles  Page 111

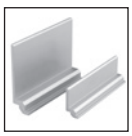
45° Gusset Profiles Page 111

Deadbolt Latch Profiles  Page 111

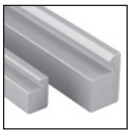
Standard Pivot Nub Profiles Page 112

Right Angle Pivot Nub Profiles Page 112

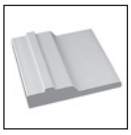
Hinge Profiles Page 112

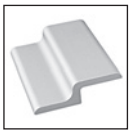
Drop In Panel Bracket Profiles  Page 112

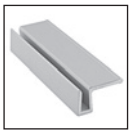
Panel Mount Block Profiles Page 112

Clamp Block Profiles  Page 112

Linear Bearing Profiles Page 112

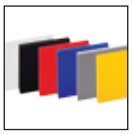
UniBearing™ Profiles  Page 112

Retainer Angle Profiles  Page 112

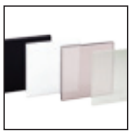
Panel Stiffener Profiles  Page 112

Door Slide Track Profiles Page 112

Panels

Expanded PVC Panels  Page 114

Polycarbonate Panels Page 114

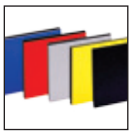
Acrylic Panels  Page 114

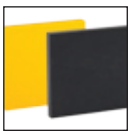
Recycled Polycarb Panels Page 114

AR Polycarb Panels Page 114

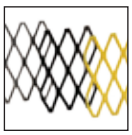
HDPE Panels Page 114

Twin Wall Polycarb Panels Page 114

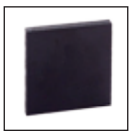
Alumalite® Panels  Page 114

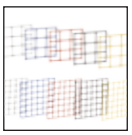
Kydex® Panels  Page 114

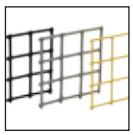
Aluminum Plate Page 115

Expanded Metal Panels  Page 115

Alucobest Panels Page 115

ABS Haircell Panels  Page 115

Wire Mesh Panels  Page 115

Thermoplastic Coated Wire Mesh  Page 115

We specialize in FAST™ *same day shipments!*

Introduction to 10 Series, Fractional, with Align-a-Grooves

10 Series profiles are based on 1” increments with .5” centerlines. As a member of our fractional line, 10 Series profiles feature align-a-grooves and range from .5” x 1” to 2” x 4”. Featuring our 2-degree drop-lock, 10 Series profiles provide the backbone for strong yet lightweight framing solutions such as work benches, enclosures, and displays.

- High grade 6105-T5 aluminum alloy with clear anodize finish
- A full offering of fastening methods and accessories
- 12 profiles to choose from
- Lightweight yet strong

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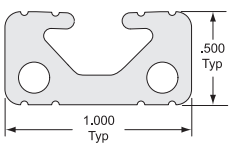
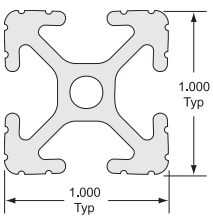
THE STANDARD

Fractional 10 Series with Align-a-Grooves

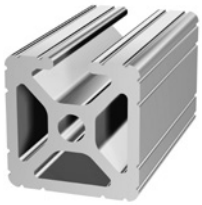
1050

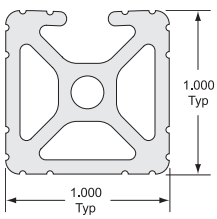


1010

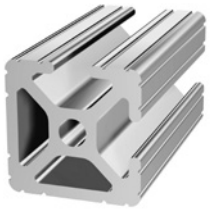


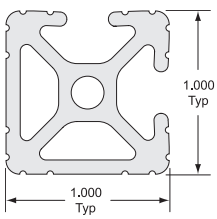
1001





1002





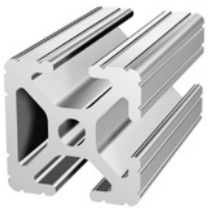
Part No.	1050	1010	1001	1002
Material	6105-T5 Aluminum			
Finish	Clear Anodize #204-R1			
Modulus of Elasticity	10,200,000 Lbs./Sq. In.			
Moment of Inertia	IX=.0074"⁴ IY=.0323"⁴	IX=.0442"⁴ IY=.0442"⁴	IX=.0493"⁴ IY=.0542"⁴	IX=.0492"⁴ IY=.0492"⁴
Estimated Area	.3161 Sq. In.	.4379 Sq. In.	.5069 Sq. In.	.4834 Sq. In.
Weight Per Foot	.3679 Lbs	.5097 Lbs.	.5900 Lbs.	.5627 Lbs.
2° Drop-Lock Feature	yes	yes	yes	yes
Stock Length (s) *	145"	97", 145", 242"	145" or 242"	145" or 242"
Cut-to-Length Part No.	7005	7005	7005	7005
Compatibility Code **	6-10	6-10	6-10	6-10
Found on Page	165	159	160	161

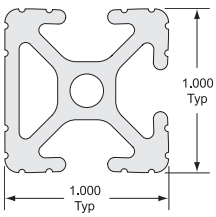
* Refer to page 563 for profile cut to length services.

** See Compatibility Code information on page 152.

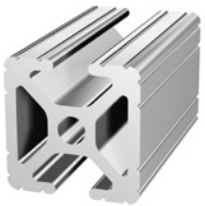
Fractional 10 Series with Align-a-Grooves

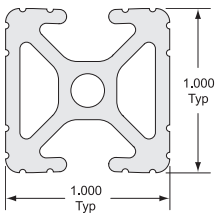
1003



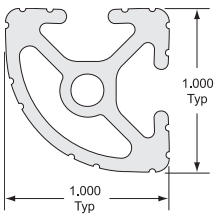


1004

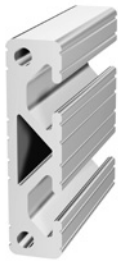


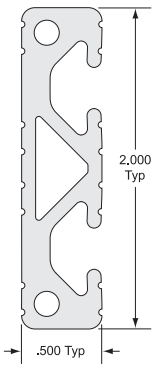


1012



2012





Part No.	1003	1004	1012	2012
Material	6105-T5 Aluminum			
Finish	Clear Anodize #204-R1			
Modulus of Elasticity	10,200,000 Lbs./Sq. In.			
Moment of Inertia	IX=.0441"⁴ IY=.0491"⁴	IX=.0443"⁴ IY=.0541"⁴	IX=.0400"⁴ IY=.0400"⁴	IX=.2253"⁴ IY=.0146"⁴
Estimated Area	.4582 Sq. In.	.4819 Sq. In.	.4280 Sq. In.	.5653 Sq. In.
Weight Per Foot	.5333 Lbs.	.5609 Lbs.	.4982 Lbs.	.6580 Lbs.
2° Drop-Lock Feature	yes	yes	yes	yes
Stock Length (s) *	145" or 242"	145" or 242"	145" or 242"	145"
Cut-to-Length Part No.	7005	7005	7005	7000
Compatibility Code **	6-10	6-10	6-10	6-10
Found on Page	162	163	164	166

* Refer to page 563 for profile cut to length services.

** See Compatibility Code information on page 152.

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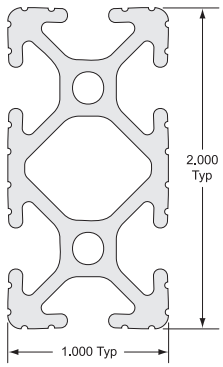
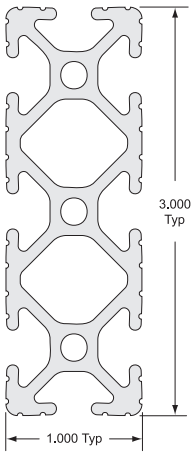
Fractional 10 Series with Align-a-Grooves

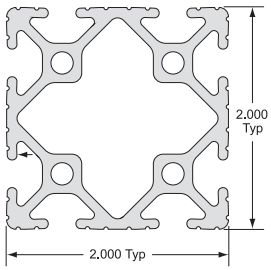
1020



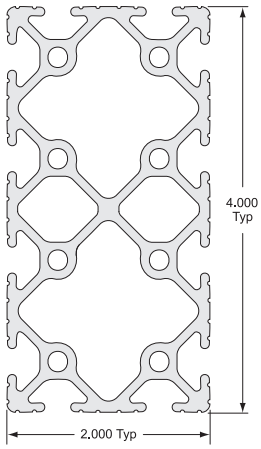
1030



2020



2040



Part No.	1020	1030	2020	2040
Material	6105-T5 Aluminum			
Finish	Clear Anodize #204-R1			
Modulus of Elasticity	10,200,000 Lbs./Sq. In.			
Moment of Inertia	IX=.3078"⁴ IY=.0833"⁴	IX=.9711"⁴ IY=.1238"⁴	IX=.5509"⁴ IY=.5509"⁴	IX=3.5168"⁴ IY=1.0513"⁴
Estimated Area	.7914 Sq. In.	1.1596 Sq. In.	1.2079 Sq. In.	2.2462 Sq. In.
Weight Per Foot	.9212 Lbs.	1.3498 Lbs.	1.4060 Lbs.	2.6146 Lbs.
2° Drop-Lock Feature	yes	yes	yes	yes
Stock Length (s) *	97", 145", 242"	145" or 242"	145" or 242"	145" or 242"
Cut-to-Length Part No.	7000	7003	7012	7013
Compatibility Code **	6-10	6-10	6-10	6-10
Found on Page	167	168	169	170

* Refer to page 563 for profile cut to length services.

** See Compatibility Code information on page 152.

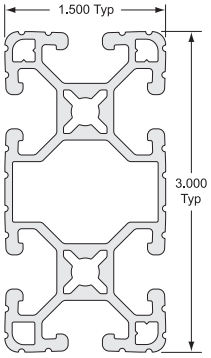
Introduction to 15 Series, Fractional, with Align-a-Grooves

15 Series profiles are based on 1.5” increments with .75” centerlines. As a member of our fractional line, 15 Series profiles feature align-a-grooves and range from .75” x 1.5” to 3” x 6”. Featuring our 2-degree drop-lock, 15 Series profiles provide the backbone for strong yet lightweight framing solutions such as work benches, enclosures, and displays.

- Align-a-Grooves minimize scratches and provide faster, more accurate and square assembly
- High grade 6105-T5 aluminum alloy with clear anodize finish
- A full offering of fastening methods and accessories
- 18 profiles to choose from
- Lightweight yet strong

NEW!

1530-UL



Part No.	1530-UL
Material	6105-T5 Aluminum
Finish	Clear Anodize #204-R1
Modulus of Elasticity	10,200,000 Lbs./Sq. In.
Moment of Inertia	IX=1.9978”^{4} IY=0.3146”^{4}
Estimated Area	1.3396 Sq. In.
Weight Per Foot	1.609 Lbs.
2° Drop-Lock Feature	yes
Stock Length (s) *	145” or 242”
Cut-to-Length Part No.	7020
Compatibility Code **	8-15

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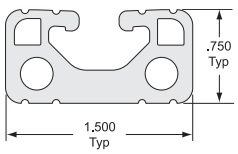
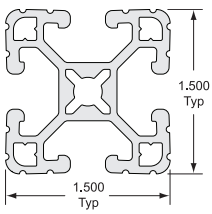
Fractional 15 Series with Align-a-Grooves

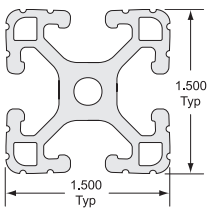
1534-Lite



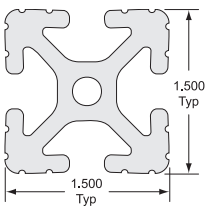
1515-UL



1515-Lite



1515



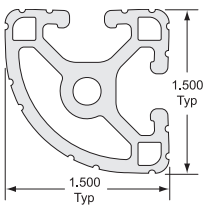
Part No.	1534-Lite	1515-UL	1515-Lite	1515
Material	6105-T5 Aluminum			
Finish	Clear Anodize #204-R1			
Modulus of Elasticity	10,200,000 Lbs./Sq. In.			
Moment of Inertia	IX=.0356"⁴ IY=.1360"⁴	IX=.1772"⁴ IY=.1772"⁴	IX=.1853"⁴ IY=.1853"⁴	IX=.2542"⁴ IY=.2542"⁴
Estimated Area	.6341 Sq. In.	.7938 Sq. In.	.8986 Sq. In.	1.1540 Sq. In.
Weight Per Foot	.7381 Lbs.	.9240 Lbs.	1.0460 Lbs.	1.3433 Lbs.
2° Drop-Lock Feature	yes	yes	yes	yes
Stock Length (s) *	145"	145" or 242"	97", 145", 242"	97", 145", 242"
Cut-to-Length Part No.	7010	7010	7010	7010
Compatibility Code **	8-15	8-15	8-15	8-15
Found on Page	189	172	174	176

* Refer to page 563 for profile cut to length services.

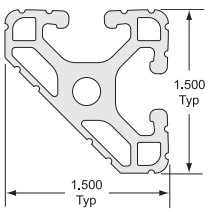
** See Compatibility Code information on page 152.

Fractional 15 Series with Align-a-Grooves

1517



1547



Part No.	1517	1547
Material	6105-T5 Aluminum	
Finish	Clear Anodize #204-R1	
Modulus of Elasticity	10,200,000 Lbs./Sq. In.	
Moment of Inertia	IX=.1662"⁴ IY=.1662"⁴	IX=.1365"⁴ IY=.1365"⁴
Estimated Area	.8406 Sq. In.	.7447 Sq. In.
Weight Per Foot	.9785 Lbs.	.8668 Lbs.
2° Drop-Lock Feature	yes	yes
Stock Length (s) *	97", 145", 242"	145", 242"
Cut-to-Length Part No.	7010	7010
Compatibility Code **	8-15	8-15
Found on Page	187	185

* Refer to page 563 for profile cut to length services.

** See Compatibility Code information on page 152.

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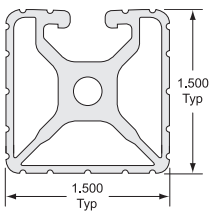
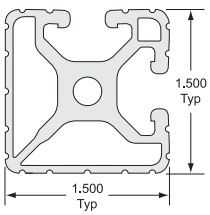
Fractional 15 Series with Align-a-Grooves

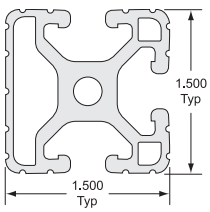
1501



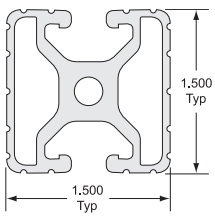
1502



1503



1504



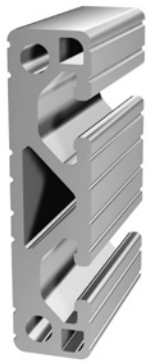
Part No.	1501	1502	1503	1504
Material	6105-T5 Aluminum			
Finish	Clear Anodize #204-R1			
Modulus of Elasticity	10,200,000 Lbs./Sq. In.			
Moment of Inertia	IX=.1726"⁴ IY=.1694"⁴	IX=.1660"⁴ IY=.1730"⁴	IX=.1760"⁴ IY=.1790"⁴	IX=.1729"⁴ IY=.1665"⁴
Estimated Area	.8313 Sq. In.	.8507 Sq. In.	.8702 Sq. In.	.8362 Sq. In.
Weight Per Foot	.9676 Lbs.	.9902 Lbs.	1.0129 Lbs.	.9733 Lbs.
2° Drop-Lock Feature	yes	yes	yes	yes
Stock Length (s) *	145" or 242"	145" or 242"	145" or 242"	145" or 242"
Cut-to-Length Part No.	7010	7010	7010	7010
Compatibility Code **	8-15	8-15	8-15	8-15
Found on Page	178	180	182	184

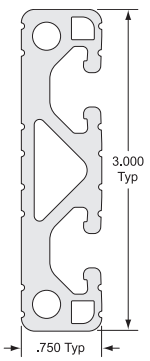
* Refer to page 563 for profile cut to length services.

** See Compatibility Code information on page 152.

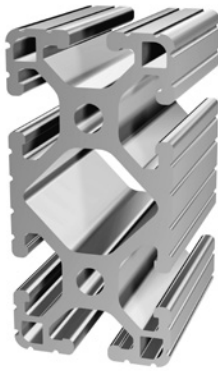
Fractional 15 Series with Align-a-Grooves

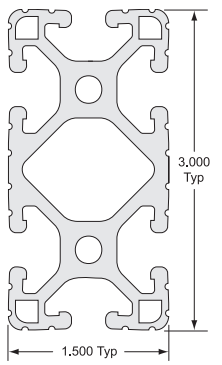
3034-Lite



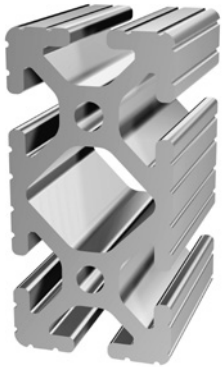


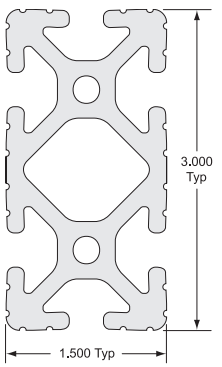
1530-Lite



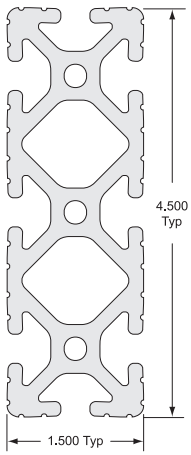


1530





1545



Part No.	3034-Lite	1530-Lite	1530	1545
Material	6105-T5 Aluminum			
Finish	Clear Anodize #204-R1			
Modulus of Elasticity	10,200,000 Lbs./Sq. In.			
Moment of Inertia	IX=.9829"⁴ IY=.0725"⁴	IX=1.3847"⁴ IY=0.3935"⁴	IX=1.8042"⁴ IY=0.4824"⁴	IX=5.6929"⁴ IY=0.7097"⁴
Estimated Area	1.1870 Sq. In.	1.7288 Sq. In.	2.0798 Sq. In.	3.0047 Sq. In.
Weight Per Foot	1.3817 Lbs.	2.0123 Lbs.	2.4209 Lbs	3.4975 Lbs.
2° Drop-Lock Feature	yes	yes	yes	yes
Stock Length (s) *	145"	97", 145", 242"	97", 145", 242"	145" or 242"
Cut-to-Length Part No.	7020	7020	7020	7021
Compatibility Code **	8-15	8-15	8-15	8-15
Found on Page	191	193	195	197

* Refer to page 563 for profile cut to length services.

** See Compatibility Code information on page 152.

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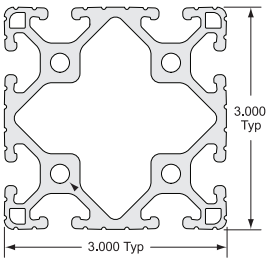
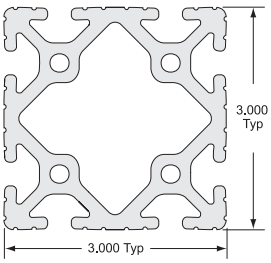
THE STANDARD

Fractional 15 Series with Align-a-Grooves

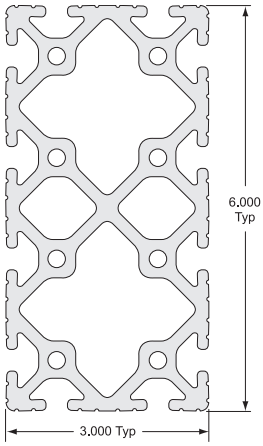
3030-Lite



3030



3060



Part No.	3030-Lite	3030	3060
Material	6105-T5 Aluminum		
Finish	Clear Anodize #204-R1		
Modulus of Elasticity	10,200,000 Lbs./Sq. In.		
Moment of Inertia	IX=2.6959"⁴ IY=2.6959"⁴	IX=3.4133"⁴ IY=3.4133"⁴	IX=22.0300"⁴ IY=6.5164"⁴
Estimated Area	2.7844 Sq. In.	3.4477 Sq. In.	6.4262 Sq. In.
Weight Per Foot	3.2411 Lbs.	4.0131 Lbs.	7.4801 Lbs.
2° Drop-Lock Feature	yes	yes	yes
Stock Length (s) *	145" or 242"	145" or 242"	145", 192" or 242"
Cut-to-Length Part No.	7030	7030	7023
Compatibility Code **	8-15	8-15	8-15
Found on Page	199	201	202

* Refer to page 563 for profile cut to length services.

** See Compatibility Code information on page 152.

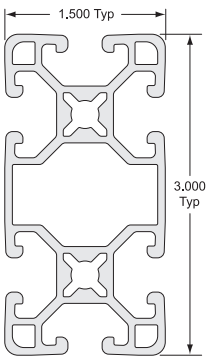
Introduction to 15 Series, Fractional, Smooth

15 Series profiles are based on 1.5” increments with .75” centerlines. As a member of our fractional line, 15 Series profiles feature smooth surfaces and range from .75” x 1.5” to 3” x 3”. Featuring our 2-degree drop-lock, 15 Series profiles provide the backbone for strong yet lightweight framing solutions such as clean rooms, work benches, enclosures, and displays.

- High grade 6105-T5 aluminum alloy with clear anodize finish
- Smooth, aesthetically pleasing surface is easy to clean
- A full offering of fastening methods and accessories
- 16 profiles to choose from
- Lightweight yet strong

NEW!

1530-ULS



Part No.	1530-ULS
Material	6105-T5 Aluminum
Finish	Clear Anodize #204-R1
Modulus of Elasticity	10,200,000 Lbs./Sq. In.
Moment of Inertia	IX=1.977"⁴ IY=0.314"⁴
Estimated Area	1.325 Sq. In.
Weight Per Foot	1.591 Lbs.
2° Drop-Lock Feature	yes
Stock Length (s) *	145” or 242”
Cut-to-Length Part No.	7020
Compatibility Code **	8-15

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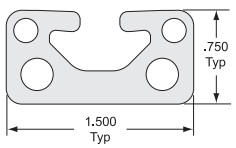
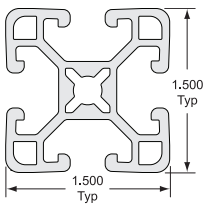
Fractional 15 Series, Smooth

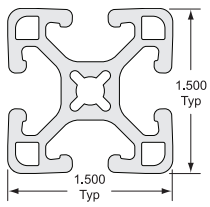
1575



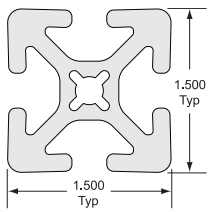
1515-ULS



1515-LS



1515-S



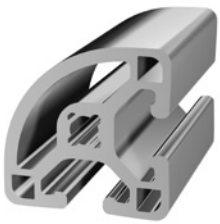
Part No.	1575	1515-ULS	1515-LS	1515-S
Material	6105-T5 Aluminum			
Finish	Clear Anodize #204-R1			
Modulus of Elasticity	10,200,000 Lbs./Sq. In.			
Moment of Inertia	IX=.0380"⁴ IY=.1470"⁴	IX=.1765"⁴ IY=.1765"⁴	IX=.1921"⁴ IY=.1921"⁴	IX=.2631"⁴ IY=.2631"⁴
Estimated Area	.6870 Sq. In.	.7810 Sq. In.	.8770 Sq. In.	1.1458 Sq. In.
Weight Per Foot	.7997 Lbs.	.9360 Lbs.	1.0530 Lbs.	1.3338 Lbs.
2° Drop-Lock Feature	yes	yes	yes	yes
Stock Length (s) *	145"	145" or 242"	145" or 242"	145" or 242"
Cut-to-Length Part No.	7010	7010	7010	7010
Compatibility Code **	8-15	8-15	8-15	8-15
Found on Page	188	171	173	175

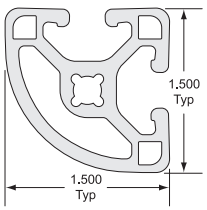
* Refer to page 563 for profile cut to length services.

** See Compatibility Code information on page 152.

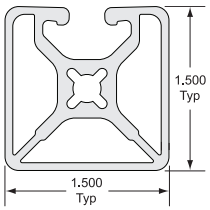
Fractional 15 Series, Smooth

1517-LS

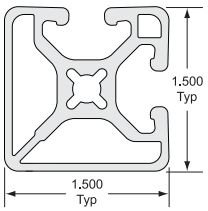




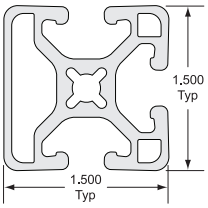
1501-LS



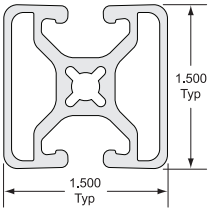
1502-LS



1503-LS



1504-LS



Part No.	1517-LS	1501-LS	1502-LS	1503-LS	1504-LS
Material	6105-T5 Aluminum				
Finish	Clear Anodize #204-R1				
Modulus of Elasticity	10,200,000 Lbs./Sq. In.				
Moment of Inertia	IX=.1686"⁴ IY=.1686"⁴	IX=.1820"⁴ IY=.1799"⁴	IX=.1834"⁴ IY=.1834"⁴	IX=.1859"⁴ IY=.1840"⁴	IX=.1796"⁴ IY=.1759"⁴
Estimated Area	.8359 Sq. In.	.8232 Sq. In.	.8371 Sq. In.	.8480 Sq. In.	.8188 Sq. In.
Weight Per Foot	.9729 Lbs.	.9582 Lbs.	.9744 Lbs.	.9871 Lbs.	.9530 Lbs.
2° Drop-Lock Feature	yes	yes	yes	yes	yes
Stock Length (s) *	145"	145"	145"	145"	145"
Cut-to-Length Part No.	7010	7010	7010	7010	7010
Compatibility Code **	8-15	8-15	8-15	8-15	8-15
Found on Page	186	177	179	181	183

* Refer to page 563 for profile cut to length services.

** See Compatibility Code information on page 152.

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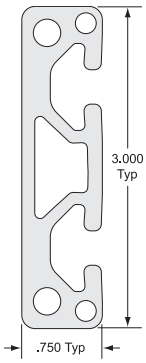
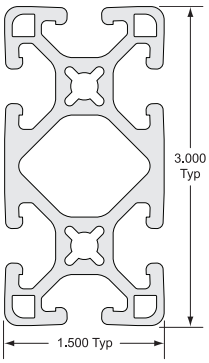
Fractional 15 Series, Smooth

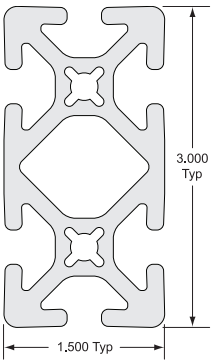
3075



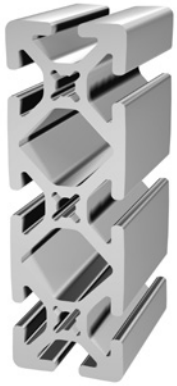
1530-LS

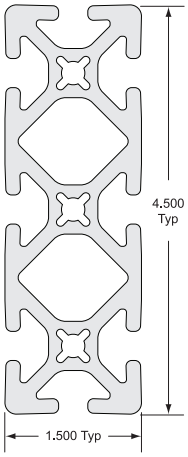


1530-S



1545-S





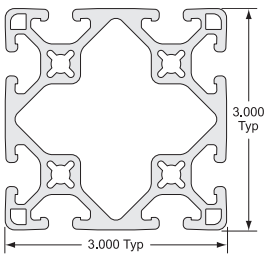
Part No.	3075	1530-LS	1530-S	1545-S
Material	6105-T5 Aluminum			
Finish	Clear Anodize #204-R1			
Modulus of Elasticity	10,200,000 Lbs./Sq. In.			
Moment of Inertia	IX=1.0672"⁴ IY=0.0789"⁴	IX= 1.3881"⁴ IY= 0.4061"⁴	IX=1.8127"⁴ IY=.4957"⁴	IX=5.6675"⁴ IY=.7282"⁴
Estimated Area	1.3237 Sq. In.	1.6950 Sq. In.	2.0490 Sq. In.	2.9523 Sq. In.
Weight Per Foot	1.5408 Lbs.	2.0340 Lbs.	2.3850 Lbs.	3.4365 Lbs.
2° Drop-Lock Feature	yes	yes	yes	yes
Stock Length (s) *	145"	145" or 242"	145" or 242"	145" or 242"
Cut-to-Length Part No.	7020	7020	7020	7021
Compatibility Code **	8-15	8-15	8-15	8-15
Found on Page	190	192	194	196

* Refer to page 563 for profile cut to length services.

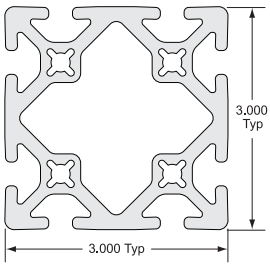
** See Compatibility Code information on page 152.

Fractional 15 Series, Smooth

3030-LS



3030-S



Part No.	3030-LS	3030-S
Material	6105-T5 Aluminum	
Finish	Clear Anodize #204-R1	
Modulus of Elasticity	10,200,000 Lbs./Sq. In.	
Moment of Inertia	IX= 2.6861"⁴ IY= 2.6861"⁴	IX=3.3496"⁴ IY=3.3496"⁴
Estimated Area	2.6910 Sq. In.	3.2896 Sq. In.
Weight Per Foot	3.2280 Lbs	3.8291 Lbs.
2° Drop-Lock Feature	yes	yes
Stock Length (s) *	145" or 242"	145" or 242"
Cut-to-Length Part No.	7030	7030
Compatibility Code **	8-15	8-15
Found on Page	198	200

* Refer to page 563 for profile cut to length services.

** See Compatibility Code information on page 152.

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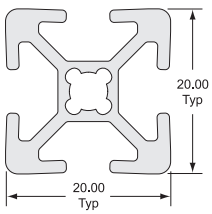
Introduction to 20 Series, Metric, Smooth

20 Series profiles are based on 20mm increments with 10mm centerlines. As a member of our metric line, 20 Series profiles feature smooth surfaces and range from 20mm x 20mm to 40mm x 40mm. Featuring our 2-degree drop-lock, 20 Series profiles provide the backbone for strong yet lightweight framing solutions such as clean rooms, work benches, enclosures, and displays.

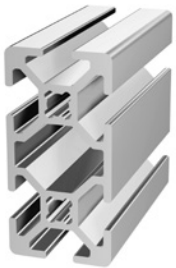
- High grade 6105-T5 aluminum alloy with clear anodize finish
- A full offering of fastening methods and accessories
- 3 profiles to choose from
- Lightweight yet strong

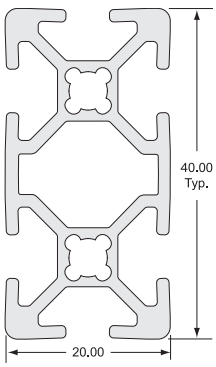
Metric 20 Series, Smooth

20-2020

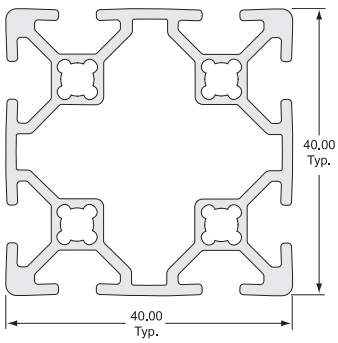


20-2040





20-4040



Part No.	20-2020	20-2040	20-4040
Material	6105-T5 Aluminum		
Finish	Clear Anodize #204-R1		
Modulus of Elasticity	70,326.5 N/mm^2		
Moment of Inertia	IX=.6826" cm^4 IY=.6826" cm^4	IX=4.5357 cm^4 IY=1.2133 cm^4	IX=7.8220 cm^4 IY=7.8220 cm^4
Estimated Area	1.5890 cm^2	2.7467 cm^2	4.2221 cm^2
Weight Per Meter	.4732 kg/m	0.7649 kg/m	1.1727 kg/m
2° Drop-Lock Feature	yes	yes	yes
Stock Length (s) *	4m or 6m	4m or 6m	4m or 6m
Cut-to-Length Part No.	20-7005	20-7020	20-7030
Compatibility Code **	5-20	5-20	5-20
Found on Page	650	651	652

* Refer to page 563 for profile cut to length services.

** See Compatibility Code information on page 152.

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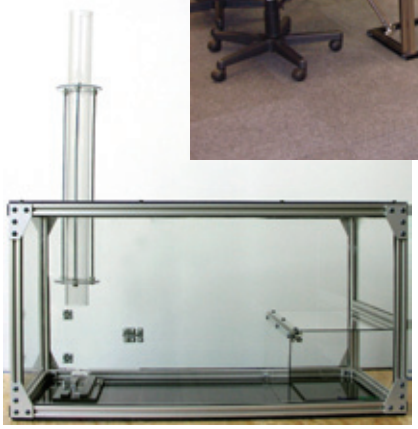
Introduction to 25 Series, Metric, Smooth

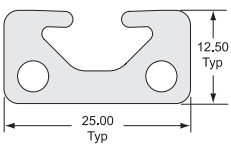
25 Series profiles are based on 25mm increments with 12.5mm centerlines. As a member of our metric line, 25 Series profiles feature smooth surfaces and range from 12.5mm x 25mm to 50mm x 100mm. Featuring our 2-degree drop-lock, 25 Series profiles provide the backbone for strong yet lightweight framing solutions such as work benches, enclosures, and displays.

- High grade 6105-T5 aluminum alloy with clear anodize finish
- A full offering of fastening methods and accessories
- 12 profiles to choose from
- Lightweight yet strong

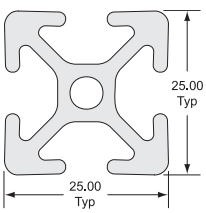


Metric 25 Series, Smooth

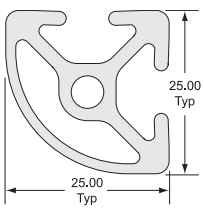
25-2514



25-2525



25-2527



Part No.	25-2514	25-2525	25-2527
Material	6105-T5 Aluminum		
Finish	Clear Anodize #204-R1		
Modulus of Elasticity	70,326.5 N/mm^2		
Moment of Inertia	IX=.3030 cm^4 IY=1.3004 cm^4	IX=1.7726 cm^4 IY=1.7726 cm^4	IX=1.4579 cm^4 IY=1.4579 cm^4
Estimated Area	2.0170 cm^2	2.7663 cm^2	2.4298 cm^2
Weight Per Meter	.5427 kg/m	.7443 kg/m	.6538 kg/m
2° Drop-Lock Feature	yes	yes	yes
Stock Length (s) *	4m	4m or 6m	4m or 6m
Cut-to-Length Part No.	25-7005	25-7005	25-7005
Compatibility Code **	6-25	6-25	6-25
Found on Page	659	653	658

* Refer to page 1029 for profile cut to length services.

** See Compatibility Code information on page 152.

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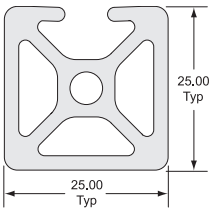
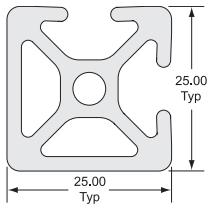
Metric 25 Series, Smooth

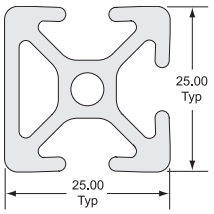
25-2501



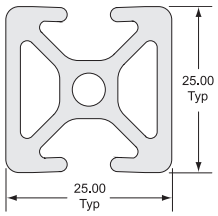
25-2502



25-2503



25-2504



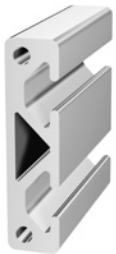
Part No.	25-2501	25-2502	25-2503	25-2504
Material	6105-T5 Aluminum			
Finish	Clear Anodize #204-R1			
Modulus of Elasticity	70,326.5 N/mm^2			
Moment of Inertia	IX=1.9874 cm^4 IY=2.1893 cm^4	IX=1.9781 cm^4 IY=1.9781 cm^4	IX=1.7670 cm^4 IY=1.9689 cm^4	IX=1.7762 cm^4 IY=2.2731 cm^4
Estimated Area	3.2134 cm^2	3.0529 cm^2	2.8925 cm^2	3.0529 cm^2
Weight Per Meter	.8646 kg/m	.8214 kg/m	.7783 kg/m	.8214 kg/m
2° Drop-Lock Feature	yes	yes	yes	yes
Stock Length (s) *	4m or 6m	4m or 6m	4m or 6m	4m or 6m
Cut-to-Length Part No.	25-7005	25-7005	25-7005	25-7005
Compatibility Code **	6-25	6-25	6-25	6-25
Found on Page	654	655	656	657

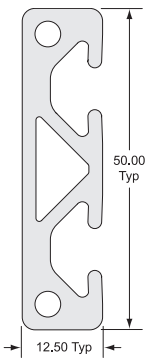
* Refer to page 1029 for profile cut to length services.

** See Compatibility Code information on page 152.

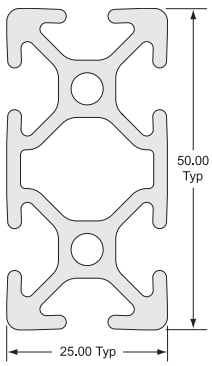
Metric 25 Series, Smooth

25-5013

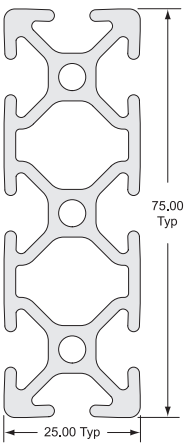




25-2550



25-2576



Part No.	25-5013	25-2550	25-2576
Material	6105-T5 Aluminum		
Finish	Clear Anodize #204-R1		
Modulus of Elasticity	70,326.5 N/mm^2		
Moment of Inertia	IX=8.8453 cm^4 IY=.5897 cm^4	IX=12.1715 cm^4 IY=3.1967 cm^4	IX=37.2852 cm^4 IY=4.5921 cm^4
Estimated Area	3.5452 cm^2	4.8752 cm^2	6.8500 cm^2
Weight Per Meter	.9539 kg/m	1.3052 kg/m	1.8431 kg/m
2° Drop-Lock Feature	yes	yes	yes
Stock Length (s) *	4m	4m or 6m	4m or 6m
Cut-to-Length Part No.	25-7000	25-7000	25-7003
Compatibility Code **	6-25	6-25	6-25
Found on Page	660	661	662

* Refer to page 1029 for profile cut to length services.

** See Compatibility Code information on page 152.

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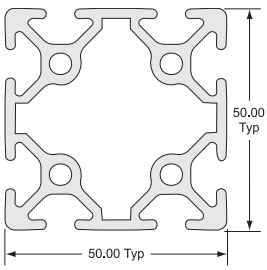
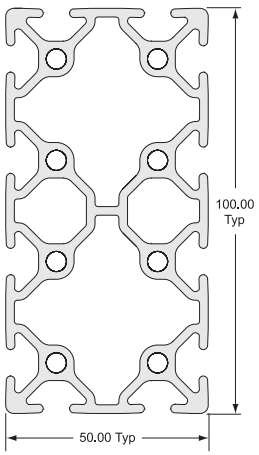
THE STANDARD

Metric 25 Series, Smooth

25-5050



25-5010



Part No.	25-5050	25-5010
Material	6105-T5 Aluminum	
Finish	Clear Anodize #204-R1	
Modulus of Elasticity	70,326.5 N/mm^2	
Moment of Inertia	IX=21.1231 cm^4 IY=21.1231 cm^4	IX=132.0109 cm^4 IY=39.1137 cm^4
Estimated Area	7.3397 cm^2	13.3479 cm^2
Weight Per Meter	1.9748 kg/m	3.5914 kg/m
2° Drop-Lock Feature	yes	yes
Stock Length (s) *	4m or 6m	4m or 6m
Cut-to-Length Part No.	25-7013	25-7012
Compatibility Code **	6-25	6-25
Found on Page	663	664

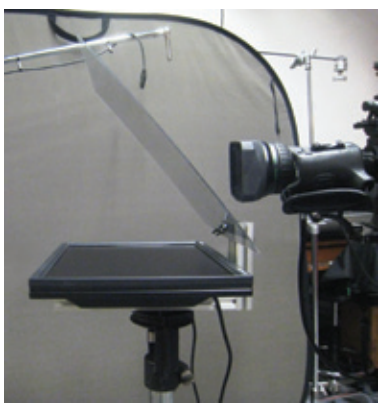
* Refer to page 1029 for profile cut to length services.

** See Compatibility Code information on page 152.

Introduction to 30 Series, Metric, Smooth

30 Series profiles are based on 30mm increments with 15mm centerlines. As a member of our metric line, 30 Series profiles feature smooth surfaces and range from 30mm x 30mm to 60mm x 60mm. Featuring our 2-degree drop-lock, 30 Series profiles provide the backbone for strong yet lightweight framing solutions such as work benches, enclosures, and displays.

- High grade 6105-T5 aluminum alloy with clear anodize finish
- A full offering of fastening methods and accessories
- 3 profiles to choose from
- Lightweight yet strong



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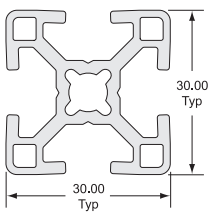
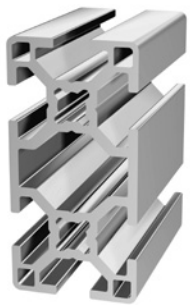
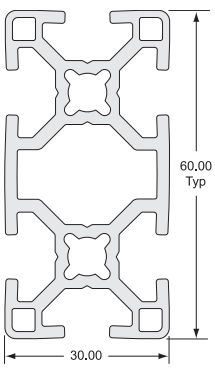
Metric 30 Series, Smooth

30-3030

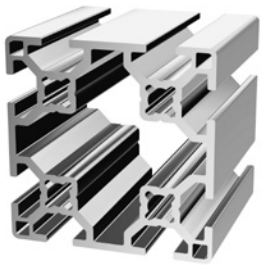


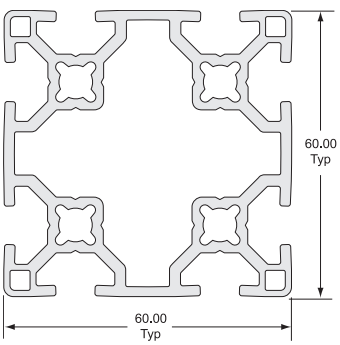
30-3060





30-6060





Part No.	30-3030	30-3060	30-6060
Material	6105-T5 Aluminum		
Finish	Clear Anodize #204-R1		
Modulus of Elasticity	70,326.5 N/mm^2		
Moment of Inertia	IX=2.7222 cm^4 IY=2.7222 cm^4	IX=19.5737 cm^4 IY=5.3856 cm^4	IX=36.3307 cm^4 IY=36.3307 cm^4
Estimated Area	3.0877 cm^2	6.4932 cm^2	9.2556 cm^2
Weight Per Meter	.9376 kg/m	1.5060 kg/m	2.4123 kg/m
2° Drop-Lock Feature	yes	yes	yes
Stock Length (s) *	4m or 6m	4m or 6m	4m or 6m
Cut-to-Length Part No.	30-7010	30-7020	30-7030
Compatibility Code **	8-30	8-30	8-30
Found on Page	665	666	667

* Refer to page 1029 for profile cut to length services.

** See Compatibility Code information on page 152.

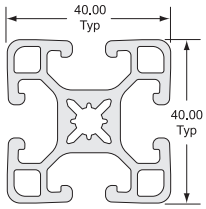
Introduction to 40 Series, Metric, Smooth

40 Series profiles are based on 40mm increments with 20mm centerlines. As a member of our metric line, 40 Series profiles feature smooth surfaces and range from 20mm x 40mm to 80mm x 160mm. Featuring our 2-degree drop-lock, 40 Series profiles provide the backbone for strong yet lightweight framing solutions such as work benches, enclosures, and displays.

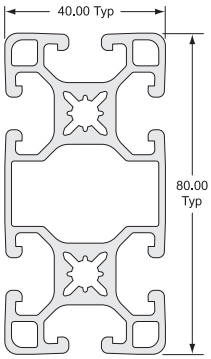
- High grade 6105-T5 aluminum alloy with clear anodize finish
- A full offering of fastening methods and accessories
- 24 profiles to choose from
- Lightweight yet strong

NEW!

40-4040-UL



40-4080-UL



Part No.	40-4040-UL	40-4080-UL
Material	6105-T5 Aluminum	
Finish	Clear Anodize #204-R1	
Modulus of Elasticity	70,326.5 N/mm^2	
Moment of Inertia	IX=8.7060 cm^4 IY=8.7060 cm^4	IX=106.9762 cm^4 IY=15.4755 cm^4
Estimated Area	6.0349 cm^2	10.3629 cm^2
Weight Per Foot	1.589 kg/m	2.707 kg/m
2° Drop-Lock Feature	yes	yes
Stock Length (s) *	4m or 6m	4m or 6m
Cut-to-Length Part No.	40-7010	40-7020
Compatibility Code **	8-40	8-40

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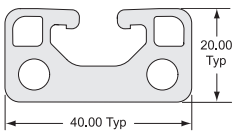
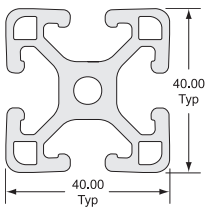
Metric 40 Series, Smooth

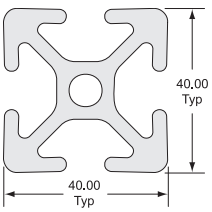
40-4020



40-4040-Lite



40-4040



Part No.	40-4020	40-4040-Lite	40-4040
Material	6105-T5 Aluminum		
Finish	Clear Anodize #204-R1		
Modulus of Elasticity	70,326.5 N/mm^2		
Moment of Inertia	IX=1.8260 cm^4 IY=6.6587 cm^4	IX=9.3984 cm^4 IY=9.3984 cm^4	IX=13.7871 cm^4 IY=13.7871 cm^4
Estimated Area	4.5746 cm^2	6.6207 cm^2	8.7804 cm^2
Weight Per Meter	1.2308 kg/m	1.7814 kg/m	2.3624 kg/m
2° Drop-Lock Feature	yes	yes	yes
Stock Length (s) *	4m	4m or 6m	4m or 6m
Cut-to-Length Part No.	40-7010	40-7010	40-7010
Compatibility Code **	8-40	8-40	8-40
Found on Page	679	668	669

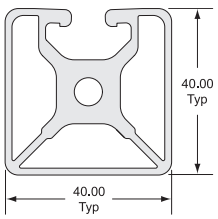
* Refer to page 1029 for profile cut to length services.

** See Compatibility Code information on page 152.

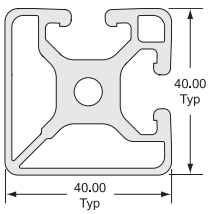
We specialize in FAST™ *same day shipments!*

Metric 40 Series, Smooth

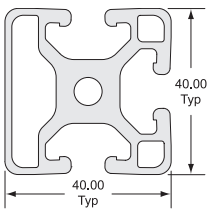
40-4001



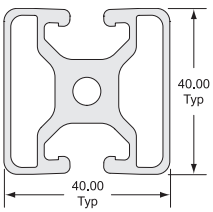
40-4002



40-4003



40-4004



Part No.	40-4001	40-4002	40-4003	40-4004
Material	6105-T5 Aluminum			
Finish	Clear Anodize #204-R1			
Modulus of Elasticity	70,326.5 N/mm^2			
Moment of Inertia	IX=8.5389 cm^4 IY=8.2599 cm^4	IX=8.6303 cm^4 IY=8.6303 cm^4	IX=9.0094 cm^4 IY=8.7284 cm^4	IX=8.6050 cm^4 IY=8.0430 cm^4
Estimated Area	5.9267 cm^2	6.1128 cm^2	6.3021 cm^2	5.9743 cm^2
Weight Per Meter	1.5946 kg/m	1.6447 kg/m	1.6956 kg/m	1.6074 kg/m
2° Drop-Lock Feature	yes	yes	yes	yes
Stock Length (s) *	4m or 6m	4m or 6m	4m or 6m	4m or 6m
Cut-to-Length Part No.	40-7010	40-7010	40-7010	40-7010
Compatibility Code **	8-40	8-40	8-40	8-40
Found on Page	670	671	672	673

* Refer to page 1029 for profile cut to length services.

** See Compatibility Code information on page 152.

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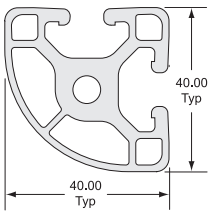
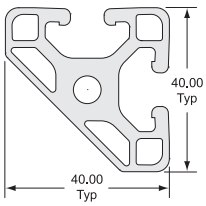
THE STANDARD

Metric 40 Series, Smooth

40-4030-Lite



40-4045-Lite



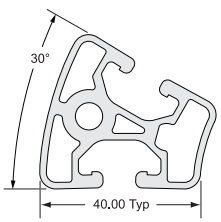
Part No.	40-4030-Lite	40-4045-Lite
Material	6105-T5 Aluminum	
Finish	Clear Anodize #204-R1	
Modulus of Elasticity	70,326.5 N/mm^2	
Moment of Inertia	IX=7.5559 cm^4 IY=7.5559 cm^4	IX=6.9992 cm^4 IY=7.0047 cm^4
Estimated Area	5.7820 cm^2	5.5658 cm^2
Weight Per Meter	1.5557 kg/m	1.4975 kg/m
2° Drop-Lock Feature	yes	yes
Stock Length (s) *	4m	4m or 6m
Cut-to-Length Part No.	40-7010	40-7010
Compatibility Code **	8-40	8-40
Found on Page	674	678

* Refer to page 1029 for profile cut to length services.

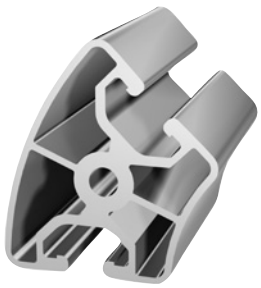
** See Compatibility Code information on page 152.

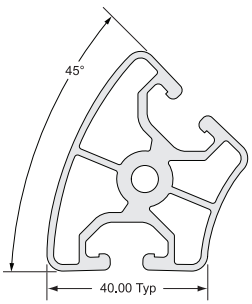
Metric 40 Series, Smooth

40-4093

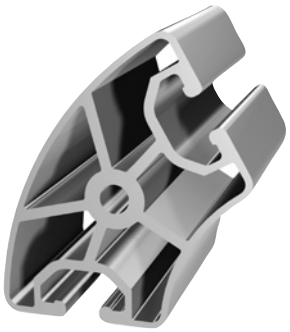


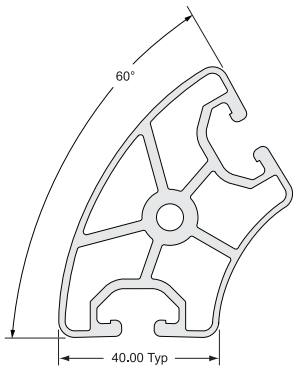
40-4094





40-4096





Part No.	40-4093	40-4094	40-4096
Material	6105-T5 Aluminum		
Finish	Clear Anodize #204-R1		
Modulus of Elasticity	70,326.5 N/mm^2		
Moment of Inertia	n/a	n/a	n/a
Estimated Area	4.7489 cm^2	6.3219 cm^2	7.7777 cm^2
Weight Per Meter	1.2727 kg/m	1.6943 kg/m	2.0844 kg/m
2° Drop-Lock Feature	yes	yes	yes
Stock Length (s) *	4m	4m	4m
Cut-to-Length Part No.	40-7020	40-7020	40-7020
Compatibility Code **	8-40	8-40	8-40
Found on Page	675	676	677

* Refer to page 1029 for profile cut to length services.

** See Compatibility Code information on page 152.

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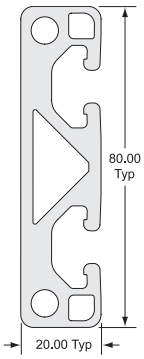
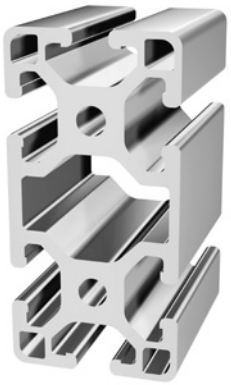
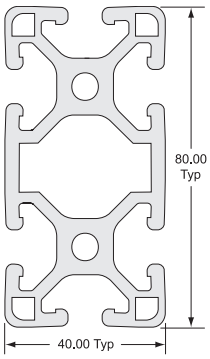
Metric 40 Series, Smooth

40-8020

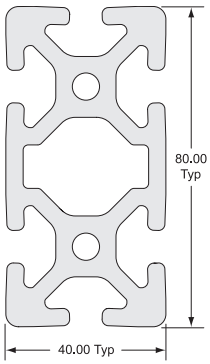


40-4080-Lite





40-4080



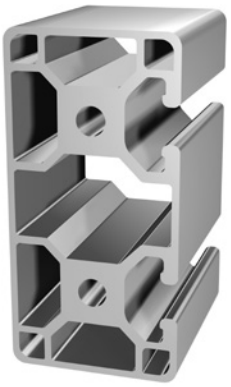
Part No.	40-8020	40-4080-lite	40-4080
Material	6105-T5 Aluminum		
Finish	Clear Anodize #204-R1		
Modulus of Elasticity	70,326.5 N/mm^2		
Moment of Inertia	IX=49.6610 cm^4 IY=3.7286 cm^4	IX=71.8927 cm^4 IY=18.7791 cm^4	IX=97.6618 cm^4 IY=25.2917 cm^4
Estimated Area	8.5335 cm^2	12.2178 cm^2	15.4345 cm^2
Weight Per Meter	2.2960 kg/m	3.2873 kg/m	4.1528 kg/m
2° Drop-Lock Feature	yes	yes	yes
Stock Length (s) *	4m	4m or 6m	4m or 6m
Cut-to-Length Part No.	40-7020	40-7020	40-7020
Compatibility Code **	8-40	8-40	8-40
Found on Page	680	681	682

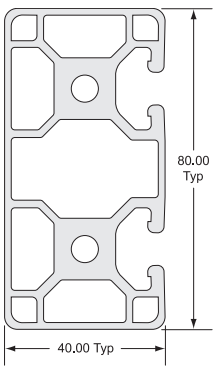
* Refer to page 1029 for profile cut to length services.

** See Compatibility Code information on page 152.

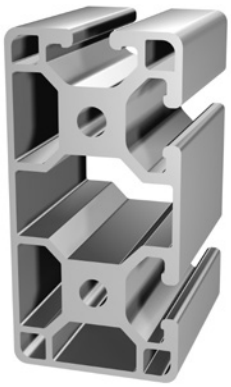
Metric 40 Series, Smooth

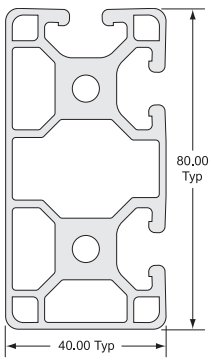
40-4082-Lite



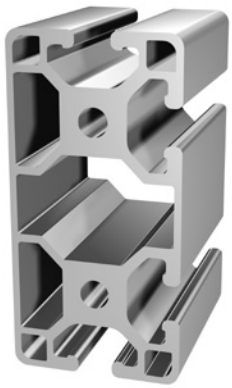


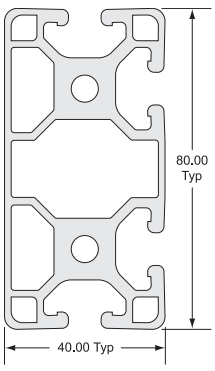
40-4083-Lite



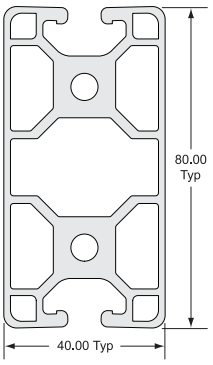


40-4084-Lite





40-4085-Lite



Part No.	40-4082-Lite	40-4083-Lite	40-4084-Lite	40-4085-Lite
Material	6105-T5 Aluminum			
Finish	Clear Anodize #204-R1			
Modulus of Elasticity	70,326.5 N/mm^2			
Moment of Inertia	IX=66.4788 cm^4 IY=16.3044 cm^4	IX=68.1908 cm^4 IY=16.4685 cm^4	IX=69.7266 cm^4 IY=16.6107 cm^4	IX=67.8370 cm^4 IY=15.9405 cm^4
Estimated Area	10.6928 cm^2	10.8608 cm^2	11.0053 cm^2	10.6264 cm^2
Weight Per Meter	2.8657 kg/m	2.9107 kg/m	2.9494 kg/m	2.8479 kg/m
2° Drop-Lock Feature	yes	yes	yes	yes
Stock Length (s) *	4m	4m	4m	4m
Cut-to-Length Part No.	40-7020	40-7020	40-7020	40-7020
Compatibility Code **	8-40	8-40	8-40	8-40
Found on Page	683	684	685	686

* Refer to page 1029 for profile cut to length services.

** See Compatibility Code information on page 152.

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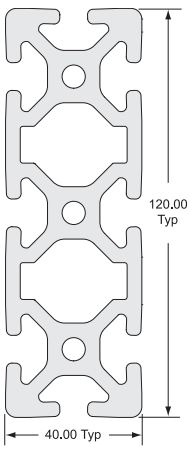
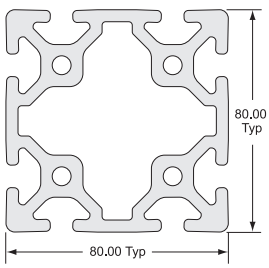
Metric 40 Series, Smooth

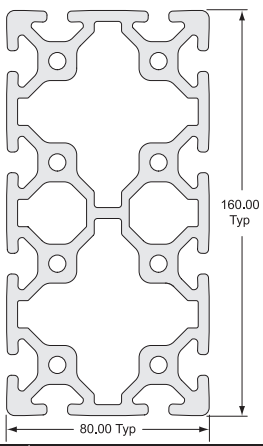
40-4012



40-8080



40-8016



Part No.	40-4012	40-8080	40-8016
Material	6105-T5 Aluminum		
Finish	Clear Anodize #204-R1		
Modulus of Elasticity	70,326.5 N/mm^2		
Moment of Inertia	IX=306.3198 cm^4 IY=36.8009 cm^4	IX=171.6341 cm^4 IY=171.6341 cm^4	IX=1111.9793 cm^4 IY=322.7985 cm^4
Estimated Area	22.1775 cm^2	23.8908 cm^2	44.0033 cm^2
Weight Per Meter	5.9671 kg/m	6.4280 kg/m	11.8395 kg/m
2° Drop-Lock Feature	yes	yes	yes
Stock Length (s) *	4m or 6m	4m or 6m	4m or 6m
Cut-to-Length Part No.	40-7021	40-7030	40-7023
Compatibility Code **	8-40	8-40	8-40
Found on Page	687	688	689

* Refer to page 1029 for profile cut to length services.

** See Compatibility Code information on page 152.

Introduction to 45 Series, Metric, Smooth

45 Series profiles are based on 45mm increments with 22.5mm centerlines. As a member of our metric line, 45 Series profiles feature smooth surfaces and range from 45mm x 45mm to 90mm x 90mm. 45 Series profiles provide the backbone for strong yet lightweight framing solutions such as work benches, enclosures, and displays.

- High grade 6105-T5 aluminum alloy with clear anodize finish
- A full offering of fastening methods and accessories
- 4 profiles to choose from
- Lightweight yet strong

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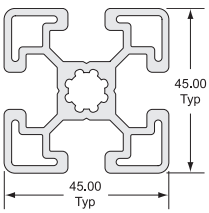
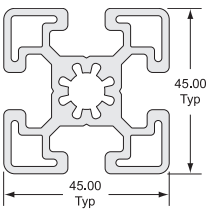
Metric 45 Series, Smooth

45-4545-Lite



45-4545



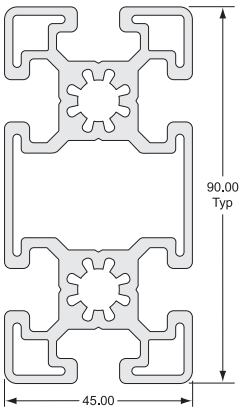
Part No.	45-4545-Lite	45-4545
Material	6105-T5 Aluminum	
Finish	Clear Anodize #204-R1	
Modulus of Elasticity	70,326.5 N/mm^2	
Moment of Inertia	IX=9.2029 cm^4 IY=9.2029 cm^4	IX=13.9604 cm^4 IY=13.9604 cm^4
Estimated Area	5.2652 cm^2	7.5651 cm^2
Weight Per Meter	1.5716 kg/m	2.3038 kg/m
2° Drop-Lock Feature	no	no
Stock Length (s) *	4m or 6m	4m or 6m
Cut-to-Length Part No.	45-7010	45-7010
Compatibility Code **	10-45	10-45
Found on Page	690	691

* Refer to page 1029 for profile cut to length services.

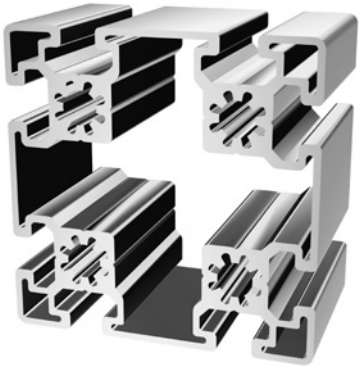
** See Compatibility Code information on page 152.

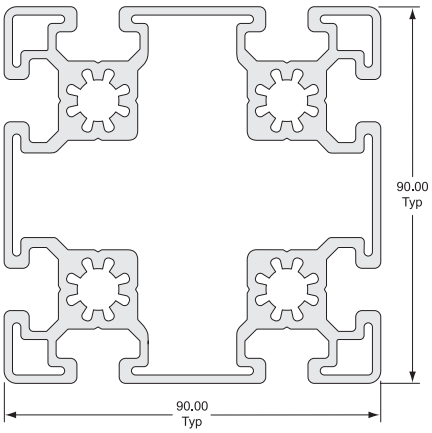
Metric 45 Series, Smooth

45-4590



45-9090





Part No.	45-4590	45-9090
Material	6105-T5 Aluminum	
Finish	Clear Anodize #204-R1	
Modulus of Elasticity	70,326.5 N/mm^2	
Moment of Inertia	IX=104.2073 cm^4 IY=25.2638 cm^4	IX=178.4969 cm^4 IY=179.4969 cm^4
Estimated Area	12.9484 cm^2	20.4683 cm^2
Weight Per Meter	3.5627 kg/m	5.6580 kg/m
2° Drop-Lock Feature	no	no
Stock Length (s) *	4m or 6m	4m or 6m
Cut-to-Length Part No.	45-7020	45-7030
Compatibility Code **	10-45	10-45
Found on Page	692	693

* Refer to page 1029 for profile cut to length services.

** See Compatibility Code information on page 152.

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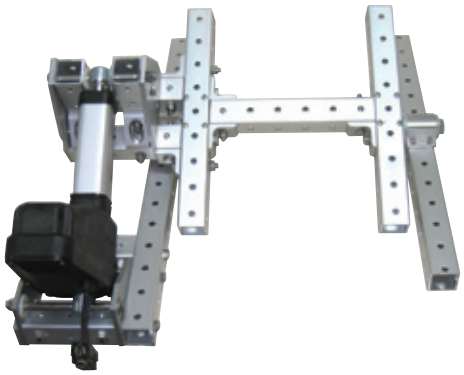
Introduction to Holey Tube Series, Smooth

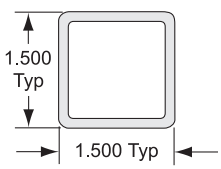
Holey Tube is an easy-to-assemble, cost-effective modular aluminum framing system that doesn't require machining. The pre-drilled holes allow for adjustability in your project. The lightweight Holey Tube system is perfect for projects such as carts, shelving, and gravity feed racks.

- Pre-drilled holes on 1.5" centerlines simplify design changes
- Compatible with 15 Series profiles and accessories
- Use standard fractional or metric hardware
- Clear anodized for corrosion protection
- 7 profiles to choose from

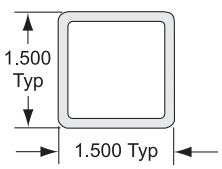


Holey Tube Series, Smooth

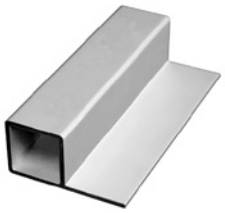
9700

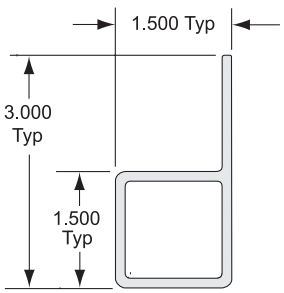


9701



9705





Part No.	9700	9701	9705
Material	6105-T5 Aluminum		
Finish	Clear Anodize #204-R1		
Weight Per Foot	.813 Lbs.	.813 Lbs.	1.043 Lbs.
Stock Length *	97", 145"	97", 145"	97", 145"
Estimated Area	.678 Sq. In.	.678 Sq. In.	.869 Sq. In.
Cut-to-Length Part No.	7010	7010	7020
Found on Page	1091	1091	1092

* Refer to page 1156 for profile cut to length services.

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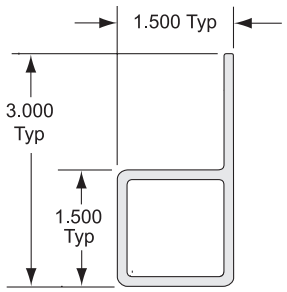
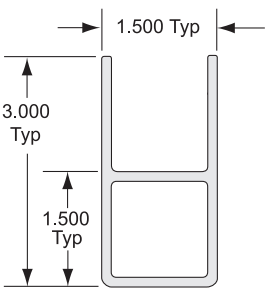
Holey Tube Series, Smooth

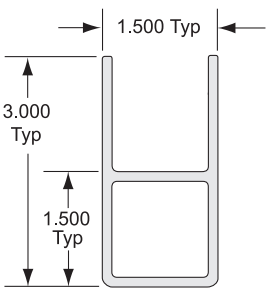
9706



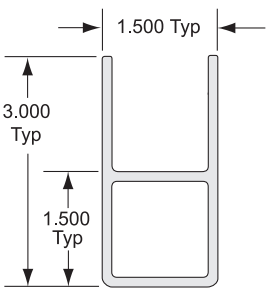
9725



9726



9728



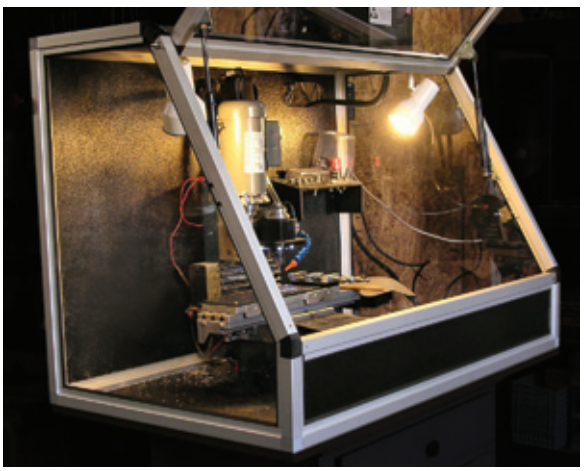
Part No.	9706	9725	9726
Material	6105-T5 Aluminum		
Finish	Clear Anodize #204-R1		
Weight Per Foot	1.043 Lbs.	1.272 Lbs.	1.272 Lbs.
Stock Length *	97", 145"	97", 145"	97", 145"
Estimated Area	.869 Sq. In.	1.061 Sq. In.	1.061 Sq. In.
Cut-to-Length Part No.	7020	7020	7020
Found on Page	1092	1093	1093

* Refer to page 1156 for profile cut to length services.

Introduction to Quick Frame Series, Smooth

Quick Frame is a simple, economical solution for light-duty framing applications. It is a boltless construction system which utilizes tough nylon connectors and only requires a mallet for assembly. Quick Frame does exactly what the name implies: it quickly becomes shelving, enclosures, cabinets, display cases, and more!

- Transition tees to connect Quick Frame to our 1010 profiles
- Tough, molded nylon connectors
- A variety of joint configurations
- Ideal for light-duty applications
- 7 profiles to choose from



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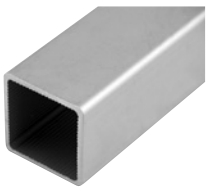
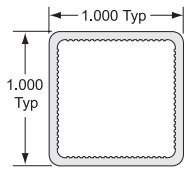
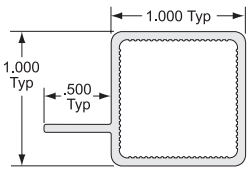
Quick Frame

9000
Square Tube

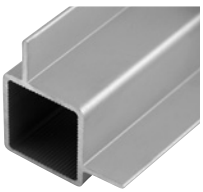


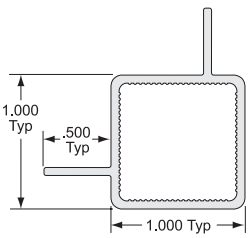


9005
Square Single Flanged Tube

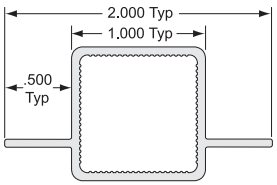


9010
Square Right Angle Double Flanged Tube





9015
Square Double Flanged Tube



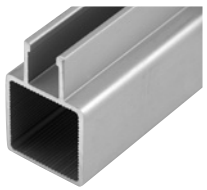
Part No.	9000	9005	9010	9015
Material	6105-T5 Aluminum			
Finish	Clear Anodize #204-R1			
Weight Per Foot	.258 Lbs.	.302 Lbs.	.390 Lbs.	.390 Lbs.
Stock Length *	145"	145"	145"	145"
Cut-to-Length Part No.	7310	7310	7310	7310
Found on Page	1169	1169	1169	1169

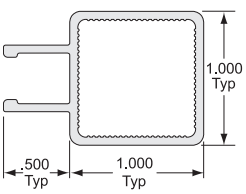
* Refer to page 1211 for profile cut to length services.

We specialize in FAST™ *same day shipments!*

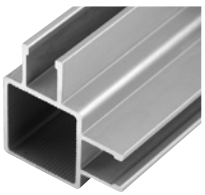
Quick Frame

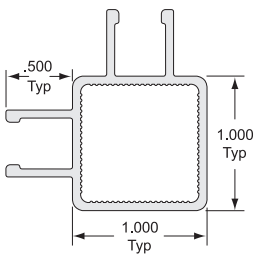
9025
Square Single Twin Flanged Tube



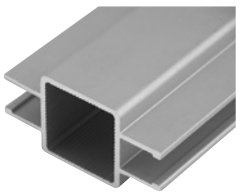


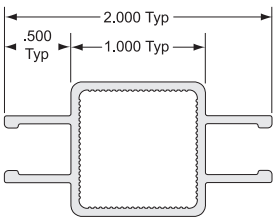
9030
Square Right Angle Double Twin Flanged Tube





9035
Square Double Twin Flanged Tube





Part No.	9025	9030	9035
Material	6105-T5 Aluminum		
Finish	Clear Anodize #204-R1		
Weight Per Foot	.354 Lbs.	.426 Lbs.	.426 Lbs.
Stock Length *	145"	145"	145"
Cut-to-Length Part No.	7310	7310	7310
Found on Page	1170	1170	1170

* Refer to page 1211 for profile cut to length services.

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Introduction to Structural Shapes

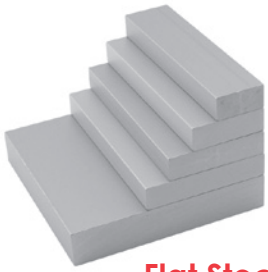
Structural Shapes are offered to truly facilitate your one-stop-shop framing needs. A wide variety of shapes including flat stock, tube, angles, and hinge profiles are offered in full lengths, cut-to-length, or custom machined to your specifications.

- Our full service, high quality machine shop turns Structural Shapes into solutions
- Custom design plates, hinges, brackets, and bearings
- Available in mill-finish or clear anodized
- Hundreds of profiles to choose from — fractional and metric
- No minimum order quantity

Examples of custom-machined parts
made from 80/20 Structural Shapes

Please refer to Section 2 in **Fractional** or **Metric** for
our entire Structural Shape offering.

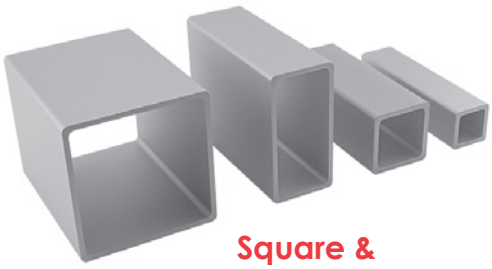
Structural Shapes - See Section 2 for more details



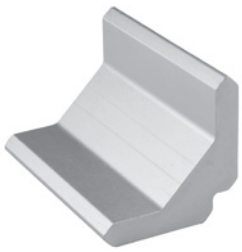
Flat Stock

Aluminum Plate

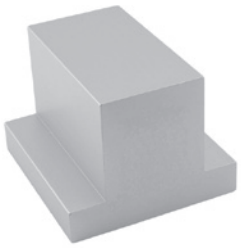
Solid Aluminum Blocks



Square & Rectangular Tubes



Inside Corner Connector Profiles

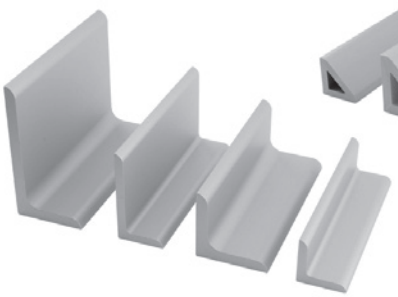


Stanchion Profiles

Aluminum Tube

Steel Tube
Ground & Polished

Carbon Steel Tube
Turned, Ground & Polished



Angle Profiles

45° Gusset Profiles

Deadbolt Latch Profiles

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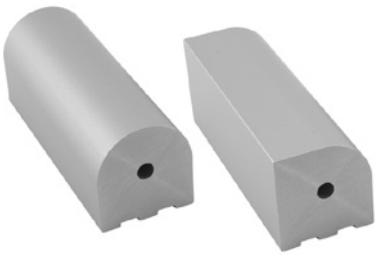
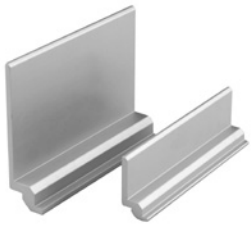
Structural Shapes

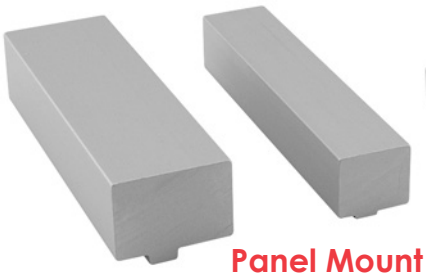


Pivot Nub Profiles
Standard & Right Angle

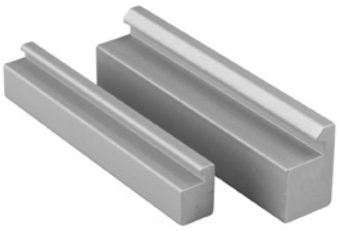
Hinge Profiles



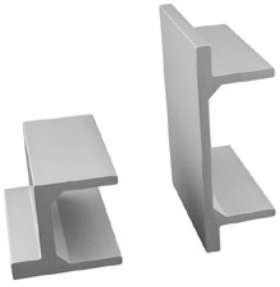
Drop In Panel Bracket Profiles



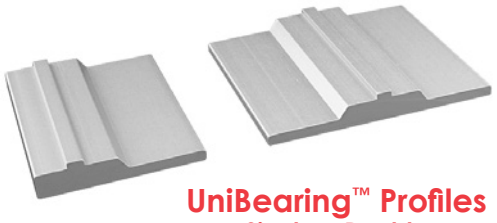
Panel Mount Block Profiles



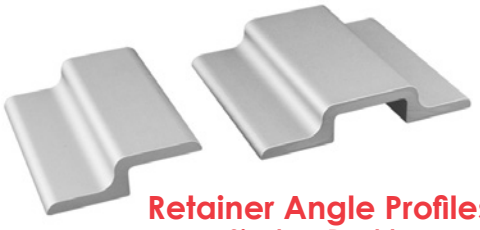
Clamp Block Profiles



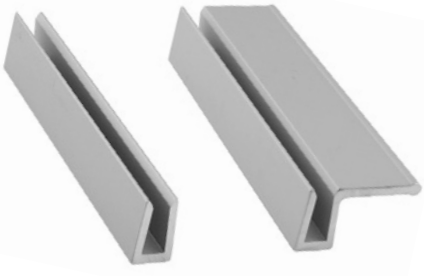
Flange Bearing Profiles



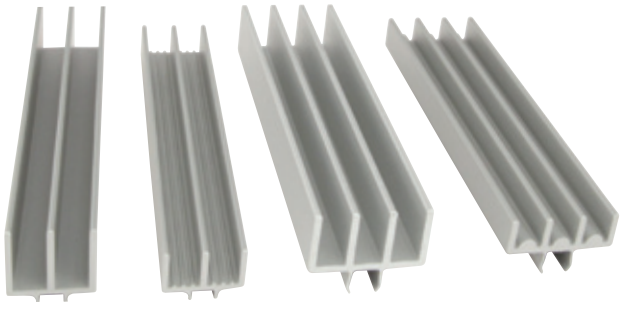
UniBearing™ Profiles
Single & Double



Retainer Angle Profiles
Single & Double



Panel Stiffener Profiles
with or without Handle



Door Slide Track Profiles

Introduction to Panels

80/20 offers a wide variety of panel materials for many different uses. Panels can be ordered in stock sheet size, cut to size (we don't charge for the drop), or intricately machined to your specifications. Refer to Section 6 for all the details.

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Panels

Expanded PVC

Polycarbonate

Acrylic

Recycled Polycarbonate

AR (Abrasion Resistant) Polycarbonate

HDPE

Twin Wall Polycarbonate

Alumalite

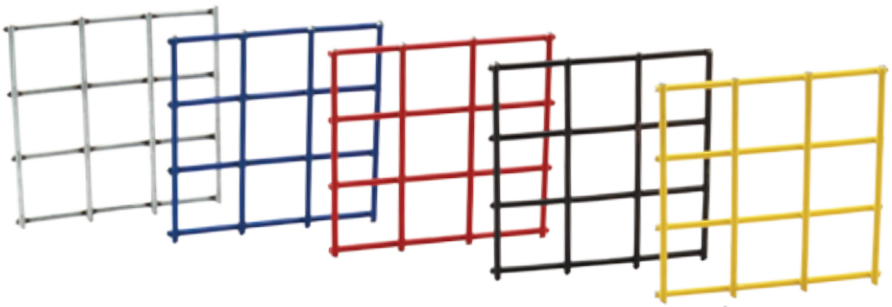
Kydex

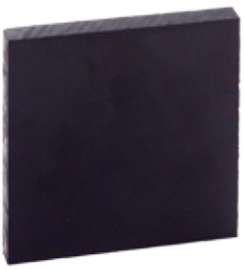
Panels

Aluminum Plate

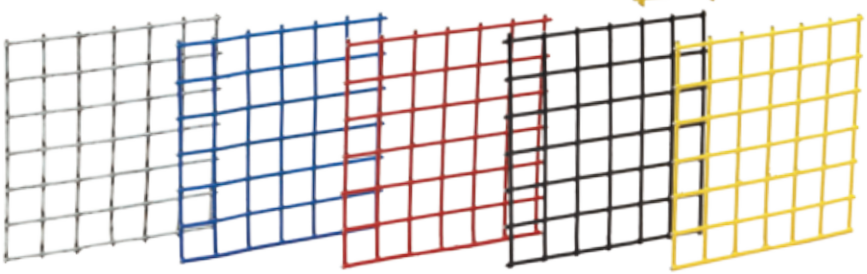
Expanded Metal

Alucobest





ABS Haircell



Wire Mesh

Thermoplastic Coated Wire Mesh

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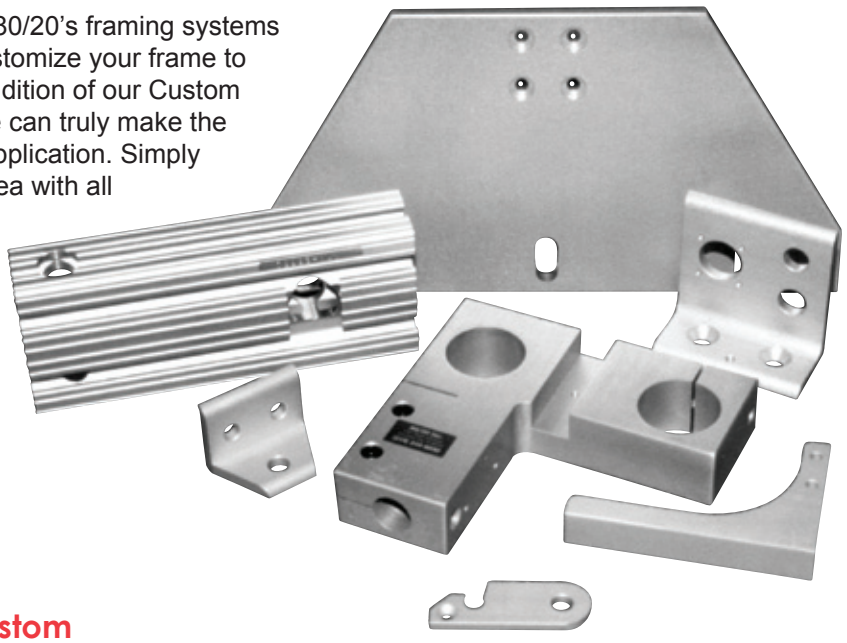
Custom Machining Services by 80/20®

The unique modularity of 80/20's framing systems gives you the ability to customize your frame to fit your needs. With the addition of our Custom Machining capabilities, we can truly make the perfect solution for your application. Simply submit a sketch of your idea with all required dimensions, and our expert design assistance team will create your part in AutoCAD® and give you an exact quote and turnaround time.



Benefits of 80/20 Custom Machining Services Include:

- Free project design assistance, and a free quote of your custom machined part
- Quick turnaround time with our full-service custom machining department
- Choice of hundreds of materials in stock, or we'll order what you need
- Quickly and easily customize any standard profile or structural shape, or modify an existing part from the 80/20 catalog
- 80/20's Custom Machining services are very cost-effective—we'll save you time AND money
- No minimums: we'll custom-machine as few as one (1) part, if that's what you need
- We can also engrave serial numbers, tracking numbers or text into any of our aluminum products or panels

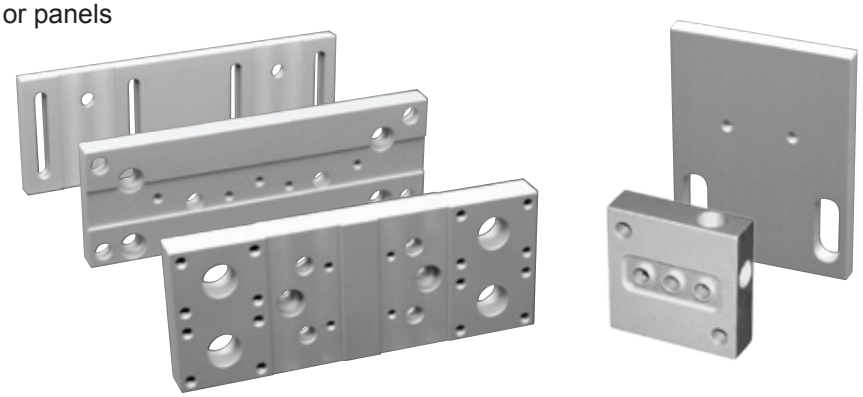


Table of Contents for 80/20 Catalog 18

Fractional Series

SECTION 1 FRACTIONAL PROFILES — Pages 147-202
SECTION 2 STRUCTURAL SHAPES — Pages 203-220
SECTION 3 FASTENING OPTIONS — Pages 221-260
SECTION 4 JOINING PLATES — Pages 261-332
SECTION 5 DYNAMIC PIVOTS — Pages 333-348
SECTION 6 PANELS & DOORS — Pages 349-432
SECTION 7 ACCESSORIES — Pages 433-456
SECTION 8 FLOOR TO FRAME — Pages 457-496
SECTION 9 LINEAR MOTION — Pages 497-532
SECTION 10 STANCHIONS — Pages 533-548
SECTION 11 TOOLS — Pages 549-558
SECTION 12 MACHINING SERVICES — Pages 559-608
SECTION 13 AUTO QUOTERX — Pages 609-634

Metric Series

SECTION 1 METRIC PROFILES — Pages 637-694
SECTION 2 STRUCTURAL SHAPES — Pages 695-710
SECTION 3 FASTENING OPTIONS — Pages 711-752
SECTION 4 JOINING PLATES — Pages 753-814
SECTION 5 DYNAMIC PIVOTS — Pages 815-830
SECTION 6 PANELS & DOORS — Pages 831-914
SECTION 7 ACCESSORIES — Pages 915-938
SECTION 8 FLOOR TO FRAME — Pages 939-978
SECTION 9 LINEAR MOTION — Pages 979-1014
SECTION 10 TOOLS — Pages 1015-1024
SECTION 11 MACHINING SERVICES — Pages 1025-1078

Holey Tube Series

SECTION 1 HT PROFILES — Pages 1079-1096
SECTION 2 FASTENING OPTIONS — Pages 1097-1102
SECTION 3 JOINING PLATES — Pages 1103-1108
SECTION 4 PANELS & DOORS — Pages 1109-1128
SECTION 5 ACCESSORIES — Pages 1129-1142
SECTION 6 FLOOR TO FRAME — Pages 1143-1154
SECTION 7 MACHINING SERVICES — Pages 1155-1164

Quick Frame Series

SECTION 1 PROFILES — Pages 1165-1170
SECTION 2 CONNECTORS — Pages 1171-1184
SECTION 3 PANELS & DOORS — Pages 1185-1202
SECTION 4 FLOOR TO FRAME — Pages 1203-1208
SECTION 5 MACHINING SERVICES — Pages 1209-1214

80/20® Inc.
*The **Industrial** Erector Set®*
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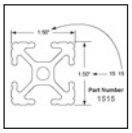
Pictorial Table Of Contents - Fractional

SECTION 1
FRACTIONAL PROFILES
Pages 147-202

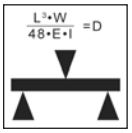
How To Order

Page 149

Introduction To 80/20® Profiles

Pages 150-152

Material Strength

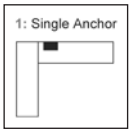
Page 153

Beam Deflection


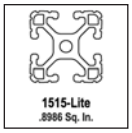
Page 154

Torque Specifications

Page 155

Fastener Application Test


Page 155

Profile Specifications


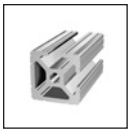
Pages 156-158

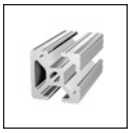
1010 Profile

Page 159

1001 Profile

Page 160

1002 Profile

Page 161

1003 Profile

Page 162

1004 Profile

Page 163

1012 Profile

Page 164

1050 Profile

Page 165

2012 Profile

Page 166

1020 Profile

Page 167

1030 Profile

Page 168

2020 Profile

Page 169

2040 Profile

Page 170

1515-ULS Profile

Page 171

1515-UL Profile

Page 172

1515-LS Profile

Page 173

1515-Lite Profile

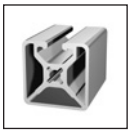
Page 174

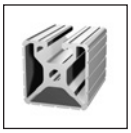
1515-S Profile

Page 175

1515 Profile

Page 176

1501-LS Profile

Page 177

1501 Profile

Page 178

1502-LS Profile

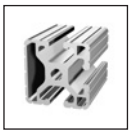
Page 179

1502 Profile

Page 180

1503-LS Profile

Page 181

1503 Profile

Page 182

1504-LS Profile

Page 183

1504 Profile

Page 184

1547 Profile

Page 185

1517-LS Profile

Page 186

1517 Profile

Page 187

1575 Profile

Page 188

1534-Lite Profile

Page 189

3075 Profile

Page 190

3034-Lite Profile

Page 191

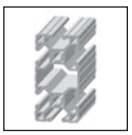
1530-ULS Profile

Page 56

Pictorial Table Of Contents - Fractional

1530-LS Profile

Page 192

1530-UL Profile

Page 57

1530-Lite Profile

Page 193

1530-S Profile

Page 194

1530 Profile

Page 195

1545-S Profile

Page 196

1545 Profile

Page 197

3030-LS Profile

Page 198

3030-Lite Profile

Page 199

3030-S Profile

Page 200

3030 Profile

Page 201

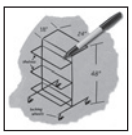
3060 Profile

Page 202

SECTION 2
STRUCTURAL SHAPES
Pages 203-220

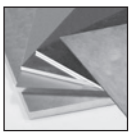
How To Order

Page 204

Requesting A Quote

Page 205

Flat Stock

Page 206

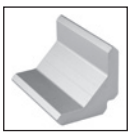
Solid Aluminum Plate

Page 207

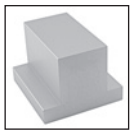
Block Profiles

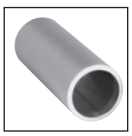
Page 207

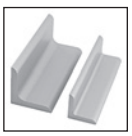
Square & Rectangle Tubes

Page 208

Corner Connector Profiles

Page 208

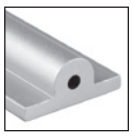
Stanchion Profiles

Page 209

Round Stock

Page 210

Angled Profiles

Page 211

45º Gusset Profiles

Page 212

Deadbolt Latch Profiles

Page 212

Standard Pivot Nub Profiles

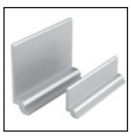
Page 213

Right Angle Pivot Nub Profiles

Page 213

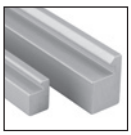
Hinge Profiles

Page 214

Drop In Panel Bracket Profiles

Page 214

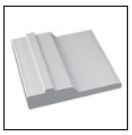
Panel Mount Block Profiles

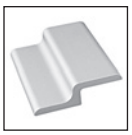
Page 215

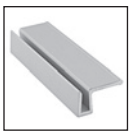
Clamp Block Profiles

Page 215

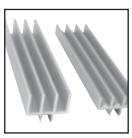
Linear Bearing Profiles

Page 216

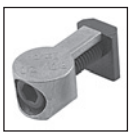
UniBearing™ Profiles

Page 217

Retainer Angle Profiles

Page 218

Panel Stiffener Profiles

Page 219

Door Slide Track Profiles

Page 220

SECTION 3
FASTENING OPTIONS
Pages 221-260

Introduction To 80/20® Fasteners

Pages 222-223

How To Order

Page 224

Fractional Fastener Standards

Page 225

Fastener Tool Size Reference

Page 225

Slide-In Economy T-Nuts

Page 226

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

Pictorial Table Of Contents - Fractional

Double Slide-In Economy T-Nuts

Page 227

Triple Slide-In Economy T-Nuts

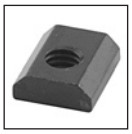
Page 228

Economy T-Nut Holding Springs

Page 229

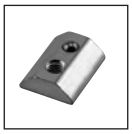
Slide-In Economy T-Slot Studs

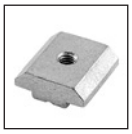
Page 229

Slide-In T-Nuts

Page 230

Slide-In T-Nuts with Ball Spring

Page 231

Slide-In T-Nuts with Ball Spring

Page 231

Slide-In T-Nuts

Page 232

Economy Slide-In T-Nuts

Page 232

Roll-In T-Nuts with Flex Handle

Page 233

Roll-In T-Nuts with Set Screw

Page 234

Roll-In T-Nuts with Ball Spring

Page 235

Roll-In T-Nuts with Ball Spring

Page 236

Roll-In T-Nuts

Page 237

Roll-In T-Nuts with Spring Leaf

Pages 237-238

Drop-In T-Nuts

Page 238

Drop-In T-Nuts

Page 239

Drop-In T-Studs

Page 240

Hidden Corner Connectors

Page 241

Anchor Fasteners

Page 242

Double Anchor Fasteners

Page 243

Butt Fasteners

Page 244

Central Connectors

Page 244

Standard End Fasteners

Page 245

Double End Fasteners

Page 246

Single Tab End Fasteners

Page 246

Miter Connector

Page 247

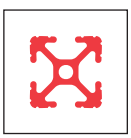
90° Inside Corner Connector

Page 248

Bolt Assemblies & Components

Pages 249-259

SECTION 4
JOINING PLATES
Pages 261-332

Legend Of Icons

Page 262

How To Order

Page 263

Bolt Pattern Dimensions

Page 264

Bolt Kit Tables

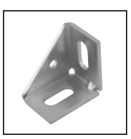
Pages 265-268

2 Hole Corner Brackets

Page 269

2 Hole Slotted Corner Brackets

Page 270

2 Hole Inside Corner Bracket

Page 270

2 Hole Inside Corner Bracket

Page 271

Cover Cap for Inside Corner Bracket

Page 271

2-Hole Inside Corner Brackets

Page 272

Cover Caps for Inside Corner Brackets

Page 272

2 Hole Transition Brackets

Page 273

Pictorial Table Of Contents - Fractional

3 Hole Corner Brackets

Page 274

3 Hole Slotted Corner Brackets

Page 274

4 Hole Corner Brackets

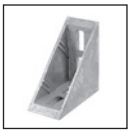
Pages 275-276

4 Hole Slotted Corner Brackets

Page 276

4 Hole Inside Corner Brackets

Page 277

4 Hole Inside Corner Brackets

Page 278

Cover Cap for Inside Corner Bracket

Page 278

4 Hole Transition Brackets

Pages 279-280

6 Hole Corner Brackets

Pages 281-283

6 Hole Slotted Corner Brackets

Page 282

8 Hole Transition Brackets

Page 284

8 Hole Corner Brackets

Page 285

9 Hole Slotted Corner Brackets

Page 285

10 Hole Corner Brackets

Page 286

12 Hole Corner Brackets

Pages 286-287

18 Hole Corner Brackets

Page 287

2, 4 & 8 Hole Corner Gussets

Pages 288-289

2 & 3 Hole Joining Strips

Page 290

4 Hole Joining Strips & Plates

Page 291

6 & 8 Hole Joining Plates

Page 292

4 & 5 Hole 90º Joining Plates

Page 293

6 Hole 90º Joining Plates

Page 294

7 Hole 90º Joining Plates

Page 295

9 Hole 90º Joining Plates

Page 296

10 Hole 90º Joining Plates

Page 296

12 Hole 90º Joining Plates

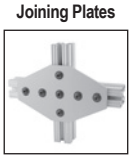
Page 297

Clamp Blocks

Page 297

Tee Joining Plates

Pages 298-301

Cross Joining Plates

Pages 302-303

15º Angle Joining Plates

Page 304

30º Angle Joining Plates

Page 305

45º Angle Joining Plates

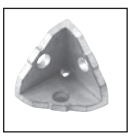
Page 306

60º Angle Joining Plates

Page 307

Tri-Corner Connectors

Page 308

3 Way Corner Bracket

Page 309

Cover Cap for 3 Way Corner Bracket

Page 309

5 Hole "L" & "T" Joining Plates

Page 310

90º Inside Corner Connectors

Page 311

2 Hole Transition Strips

Pages 312-313

3 Hole Transition Strips

Pages 313-314

4 Hole Transition Strips

Pages 314-316

4 Hole Transition Plates

Page 315

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

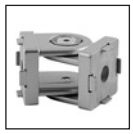
Pictorial Table Of Contents - Fractional

6 Hole Transition Strips

Pages 316-317

8 Hole Transition Strips

Page 317

Pivot Joints

Page 318

3 Hole Pivot Plates

Pages 319-320

5 Hole Pivot Plates

Pages 320-321

Standard Pivot Nubs

Pages 321-322

Right Angle Pivot Nubs

Pages 323-324

Pivot Arms

Pages 324-325

Standard Pivot Assemblies

Pages 326-327

Right Angle Pivot Assemblies

Pages 328-329

45º Supports

Pages 330-331

SECTION 5
DYNAMIC PIVOTS
Pages 333-348

How To Order

Page 334

Living Hinge Assemblies

Pages 335-336

0º Living Nub

Page 337

90º Living Nub

Page 337

Universal Living Nub

Page 338

Straight Pivot Arm

Page 338

"L" Pivot Arm

Page 339

Right Angle Living Hinge Assemblies

Pages 340-341

0º Right Angle Living Nub

Page 342

90º Right Angle Living Nub

Page 342

Universal Right Angle Living Nub

Page 343

Straight Pivot Arm

Page 343

"L" Pivot Arm

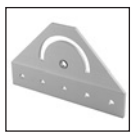
Page 344

90º Pivot Brackets

Page 345

90º Pivot Bracket Assemblies

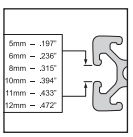
Page 346

180º Pivot Brackets

Page 347

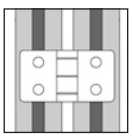
180º Pivot Bracket Assemblies

Page 348

SECTION 6
PANELS & DOORS
Pages 349-432

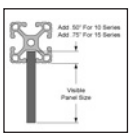
Compatibility Code


Page 351

T-Slot Hinges Introduction

Pages 352-353

How To Order

Page 354

Sizing & Drawing Panels

Page 355

Standard Lift-Off Hinges

Pages 356-357

Economy Lift-Off Hinges

Page 358

Plastic Lift-Off Hinges

Pages 359-360

Plastic Double Lift-Off Hinges

Page 360

Stainless Steel Lift Off Hinges

Page 361

Standard 2-D Hinges

Page 361

Adjustable Hinges

Page 362

Detent Hinges

Page 363

Pictorial Table Of Contents - Fractional

Detent Positioning Hinge

Page 364

Aluminum Hinges

Page 365

Plastic Standard Hinges

Page 366

Plastic Standard Hinges

Page 367

Plastic Standard Hinges

Page 367

Standard Hinges

Page 368

Stainless Steel Standard Hinges

Page 368

Combination Hinges

Page 369

Standard Hinges

Page 370

Standard Hinges w/Locking Lever

Page 370

Standard Panel Hinges

Page 371

Glass Panel Holders

Page 372

Plastic Door Handles

Page 373

Aluminum Cabinet Handles

Page 374

Offset Handles

Page 375

Flush Handles

Page 376

Steel Door Handles

Page 377

Ergonomic Handles

Page 378

Aluminum Panel Handles

Page 379

Locking Grabber Handles

Page 380

Deluxe Door Handles

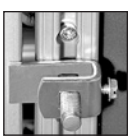
Page 381

Mating Inside Door Handles

Page 381

Furniture Handles

Page 382

Pawl Kits

Page 383

Slam Latches

Page 384

Velcro® Latches

Page 385

Deadbolt Latches

Pages 386-387

Grabber™ Door Catches

Page 388

Grabber™ Catch Mounting Plates

Page 389

Magnetic Door Catches

Page 390

Nylon Magnetic Catches

Page 391

Nylon Ball Catches

Page 392

Double Ball Catches

Page 393

Tension Ball Latch

Page 394

Sliding Door Locks

Page 395

Sliding Door Glides

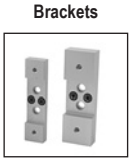
Page 395

Bi-Fold Door Hangers

Page 396

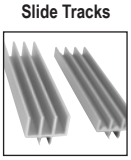
Roller Wheels

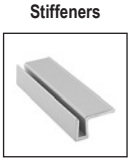
Pages 397-398

Roller Wheel Brackets

Page 399

Roller Wheel Assemblies

Page 400

Door Slide Tracks

Page 401

Panel Stiffeners

Page 402

80/20® Inc.
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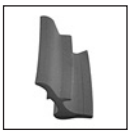
THE STANDARD

Pictorial Table Of Contents - Fractional

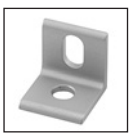
Panel Gaskets

Pages 403-405

Rubber Door Seals

Page 406

Panel Mount Blocks

Page 407

Panel Mount Brackets

Page 408

Plastic Panel Mount Block w/ Square Nut

Page 409

Panel Mount Block 1/4 Turn w/ Square Nut

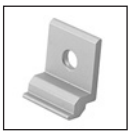
Page 410

Spacers for Panel Mount Blocks

Page 411

Quick Change Panel Clamps

Page 412

Drop-In Panel Brackets

Page 413

Single Panel Retainers

Page 414

Double Panel Retainers

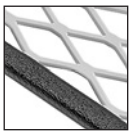
Page 415

Single Mesh Retainers

Pages 416-417

Double Mesh Retainers

Pages 418-419

Wire Edge

Page 420

Acrylic Panels

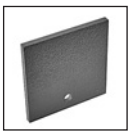
Page 421

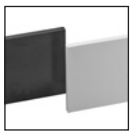
AR Polycarb Panels

Page 421

Polycarbonate Panels

Page 422

ABS Haircell Panels

Page 423

Impact Resistant Panels

Page 423

Expanded PVC Panels

Page 424

Alucobest Panels

Page 425

Alumalite® Panels

Page 425

Twin Wall Polycarb Panels

Page 426

HDPE Panels

Page 427

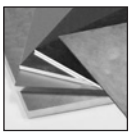
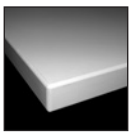
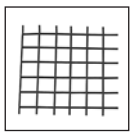
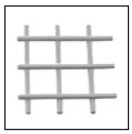
Aluminum Panels

Page 428

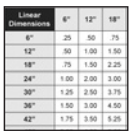
Table Tops

Page 428

Expanded Metal Panels

Page 429

Wire Mesh Panels

Page 430

PVC Coated Wire Mesh Panels

Page 431

Panel Area Chart

Page 432

SECTION 7 ACCESSORIES
Pages 433-456

Introduction To Accessories

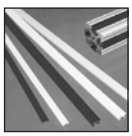
Page 434

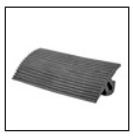
How To Order

Page 435

End Caps

Page 436

T-Slot Covers

Page 437

T-Slot Tread Strips

Page 438

Gravity Roller Mounting Block

Page 438

Wiring Duct

Page 439

Cable Ties

Page 439

Cable & Tube Clips

Page 440

Cable Mount Blocks

Page 441

Nylon T-Slot Nut

Page 441

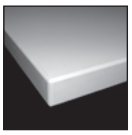
Pictorial Table Of Contents - Fractional

Anodize Breaker

Page 442

Grounding Terminal

Page 442

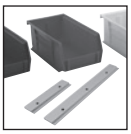
Laminated Table Tops & Kits

Page 443

Cart Guard®

Page 444

Cart Guard® Corners

Page 445

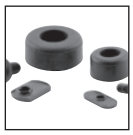
AkroBins®

Page 446

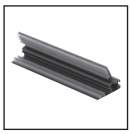
Tool Hangers

Page 447

Spring Snap Hook

Page 447

Rubber Bumpers

Page 448

Plastic Document Holders

Page 449

Label Holders

Page 449

Tube and Wire Clamps

Page 450

Pressure Manifold Plates

Pages 451-453

T-Slot Velcro® Fastener

Page 454

Push-In Fasteners

Page 454

Power Strips

Page 455

SECTION 8
FLOOR TO FRAME
Pages 457-496

How To Order

Page 458

Threaded Stem Swivel Casters

Page 459

Furniture Style Casters

Page 460

Flange Mount Casters

Page 461

Triangular Top Plate Casters

Page 462

Deluxe Flange Mount Casters

Page 463

Flange Mount Caster Base Plates

Page 464

Heavy-Duty Flange Mount Casters

Page 465

HD Flange Mount Caster Base Plates

Page 466

Leveling Casters

Page 467

Leveling Caster Base Plates

Page 468

Position Floor Locks

Page 469

Position Floor Locks

Pages 470-471

Position Floor Lock Base Plates

Page 472

Furniture Style Glides

Page 473

Economy Furniture Style Glides

Page 474

Large Base Glides

Page 475

Mighty Mount™

Page 476

Economy Anti-Vibration Mounts

Page 477

Deluxe Leveling Feet

Page 478

Economy Leveling Feet

Page 479

10 Series Base Plates

Pages 480-481

15 Series Base Plates

Pages 482-483

10 Series Leveling Base Plates

Pages 484-485

15 Series Leveling Base Plates

Pages 486-487

80/20® Inc.
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THE STANDARD

Pictorial Table Of Contents - Fractional

Base for Swivel Feet

Page 488

Base for Swivel Feet

Page 488

Threaded Stems for Swivel Feet

Page 489

Extended Base for Swivel Feet

Page 490

Trapezoid Base for Swivel Feet

Page 490

Ball Joint 15 for Swivel Feet

Page 491

Trapezoid Base Anchor

Page 491

Wedge Floor Anchors

Page 492

Floor Brackets

Page 493

Adjustable Floor Brackets

Page 494

Floor Mount Base Plates

Page 495

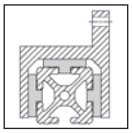
Econ Floor Mount Base Plates

Page 496

SECTION 9
LINEAR MOTION
Pages 497-532

How To Order

Page 498

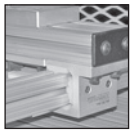
Bearing Guiderail System Concept

Page 499

Single Flange Bearings

Page 500

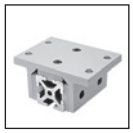
Double Flange Bearings

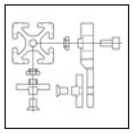
Pages 501-502

High-Cycle Bearing Concept

Page 503

High-Cycle Single Flange Bearings

Page 504

High-Cycle Double Flange Bearings

Pages 505-506

UniBearing™ Bearing Concept

Pages 507-509

Single UniBearing™ Bearings

Page 510

Double UniBearing™ Bearings

Page 511

UniBearing™ Bearing Assemblies

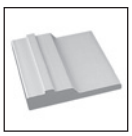
Page 512

Custom Linear Bearings

Page 513

Flanged Bearing Profiles

Page 514

UniBearing™ Profiles

Page 515

Standard Bearing Pads

Page 516

Top-Mount Bearing Pads

Page 517

High-Cycle Bearing Pads

Page 518

Linear Bearing Shim Stock

Page 519

UniBearing™ Bearing Pads

Pages 520-521

Custom Bearing Pad Profiles

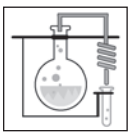
Page 522

Engineering Specifications

Page 523

Load Bearing Properties

Page 524

Chemical Resistance

Page 525

Linear Bearing Brake Kits

Page 526

Linear Bearing Brake Holes

Page 527

Roller Wheels

Pages 528-529

Roller Wheel Brackets

Page 530

Roller Wheel Assemblies

Page 531

SECTION 10
STANCHIONS
Pages 533-548

Pictorial Table Of Contents - Fractional

How To Order

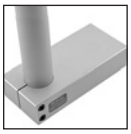
Page 534

Single Shaft Bases

Page 535

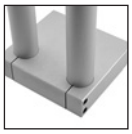
Double Shaft Bases

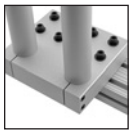
Page 536

Single Shaft Blank Plates

Page 537

Single Shaft Pre-Drilled Plates

Page 538

Double Shaft Blank Plates

Page 539

Double Shaft Pre-Drilled Plates

Page 540

Stanchion Cross Clamp

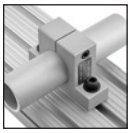
Page 541

Single Shaft Mounting Block

Page 542

Double Shaft Mounting Block

Page 543

Single Horizontal Base

Page 544

Double Horizontal Base

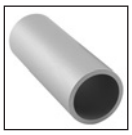
Page 545

Horizontal Quick Clamp

Page 546

Quick Cross Clamp

Page 547

Tube Stock

Page 548

SECTION 11 TOOLS
Pages 549-558

Introduction to Tools

Page 550

How to Order

Page 551

Ball End Fold Out Combo Tool

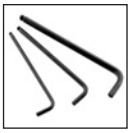
Page 552

Ball Driver & "L" Wrench Set

Page 552

Ball End Power Bits

Page 553

Bal End "L" Hex Wrenches

Page 553

Cheater Pipe

Page 554

Ball End Hex Drivers

Page 554

"T" Ball End Hex Wrench

Page 555

Combination Wrenches

Page 555

Six Lobe Tools

Page 556

Ball End Hex Socket

Page 556

Access Hole Drills

Page 557

Access Hole Drill Jigs

Page 557

Counterbore Cutters

Page 558

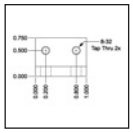
Soft Face Mallet

Page 558

Attitude Lapel Pins

Page 558

SECTION 12 MACHINING SERVICES
Pages 559-608

Custom Machining

Page 560

How To Order

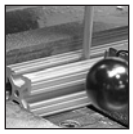
Pages 561-562

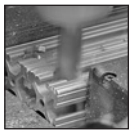
Cut To Length

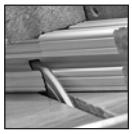
Page 563

End Tap Drilling

Page 564

Access Hole Drilling

Pages 565-566

Counterbore Drilling

Pages 567-568

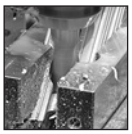
Custom Miter Cuts

Pages 568-569

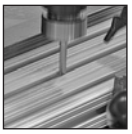
Custom 45º Supports

Page 570

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

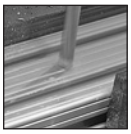
Pictorial Table Of Contents - Fractional

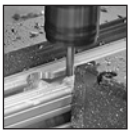
Miter Cut Counterbores

Page 571

Clearance Drill Thru

Pages 572-573

Drill Thru & Counterbore

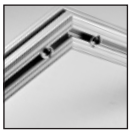
Page 574

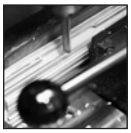
Profile Drill Thru For Manifolds

Page 575

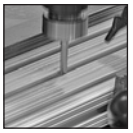
Door Handle Milling Services

Pages 576-577

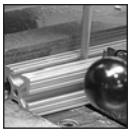
Brake Holes For Linear Bearings

Page 578

Machine for Miter Connector

Page 579

Economy T-Nut Clearance

Page 580

Drill for Central Connector

Page 581

Drill for Slam Latch

Page 582

Panel Cutting Service

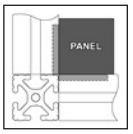
Page 583

Wire Mesh Shearing

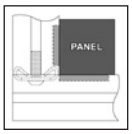
Page 583

Thick Plastic Panel Routing

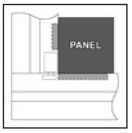
Page 584

Profile Clearance Panel Notch


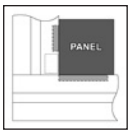
Page 585

End Fastener Panel Notch


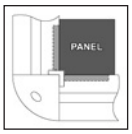
Page 586

Anchor Fastener Panel Notch


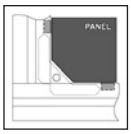
Page 587

Central Connector Panel Notch


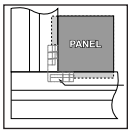
Page 588

Tri-Corner Panel Notch


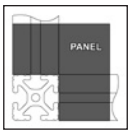
Page 589

Corner Connector Panel Notch


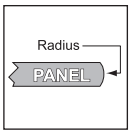
Page 590

Hidden Connector Panel Notch


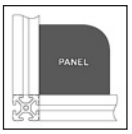
Page 591

Extended Panel Notch


Page 592

Edge Radius Services


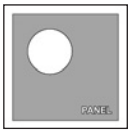
Page 593

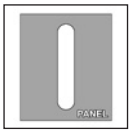
Corner Radius Services


Page 594

Grabber™ Catch Panel Notch

Page 595

Grabber™ Handle Panel Drill Thru

Page 596

Flush Handle Panel Drill Thru

Page 597

Hinge Panel Drill Thru

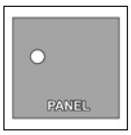
Page 598

Plastic Handle Panel Drill Thru

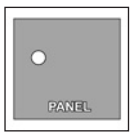
Page 599

Steel Door Handle Panel Drill Thru

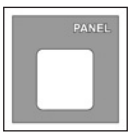
Page 599

Panel Mount Block Panel Drill Thru


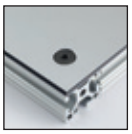
Page 600

Panel Retainer Panel Drill Thru


Pages 600-601

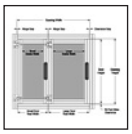
2, 3, and 4 Side Panel Cut-Outs


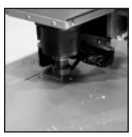
Page 602

Flush Mount Panel Service

Page 603

Miscellaneous Panel Services

Pages 604-605

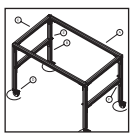
Bi-Fold Door Configuration

Pages 606-607

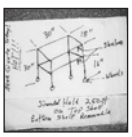
Aluminum Plate Machining

Page 608

SECTION 13
AUTO QUOTER X™
Pages 609-634

AQX Introduction

Page 610

Completed Shop Cart

Page 611

Step-by-Step Tutorial

Page 612

The Caster

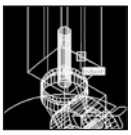
Page 613

The Leg

Pages 613-614

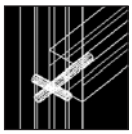
Pictorial Table Of Contents - Fractional

The Lower Cross Member



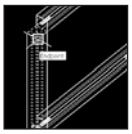
Pages 614-615

Machining w/ Access Holes



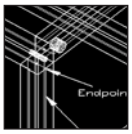
Page 616

Cross Members



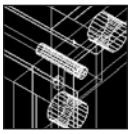
Pages 617-623

Counterbore Machining



Page 624

End Caps



Page 625

Top & Bottom Shelves

Pages 626-628

Running a B.O.M.

Pages 629-633

Pictorial Table Of Contents - Metric

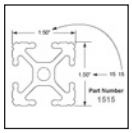
SECTION 1 METRIC PROFILES

Pages 637-694

How To Order

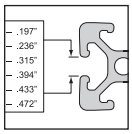
Page 639

Metric Part Naming



Page 641

Compatibility Code

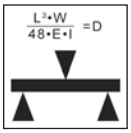


Page 642

Material Strength

Page 643

Beam Deflection

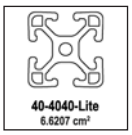


Page 644

Torque Specifications

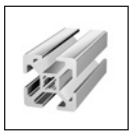
Page 645

Profile Specifications



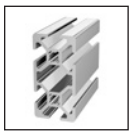
Pages 646-649

20-2020 Profile



Page 650

20-2040 Profile



Page 651

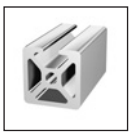
20-4040 Profile

Page 652

25-2525 Profile

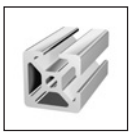
Page 653

25-2501 Profile



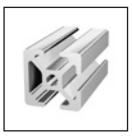
Page 654

25-2502 Profile



Page 655

25-2503 Profile



Page 656

25-2504 Profile

Page 657

25-2527 Profile

Page 658

25-2514 Profile

Page 659

25-5013 Profile

Page 660

25-2550 Profile

Page 661

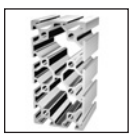
25-2576 Profile

Page 662

25-5050 Profile

Page 663

25-5010 Profile



Page 664

30-3030 Profile

Page 665

30-3060 Profile

Page 666

30-6060 Profile

Page 667

40-4040-UL Profile

Page 58

40-4040-Lite Profile

Page 668

80/20® Inc.
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THE STANDARD

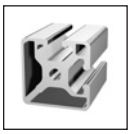
Pictorial Table Of Contents - Metric

40-4040 Profile

Page 669

40-4001 Profile

Page 670

40-4002 Profile

Page 671

40-4003 Profile

Page 672

40-4004 Profile

Page 673

40-4030-Lite Profile

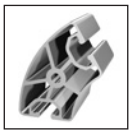
Page 674

40-4093 Profile

Page 675

40-4094 Profile

Page 676

40-4096 Profile

Page 677

40-4045-Lite Profile

Page 678

40-4020 Profile

Page 679

40-8020 Profile

Page 680

40-4080-UL Profile

Page 59

40-4080-Lite Profile

Page 681

40-4080 Profile

Page 682

40-4082-Lite Profile

Page 683

40-4083-Lite Profile

Page 684

40-4084-Lite Profile

Page 685

40-4085-Lite Profile

Page 686

40-4012 Profile

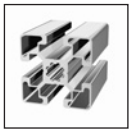
Page 687

40-8080 Profile

Page 688

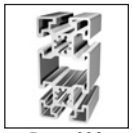
40-8016 Profile

Page 689

45-4545-Lite Profile

Page 690

45-4545 Profile

Page 691

45-4590 Profile

Page 692

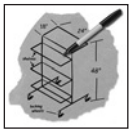
45-9090 Profile

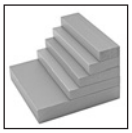
Page 693

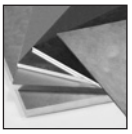
SECTION 2
STRUCTURAL SHAPES
Pages 695-710

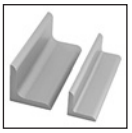
How To Order

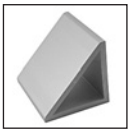
Page 696

Requesting A Quote

Page 697

Flat Stock

Page 698

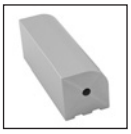
Solid Aluminum Plate

Page 699

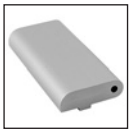
Angled Profiles

Page 700

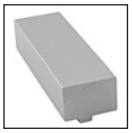
45º Gusset Profiles

Page 701

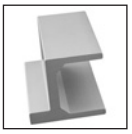
Standard Pivot Nub Profiles

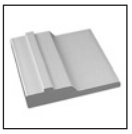
Page 702

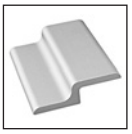
Right Angle Pivot Nub Profiles

Page 702

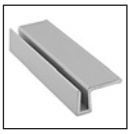
Hinge Profiles

Page 703

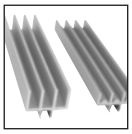
Panel Mount Block Profiles

Page 704

Linear Bearing Profiles

Page 705

UniBearing™ Profiles

Page 706

Retainer Angle Profiles

Page 707

Panel Stiffener Profiles

Page 708

Door Slide Track Profiles

Page 709

Pictorial Table Of Contents - Metric

SECTION 3
FASTENING OPTIONS
Pages 711-752

Introduction To Fasteners

Pages 712-713

How To Order

Page 714

Metric Fastener Standards

Page 715

Fastener Tool Size Reference

Page 715

Metric Part No. Definition

Page 716

Legend for Icons

Page 716

Slide-In Economy T-Nuts

Page 717

Slide-In Double Economy T-Nuts

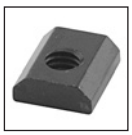
Page 718

Economy T-Nut Holding Springs

Page 719

Slide-In Economy T-Nuts

Page 719

Slide-In T-Nuts

Page 720

Slide-In Economy T-Slot Studs

Page 721

Spring T-Nuts

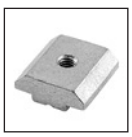
Page 721

Slide-In T-Nuts with Ball Spring

Page 722

Slide-In T-Nuts with Ball Spring

Page 722

Slide-In T-Nuts

Page 723

Slide-In T-Nuts

Page 723

Roll-In T-Nuts with Flex Handle

Page 724

Roll-In T-Nuts with Set Screw

Page 725

Roll-In T-Nuts

Page 726

Roll-In T-Nuts with Ball Spring

Page 727

Roll-In T-Nuts with Ball Spring

Page 728

Roll-In T-Nuts with Spring Leaf

Page 729

Roll-In T-Nuts with Spring Leaf

Pages 729-730

Drop-In T-Nuts

Page 730

Drop-In T-Nuts

Page 731

Drop-In T-Studs

Page 732

Drop-In T-Stud with Flanged Hex Nut

Page 733

Threaded Insert

Page 733

Central Connectors

Page 734

Cover Cap for Central Connectors

Page 734

Hidden Corner Connectors

Page 735

Bolt Connectors

Page 736

Butt Fasteners

Page 736

Anchor Fasteners

Page 737

Double Anchor Fasteners

Page 738

Standard End Fasteners

Pagse 739

Single Tab End Fasteners

Page 740

Connecting Screws

Page 740

Miter Connector

Page 741

Plate Connectors

Page742

80/20® Inc.
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THE STANDARD

Pictorial Table Of Contents - Metric

Bolts Assemblies & Components

Pages 743-751

SECTION 4 JOINING PLATES
Pages 753-814

How To Order

Page 755

Bolt Pattern Dimensions

Page 756

Bolt Kit Tables

Page 757

Legend of Icons

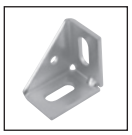
Page 757

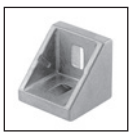
2 Hole Inside Corner Brackets

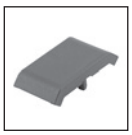
Page 758

2 Hole Slotted Corner Brackets

Page 759

2 Hole Inside Corner Brackets

Page 759

2 Hole Inside Corner Brackets

Page 760

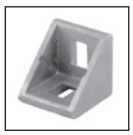
Cover Cap for Inside Corner Brackets

Page 760

2 Hole Inside Corner Brackets

Page 761

Cover Cap for Inside Corner Brackets

Page 761

2 Hole Inside Corner Brackets

Page 762

Cover Cap for Inside Corner Brackets

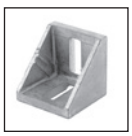
Page 762

2 Hole Inside Corner Brackets

Page 763

Cover Cap for Inside Corner Brackets

Page 763

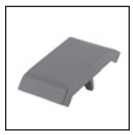
2 Hole Inside Corner Brackets

Page 764

Cover Cap for Inside Corner Brackets

Page 764

2 Hole Inside Corner Brackets

Page 765

Cover Cap for Inside Corner Brackets

Page 765

2 Hole Transition Brackets

Page 766

3 Hole Inside Corner Brackets

Page 767

3 Hole Slotted Corner Brackets

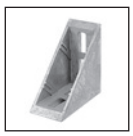
Page 767

4 Hole Inside Corner Brackets

Page 768

4 Hole Inside Corner Brackets

Page 769

4 Hole Inside Corner Brackets

Page 770

Cover Cap for Inside Corner Brackets

Page 770

4 Hole Transition Brackets

Page 771

4 Hole Slotted Corner Brackets

Page 772

6 Hole Slotted Corner Brackets

Page 772

6 Hole Inside Corner Brackets

Pages 773-774

8 Hole Inside Corner Brackets

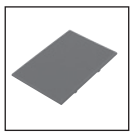
Page 775

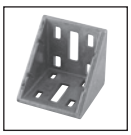
8 Hole Transition Brackets

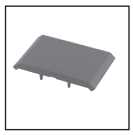
Page 775

8 Hole Inside Corner Brackets

Page 776

Cover Cap for Inside Corner Brackets

Page 776

8 Hole Inside Corner Brackets

Page 777

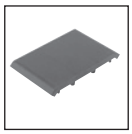
Cover Cap for Inside Corner Brackets

Page 777

8 Hole Inside Corner Brackets

Page 778

8 Hole Inside Corner Brackets

Page 778

Cover Cap for Inside Corner Brackets

Page 778

2, 4 & 8 Hole Corner Gussets

Pages 779-780

Pictorial Table Of Contents - Metric

2 Hole Joining Strips

Page 781

2 Hole Transition Strips

Page 781

3 Hole Joining Strips

Page 782

3 Hole Transition Strips

Page 783

4 Hole Joining Strips & Plates

Page 784

6 Hole Joining Plates

Page 785

8 Hole Joining Plates

Page 785

4 Hole 90° Joining Plates

Page 786

5 Hole 90° Joining Plates

Page 787

6 Hole 90° Joining Plates

Page 788

7 Hole 90° Joining Plates

Pages 788-789

12 Hole 90° Joining Plates

Page 789

Tee Plates

Pages 790-793

Cross Plates

Pages 794-795

15° Angle Joining Plates

Page 795

30° Angle Joining Plates

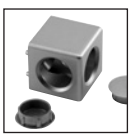
Page 796

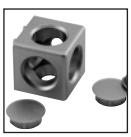
45° Angle Joining Plates

Page 797

60° Angle Joining Plates

Page 798

2-Way Corner Connector

Page 799

3-Way Corner Connector

Page 799

Tri-Corner Connectors

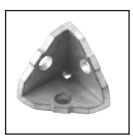
Page 800

3-Way Corner Bracket

Page 801

Square Cover Cap for 3-Way Corner Bracket

Page 801

3-Way Corner Bracket

Page 802

Cover Cap for 3-Way Corner Bracket

Page 802

Square Cover Cap for 3-Way Corner Bracket

Page 803

Clamp Block, Adjustable Angle

Page 803

90° Inside Corner Connectors

Page 804

45° Support Connector

Page 805

3 & 5 Hole Pivot Plates

Pages 805-806

Standard Pivot Nubs

Pages 807-808

Pivot Arms

Pages 808-809

Standard Pivot Assemblies

Pages 810-811

Pivot Joints

Page 812

45° Supports

Pages 813-814

SECTION 5 DYNAMIC PIVOTS
Pages 815-830

How To Order

Page 816

Standard Living Hinge Assemblies

Pages 817-818

0° Living Nub

Page 819

90° Living Nub

Page 819

Universal Living Nub

Page 820

Straight Pivot Arm

Page 820

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

Pictorial Table Of Contents - Metric

"L" Pivot Arm

Page 821

Right Angle Living Hinge Assemblies

Pages 822-823

0° Right Angle Living Nub

Page 824

90° Right Angle Living Nub

Page 824

Universal Right Angle Living Nub

Page 825

Straight Pivot Arm

Page 825

"L" Pivot Arm

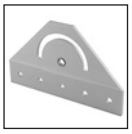
Page 826

90° Pivot Brackets

Page 827

90° Pivot Bracket Assemblies

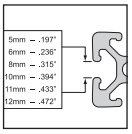
Page 828

180° Pivot Brackets

Page 829

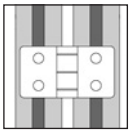
180° Pivot Bracket Assemblies

Page 830

SECTION 6
PANELS & DOORS
Pages 831-914

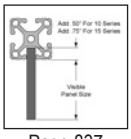
Compatibility Code


Page 833

T-Slot Hinges Introduction

Pages 834-835

How To Order

Page 836

Sizing & Drawing Panels

Page 837

Standard Lift-Off Hinges

Pages 838-839

Economy Lift-Off Hinges

Page 840

Plastic Lift-Off Hinges

Page 841

Stainless Steel Lift Off Hinges

Page 842

Standard 2-D Hinges

Page 842

Adjustable Hinges

Page 843

Detent Hinges

Page 844

Detent Positioning Hinges

Page 845

Aluminum Hinges

Page 846

Plastic Standard Hinges

Pages 847-848

Plastic Standard Hinges

Page 849

Plastic Standard Hinges

Page 850

Standard Hinges

Page 851

Stainless Steel Standard Hinges

Page 852

Combination Hinges

Page 853

Standard Hinges w/Locking Lever

Page 854

Standard Hinges

Page 854

Standard Panel Hinges

Page 855

Transition Hinges

Page 856

Stainless Steel Transition Hinges

Page 856

Glass Panel Holders

Page 857

Plastic Door Handles

Page 858

Aluminum Cabinet Handles

Page 859

Offset Handles

Page 860

Flush Handles

Page 861

Steel Door Handles

Page 862

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Pictorial Table Of Contents - Metric

Ergonomic Handles

Page 863

Aluminum Panel Handles

Page 864

Locking Grabber Handles

Page 865

Deluxe Door Handles

Page 866

Furniture Handles

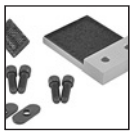
Page 867

Pawl Kits

Page 868

Slam Latches

Page 869

Velcro® Latches

Page 870

Deadbolt Latches

Pages 871-872

Grabber™ Door Catches

Page 873

Grabber™ Catch Mounting Plates

Page 874

Magnetic Door Catches

Page 875

Double Ball Catches

Page 876

Nylon Magnetic Catches

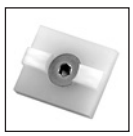
Page 877

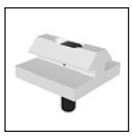
Nylon Ball Catches

Page 877

Sliding Door Locks

Page 878

Sliding Door Glides

Page 878

Bi-Fold Door Hangers

Page 879

Roller Wheels

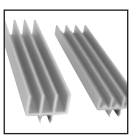
Pages 880-881

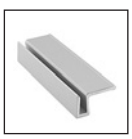
Roller Wheel Brackets

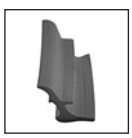
Page 882

Roller Wheel Assemblies

Page 883

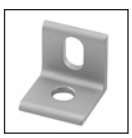
Door Slide Tracks

Page 884

Panel Stiffeners

Page 885

Panel Gaskets

Pages 886-888

Panel Mount Blocks

Page 889

Panel Mount Brackets

Page 890

Plastic Panel Mount Block w/ Square Nut

Page 891

Panel Mount Blocks 1/4 Turn w/ Square Nut

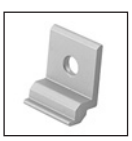
Page 892

Spacer for Panel Mount Blocks

Page 893

Quick Change Panel Clamps

Page 894

Drop-In Panel Brackets

Page 895

Single Panel Retainers

Page 896

Double Panel Retainers

Page 897

Single Wire Mesh Retainers

Pages 898-899

Double Wire Mesh Retainers

Pages 900-901

Wire Edge

Page 902

Acrylic Panels

Page 903

AR Polycarb Panels

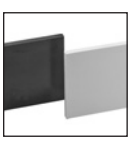
Page 903

Polycarbonate Panels

Page 904

ABS Haircell Panels

Page 905

Impact Resistant Panels

Page 905

Expanded PVC Panels

Page 906

Table of Contents

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

Pictorial Table Of Contents - Metric

Alucobest Panels

Page 907

Alumalite® Panels

Page 907

Twin Wall Polycarb Panels

Page 908

HDPE Panels

Page 909

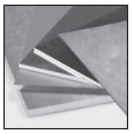
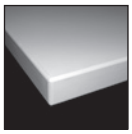
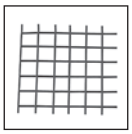
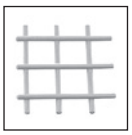
Aluminum Panels

Page 910

Table Tops

Page 910

Expanded Metal Panels

Page 911

Wire Mesh Panels

Page 912

PVC-Coated Wire Mesh

Page 913

Panel Area Chart

Page 914

SECTION 7
ACCESSORIES
Pages 915-938

Introduction To Accessories

Page 916

How To Order

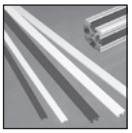
Page 917

End Caps

Page 918-919

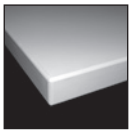
Nylon T-Slot Nut

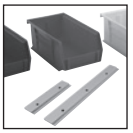
Page 918

T-Slot Covers

Pages 920-921

T-Slot Tread Strips

Page 921

Laminated Table Tops & Kits

Page 922

AkroBins®

Page 923

Cart Guard®

Page 924

Cart Guard® Corners

Page 925

Tool Hangers

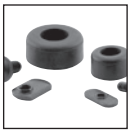
Page 926

Spring Snap Hook

Page 927

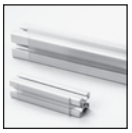
Gravity Roller Mounting Block

Page 927

Rubber Bumpers

Page 928

Plastic Document Holders

Page 929

Label Holders

Page 929

Wiring Duct

Page 930

Wire Ties

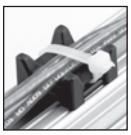
Page 930

Cable & Tube Clips

Page 931

Tube and Wire Clamps

Page 932

Cable Mount Blocks

Page 933

Pressure Manifold Plates

Pages 934-935

Anodize Breaker

Page 936

Grounding Terminal

Page 936

Power Strips

Page 937

T-Slot Velcro® Fastener

Page 938

Push-In Fastener

Page 938

SECTION 8
FLOOR TO FRAME
Pages 939-978

How To Order

Page 940

Threaded Stem Swivel Casters

Page 941

Flange Mount Casters

Page 942

Pictorial Table Of Contents - Metric

Triangular Top Plate Casters

Page 943

Deluxe Flange Mount Casters

Page 944

Flanged Mount Caster Base Plates

Page 945

Heavy-Duty Flange Mount Casters

Page 946

HD Flange Mount Caster Base Plates

Page 947

Leveling Casters

Page 948

Leveling Caster Base Plates

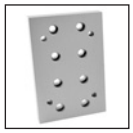
Page 949

Position Floor Locks

Page 950

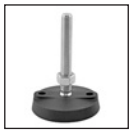
Position Floor Locks

Pages 951-952

Position Floor Lock Base Plates

Page 953

Econ Furniture Style Glides

Page 954

Large Base Glides

Page 955

Mighty Mount™

Page 956

Economy Anti-Vibration Mounts

Page 957

Deluxe Leveling Feet

Page 958

Economy Leveling Feet

Page 959

25 Series Base Plates

Pages 960-961

40 Series Base Plates

Pages 962-963

40 Series Leveling Base Plates

Pages 964-965

30 Series Base Plates

Page 966

45 Series Base Plates

Page 966

30 Series Base Plates

Page 967

45 Series Base Plates

Page 967

Base for Swivel Feet

Page 968

Base for Swivel Feet

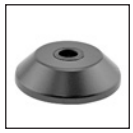
Page 968

Threaded Stems for Swivel Feet

Page 969

Extended Base for Swivel Feet

Page 970

Trapezoid Base for Swivel Feet

Page 970

Ball Joint 15 for Swivel Feet

Page 971

Trapezoid Base Anchor

Page 971

Wedge Floor Anchor

Page 972

Steel Floor Bracket

Page 973

Aluminum Floor Bracket

Page 973

Floor Bracket

Page 974

Adjustable Floor Bracket

Page 975

Floor Mount Base Plates

Page 976

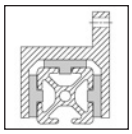
Econ Floor Mount Base Plates

Page 977

SECTION 9
LINEAR MOTION
Pages 979-1014

How To Order

Page 980

Bearing Guiderail System Concept

Page 981

Single Flange Bearings

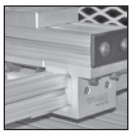
Page 982

Double Flange Bearings

Pages 983-984

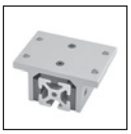
80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

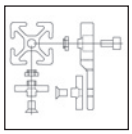
Pictorial Table Of Contents - Metric

High-Cycle Bearing Concept

Page 985

High-Cycle Single Flange Bearings

Page 986

High-Cycle Double Flange Bearings

Pages 987-988

UniBearing™ Bearing Concept

Pages 989-991

Single UniBearing™ Bearings

Page 992

Double UniBearing™ Bearings

Page 993

UniBearing™ Bearing Assemblies

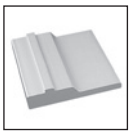
Page 994

Custom Linear Bearings

Page 995

Flanged Bearing Profiles

Page 996

UniBearing™ Profiles

Page 997

Standard Bearing Pads

Page 998

Top-Mount Bearing Pads

Page 999

High-Cycle Bearing Pads

Page 1000

Linear Bearing Shim Stock

Page 1001

UniBearing™ Bearing Pads

Pages 1002-1003

Custom Bearing Pad Profiles

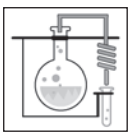
Page 1004

Engineering Specifications

Page 1005

Load Bearing Properties

Page 1006

Chemical Resistance

Page 1007

Linear Bearing Brake Kits

Page 1008

Linear Bearing Brake Holes

Page 1009

Roller Wheels

Pages 1010-1011

Roller Wheel Brackets

Page 1012

Roller Wheel Assemblies

Page 1013

SECTION 10
TOOLS
Pages 1015-1024

Introduction To Tools

Page 1016

How To Order

Page 1017

Ball End Fold Out Combo Tool

Page 1018

Ball Driver & "L" Wrench Set

Page 1018

Ball End Power Bits

Page 1019

Bal End "L" Hex Wrenches

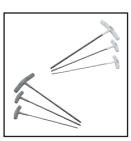
Page 1019

Cheater Pipe

Page 1020

Ball End Hex Drivers

Page 1020

"T" Ball End Hex Wrench

Page 1021

Combination Wrenches

Page 1021

Six Lobe Tools

Page 1022

Long Ball End Hex Socket

Page 1022

Access Hole Drills

Page 1023

Access Hole Drill Jigs

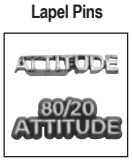
Page 1023

Counterbore Cutters

Page 1024

Soft Face Mallet

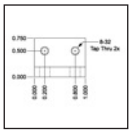
Page 1024

Attitude Lapel Pins


Page 1024

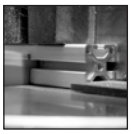
Pictorial Table Of Contents - Metric

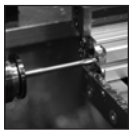
SECTION 11 MACHINING SERVICES
Pages 1025-1078

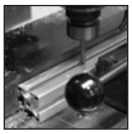
Custom Machining

Page 1026

How To Order

Pages 1027-1028

Cut To Length

Page 1029

End Tap Drilling

Pages 1029-1030

Access Hole Drilling

Pages 1031-1032

Counterbore Drilling

Pages 1033-1034

Custom Miter Cuts

Pages 1035-1036

Custom 45° Supports

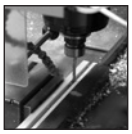
Page 1037

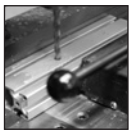
Miter Cut Counterbores

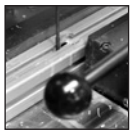
Page 1038

Clearance Drill Thru

Pages 1039-1040

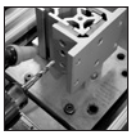
Drill Thru & Counterbore

Page 1041

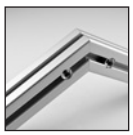
Profile Drill Thru For Manifolds

Page 1042

Door Handle Milling Services

Pages 1043-1044

Economy T-Nut Clearance

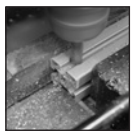
Page 1045

Brake Holes For Linear Bearings

Page 1046

Machine for Miter Connector

Page 1047

Drill Thru for Bolt Connector

Page 1048

Drill for Central Connector

Page 1049

Drill for Slam Latch

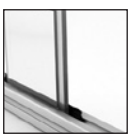
Page 1050

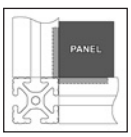
Panel Cutting Service

Page 1051

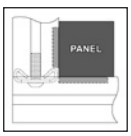
Wire Mesh Shearing

Page 1051

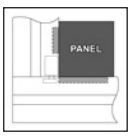
Thick Plastic Panel Routing

Page 1052

Profile Clearance Panel Notch


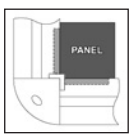
Page 1053

End Fastener Panel Notch


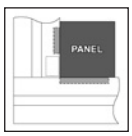
Page 1054

Anchor Fastener Panel Notch


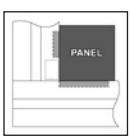
Page 1055

Tri-Corner Panel Notch


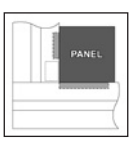
Page 1056

Bolt Connector Panel Notch


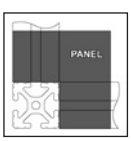
Page 1057

Central Connector Panel Notch


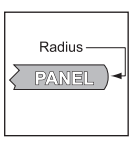
Page 1058

Plate Connector Panel Notch


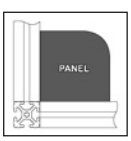
Page 1059

Extended Panel Notch


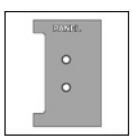
Pages 1060-1061

Edge Radius Services


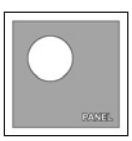
Page 1062

Panel Radius Services


Page 1063

Grabber™ Catch Panel Notch


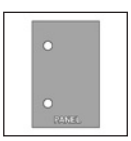
Page 1064

Grabber™ Handle Panel Drill Thru


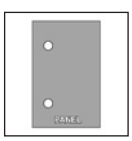
Page 1065

Flush Handle Panel Drill Thru

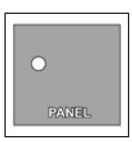
Page 1066

Hinge Panel Drill Thru


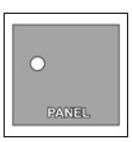
Page 1067

Plastic & Steel Handle Panel Drill Thru


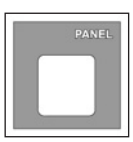
Pages 1068-1069

Panel Mount Block Panel Drill Thru


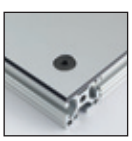
Page 1070

Panel Retainer Panel Drill Thru


Pages 1071-1071

2, 3, and 4 Side Panel Cut-Outs


Page 1072

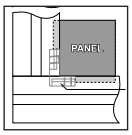
Flush Mount Panel Service

Page 1073

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

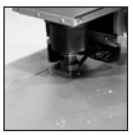
Pictorial Table Of Contents - Metric

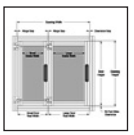
Miscellaneous Panel Services

Page 1074

Hidden Corner Connector Services


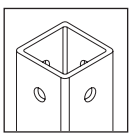
Page 1075

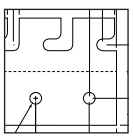
Aluminum Plate Machining

Page 1076

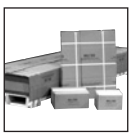
Bi-Fold Door Conifguration

Pages 1077-1078

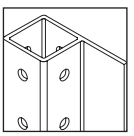
Pictorial Table Of Contents - Holey Tube

SECTION 1
HOLEY TUBE PROFILES
Pages 1081-1096

Introduction to Holey Tube

Pages 1082-1083

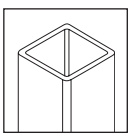
Dimensional Details

Page 1083

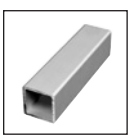
How to Order Holey Tube

Page 1084

Holey Tube Profile Families

Page 1085

Tube Insert Connections

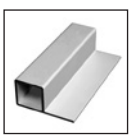
Pages 1086-91

Holey Tube Specifications

Page 1092

9700 Square Tube

Page 1093

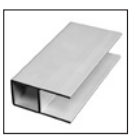
9701 Square Tube

Page 1093

9705 P-Tube

Page 1094

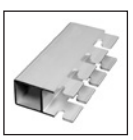
9706 P-Tube

Page 1094

9725 A-Tube

Page 1095

9726 A-Tube

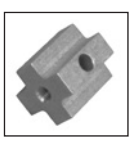
Page 1095

9728 A-Tube

Page 1095

SECTION 2
HOLEY TUBE FASTENERS
Pages 1097-1102

Introduction to Holey Tube Fasteners

Page 1097

Standard Tube Insert

Page 1098

Extended Tube Insert

Page 1098

Tube Insert Assembly with Hex Bolt

Page 1099

Tube Insert Assembly with Roll Pin

Page 1099

Roll Pin

Page 1100

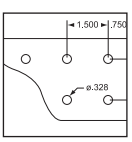
Roll Pin Punch

Page 1100

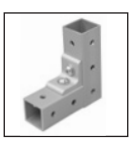
Bolts, Screws, Washers and Nuts

Pages 1101-1102

SECTION 3
HOLEY TUBE JOINING PLATES
Pages 1103-1108

Bolt Pattern Dimensions


Page 1103

2 Hole Standard Inside Corner Bracket

Page 1104

2 Hole Inside Corner Gusset Bracket

Page 1104

4 Hole Inside Corner Bracket

Page 1104

Pictorial Table Of Contents - Holey Tube

4 Hole Inside Corner Gusset Bracket

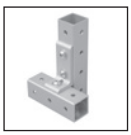
Page 1104

3 Hole Inside Corner Bracket

Page 1105

2 Hole Slotted Inside Corner Bracket

Page 1105

3 Hole Slotted Inside Corner Bracket

Page 1105

2 Hole Joining Strip

Page 1105

3 Hole Joining Strip

Page 1106

4 Hole Joining Strip

Page 1106

4 Hole Joining Plate

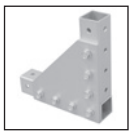
Page 1106

4 Hole 90° Joining Plate

Page 1106

5 Hole 90° Joining Plate

Page 1107

7 Hole 90° Joining Plate

Page 1107

4 Hole Tee Joining Plate

Page 1107

5 Hole Tee Joining Plate

Page 1107

6 Hole Tee Joining Plate

Page 1108

7 Hole Tee Joining Plate

Page 1108

7 Hole Cross Joining Plate

Page 1108

Additional Bolt Kits

Page 1108

SECTION 4
HOLEY TUBE PANELS & DOORS
Pages 1109-1128

Introduction to Holey Tube Panels and Doors

Page 1109

Aluminum Hinges

Page 1110

Holey Tube Aluminum Handles

Page 1111

Panel Mount Brackets

Page 1112

Panel Retainers

Page 1113

Double Panel Retainers

Page 1114

Mesh Panel Retainers

Page 1115

Double Mesh Panel Retainers

Page 1116

Acrylic Panels

Page 1117

AR Polycarb Panels

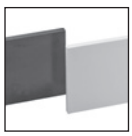
Page 1117

Polycarbonate Panels

Page 1118

ABS Haircell Panels

Page 1119

Impact Resistant Panels

Page 1119

Expanded PVC Panels

Page 1120

Alucobest Panels

Page 1121

Alumalite® Panels

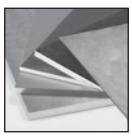
Page 1121

Twin Wall Polycarb Panels

Page 1122

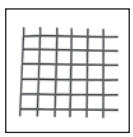
HDPE Panels

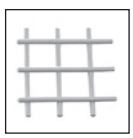
Page 1123

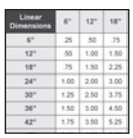
Aluminum Panels

Page 1124

Expanded Metal Panels

Page 1125

Wire Mesh Panels

Page 1126

PVC Coated Wire Mesh

Page 1127

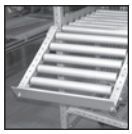
Panel Area Chart


Page 1128

SECTION 5
HOLEY TUBE ACCESSORIES
Pages 1129-1142

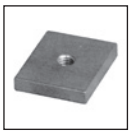
80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

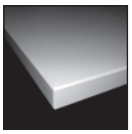
Pictorial Table Of Contents - Holey Tube

Introduction to Holey Tube Accessories

Page 1130

End Caps

Page 1130

Anti-Rotation Plates

Page 1131

Laminated Tabletops

Page 1132

Tabletop Fasteners

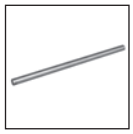
Page 1132

AkroBins®

Page 1133

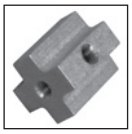
Gravity Rollers

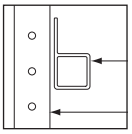
Page 1134

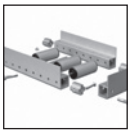
Connector Rods

Page 1135

P-Tube Stopper

Page 1136

Conveyor Tube Inserts

Page 1137

Building with Holey Tube

Pages 1138-1139

Gravity Roller Assembly Steps

Pages 1140-1142

SECTION 6
HOLEY TUBE FLOOR TO FRAME
Pages 1143-1154

Introduction to Holey Tube Floor to Frame

Page 1143

Extended Tube Inserts

Page 1144

Threaded Stem Swivel Casters

Page 1145

Flange Mount Casters

Page 1146

Deluxe Flange Mount Casters

Page 1147

Economy Furniture Glides

Page 1148

Large Base Glides

Page 1149

Economy Anti-Vibration Mounts

Page 1150

Deluxe Leveling Feet

Page 1151

Economy Leveling Feet

Page 1152

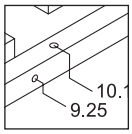
Wedge Floor Anchors

Page 1153

Slotted Economy Floor Mount Base Plates

Page 1154

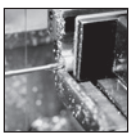
SECTION 7
HOLEY TUBE MACHINING SERVICES
Pages 1155-1164

Introduction to Holey Tube Machining Services


Page 1155

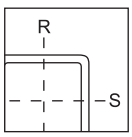
Cut-to-Length

Page 1156

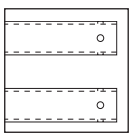
Tap Connector Rod Ends

Page 1156

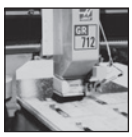
Access Hole Drilling

Page 1157

Axis Designation for Access Holes


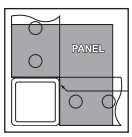
Page 1157

Do It Yourself Details

Page 1158

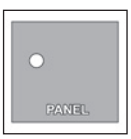
Panel Cutting Service

Page 1159

Wire Mesh Shearing

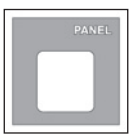
Page 1159

Extended Panel Notch


Page 1160

Panel Retainer Panel Drill Thru


Pages 1161-1162

2, 3 & 4 Side Panel Cut Outs


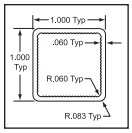
Page 1163

Miscellaneous Panel Machining Services

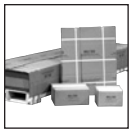
Page 1164

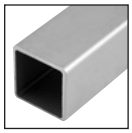
Pictorial Table Of Contents - Quick Frame

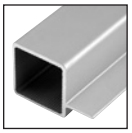
SECTION 1
QUICK FRAME PROFILES
Pages 1165-1170

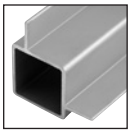
Introduction to Quick Frame Profiles


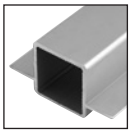
Page 1166

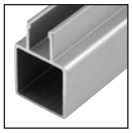
How to Order Quick Frame

Page 1168

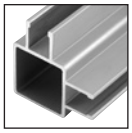
9000 Square Tube

Page 1169

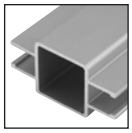
9005 Square Single Flanged Tube

Page 1169

9010 Sq. Rt. Angle Double Flanged Tube

Page 1169

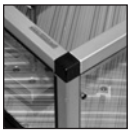
9015 Square Double Flanged Tube

Page 1169

9025 Sq. Single Twin Flanged Tube

Page 1170

9030 Sq. Rt. Angle Double Twin Flanged Tube

Page 1170

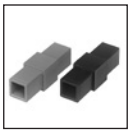
9035 Sq. Double Twin Flanged Tube

Page 1170

SECTION 2
QUICK FRAME CONNECTORS
Pages 1171-1184

Introduction to Quick Frame Connectors

Page 1172

End Cap

Page 1173

2-Way Connector

Page 1173

2-Way Corner

Page 1174

Straight 90° Base Connector

Page 1174

Corner 90° Base Connector

Page 1175

3-Way Tee

Page 1175

3-Way Corner

Page 1176

Cross Connector

Pages 1176

4-Way Connector

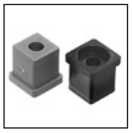
Page 1177

5-Way Junction

Page 1177

6-Way Junction

Page 1178

Caster or Spacer Receptacle

Page 1178

3-Way Caster or Spacer Corner

Pages 1179

Spacer

Page 1179

Hexagon Side Bottom

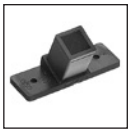
Page 1180

Octagon Side Bottom

Page 1180

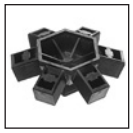
Hexagon T-Cross

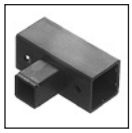
Page 1181

Octagon T-Cross

Page 1181

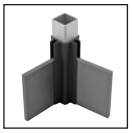
Hexagon Side Top

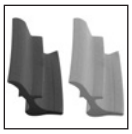
Page 1182

Hexagon Top

Page 1183

Transition Tee

Page 1184

SECTION 3
QUICK FRAME PANELS & DOORS
Pages 1185-1202

Panel Retainers

Page 1186

Panel Gaskets

Page 1187

Mesh Panel Retainers

Page 1188

Adjustable Hinge

Page 1189

Aluminum Hinge

Page 1190

Magnetic Door Catch

Page 1191

Steel Door Handle

Page 1191

Acrylic Panels

Page 1192

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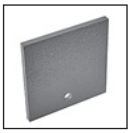
Pictorial Table Of Contents - Quick Frame

AR Polycarb Panels

Page 1192

Polycarbonate Panels

Page 1193

ABS Haircell Panels

Page 1194

Impact Resistant Panels

Page 1194

Expanded PVC Panels

Page 1195

Alucobest Panels

Page 1196

Alumalite® Panels

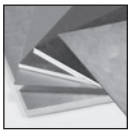
Page 1196

Twin Wall Polycarb Panels

Page 1197

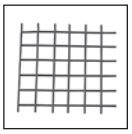
HDPE Panels

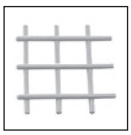
Page 1198

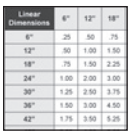
Aluminum Panels

Page 1198

Expanded Metal Panels

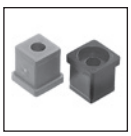
Page 1199

Wire Mesh Panels

Page 1200

PVC-Coated Wire Mesh

Page 1201

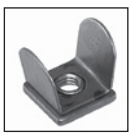
Panel Area Chart

Page 1202

SECTION 4
QUICK FRAME FLOOR TO FRAME
Pages 1203-1208

Caster or Spacer Receptacle

Page 1204

3 Way Caster or Spacer Corner

Page 1204

Threaded End Bracket

Pages 1205

Threaded Stem Swivel Caster

Pages 1205

Dual Wheel Caster

Page 1206

Furniture Style Caster

Page 1206

Economy Furniture Glides

Page 1207

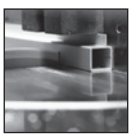
Economy Leveling Feet

Page 1207

Deluxe Leveling Feet

Page 1208

SECTION 5
QUICK FRAME MACHINING SERVICES
Pages 1209-1214

Cut to Length

Page 1211

45° Flange Milling

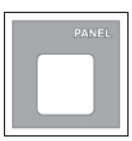
Page 1211

Plastic Panel Cutting Service

Page 1212

Wire Panel Shearing

Page 1212

2, 3 & 4 Side Panel Cut Outs


Page 1213

Misc. Panel Machining Services

Page 1214

For more details on all of 80/20's products and solutions, please visit www.8020.net.

www.8020.net

Fractional Reference Guide

Aluminum vs. Steel ---- 2
Peace of Mind ---- 3
Made with 80/20 Stuff ---- 23
New Products ---- 55
Aluminum Profile Selection ---- 65
Pictorial Table of Contents ---- 117
Fractional Series ---- 145-634
- Profiles ---- 147
- Structural Shapes ---- 203
- Fastening Options ---- 221
- Joining Plates ---- 261
- Dynamic Pivots ---- 333
- Panels & Doors ---- 349
- Accessories ---- 433
- Floor to Frame ---- 457
- Linear Motion ---- 497
- Stanchions ---- 533
- Tools ---- 549
- Machining Services ---- 559
- AutoQuoterX ---- 609

Metric Series ---- 635-1078
- Profiles ---- 637
- Structural Shapes ---- 695
- Fastening Options ---- 711
- Joining Plates ---- 753
- Dynamic Pivots ---- 815
- Panels & Doors ---- 831
- Accessories ---- 915
- Floor to Frame ---- 939
- Linear Motion ---- 979
- Tools ---- 1015
- Machining Services ---- 1025

Holey Tube ---- 1079-1164
- Profiles ---- 1081
- Fasteners ---- 1097
- Joining Plates ---- 1103
- Panels & Doors ---- 1109
- Accessories ---- 1129
- Floor to Frame ---- 1143
- Machining Services ---- 1155

Quick Frame ---- 1165-1214
- Profiles ---- 1167
- Connectors ---- 1171
- Panels & Doors ---- 1185
- Floor to Frame ---- 1203
- Machining Services ---- 1209

Glossary ---- 1215
Index ---- 1221

Fractional Series Profiles and Parts
Pages 145-634

Metric Series Profiles and Parts
Pages 635-1078

Holey Tube Profiles and Parts
Pages 1079-1164

Quick Frame Profiles and Parts
Pages 1165-1214

Glossary & Index
Pages 1215-1248

www.8020.net/profiles.asp

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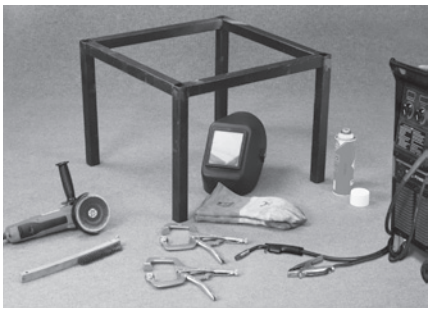
HOW 80/20'S FRACTIONAL T-SLOTTED ALUMINUM PROFILES REDUCE YOUR FABRICATION TIME AND COST



$189.05 *versus* **$236.19**

T-Slotted Aluminum

24" x 24" x 18" 20 Lbs.

What it Takes:

1. Design time*
2. Bill of materials*
3. Purchase materials
4. Assemble frame per design

* AutoQuoterX™ page 609

Benefits:

- No welding - no fighting heat stress or warping
- No priming or painting
- Lightweight, easy to machine
- Uses standard fractional or metric fasteners
- Less engineering time required
- Easy to fabricate - only simple hand tools required
- T-slot technology is industry accepted
- Great aesthetic value
- No expensive fabricating equipment required
- Machine frames can be easily reconfigured for design changes

Bill of Materials:

Qty.	Description	Cost
4	1515-Lite x 18"	32.40
4	1515-Lite x 21"	37.80
8	#7010 Saw Cut	15.60
8	#4301 Inside Corner Brackets	34.40
32	#3320 5/16-18 x 5/8" Flanged BHSCS & T-nut	19.20
1	6110 T-Handle Ball End Hex Wrench	5.00
1	6100 Ball End Hex Wrench	1.75
4	2030 End Caps	5.40
	1/2 hr. labor to assemble @ 75.00/hr.	**37.50**
	Total Project Cost	**$189.05**

Welded Steel Frame

24" x 24" x 18" 33 Lbs.

What it Takes:

1. Design time
2. Bill of materials
3. Purchase materials
4. Cut to length
5. Deburr
6. Set up fixture
7. Weld
8. Grind welds
9. Clean weld splatter
10. Drill and/or tap for mounting accessories
11. Degrease
12. Mask non-paint areas
13. Primer coat
14. Paint

Fabricating Equipment Required:

- Band Saw • Grinder • Welder
- Paint Booth • Skilled Labor

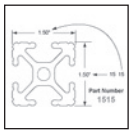
Bill of Materials:

Qty.	Description	Cost
4	1 1/2" x 1 1/2" x 1/8" wall x 18" steel tube	38.96
4	1 1/2" x 1 1/2" x 1/8" wall x 21" steel tube	44.23
	Welding supplies, sandpaper, cleaning supplies, tape, paint, etc,	33.00
	4 hrs. labor @ 30.00/hr.	**120.00**
	Total Project Cost	**$236.19**

Section #1 Pictorial Table Of Contents

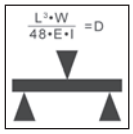
How To Order

Page 149

Introduction To 80/20® Profiles

Pages 150-152

Material Strength

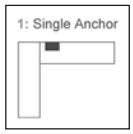
Page 153

Beam Deflection


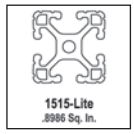
Page 154

Torque Specifications

Page 155

Fastener Application Test


Page 155

Profile Specifications


Pages 156-158

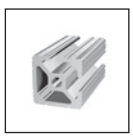
10 Series T-Slotted Aluminum Profiles

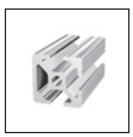
1010 Profile

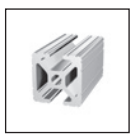
Page 159

1001 Profile

Page 160

1002 Profile

Page 161

1003 Profile

Page 162

1004 Profile

Page 163

1012 Profile

Page 164

1050 Profile

Page 165

2012 Profile

Page 166

1020 Profile

Page 167

1030 Profile

Page 168

2020 Profile

Page 169

2040 Profile

Page 170

15 Series T-Slotted Aluminum Profiles

1515-ULS Profile

Page 171

1515-UL Profile

Page 172

1515-LS Profile

Page 173

1515-Lite Profile

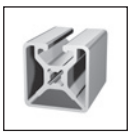
Page 174

1515-S Profile

Page 175

1515 Profile

Page 176

1501-LS Profile

Page 177

1501 Profile

Page 178

1502-LS Profile

Page 179

1502 Profile

Page 180

1503-LS Profile

Page 181

1503 Profile

Page 182

1504-LS Profile

Page 183

1504 Profile

Page 184

Table Of Contents Continued

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Section #1 Pictorial Table Of Contents

15 Series T-Slotted Aluminum Profiles

1547 Profile Page 185

1517-LS Profile Page 186

1517 Profile Page 187

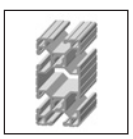
1575 Profile Page 188

1534-Lite Profile Page 189

3075 Profile Page 190

3034-Lite Profile Page 191

1530-ULS Profile Page 56

1530-UL Profile  Page 57

1530-LS Profile Page 192

1530-Lite Profile Page 193

1530-S Profile Page 194

1530 Profile Page 195

1545-S Profile Page 196

1545 Profile Page 197

3030-LS Profile Page 198

3030-Lite Profile Page 199

3030-S Profile Page 200

3030 Profile Page 201

3060 Profile Page 202

For aditional framing options, be sure to check out our Holey Tube Series in the green section as well as our Quick Frame options in the orange section.

Legend for Icons

This part is 10 Series compatible

This part can use double economy T-nuts
(see bolt kit table P on page 268)

This part can use triple economy T-nuts
(see bolt kit table Q on page 268)

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How to Order 80/20® T-Slotted Profiles

As indicated in the order below, some profiles have machining services. The type and location of machining service is listed with the profile, but the actual charge is listed separately in the machining services section of your order. For cut to length services, which are required for anything less than stock length, the charge is listed only in the machining services section, not the profile section. See Section 12 for more information on cut to length and machining services.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/ UOM	Ext. Price
1	1010	2	18.50"	7042 in A both ends	$.23	$8.51
	1515-Lite-145	5	145.00"	Full length profile	$65.25	$326.25
	3060	4	40.00"	7029 one end	$2.95	$472.00
	3030	4	36.00"	7050 style G in W, X both ends	$1.50	$216.00
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	2611	1	5.25 sf.	1/4" bronze polycarb 1 @ 18" x 40" w/ 7311 per drawing	$10.40	$54.60
4	7150	1		Cut plastic panels all sides < -48"	$10.50	$10.50
	7042	4		10 Series anchor fastener counterbore	$2.25	$9.00
	7005	2		Cut-to-length for 1010	$1.95	$3.90
	7023	4		Cut-to-length for 3060	$2.90	$11.60
	7030	4		Cut-to-length for 3030	$2.60	$10.40
	7050	64		15 Series drill access hole	$1.95	$124.80
	7029	4		5/16-18 tap service for 3060	$15.20	$60.80
	7311	2		Anchor fastener notch for 10 Series	$0.53	$1.06
5	3380	32		15 Series 5/16-18 black zinc end fastener w/ screw	$1.60	$51.20
	2114	16		Gray T-Slot covers for 10 Series	$3.45	$55.20
	2050	8		End caps for 3030	$1.85	$14.80
	3395	4		10 Series anchor fasteners	$2.90	$11.60
	3279	5		15 Series 5/16-18 black zinc double economy T-nut	$0.79	$3.95
	4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	3393	24		10 Series 1/4-20 BHSCS & economy T-nut	$0.40	$9.60
				TOTAL		$1549.17

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 147-202 • 2 - Custom Parts = Pages 203-220 • 3 - Panels = Pages 349-432
4 - Machining Services = Pages 559-608 • 5 - Accessories & Tools = Pages 433-456 & 549-558

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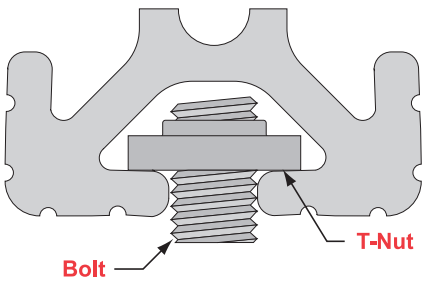
80/20® Product Advantages

- Attractive appearance
- Easy to fabricate
- Many joining options
- Easy-to-assemble designs
- Precise tolerances
- Uniform quality assured
- High strength/weight ratio
- Corrosion resistant
- Recyclable
- Cost-effective
- Design freedom
- Lightweight
- Strong
- Resilient
- Align-a-grooves
- Non-magnetic

Aluminum is very strong–consider what kinds of things are made of it: airplanes, light posts, truck trailers, tennis rackets, baseball bats, sailboat masts, scaffolding, car body and engine parts, guard rails, ladders, wheel rims, computer housings, bicycle frames and more!

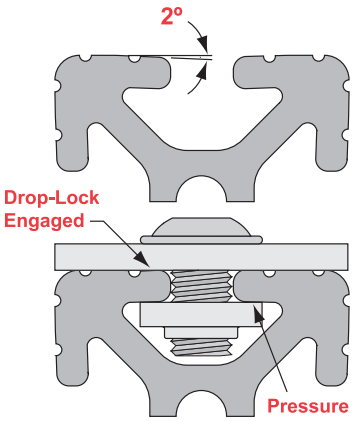
T-Slotted Aluminum Profile Concept



80/20®'s modularity is based upon the T-slot concept of our profiles. The "T" shaped slots present on all of our profiles allow for infinite positioning along the axis. While there are other types of T-slotted profiles in the industry, one modification to the 80/20® line is a slight adjustment to the "T" which creates the 2° Drop-Lock Feature.

Note the "T" Shape of the assembled bolt and nut shown in the example below.

The T-Slotted Profile 2º Drop-Lock Feature



VIBRATION PROOF™

The 2° Drop-Lock Feature is one of the many selling points of the 80/20® product line. This drop lock consists of a 2° decline of the T-slot flange. When a fastener is tightened to (or beyond) the necessary torque, the flange will press up to the adjoining profile, thus creating pressure that tightly holds the two bars together.

Benefits of 80/20®'s Drop-Lock Feature:

- Most 80/20® T-slotted profiles have the Drop-Lock Feature
- When engaged, the connections will be vibration-proof
- Works with all of 80/20®'s main fastening options

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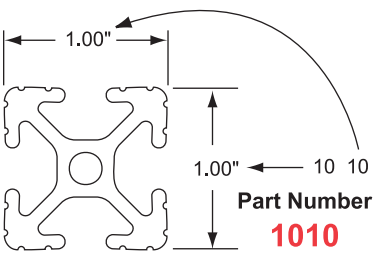
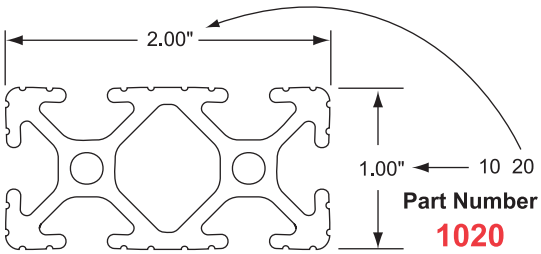
Fractional Part Number Concept & Identification

Fractional T-slotted profiles have part numbers that directly coincide with the profile's physical measurements. Fractional profile part numbers contain four characters, which relate to the profile's dimensions. This Series part-numbering concept is explained in more detail below.

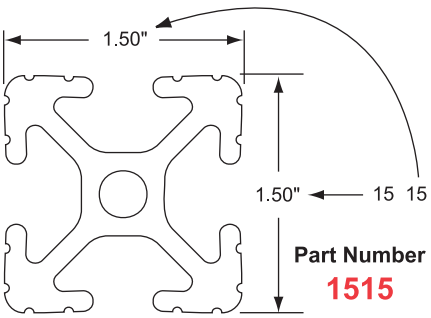
10 Series Profile Standards

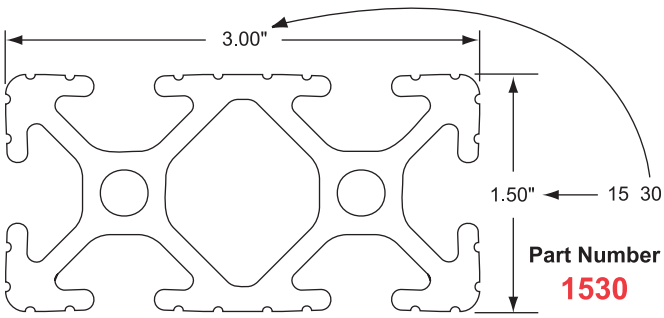




Note: 10 Series profiles always measure .50" from the outside edge of the profile to the center of the T-slot.

15 Series Profile Standards





Note: 15 Series profiles always measure .75" from the outside edge of the profile to the center of the T-slot.

Align-a-Grooves

Align-a-grooves, featured on our 10 Series and some of our 15 Series T-slotted profiles, aid in aligning and squaring corners and joints during assembly.

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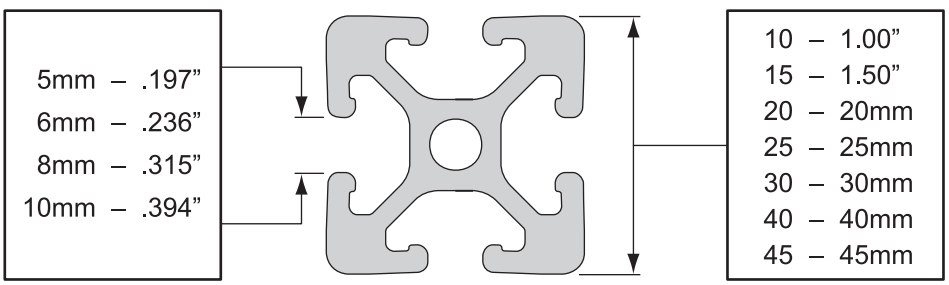
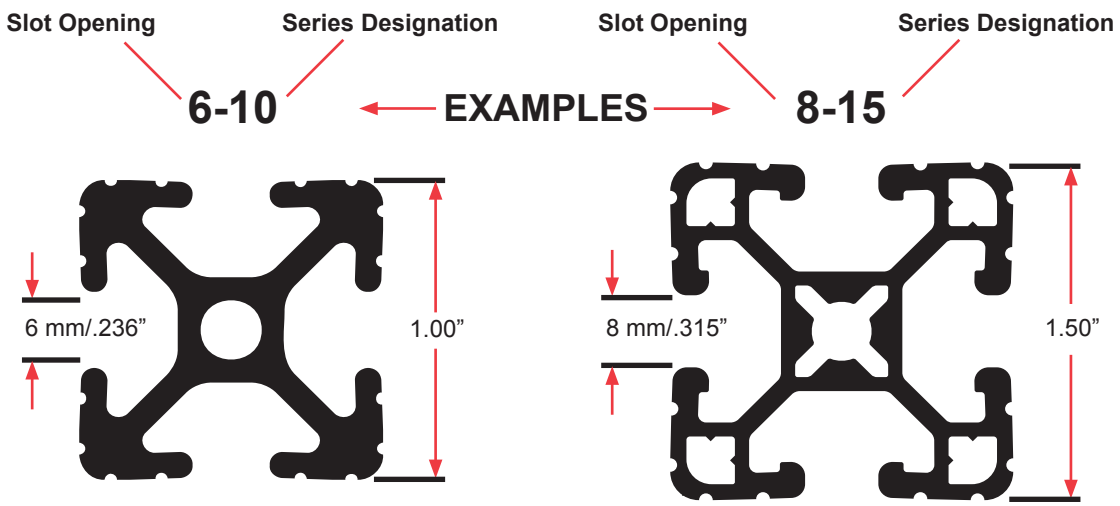
T-Slotted Aluminum Profile Compatibility Code*

How to find parts compatible with the T-slotted profile you are currently using:

1. Not all T-slotted profiles are created equal. Not only are there numerous outside dimensions, fractional and metric, but there are also differences in T-slot dimensions. The opening of the slot is the critical dimension when determining part/profile compatibility.
2. Certain fasteners, parts and accessories are designed to work with only one particular slot dimension, while others are compatible with more than one slot size.
3. Series designations such as 10, 15, 20, 25, 30, 40, 45 etc. refer to overall outside dimensions of the profile and/or center-to-center dimensions of two T-slots.
4. The critical slot opening dimensions mentioned above are stated in millimeters. They include openings of 5, 6, 8, 10, 11 and 12 mm.



5. To determine compatibility the slot opening and profile series must be known. This will establish the compatibility code, which is listed for every part.



* Patent Pending

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Why Do We Use 6105-T5 Aluminum Alloy?

Aluminum Profile Alloys: Number and Characteristics	Tensile Strength - ksi*			
	Ultimate		Yield	
	minimum	maximum	minimum	maximum
6105-T5 (80/20's Alloy)	38.00	••	35.00	••
6063-T6	30.00	••	25.00	••

*Figures based on material thickness of 0.125 to 1.00"
From The Aluminum Extrusion Manual, published by The Aluminum Association and the Aluminum Extruders Council.

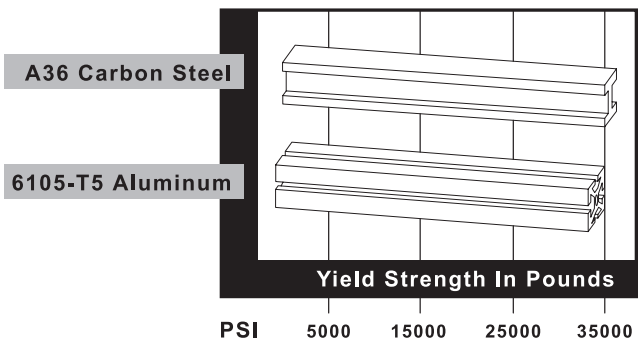
All of 80/20's T-slotted profiles feature the 6105-T5 alloy. An aluminum extrusion alloy is a mixed metal that includes other elements such as copper, magnesium, iron, silicon or zinc. Certain properties such as strength, machinability and corrosion resistance are influenced by the choice of alloy and temper. **Alloy 6105 with a T5 temper, chosen by 80/20, has better machinability and strength than 6063-T6.**

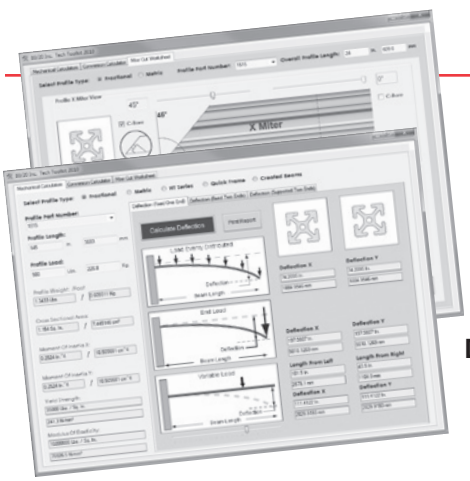
6105 (Alloy) **T5** (Temper)

Material Strength Specifications

Minimum Yield Strength In Pounds

- 80/20®'s 6105-T5 alloy yield strength of 35,000 psi compares to A36 carbon steel's yield strength of 36,000 psi.
- Volume for volume, aluminum weighs about 1/3 as much as iron, steel, copper, or brass.





Download 80/20®'s FREE Tech Toolkit, the profile strength calculator.

80/20® Inc. Tech Toolkit™ v. 1.1

www.8020.net/design-tools-1s.asp

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Simple Beam Deflection Calculations

Use the formulas listed below to find the worst case deflection for a beam:

Formula A

$$\frac{L^3 \cdot W}{48 \cdot E \cdot I} = D$$

This formula will yield worst case deflection for a beam supported at both ends with the load centered over the span.

Formula B

$$\frac{5L^3 \cdot W}{384 \cdot E \cdot I} = D$$

This formula will yield worst case deflection for a beam supported at both ends with the load evenly distributed over the span.

Formula C

$$\frac{L^3 \cdot W}{3 \cdot E \cdot I} = D$$

This formula will yield worst case deflection for a beam fastened at one end and cantilevered horizontally with the load applied at the end of the beam.

Example Using Formula A:

Using the 1515 T-slotted profile, a length of 30.0”, and an applied force of 50 lbs., you should find the approximate beam deflection to be .011”.

Formula Reference:

L = Length in Inches
W = Load in Pounds
E = Modulus of Elasticity (10,200,000)
D = Deflection in Inches
I = Moment of Inertia (see material specifications on pages 156-158)

Fractional Profile Standards

- **Yield strength 35,000 lbs. /sq. in. minimum**
- **Tensile strength 38,000 lbs. /sq. in. minimum**
- **Elongation A5 minimum 10%**
- **Elongation A10 minimum 8%**
- **Elasticity E approximately 10,200 k lbs./sq.in.**
- **Rockwell hardness approximately E-88**
- **Extrusion conforming to DIN 17 615 specifications**
- **Twist per foot of length not to exceed .25 degree and total twist over 20 feet of length not to exceed 1.5 degrees**
- **Flatness .004" per inch of width**
- **Straightness 0.0125" per foot of length, not to exceed .120” over 20 feet of length**
- **Unless otherwise specified, all profiles will have etch and clear (MIL-A-8625F) anodizing with depth of .0004" and surface hardness of approximately 250 HV (anodized profiles should not be welded because of toxic fumes)**

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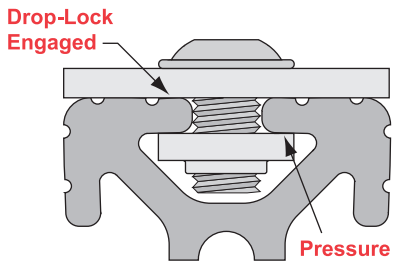
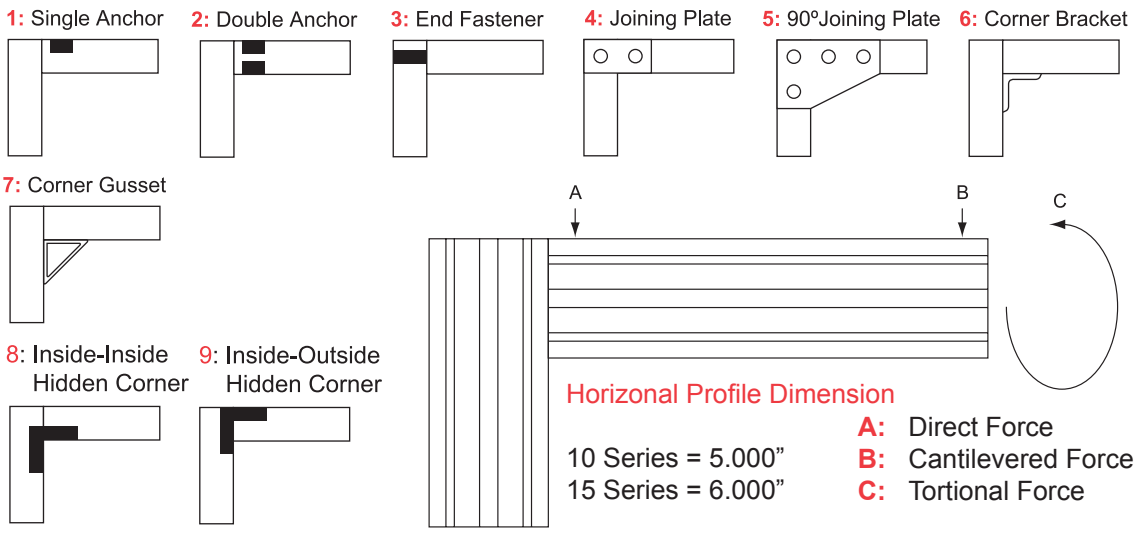
Torque Specifications

- **See table below for the amount of torque in foot-lbs. required to activate the 2º drop-lock feature for T-slotted profiles**
- **Nut and bolt combination is pre-loaded when tightened to the minimum torque rating**
- **When properly tightened, fasteners will not loosen even under heavy vibration**



Part Number	Fastener Description	Tested Profile	Minimum Ft-lbs. Torque	Maximum Ft-lbs. Torque
3320	5/16-18 x 11/16 Flanged BHSCS & Economy T-Nut	1515	10.00	15.00
3325	5/16-18 x 3/4 Economy T-Slot Stud, Washer & Hex Nut	1515	25.00	30.00
3360	15 Series Anchor Fastener Assembly	1515-Lite	10.00	20.00
3380	15 Series End Fastener Assembly	1515-Lite	10.00	22.00
3321	1/4-20 x 1/2 Flanged BHSCS & Economy T-Nut	1010	4.00	6.00
3395	10 Series Anchor Fastener Assembly	1010	3.00	17.00
3381	10 Series End Fastener Assembly	1010	4.00	17.00

Fastener Application Tests



Fastener	1010 Profile			1515-Lite Profile			1515 Profile		
	A (lbs.)	B (lbs.)	C (Inch-lbs.)	A (lbs.)	B (lbs.)	C (Inch-lbs.)	A (lbs.)	B (lbs.)	C (Inch-lbs.)
1	500	250	180	950	625	540	950	1,000	700
2	900	250	260	1,200	700	1,150	1,200	1,200	2,000
3	450	200	325	1,000	500	680	1,000	820	1,150
4	175	50	400	225	200	1,000	225	200	1,100
5	175	50	500	250	200	1,120	250	200	1,260
6	325	75	180	375	225	500	575	225	500
7	325	220	260	375	750	500	575	750	500
8	N/A	N/A	N/A	50	50	50	N/A	N/A	N/A
9	N/A	N/A	N/A	240	220	240	N/A	N/A	N/A

Note: Plates, brackets and gussets were attached with 80/20® recommended bolt kits. Fasteners were tightened according to 80/20 torque specifications found at the top of the page.

Test results reflect the connection failure point. Loads at or above these points are not recommended.

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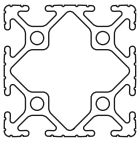
10 Series Profile Material Specifications

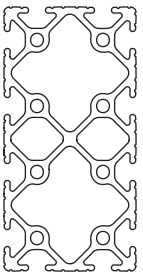
1010
.4379 Sq. In.

1012
.4280 Sq. In.

2012
.5653 Sq. In.

1020
.7914 Sq. In.

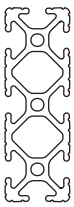

2020
1.2079 Sq. In.


2040
2.2462 Sq. In.

1001
.5069 Sq. In.

1002
.4834 Sq. In.

1050
.3161 Sq. In.


1030
1.1596 Sq. In.

1003
.4582 Sq. In.

1004
.4819 Sq. In.

Compatibility Code*: 6-10

Part No.	1010	1001	1002	1003	1004	1012
Material	6105-T5 Aluminum					
Finish	Clear Anodize #204-R1					
Weight Per Foot	.5097 Lbs.	.5900 Lbs.	.5627 Lbs.	.5333 Lbs.	.5609 Lbs.	.4982 Lbs.
Stock Length **	97", 145", 242"	145" or 242"	145" or 242"	145" or 242"	145" or 242"	145" or 242"
Moment of Inertia	IX=.0442"⁴ IY=.0442"⁴	IX=.0493"⁴ IY=.0542"⁴	IX=.0492"⁴ IY=.0492"⁴	IX=.0441"⁴ IY=.0491"⁴	IX=.0443"⁴ IY=.0541"⁴	IX=.0400"⁴ IY=.0400"⁴
Estimated Area	.4379 Sq. In.	.5069 Sq. In.	.4834 Sq. In.	.4582 Sq. In.	.4819 Sq. In.	.4280 Sq. In.
Modulus of Elasticity	10,200,000 Lbs./Sq. In.					

Part No.	1050	2012	1020	1030	2020	2040
Material	6105-T5 Aluminum					
Finish	Clear Anodize #204-R1					
Weight Per Foot	.3679 Lbs.	.6580 Lbs.	.9212 Lbs.	1.3498 Lbs.	1.4060 Lbs.	2.6146 Lbs.
Stock Length **	145"	145"	97", 145", 242"	145" or 242"	145" or 242"	145" or 242"
Moment of Inertia	IX=.0074"⁴ IY=.0323"⁴	IX=.2253"⁴ IY=.0146"⁴	IX=.3078"⁴ IY=.0833"⁴	IX=.9711"⁴ IY=.1238"⁴	IX=.5509"⁴ IY=.5509"⁴	IX=3.5168"⁴ IY=1.0513"⁴
Estimated Area	.3161 Sq. In.	.5653 Sq. In.	.7914 Sq. In.	1.1596 Sq. In.	1.2079 Sq. In.	2.2462 Sq. In.
Modulus of Elasticity	10,200,000 Lbs./Sq. In.					

* See Compatibility Code information on page 152.
** For profile lengths other than stock length refer to page 563 for profile cut to length services.

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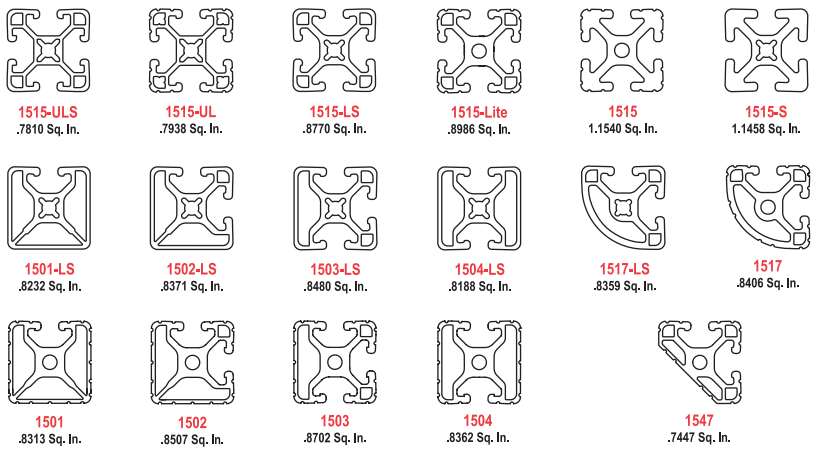
15 Series Profile Material Specifications



Compatibility Code*: 8-15

Part No.	1515-ULS	1515-UL	1515-LS	1515-Lite	1515-S
Material	6105-T5 Aluminum				
Finish	Clear Anodize #204-R1				
Weight Per Foot	.9360 Lbs.	.9240 Lbs.	1.0530 Lbs.	1.0460 Lbs.	1.3338 Lbs.
Stock Length **	145" or 242"	145" or 242"	145" or 242"	97", 145", 242"	145" or 242"
Moment of Inertia	IX=.1765"^{4} IY=.1765"^{4}	IX=.1772"^{4} IY=.1772"^{4}	IX=.1921"^{4} IY=.1921"^{4}	IX=.1853"^{4} IY=.1853"^{4}	IX=.2631"^{4} IY=.2631"^{4}
Estimated Area	.7810 Sq. In.	.7938 Sq. In.	.8770 Sq. In.	8986 Sq. In.	1.1458 Sq. In.
Modulus of Elasticity	10,200,000 Lbs./Sq. In.				

Part No.	1515	1501-LS	1501	1502-LS	1502	1503-LS
Material	6105-T5 Aluminum					
Finish	Clear Anodize #204-R1					
Weight Per Foot	1.3433 Lbs.	.9582 Lbs.	.9676 Lbs.	.9744 Lbs.	.9902 Lbs.	.9871 Lbs.
Stock Length **	97", 145", 242"	145"	145" or 242"	145"	145" or 242"	145"
Moment of Inertia	IX=.2542"^{4} IY=.2542"^{4}	IX=.1820"^{4} IY=.1799"^{4}	IX=.1726"^{4} IY=.1694"^{4}	IX=.1834"^{4} IY=.1834"^{4}	IX=.1660"^{4} IY=.1730"^{4}	IX=.1859"^{4} IY=.1840"^{4}
Estimated Area	1.1540 Sq. In.	.8232 Sq. In.	.8313 Sq. In.	.8371 Sq. In.	.8507 Sq. In.	.8480 Sq. In.
Modulus of Elasticity	10,200,000 Lbs./Sq. In.					

Part No.	1503	1504-LS	1504	1547	1517-LS	1517
Material	6105-T5 Aluminum					
Finish	Clear Anodize #204-R1					
Weight Per Foot	1.0129 Lbs.	.9530 Lbs.	.9733 Lbs.	.8668 Lbs.	.9729 Lbs.	.9785 Lbs.
Stock Length **	145" or 242"	145"	145" or 242"	145" or 242"	145"	97", 145", 242"
Moment of Inertia	IX=.1760"^{4} IY=.1790"^{4}	IX=.1796"^{4} IY=.1759"^{4}	IX=.1729"^{4} IY=.1665"^{4}	IX=.1365"^{4} IY=.1365"^{4}	IX=.1686"^{4} IY=.1686"^{4}	IX=.1662"^{4} IY=.1662"^{4}
Estimated Area	.8702 Sq. In.	.8188 Sq. In.	.8362 Sq. In.	.7447 Sq. In.	.8359 Sq. In.	.8406 Sq. In.
Modulus of Elasticity	10,200,000 Lbs./Sq. In.					

* See Compatibility Code information on page 152.

** For profile lengths other than stock length refer to page 563 for profile cut to length services.

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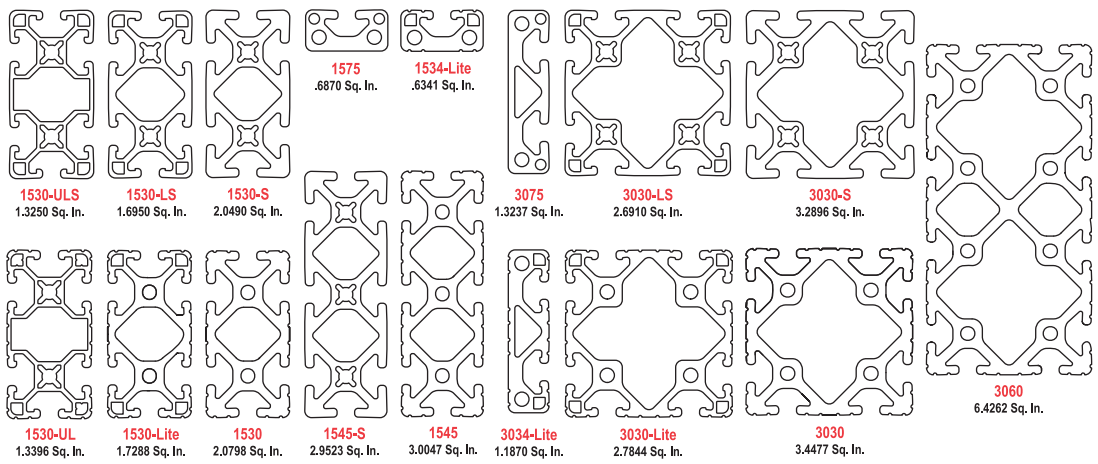
THE STANDARD

15 Series



Compatibility Code*: 8-15

Part No.	1575	1534-Lite	3075	3034-Lite	1530-ULS	1530-UL
Material	6105-T5 Aluminum					
Finish	Clear Anodize #204-R1					
Weight Per Foot	.7997 Lbs.	.7381 Lbs.	1.5408 Lbs.	1.3817 Lbs.	1.591 Lbs.	1.6090 Lbs.
Stock Length **	145”	145”	145” or 242”	145"	145” or 242”	145” or 242”
Moment of Inertia	IX=.0380”⁴ IY=.1470”⁴	IX=.0356”⁴ IY=.1360”⁴	IX=1.0672”⁴ IY=0.0789”⁴	IX=.9829”⁴ IY=.0725”⁴	IX= 1.9770”⁴ IY= 0.3140”⁴	IX= 1.9978”⁴ IY= 0.3146”⁴
Estimated Area	.6870 Sq. In.	.6341 Sq. In.	1.3237 Sq. In.	1.1870 Sq. In.	1.325 Sq. In.	1.3396 Sq. In.
Modulus of Elasticity	10,200,000 Lbs./Sq. In.					

Part No.	1530-LS	1530-Lite	1530-S	1530	1545-S	1545
Material	6105-T5 Aluminum					
Finish	Clear Anodize #204-R1					
Weight Per Foot	2.0340 Lbs.	2.0123 Lbs.	2.3850 Lbs.	2.4209 Lbs.	3.4365 Lbs.	3.4975 Lbs.
Stock Length **	145” or 242”	97”, 145”, 242”	145" or 242"	97”, 145”, 242”	145" or 242"	145” or 242”
Moment of Inertia	IX= 1.3881”⁴ IY= 0.4061”⁴	IX=1.3847”⁴ IY=0.3935”⁴	IX=1.8127”⁴ IY=.4957”⁴	IX=1.8042”⁴ IY=0.4824”⁴	IX=5.6675”⁴ IY=.7282”⁴	IX=5.6929”⁴ IY=0.7097”⁴
Estimated Area	1.6950 Sq. In.	1.7288 Sq. In.	2.0490 Sq. In.	2.0798 Sq. In.	2.9523 Sq. In.	3.0047 Sq. In.
Modulus of Elasticity	10,200,000 Lbs./Sq. In.					

Part No.	3030-LS	3030-Lite	3030-S	3030	3060
Material	6105-T5 Aluminum				
Finish	Clear Anodize #204-R1				
Weight Per Foot	3.2280 Lbs.	3.2411 Lbs.	3.8291 Lbs.	4.0131 Lbs.	7.4801 Lbs.
Stock Length **	145” or 242”	145" or 242"	145” or 242”	145" or 242"	145", 192” or 242”
Moment of Inertia	IX= 2.6861”⁴ IY= 2.6861”⁴	IX=2.6959”⁴ IY=2.6959”⁴	IX=3.3496”⁴ IY=3.3496”⁴	IX=3.4133”⁴ IY=3.4133”⁴	IX=22.0300”⁴ IY=6.5164”⁴
Estimated Area	2.6910 Sq. In.	2.7844 Sq. In.	3.2896 Sq. In.	3.4477 Sq. In.	6.4262 Sq. In.
Modulus of Elasticity	10,200,000 Lbs./Sq. In.				

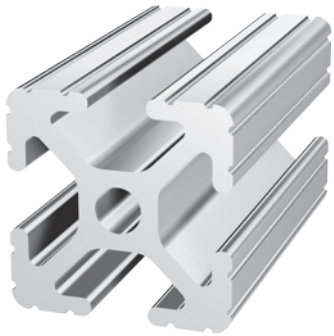
* See Compatibility Code information on page 152.
** For profile lengths other than stock length refer to page 563 for profile cut to length services.

We specialize in FAST™ *same day shipments!*

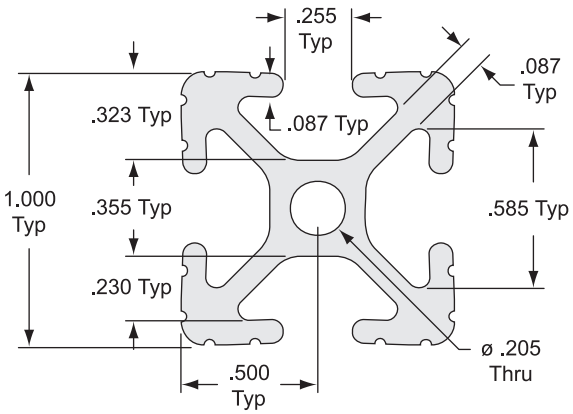
1010 T-Slotted Profile - 10 Series

- Compatible with all 10 Series fasteners
- Four open T-slots for mounting accessories
- 1010 is ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code*: 6-10

VIBRATION PROOF™ **



Part No.	1010
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.5097 Lbs.
Stock Length (+/- .125")	97" - Part No. 1010-97 145" - Part No. 1010-145 242" - Part No. 1010-242
Moment Of Inertia	IX=.0442"⁴ IY=.0442"⁴
Estimated Area	.4379 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7005 (see page 563)
.218" Access Hole	7051 (see page 565)
Anchor Counterbore	7042 (see page 567)
Tap Profile End	7061 (see page 564)

Pre-Cut Lengths

48" - Part No. 1010-48	72" - Part No. 1010-72

- Pre-cut, ready to ship
- Cut to our standard tolerance of +/- .015"
- One part number, one price (includes cut charge)

Note: Look for the icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

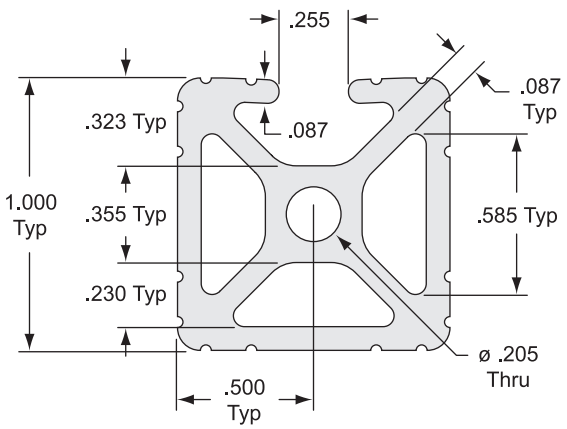
80/20® Inc.
The Industrial Erector Set®
THE STANDARD

1001 T-Slotted Profile - 10 Series

- Compatible with all 10 Series fasteners
- Three closed sides with one open
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code*: 6-10

VIBRATION** PROOF™

Part No.	1001
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.5900 Lbs.
Stock Length (+/- .125")	145" - Part No. 1001-145 242" - Part No. 1001-242
Moment Of Inertia	IX=.0493"⁴ IY=.0542"⁴
Estimated Area	.5069 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7005 (see page 563)
.218" Access Hole	7051 (see page 565)
Anchor Counterbore	7042 (see page 567)
Tap Profile End	7061 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

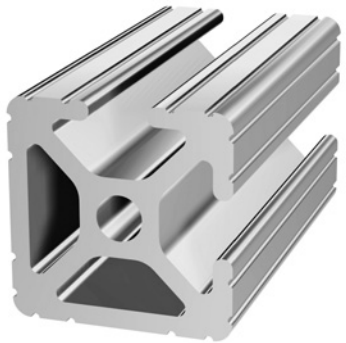
Note: Look for the ⌘ icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

We specialize in FAST™ *same day shipments!*

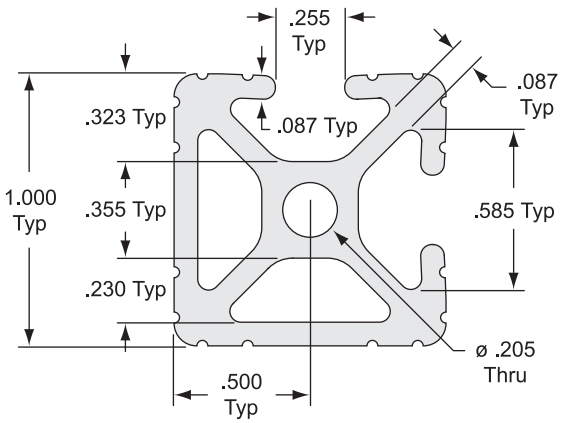
1002 T-Slotted Profile - 10 Series

- Compatible with all 10 Series fasteners
- Two adjacent closed sides, two adjacent open sides
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code*: 6-10

VIBRATION PROOF™ **



Part No.	1002
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.5627 Lbs.
Stock Length (+/- .125")	145" - Part No. 1002-145 242" - Part No. 1002-242
Moment Of Inertia	IX=.0492"⁴ IY=.0492"⁴
Estimated Area	.4834 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7005 (see page 563)
.218" Access Hole	7051 (see page 565)
Anchor Counterbore	7042 (see page 567)
Tap Profile End	7061 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

Note: Look for the icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

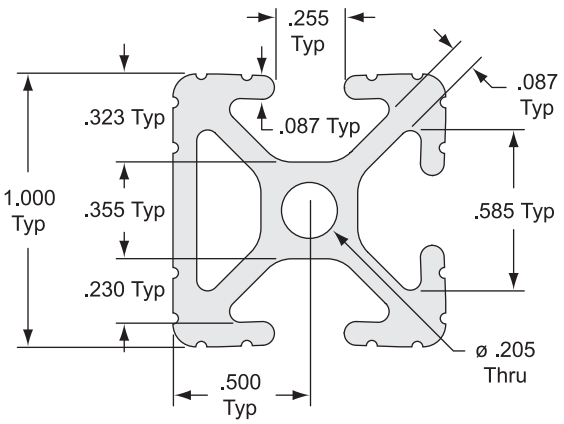
80/20® Inc.
The Industrial Erector Set®
THE STANDARD

1003 T-Slotted Profile - 10 Series

- Compatible with all 10 Series fasteners
- One closed side with three open T-slots
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code*: 6-10

VIBRATION PROOF™ **

Part No.	1003
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.5333 Lbs.
Stock Length (+/- .125")	145" - Part No. 1003-145 242" - Part No. 1003-242
Moment Of Inertia	IX=.0441"⁴ IY=.0491"⁴
Estimated Area	.4582 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7005 (see page 563)
.218" Access Hole	7051 (see page 565)
Anchor Counterbore	7042 (see page 567)
Tap Profile End	7061 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

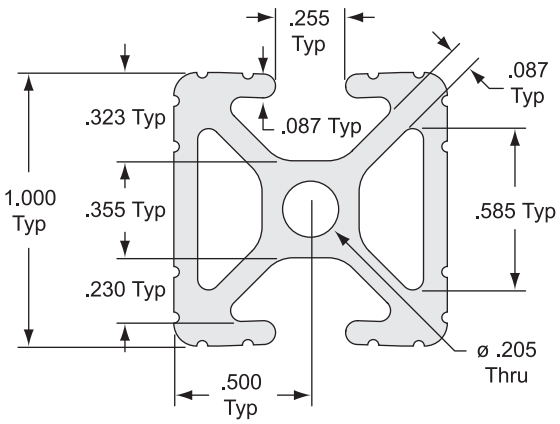
Note: Look for the ⌘ icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

1004 T-Slotted Profile - 10 Series

- Compatible with all 10 Series fasteners
- Two opposite closed-side faces
- The 1004 profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code*: 6-10

VIBRATION PROOF™ **

Part No.	1004
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.5609 Lbs.
Stock Length (+/- .125")	145" - Part No. 1004-145 242" - Part No. 1004-242
Moment Of Inertia	IX=.0443"⁴ IY=.0541"⁴
Estimated Area	.4819 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7005 (see page 563)
.218" Access Hole	7051 (see page 565)
Anchor Counterbore	7042 (see page 567)
Tap Profile End	7061 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

Note: Look for the icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

80/20® Inc.
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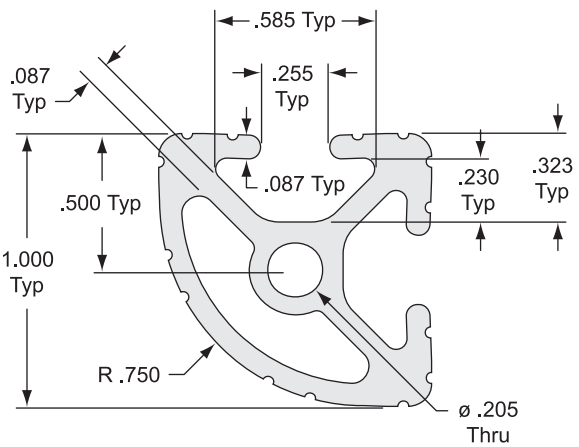
1012 T-Slotted Profile - 10 Series

- Compatible with all 10 Series fasteners
- A .750" radius curved back with two open T-slots
- The 1012 profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Use 1012 for light-duty workstations, displays, exhibits, inspection devices or office furniture
- Compatibility Code*: 6-10

VIBRATION** PROOF™

Part No.	1012
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.4982 Lbs.
Stock Length (+/- .125")	145" - Part No. 1012-145 242" - Part No. 1012-242
Moment Of Inertia	IX=.0400"⁴ IY=.0400"⁴
Estimated Area	.4280 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7005 (see page 563)
.218" Access Hole	7051 (see page 565)
Anchor Counterbore	7042 (see page 567)
Tap Profile End	7061 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

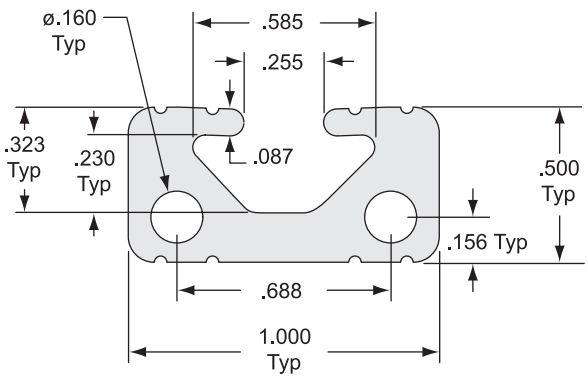
Note: Look for the ⌘ icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

1050 T-Slotted Profile - 10 Series

- Compatible with most 10 Series fasteners
- Thinner T-slotted profile that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile
- Compatibility Code*: 6-10

VIBRATION PROOF™ **

Part No.	1050
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.3679 Lbs.
Stock Length (+/- .125")	145" - Part No. 1050-145
Moment Of Inertia	IX=.0074"⁴ IY=.0323"⁴
Estimated Area	.3161 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7005 (see page 563)
.218" Access Hole	7051 (see page 565)
Anchor Counterbore	7042 (see page 567)
Tap Profile End	7006 (see page 564)
Drill & Counterbore	7256 (see page 574)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

Note: Look for the icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

80/20® Inc.
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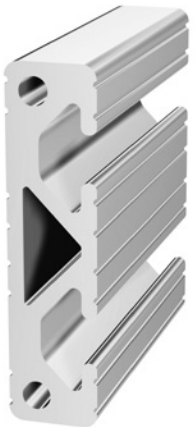
THE STANDARD

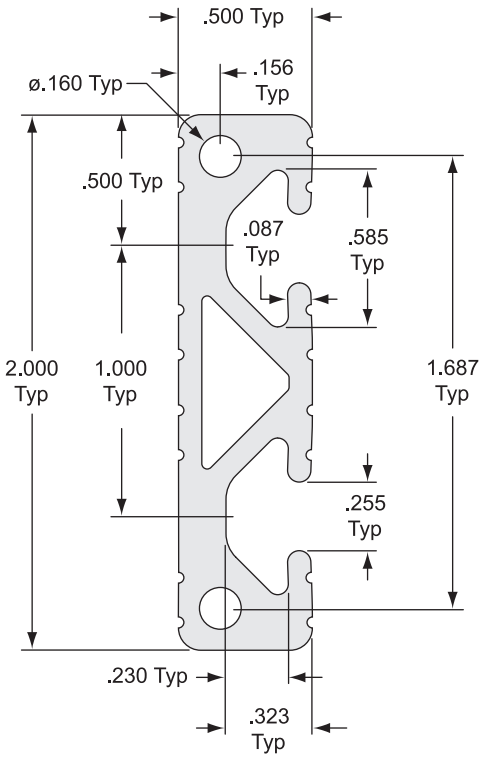
2012 T-Slotted Profile - 10 Series

- Compatible with most 10 Series fasteners
- Thinner T-slotted profile that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile
- Compatibility Code*: 6-10

VIBRATION** PROOF™



Part No.	2012
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.6580 Lbs.
Stock Length (+/- .125")	145" - Part No. 2012-145
Moment Of Inertia	IX=.2253"⁴ IY=.0146"⁴
Estimated Area	.5653 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7000 (see page 563)
.218" Access Hole	7051 (see page 565)
Anchor Counterbore	7042 (see page 567)
Tap Profile End	7008 (see page 564)
Drill & Counterbore	7256 (see page 574)

Note: Look for the ⌘ icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

* See Compatibility Code information on page 152.

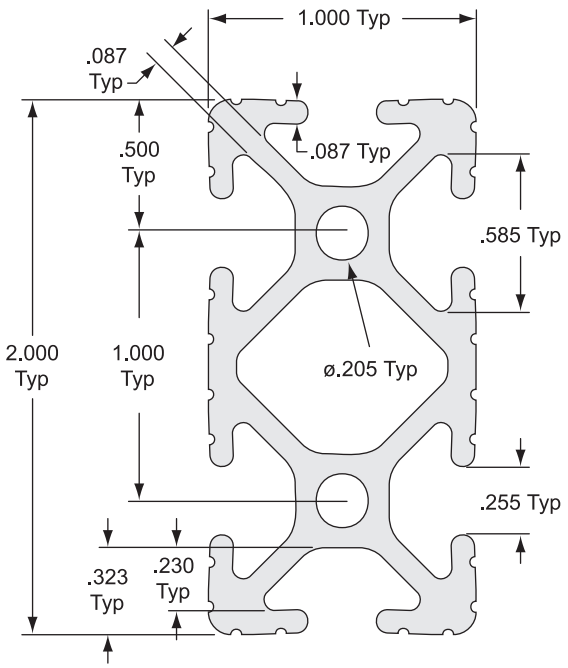
** See 2° Drop-Lock information on page 150.

1020 T-Slotted Profile - 10 Series

- Compatible with most 10 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code*: 6-10

VIBRATION PROOF™ **

Part No.	1020
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9212 Lbs.
Stock Length (+/- .125")	97" - Part No. 1020-97 145" - Part No. 1020-145 242" - Part No. 1020-242
Moment Of Inertia	IX=.3078"⁴ IY=.0833"⁴
Estimated Area	.7914 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7000 (see page 563)
.218" Access Hole	7051 (see page 565)
Anchor Counterbore	7042 (see page 567)
Tap Profile End	7046 (see page 564)

Note: Look for the icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

Pre-Cut Lengths

48" - Part No. 1020-48	72" - Part No. 1020-72

- Pre-cut, ready to ship
- Cut to our standard tolerance of +/- .015"
- One part number, one price (includes cut charge)

* See Compatibility Code information on page 150.

** See 2° Drop-Lock information on page 150.

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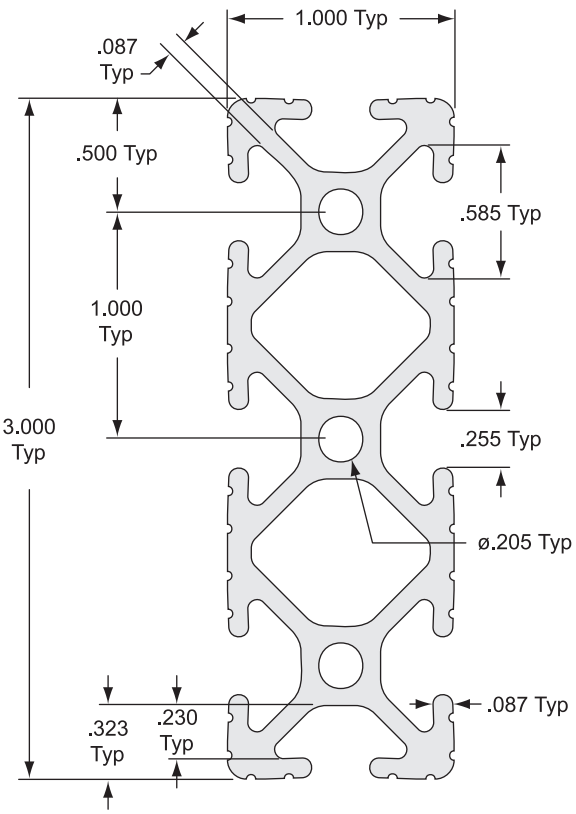
1030 T-Slotted Profile - 10 Series

- Compatible with all 10 Series fasteners
- Eight open T-slots for mounting accessories
- Great for linear motion, machine frames, robotics and supports
- The cavities can be pressurized up to 150 psi; refer to pages 451-453
- Compatibility Code*: 6-10

VIBRATION PROOF™ **

Part No.	1030
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.3498 Lbs.
Stock Length (+/- .125")	145" - Part No. 1030-145 242" - Part No. 1030-242
Moment Of Inertia	IX=.9711"⁴ IY=.1238"⁴
Estimated Area	1.1596 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7003 (see page 563)
.218" Access Hole	7051 (see page 565)
Anchor Counterbore	7042 (see page 567)
Tap Profile End	7036 (see page 564)

Note: Look for the icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

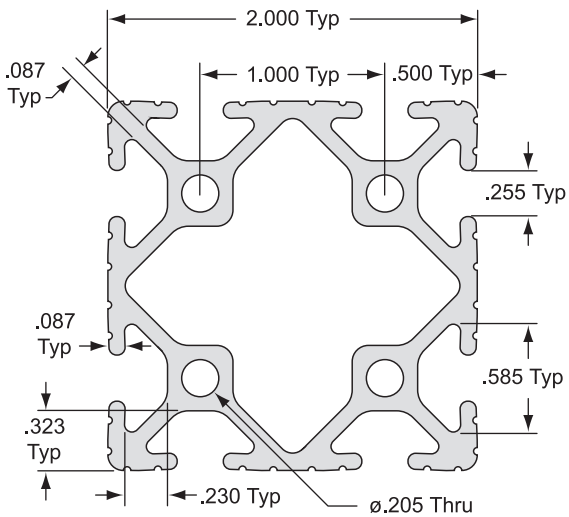
We specialize in FAST™ same day shipments!

2020 T-Slotted Profile - 10 Series

- Compatible with all 10 Series fasteners
- Eight open T-slots for mounting accessories
- The 2020 profile is ideal for applications where strength and open T-slots are required
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Compatibility Code*: 6-10

VIBRATION PROOF™ **

Part No.	2020
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.4060 Lbs.
Stock Length (+/- .125")	145" - Part No. 2020-145 242" - Part No. 2020-242
Moment Of Inertia	IX=.5509"⁴ IY=.5509"⁴
Estimated Area	1.2079 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7012 (see page 563)
.218" Access Hole	7051 (see page 565)
Anchor Counterbore	7042 (see page 567)
Tap Profile End	7064 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

Note: Look for the icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

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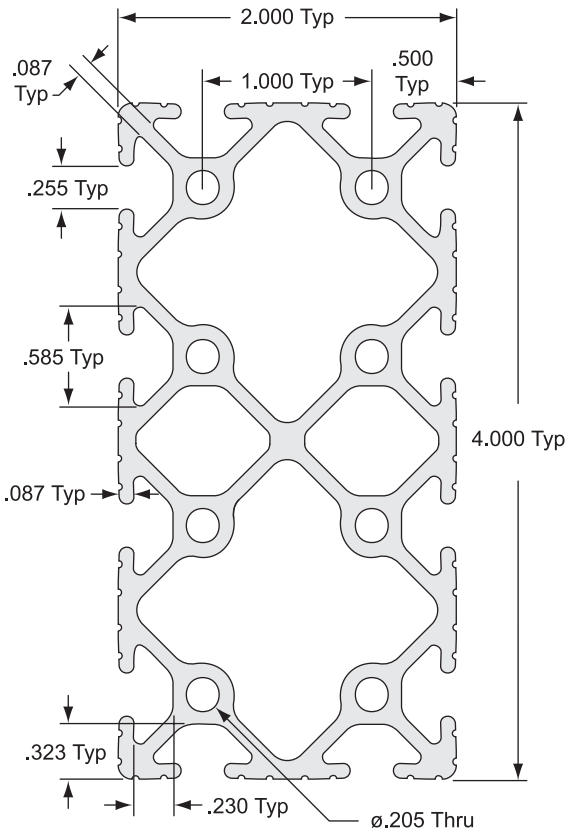
2040 T-Slotted Profile - 10 Series

- Compatible with all 10 Series fasteners
- 12 open T-slots for mounting accessories
- The 2040 profile is ideal for applications where strength and open T-slots are required
- The cavities can be pressurized up to 150 psi; refer to pages 451-453
- Compatibility Code*: 6-10

VIBRATION PROOF™ **

Part No.	2040
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	2.6146 Lbs.
Stock Length (+/- .125")	145" - Part No. 2040-145 242" - Part No. 2040-242
Moment Of Inertia	IX=3.5168"⁴ IY=1.0513"⁴
Estimated Area	2.2563 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7013 (see page 563)
.218" Access Hole	7051 (see page 565)
Anchor Counterbore	7042 (see page 567)
Tap Profile End	7038 (see page 564)

Note: Look for the ⌘ icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

* See Compatibility Code information on page 152.

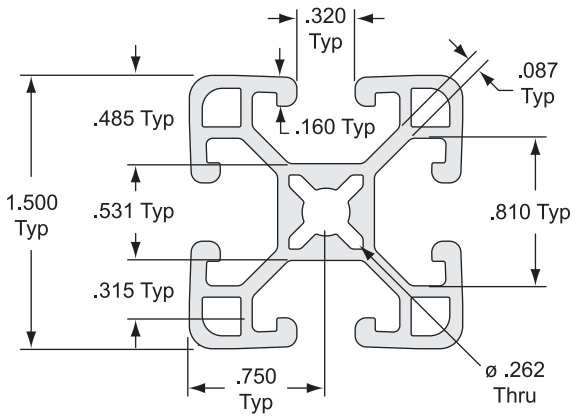
** See 2° Drop-Lock information on page 150.

1515-ULS T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Four open T-slots for mounting accessories
- 1515-ULS is a great choice when modularity is needed in lightweight applications such as guards, enclosures, workstations and furniture
- 1515-ULS profile has a smooth surface
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	1515-ULS
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9360 Lbs.
Stock Length (+/- .125")	145" - Part No. 1515-ULS-145 242" - Part No. 1515-ULS-242
Moment Of Inertia	IX=.1765"⁴ IY=.1765"⁴
Estimated Area	.7810 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

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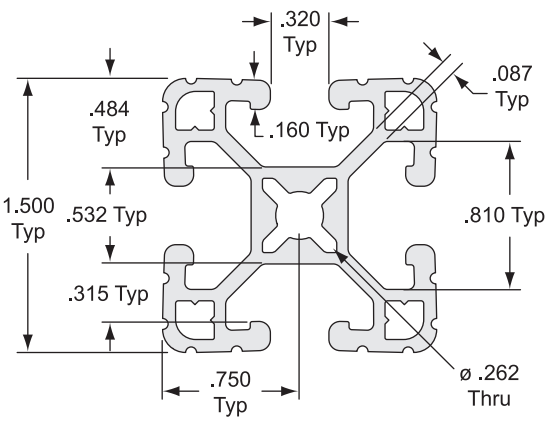
1515-UL T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Four open T-slots for mounting accessories
- 1515-UL is a great choice when modularity is needed in lightweight applications such as guards, enclosures, workstations and furniture
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	1515-UL
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9240 Lbs.
Stock Length (+/- .125")	145" - Part No. 1515-UL-145 242" - Part No. 1515-UL-242
Moment Of Inertia	IX=.1772"⁴ IY=.1772"⁴
Estimated Area	.7938 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

* See Compatibility Code information on page 152.
** See 2° Drop-Lock information on page 150.

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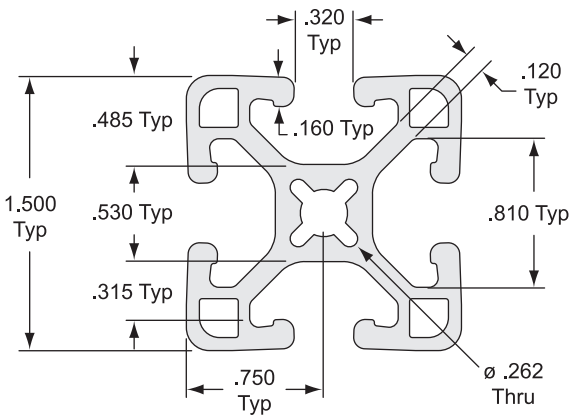
1515-LS T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Four open T-slots for mounting accessories
- 1515-LS is a great choice when strength is needed in lightweight applications such as guards, enclosures, workstations and furniture
- 1515-LS profile has a smooth surface
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	1515-LS
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.053 Lbs.
Stock Length (+/- .125")	145" - Part No. 1515-LS-145 242" - Part No. 1515-LS-242
Moment Of Inertia	IX=.1921"⁴ IY=.1921"⁴
Estimated Area	.8770 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

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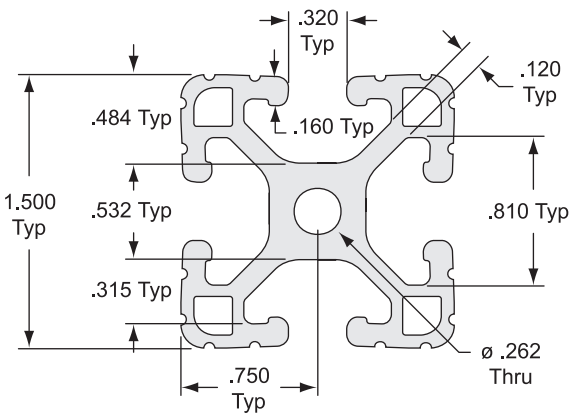
1515-Lite T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Four open T-slots for mounting accessories
- 1515-Lite is a great choice when strength is needed in lightweight applications such as guards, enclosures, workstations and furniture
- Compatibility Code*: 8-15

VIBRATION** PROOF™

Part No.	1515-Lite
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.0460 Lbs.
Stock Length (+/- .125")	97" - Part No. 1515-Lite-97 145" - Part No. 1515-Lite-145 242" - Part No. 1515-Lite-242
Moment Of Inertia	IX=.1853"⁴ IY=.1853"⁴
Estimated Area	.8986 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

* See Compatibility Code information on page 152.

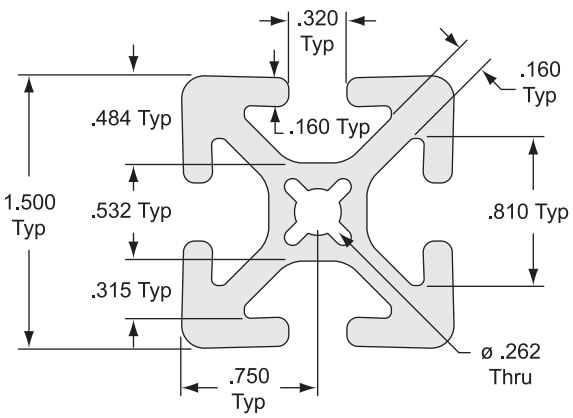
** See 2° Drop-Lock information on page 150.

1515-S T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Four open T-slots for mounting accessories
- 1515-S is ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- 1515-S profile has a smooth surface
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	1515-S
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.3338 Lbs.
Stock Length (+/- .125")	145" - Part No. 1515-S-145 242" - Part No. 1515-S-242
Moment Of Inertia	IX=.2631"⁴ IY=.2631"⁴
Estimated Area	1.1458 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

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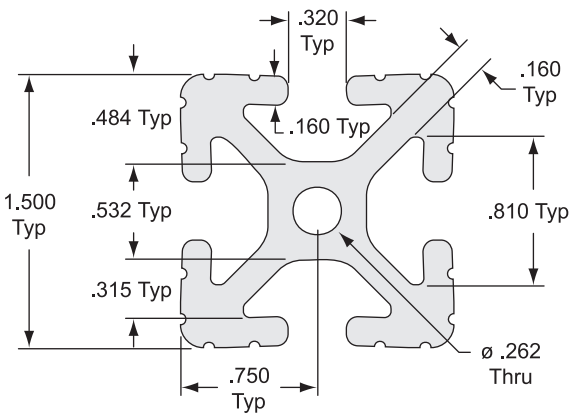
1515 T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Four open T-slots for mounting accessories
- 1515 is ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	1515
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.3433 Lbs.
Stock Length (+/- .125")	97" - Part No. 1515-97 145" - Part No. 1515-145 242" - Part No. 1515-242
Moment Of Inertia	IX=.2524"⁴ IY=.2524"⁴
Estimated Area	1.1540 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

Pre-Cut Lengths

48" - Part No. 1515-48	72" - Part No. 1515-72

- Pre-cut, ready to ship
- Cut to our standard tolerance of +/- .015"
- One part number, one price (includes cut charge)

* See Compatibility Code information on page 152.

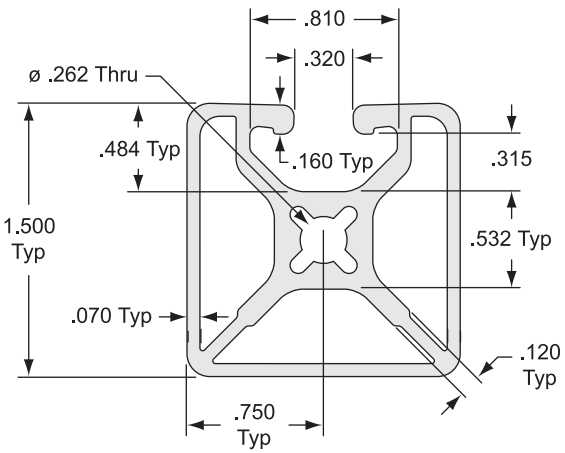
** See 2° Drop-Lock information on page 150.

1501-LS T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Three closed sides with one open T--slot
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- 1501-LS profile has a smooth surface
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	1501-LS
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9582 Lbs.
Stock Length (+/- .125")	145" - Part No. 1501-LS-145
Moment Of Inertia	IX=.1820"⁴ IY=.1799"⁴
Estimated Area	.8232 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

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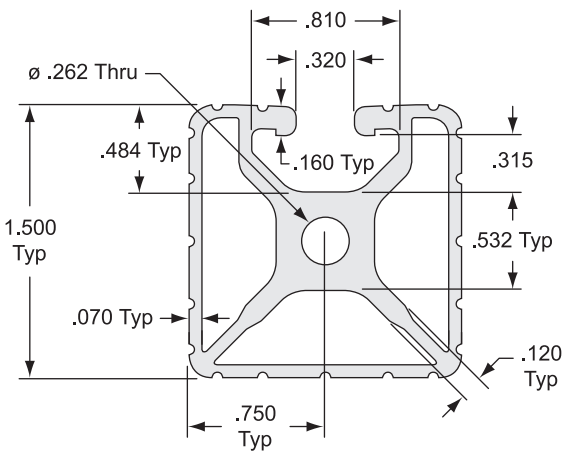
1501 T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Three closed sides with one open T-slot
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code*: 8-15

VIBRATION** PROOF™

Part No.	1501
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9676 Lbs.
Stock Length (+/- .125")	145" - Part No. 1501-145 242" - Part No. 1501-242
Moment Of Inertia	IX=.1726"⁴ IY=.1694"⁴
Estimated Area	.8313 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

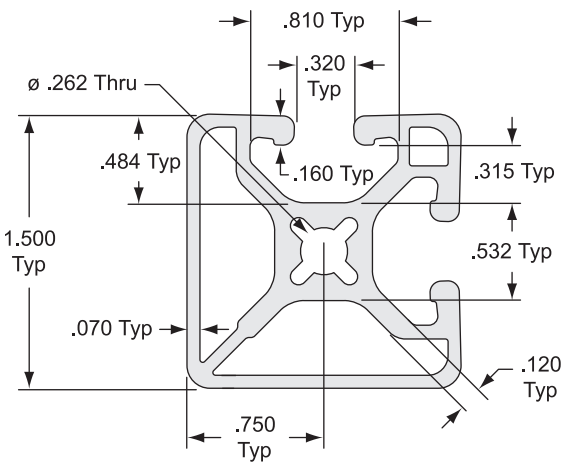
* See Compatibility Code information on page 152.
** See 2° Drop-Lock information on page 150.

1502-LS T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Two closed sides with two open T-slots, each adjacent to one another
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- 1502-LS profile has a smooth surface
- Compatibility Code*: 8-15

VIBRATION** PROOF™

Part No.	1502-LS
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9744 Lbs.
Stock Length (+/- .125")	145" - Part No. 1502-LS-145
Moment Of Inertia	IX=.1834"⁴ IY=.1834"⁴
Estimated Area	.8371 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

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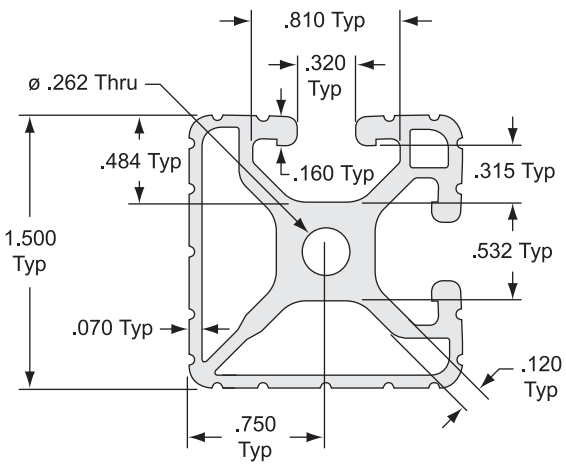
1502 T-Slotted Profile - 15 Series

- **Compatible with all 15 Series fasteners**
- **Two closed sides, two open T-slots, each adjacent to one another**
- **Clean, aesthetic look**
- **Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look**
- **Compatibility Code*: 8-15**

VIBRATION PROOF™ **

Part No.	1502
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9902 Lbs.
Stock Length (+/- .125")	145" - Part No. 1502-145 242" - Part No. 1502-242
Moment Of Inertia	IX=.1660"⁴ IY=.1730"⁴
Estimated Area	.8507 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

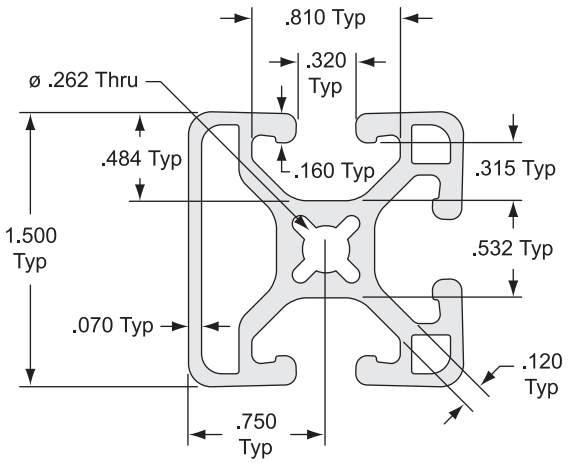
* See Compatibility Code information on page 152.
** See 2° Drop-Lock information on page 150.

1503-LS T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- One closed side with three open T-slots
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- 1503-LS profile has a smooth surface
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	1503-LS
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9871 Lbs.
Stock Length (+/- .125")	145" - Part No. 1503-LS-145
Moment Of Inertia	IX=.1859"⁴ IY=.1840"⁴
Estimated Area	.8480 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

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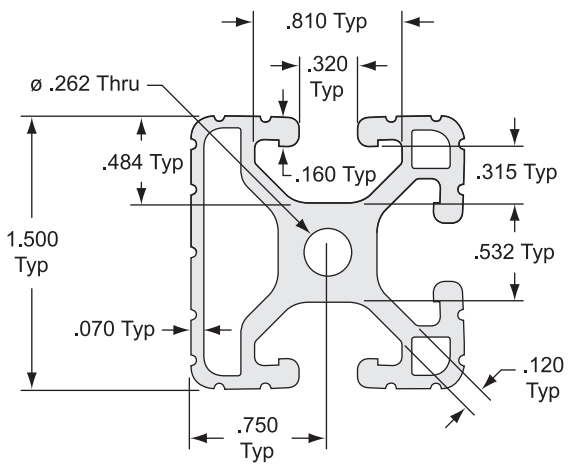
1503 T-Slotted Profile - 15 Series

- **Compatible with all 15 Series fasteners**
- **One closed side with three open T-slots**
- **Clean, aesthetic look**
- **Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look**
- **Compatibility Code*: 8-15**

VIBRATION** PROOF™

Part No.	1503
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.0129 Lbs.
Stock Length (+/- .125")	145" - Part No. 1503-145 242" - Part No. 1503-242
Moment Of Inertia	IX=.1760"⁴ IY=.1790"⁴
Estimated Area	.8702 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

* See Compatibility Code information on page 152.
** See 2° Drop-Lock information on page 150.

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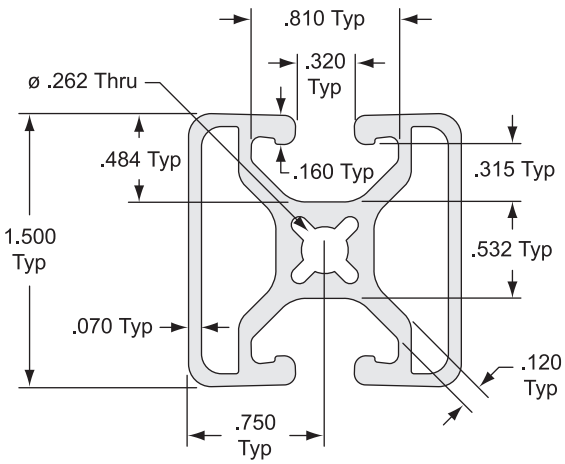
1504-LS T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Two closed sides with two open T-slots, opposite each other
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- 1504-LS profile has a smooth surface
- Compatibility Code*: 8-15

VIBRATION** PROOF™

Part No.	1504-LS
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9530 Lbs.
Stock Length (+/- .125")	145" - Part No. 1504-LS-145
Moment Of Inertia	IX=.1796"⁴ IY=.1759"⁴
Estimated Area	.8188 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

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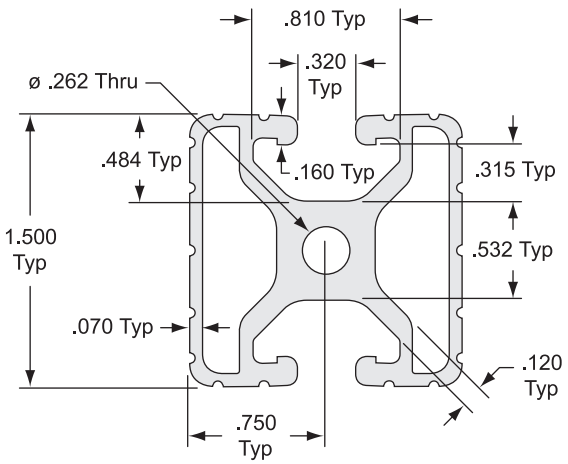
1504 T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Two closed sides with two open T-slots, opposite each other
- The 1504 profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	1504
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9733 Lbs.
Stock Length (+/- .125")	145" - Part No. 1504-145 242" - Part No. 1504-242
Moment Of Inertia	IX=.1729"⁴ IY=.1665"⁴
Estimated Area	.8362 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

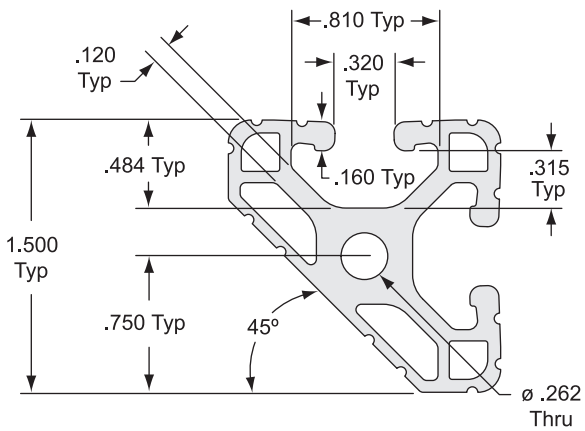
* See Compatibility Code information on page 152.
** See 2° Drop-Lock information on page 150.

1547 T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- A 45º angled back with two open T-slots
- The 1547 profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Use 1547 for large workstations, displays, exhibits, inspection devices or office furniture
- Compatibility Code*: 8-15

VIBRATION** PROOF™

Part No.	1547
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.8668 Lbs.
Stock Length (+/- .125")	145" - Part No. 1547-145 242" - Part No. 1547-242
Moment Of Inertia	IX=.1365"⁴ IY=.1365"⁴
Estimated Area	.7447 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

* See Compatibility Code information on page 152.

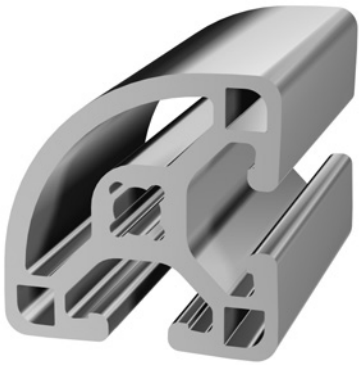
** See 2° Drop-Lock information on page 150.

80/20® Inc.
The Industrial Erector Set®
THE STANDARD

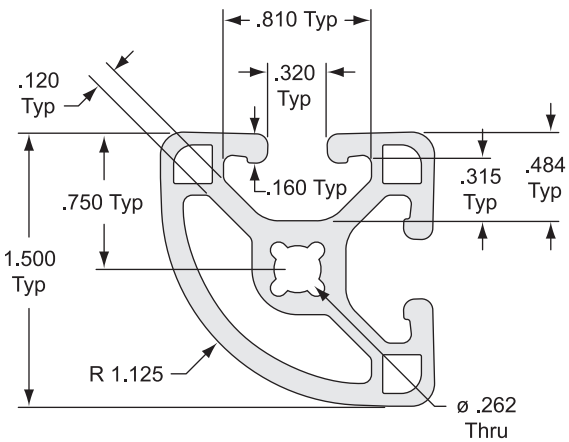
1517-LS T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- A 1.125" radius curved back with two open T-slots
- The 1517-LS profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Use 1517-LS for large workstations, displays, exhibits, inspection devices or office furniture
- 1517-LS profile has a smooth surface
- Compatibility Code*: 8-15

VIBRATION ** PROOF™



Part No.	1517-LS
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9729 Lbs.
Stock Length (+/- .125")	145" - Part No. 1517-LS-145
Moment Of Inertia	IX=.1686"⁴ IY=.1686"⁴
Estimated Area	.8359 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

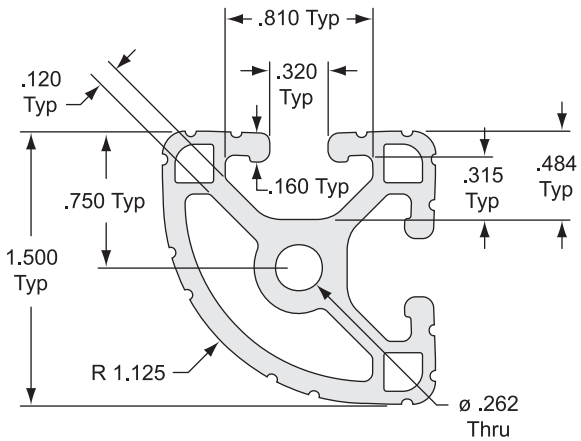
* See Compatibility Code information on page 152.
** See 2° Drop-Lock information on page 150.

1517 T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- A 1.125" radius curved back with two open T-slots
- The 1517 profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Use 1517 for large workstations, displays, exhibits, inspection devices or office furniture
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	1517
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9785 Lbs.
Stock Length (+/- .125")	97" - Part No. 1517-97 145" - Part No. 1517-145 242" - Part No. 1517-242
Moment Of Inertia	IX=.1662"⁴ IY=.1662"⁴
Estimated Area	.8406 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

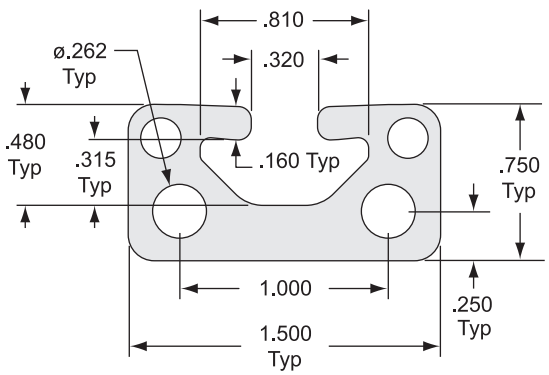
80/20® Inc.
The Industrial Erector Set®
THE STANDARD

1575 T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Thinner T-slotted profile that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile
- 1575 profile has a smooth surface
- Compatibility Code*: 8-15

VIBRATION ** PROOF™

Part No.	1575
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.7997 Lbs.
Stock Length (+/- .125")	145" - Part No. 1575-145
Moment Of Inertia	IX=.0380"^{4} IY=.1470"^{4}
Estimated Area	.6870 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7014 (see page 564)
Drill & Counterbore	7257 (see page 574)

* See Compatibility Code information on page 152.

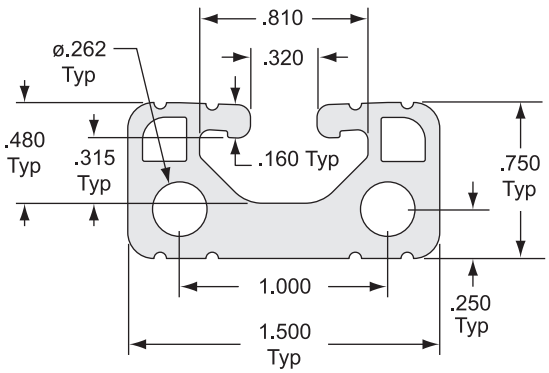
** See 2° Drop-Lock information on page 150.

1534-Lite T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Thinner T-slotted profile that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile
- Compatibility Code*: 8-15

VIBRATION** PROOF™

Part No.	1534-Lite
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.7381 Lbs.
Stock Length (+/- .125")	145" - Part No. 1534-Lite-145
Moment Of Inertia	IX=.0356"⁴ IY=.1360"⁴
Estimated Area	.6341 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7014 (see page 564)
Drill & Counterbore	7257 (see page 574)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

80/20® Inc.
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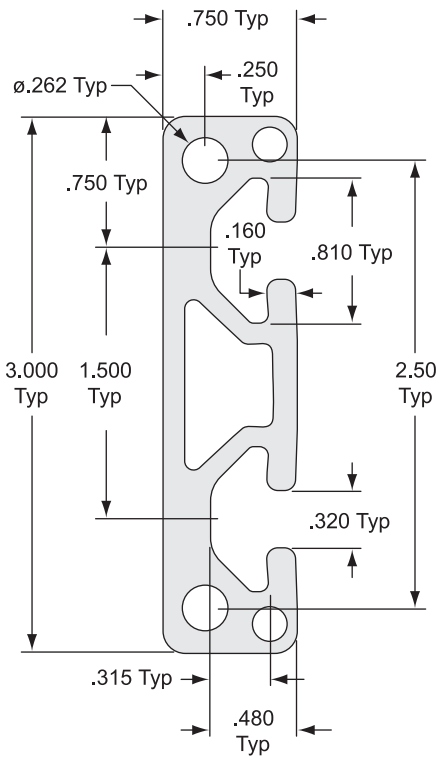
3075 T-Slotted Profile - 15 Series

- Compatible with most 15 Series fasteners
- Thinner T-slotted profile with a smooth surface that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile
- 3075 profile has a smooth surface
- Compatibility Code*: 8-15

VIBRATION** PROOF™

Part No.	3075
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.5408 Lbs.
Stock Length (+/- .125")	145" - Part No. 3075-145
Moment Of Inertia	IX=1.0672"⁴ IY=.0789"⁴
Estimated Area	1.3237 Sq. In.



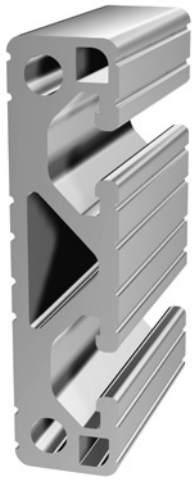
Quick Machining Reference

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7016 (see page 564)
Drill & Counterbore	7257 (see page 574)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

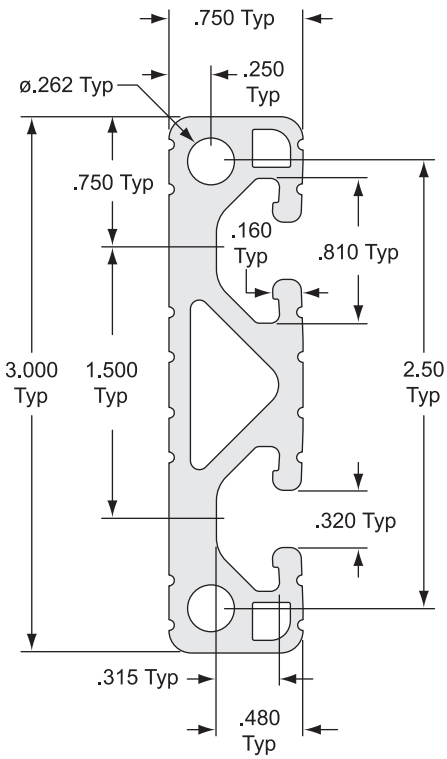
3034-Lite T-Slotted Profile - 15 Series



- **Compatible with most 15 Series fasteners**
- **Thinner T-slotted profile that mounts easily to flat surfaces**
- **Works great as a supporting structure or spacer for mounting accessories**
- **Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile**
- **Compatibility Code*: 8-15**

VIBRATION PROOF™ **

Part No.	3034-Lite
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.3817 Lbs.
Stock Length (+/- .125")	145" - Part No. 3034-Lite-145
Moment Of Inertia	IX=.9829"⁴ IY=.0725"⁴
Estimated Area	1.1870 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7016 (see page 564)
Drill & Counterbore	7257 (see page 574)

* See Compatibility Code information on page 152.

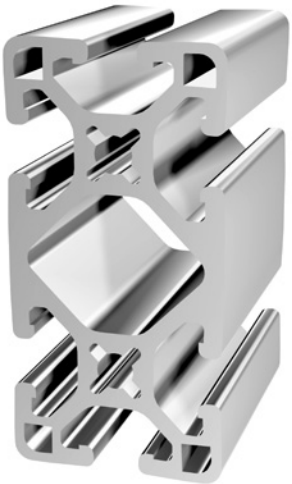
** See 2° Drop-Lock information on page 150.

80/20® Inc.
The Industrial Erector Set®
THE STANDARD

NEW! See our new 1530-ULS profile on page 56 of the New Products section.

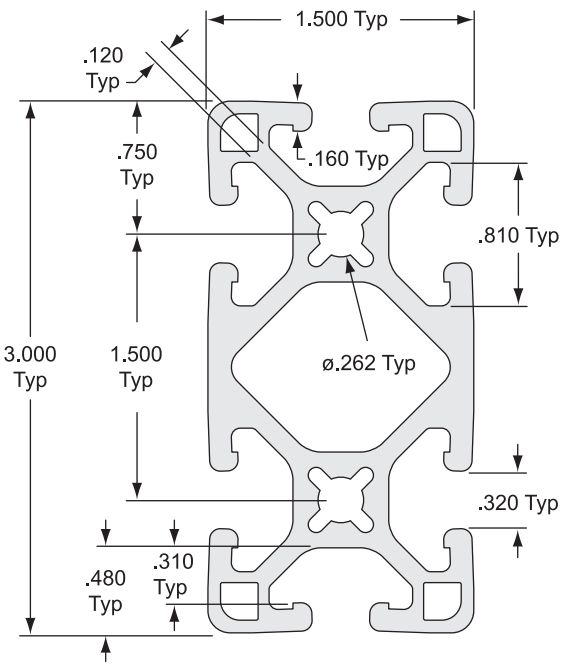
1530-LS T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- 1530-LS profile has a smooth surface
- Compatibility Code*: 8-15



VIBRATION PROOF™ **

Part No.	1530-LS
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	2.034 Lbs.
Stock Length (+/- .125")	145" - Part No. 1530-LS-145 242" - Part No. 1530-LS-242
Moment Of Inertia	IX= 1.3881"⁴ IY=0.4061"⁴
Estimated Area	1.6950 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7045 (see page 564)

* See Compatibility Code information on page 152.

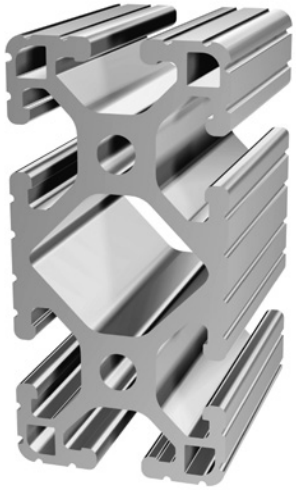
** See 2° Drop-Lock information on page 150.

See our new 1530-UL profile on page 57 of the New Products section.

NEW!

Fractional

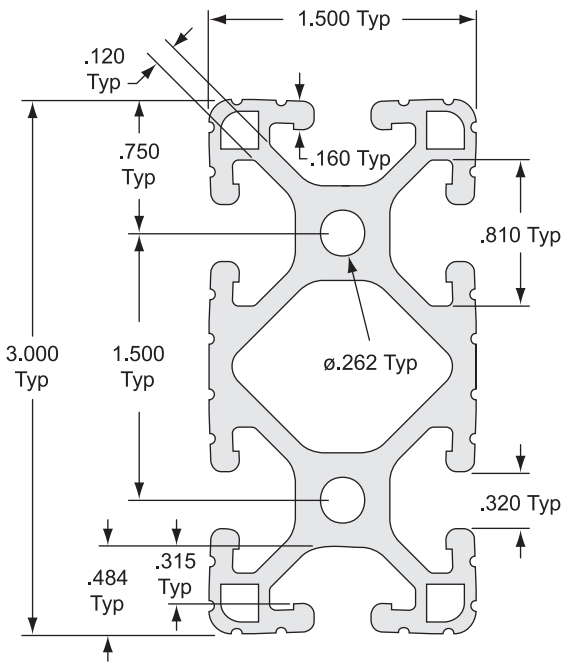
1530-Lite T-Slotted Profile - 15 Series



- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	1530-Lite
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	2.0123 Lbs.
Stock Length (+/- .125")	97" - Part No. 1530-Lite-97 145" - Part No. 1530-Lite-145 242" - Part No. 1530-Lite-242
Moment Of Inertia	IX=1.3847"^{4} IY=.3935"^{4}
Estimated Area	1.7288 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7045 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

80/20® Inc.
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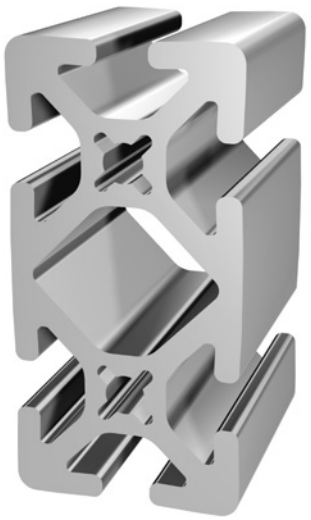
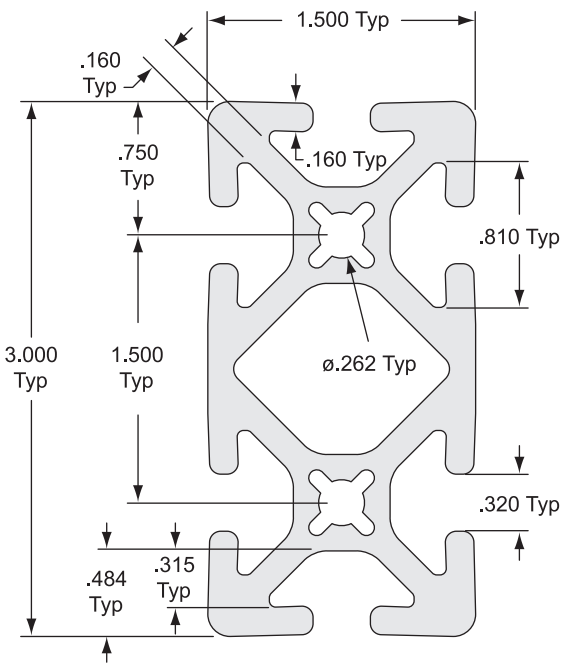
1530-S T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- 1530-S profile has a smooth surface
- Compatibility Code*: 8-15

VIBRATION PROOF™ **



Part No.	1530-S
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	2.3850 Lbs.
Stock Length (+/- .125")	145" - Part No. 1530-S-145 242" - Part No. 1530-S-242
Moment Of Inertia	IX= 1.8127in4 IY= 0.4957in4
Estimated Area	2.0490 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7045 (see page 564)

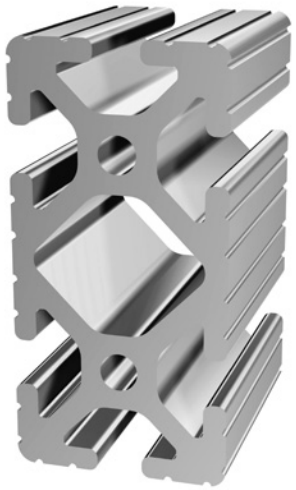
* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

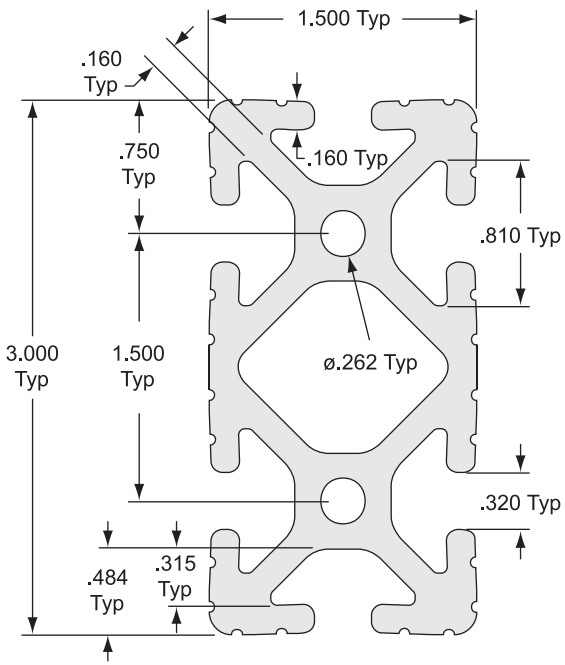
1530 T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code*: 8-15

VIBRATION PROOF™ **



Part No.	1530
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	2.4209 Lbs.
Stock Length (+/- .125")	97" - Part No. 1530-97 145" - Part No. 1530-145 242" - Part No. 1530-242
Moment Of Inertia	IX=1.8042"⁴ IY=.4824"⁴
Estimated Area	2.0798 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7045 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

Pre-Cut Lengths

48" - Part No. 1530-48	72" - Part No. 1530-72

- Pre-cut, ready to ship
- Cut to our standard tolerance of +/- .015"
- One part number, one price (includes cut charge)

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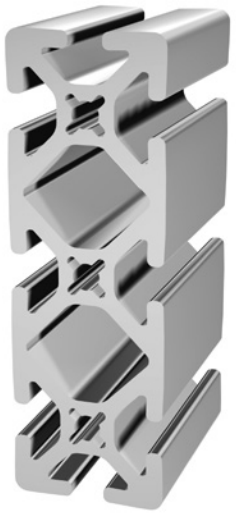
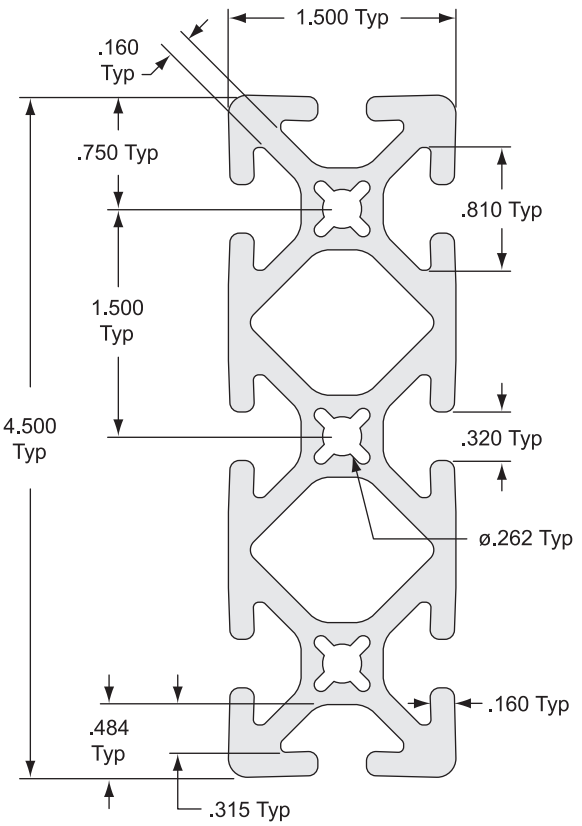
1545-S T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Eight open T-slots for mounting accessories
- Great for linear motion, machine frames, robotics and supports
- The cavities can be pressurized up to 150 psi; refer to pages 451-453
- 1545-S profile has a smooth surface
- Compatibility Code*: 8-15

VIBRATION PROOF™ **



Part No.	1545-S
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	3.4365 Lbs.
Stock Length (+/- .125")	145" - Part No. 1545-S-145 242" - Part No. 1545-S-242
Moment Of Inertia	IX=5.6675"⁴ IY=.7282"⁴
Estimated Area	2.9523 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7021 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7026 (see page 564)

* See Compatibility Code information on page 152.

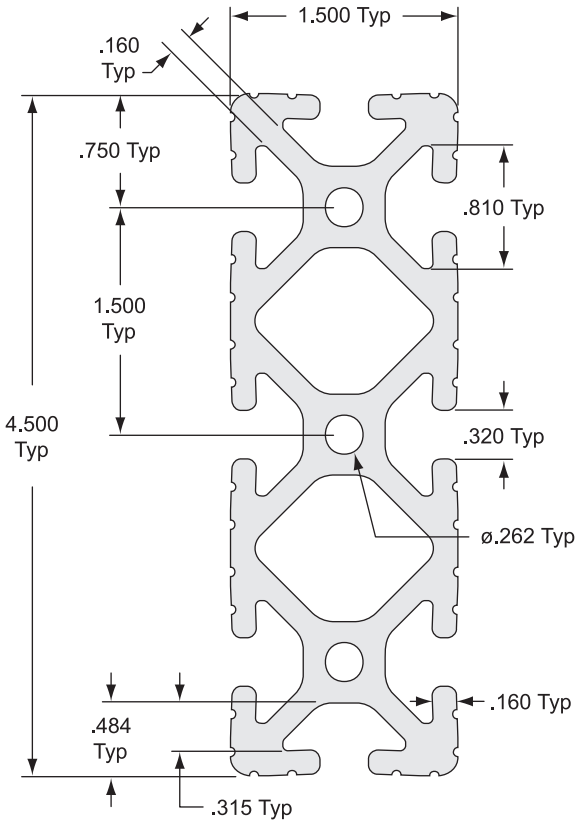
** See 2° Drop-Lock information on page 150.

1545 T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Eight open T-slots for mounting accessories
- Great for linear motion, machine frames, robotics and supports
- The cavities can be pressurized up to 150 psi; refer to pages 451-453
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	1545
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	3.4975 Lbs.
Stock Length (+/- .125")	145" - Part No. 1545-145 242" - Part No. 1545-242
Moment Of Inertia	IX=5.6929"⁴ IY=.7097"⁴
Estimated Area	3.0047 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7021 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7026 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

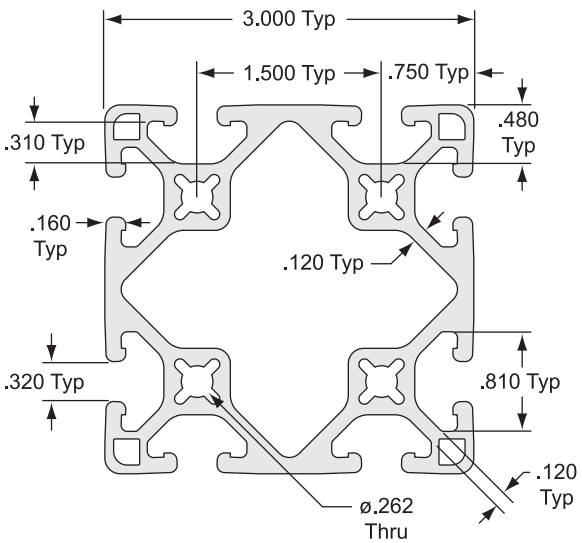
80/20® Inc.
The Industrial Erector Set®
THE STANDARD

3030-LS T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Eight open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- The 3030-LS profile is ideal for applications where strength and open T-slots are required
- The smooth surface provides a clean look
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	3030-LS
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	3.2280 Lbs.
Stock Length (+/- .125")	145" - Part No. 3030-LS-145 242" - Part No. 3030-LS-242
Moment Of Inertia	IX= 2.6861"⁴ IY= .2.6861"⁴
Estimated Area	2.6910 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7030 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7055 (see page 564)

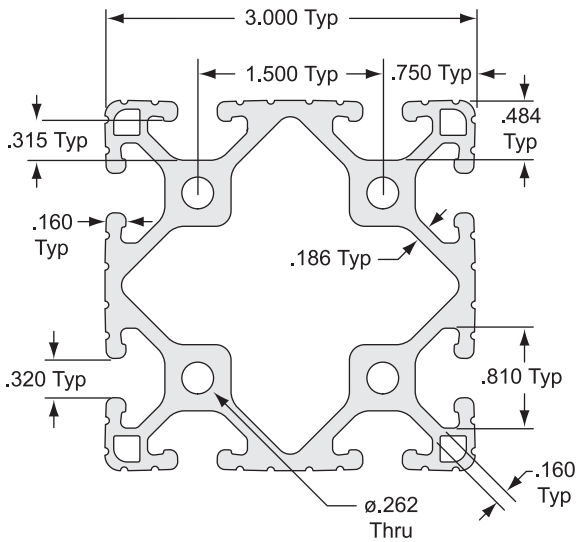
* See Compatibility Code information on page 152.
** See 2° Drop-Lock information on page 150.

3030-Lite T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Eight open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- The 3030-Lite profile is ideal for applications where strength and open T-slots are required
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	3030-Lite
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	3.2411 Lbs.
Stock Length (+/- .125")	145" - Part No. 3030-Lite-145 242" - Part No. 3030-Lite-242
Moment Of Inertia	IX=2.6959"⁴ IY=2.6959"⁴
Estimated Area	2.7844 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7030 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7055 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

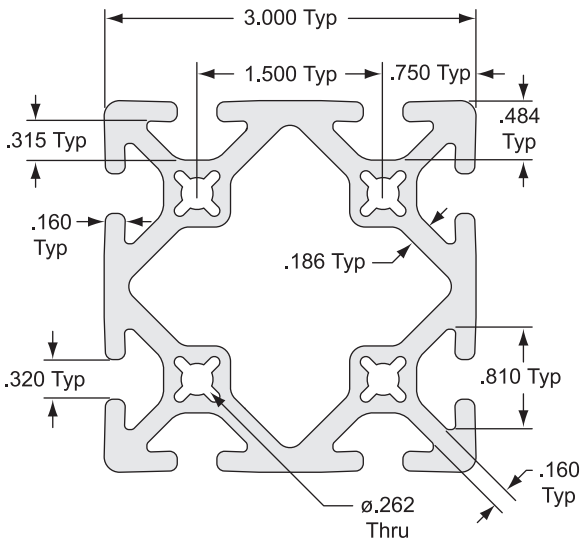
80/20® Inc.
The Industrial Erector Set®
THE STANDARD

3030-S T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Eight open T-slots for mounting accessories
- The 3030-S profile is ideal for applications where strength and open T-slots are required
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- 3030-S profile has a smooth surface
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	3030-S
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	3.8291 Lbs.
Stock Length (+/- .125")	145" - Part No. 3030-S-145 242" - Part No. 3030-S-242
Moment Of Inertia	IX=3.3496"⁴ IY=3.3496"⁴
Estimated Area	3.2896 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7030 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7055 (see page 564)

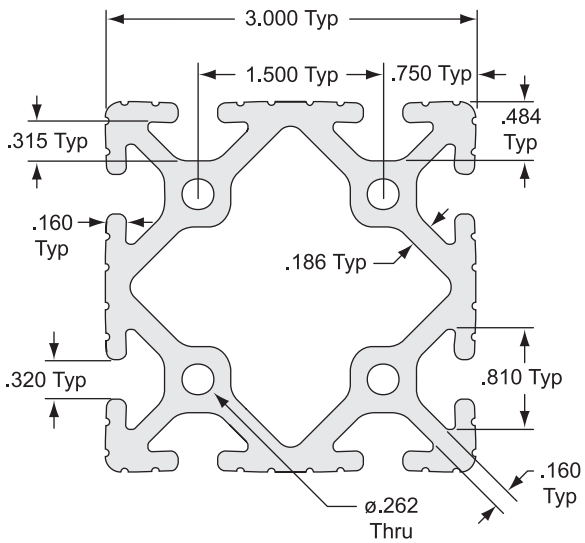
* See Compatibility Code information on page 152.
** See 2° Drop-Lock information on page 150.

3030 T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Eight open T-slots for mounting accessories
- The 3030 profile is ideal for applications where strength and open T-slots are required
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	3030
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	4.0131 Lbs.
Stock Length (+/- .125")	145" - Part No. 3030-145 242" - Part No. 3030-242
Moment Of Inertia	IX=3.4133"⁴ IY=3.4133"⁴
Estimated Area	3.4477 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7030 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7055 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

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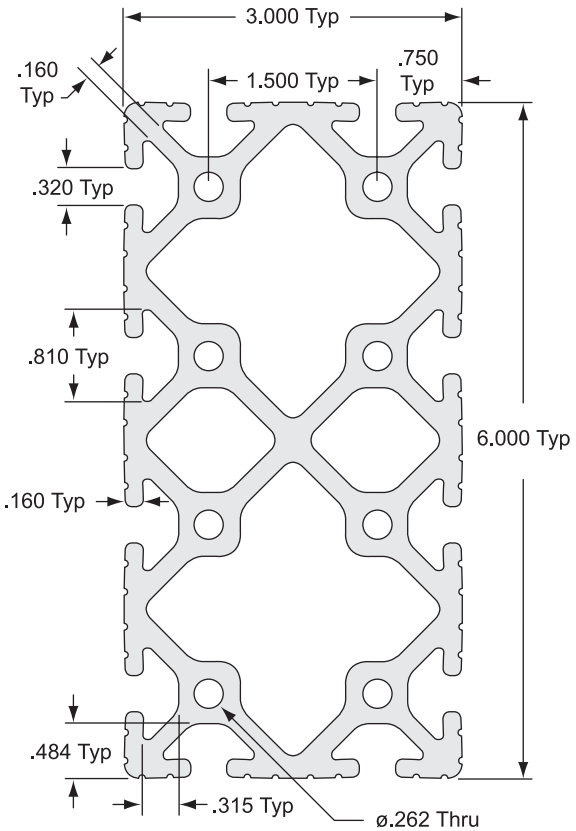
THE STANDARD

3060 T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- 12 open T-slots for mounting accessories
- The 3060 profile is ideal for applications where strength and open T-slots are required
- The cavities can be pressurized up to 150 psi; refer to pages 451-453
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

Part No.	3060
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	7.4801 Lbs.
Stock Length (+/- .125")	145" - Part No. 3060-145 192" - Part No. 3060-192 242" - Part No. 3060-242
Moment Of Inertia	IX=22.0300"⁴ IY=6.5164"⁴
Estimated Area	6.4262 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7023 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7029 (see page 564)

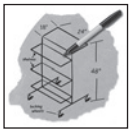
* See Compatibility Code information on page 152.

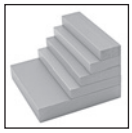
** See 2° Drop-Lock information on page 150.

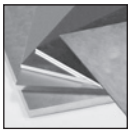
Section #2 Pictorial Table Of Contents

How To Order

Page 204

Requesting A Quote

Page 205

Flat Stock

Page 206

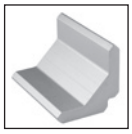
Solid Aluminum Plate

Page 207

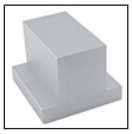
Block Profiles

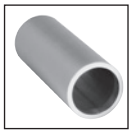
Page 207

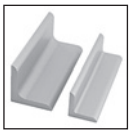
Square & Rectangle Tubes

Page 208

Corner Connector Profiles

Page 208

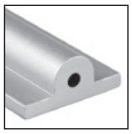
Stanchion Profiles

Page 209

Round Stock

Page 210

Angle Profiles

Page 211

45º Gusset Profiles

Page 212

Deadbolt Latch Profiles

Page 212

Standard Pivot Nub Profiles

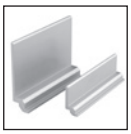
Page 213

Right Angle Pivot Nub Profiles

Page 213

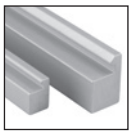
Hinge Profiles

Page 214

Drop In Panel Bracket Profiles

Page 214

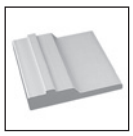
Panel Mount Block Profiles

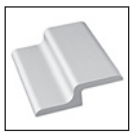
Page 215

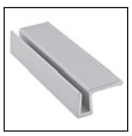
Clamp Block Profiles

Page 215

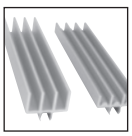
Linear Bearing Profiles

Page 216

UniBearing™ Profiles

Page 217

Retainer Angle Profiles

Page 218

Panel Stiffener Profiles

Page 219

Door Slide Track Profiles

Page 220

Custom Machining Solutions On The 80/20® Website!

The 80/20® website presents the perfect quick reference for information on 80/20®'s full line of structural shapes and custom machining services.
The custom machining portion of the website not only details our commitment to quality, but also links to individual structural shape product pages, supplying you with all the product information found within this catalog.

Whenever you need 80/20® structural shapes or custom machining information, simply log on to www.8020.net and visit the Services & Support section.

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THE STANDARD

How to Order 80/20® Structural Shapes

If the Structural Shape you are ordering requires only a cut-to-length service, simply list the shape's part number, quantity and length, as well as a brief description of the shape. If you are ordering a shape with machining other than cut-to-length, you must send a full drawing of the part with all required dimensions and machining placements (do not chain dimension) to 80/20 or your local distributor. To find your local distributor visit www.8020.net.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/ UOM	Ext. Price
1	1010	2	18.50"	7042 in A both ends	$.23	$8.51
	1515-Lite-145	5	145.00"	Full length profile	$65.25	$326.25
	3060	4	40.00"	7029 one end	$2.95	$472.00
	3030	4	36.00"	7050 style G in W, X both ends	$1.50	$216.00
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	2611	1	5.25 sf.	1/4" bronze polycarb 1 @ 18" x 40" w/ 7311 per drawing	$10.40	$54.60
4	7150	1		Cut plastic panels all sides < -48"	$10.50	$10.50
	7042	4		10 Series anchor fastener counterbore	$2.25	$9.00
	7005	2		Cut-to-length for 1010	$1.95	$3.90
	7023	4		Cut-to-length for 3060	$2.90	$11.60
	7030	4		Cut-to-length for 3030	$2.60	$10.40
	7050	64		15 Series drill access hole	$1.95	$124.80
	7029	4		5/16-18 tap service for 3060	$15.20	$60.80
	7311	2		Anchor fastener notch for 10 Series	$0.53	$1.06
5	3380	32		15 Series 5/16-18 black zinc end fastener w/ screw	$1.60	$51.20
	2114	16		Gray T-Slot covers for 10 Series	$3.45	$55.20
	2050	8		End caps for 3030	$1.85	$14.80
	3395	4		10 Series anchor fasteners	$2.90	$11.60
	3279	5		15 Series 5/16-18 black zinc double economy T-nut	$0.79	$3.95
	4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	3393	24		10 Series 1/4-20 BHSCS & economy T-nut	$0.40	$9.60
				TOTAL		$1549.17

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: **Must be delivered for assembly by Friday!!!**

1 - Profiles = Pages 147-202 • 2 - Custom Parts = Pages 203-220 • 3 - Panels = Pages 349-432
4 - Machining Services = Pages 559-608 • 5 - Accessories & Tools = Pages 433-456 & 549-558

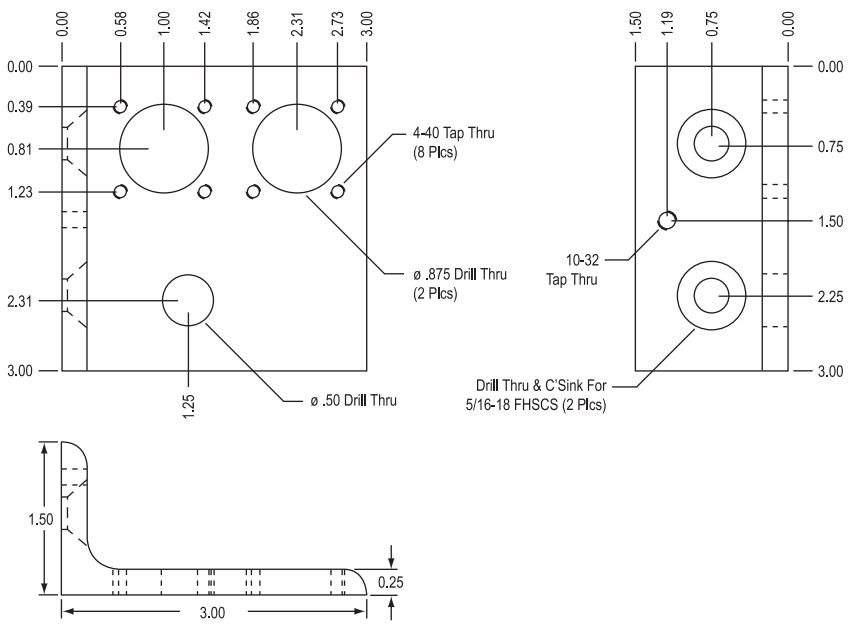
We specialize in FAST™ *same day shipments!*

Drawing Submission Requirements

If the structural shape you are ordering requires additional machining other than cut-to-length, a drawing must be provided to 80/20® or your local distributor. Please refer to the following 80/20 drawing submission guidelines to ensure that your quote will be processed as quickly as possible.

Things To Remember When Requesting A Quote

- Be sure to include all your contact information in case there are questions.
- Electronic files are preferred, such as a drawing from AutoCAD® or SolidWorks®.
- If you cannot provide an electronic file, that's ok! Just fax us your drawing.
- If you need a tighter tolerance than the standard +/- .010", just note it on your drawing.
- Jot down any special coating or plating requirements you need.
- To be sure your parts are machined to your specs, please avoid chain dimensioning your drawing, and it is best to position the 0 point at the upper left corner.
- Fax your drawing to 260-248-8029, email us at cmrfq@8020inc.com or contact your local distributor.



Legend for Icons

This part is 10 Series compatible

This part can use double economy T-nuts
(see bolt kit table P on page 268)

This part can use triple economy T-nuts
(see bolt kit table Q on page 268)

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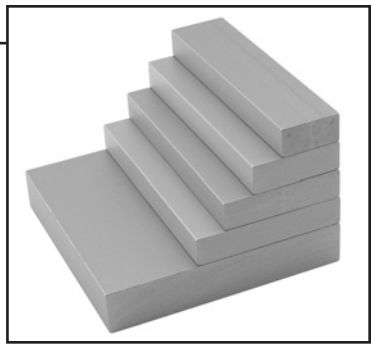
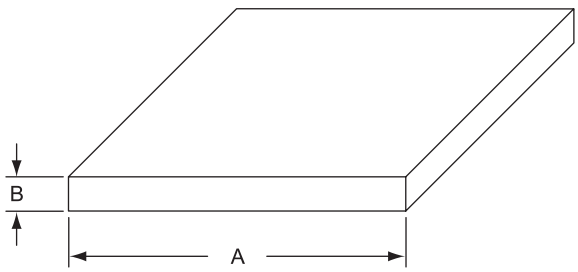
Flat Stock



- **Stock length: 145" mill-finish (unanodized) unless noted**
- **See page 563 for cut-to-length**
- **Flat stock can be used for custom parts such as joining plates, manifolds, floor mounts and more**



2

Flat Stock Part No.				Part No.		
Clear Anodized	Mill-Finish	A	B	Cut-To-Length	Alloy	Lbs. / Ft.
8303	8304	.875	.188	7212	6105-T5	.197
8317	8318	.875	.250	7212	6105-T5	.199
8307	8308*	1.000	.188	7212	6061-T6**	.221
8310	8311*	1.000	.250	7212	6061-T6**	.295
8315	8316*	1.000	.500	7212	6061-T6**	.589
8320	8321	1.490	.250	7212	6105-T5	.442
8322	8323*	1.500	.500	7212	6061-T6**	.883
8325	8326	1.500	.750	7212	6105-T5	1.320
8330	8331	2.000	.188	7212	6105-T5	.442
8327	8328*	2.000	.500	7212	6061-T6**	1.180
8337	8338*	2.500	.500	7212	6061-T6**	1.470
8335	8336	3.000	.188	7212	6105-T5	.677
8340	8341	3.000	.250	7212	6105-T5	.883
8342	8343*	3.000	.500	7212	6105-T6**	1.764
8345	8346	3.000	.750	7212	6105-T5	2.650
8713	8714	3.000	1.500	7212	6105-T5	5.300
8360	8361	4.000	.188	7224	6105-T5	.902
8365	8366*	4.000	.250	7224	6061-T6**	1.180
8370	8371	4.000	.750	7224	6105-T5	3.530
8375	8376	4.500	.250	7224	6105-T5	1.370
8385	8386	6.000	.250	7224	6105-T5	1.760
8390	8391	6.000	.375	7224	6105-T5	2.650

*Note: Maximum length mill-finish (unanodized) material is 144"

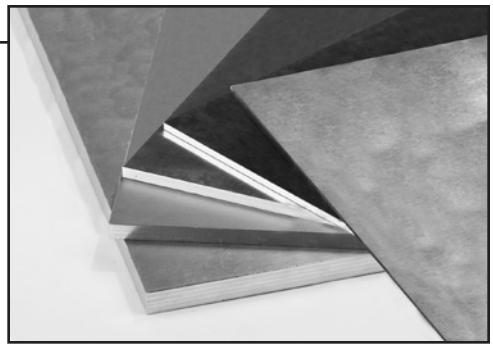
**Note: 6061-T6 or equivalent stock

Design your own custom plates, brackets and accessories. 80/20® structural shapes make anything possible!

We specialize in FAST™ *same day shipments!*

Solid Aluminum Plate

- Unanodized mill finish
- 6061-T6 alloy
- Anodized parts quoted on request (CM)
- See page 608 for mill finish sanding service
- See page 608 for aluminum panel machining services

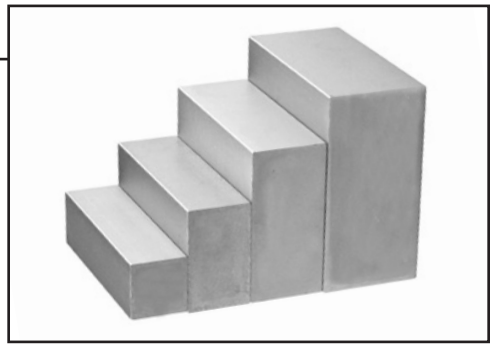


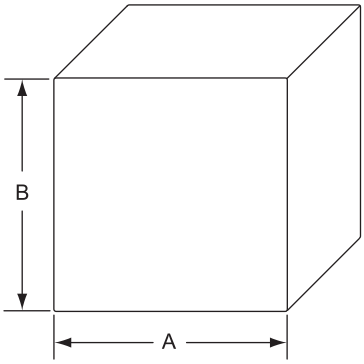
Part No.	Material	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2452	Aluminum Plate	.060"	.889	48" x 144"
2453	Aluminum Plate	.125"	1.764	48" x 144"
2454	Aluminum Plate	.187"	2.680	48" x 144"
2455	Aluminum Plate	.250"	3.700	48" x 144"
2456	Aluminum Plate	.375"	5.550	48" x 144"
2457	Aluminum Plate	.500"	7.400	48.5" x 96.5"

NEW!

Solid Aluminum Block Profiles

- See page 563 for aluminum block machining services

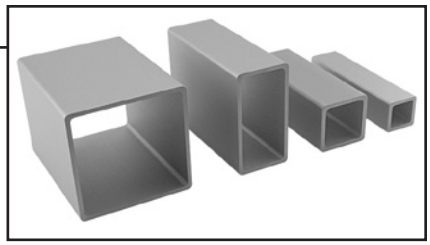




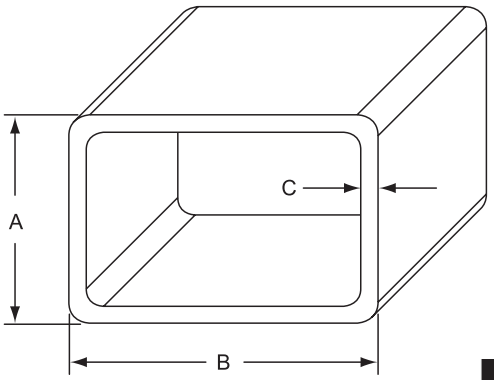
*Note: Maximum length is mill-finish
**Note: 6061-T6 or equivalent stock

Aluminum Block Part No.				Part No.			
Clear Anodized	Mill-Finish	A	B	Cut-To-Length	Alloy	Lbs. / Ft.	Maximum Length *
8313	8314	1.125	1.125	7212	6105-T5	1.488	145"
8305	8306	1.625	1.625	7212	6105-T5	3.108	145"
8419	8319	1.750	1.750	7212	6106-T6	3.108	144"
8703	8704	2.000	2.000	7212	6105-T5	4.720	72"
8394	8395	2.250	2.250	7212	6106-T6	5.952	144"
8400	8401	2.500	2.500	7212	6105-T5	7.800	72"
8720	8721	2.750	2.750	7212	6106-T6	8.892	72"
8724	8725	3.250	3.250	7224	6106-T6	14.400	72"
8722	8723	3.500	3.500	7224	6106-T6	14.400	72"
8710	8711	2.000	1.200	7212	6105-T5	2.595	145"
8713	8714	3.000	1.500	7212	6105-T5	5.300	145"
8420	8392*	3.000	2.500	7212	6106-T6	8.820	72"
8408	8407*	3.500	1.500	7224	6106-T6	9.408	144"
8405	8406*	4.000	2.000	7224	6061-T6**	9.440	72"
8422	8397	4.500	1.250	7224	6106-T6	6.612	144"
8424	8399	6.000	1.500	7224	6106-T6	10.584	72"
8403	8402	7.000	2.000	7224	6106-T6	16.440	72"

Square & Rectangular Tubes

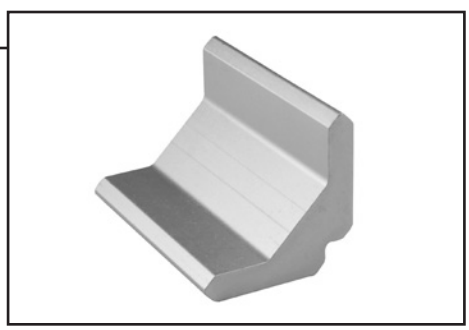


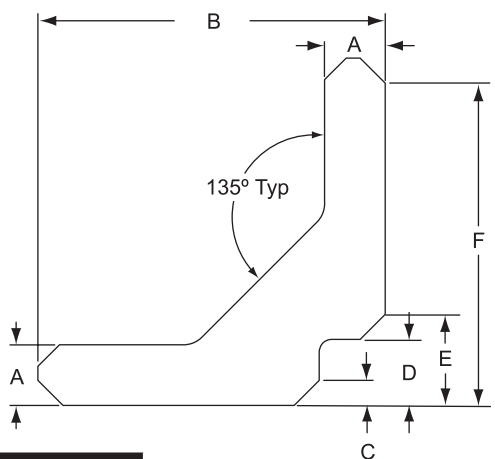
- **Stock length: 145" mill-finish (unanodized) unless noted**
- **See page 563 for cut-to-length**



Tube Stock Part No.						Cut-To-Length Part No.	Lbs. / Ft.
Clear Anodized	Mill-Finish	A	B	C	Alloy		
8110	8111	1.000	1.000	.125	6105-T5	7005	.516
8115	8116	1.500	1.500	.125	6105-T5	7010	.795
8120	8121	1.500	3.000	.125	6105-T5	7020	1.185
8125	8126	3.000	3.000	.125	6105-T5	7030	1.635

Inside Corner Connector Profiles





Corner Connector Profile Part No.									Cut-To-Length Part No.	Lbs. / Ft.
Clear Anodized	Mill-Finish	A	B	C	D	E	F	Alloy		
8413	8414	.436	2.500	.180	.475	.655	2.320	6105-T5	7212	2.544

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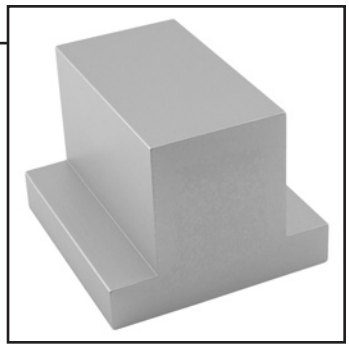
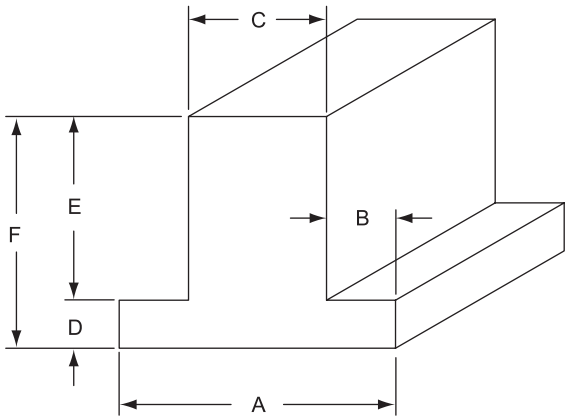
Stanchion Profiles

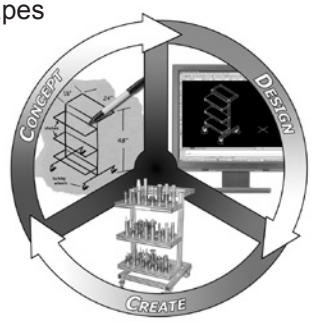


- **Stock length: 72” for mill-finish (unanodized) or clear anodized material**
- **See page 563 for cut-to-length**



Stanchion Profile Part No.									Cut-To-Length Part No.	Lbs. / Ft.
Clear Anodized	Mill-Finish	A	B	C	D	E	F	Alloy		
8600	8601	3.000	.750	1.500	.520	2.000	2.520	6105-T5	7212	5.320
8605	8606	3.870	.812	2.250	.770	2.250	3.020	6105-T5	7224	9.350

80/20® Custom Machining - Specializing in fabrication of structural shapes or any part listed in the 80/20 catalog. From concept and design to implementation – look to 80/20 for your custom-machined parts.



Concept: 80/20’s versatility allows you to create concepts for sensible solutions anywhere, at any time, for any problem.

Design: By using state of the art equipment, employing a highly knowledgeable staff, and dedicating ourselves to quality, we are able to supply you with precise design ideas and specifications, free of charge.

Create: When 80/20 custom machines your project, we guarantee it will be to your specifications and ready to ship with 80/20’s fast turnaround. Order one custom part or 500… 80/20 has no minimum orders!

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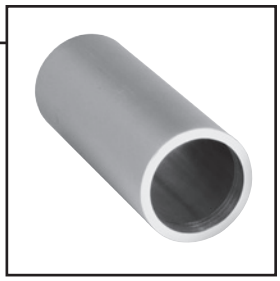
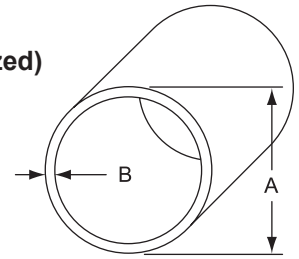
Aluminum Tube

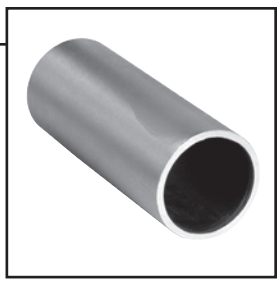


- Drawn precision tube
- Stock length: 144” mill-finish (unanodized) and clear anodized finish
- See page 563 for cut-to-length services
- Tolerance: +.003” / -.002”

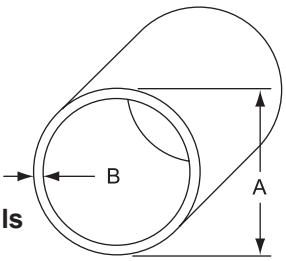


Part No.					Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	Alloy	Part No.	Lbs. / Ft.
5035	5036	1.000	.125	6061-T6	7205	.405
5040	5041	1.500	.125	6061-T6	7210	.630
5045	5046	2.000	.125	6061-T6	7213	.930

Ground & Polished Steel Tube



- Ground and polished, drawn over mandrel (DOM) carbon steel
- Stock length: 145” unfinished (non-plated, non-oxided)
- See page 563 for cut-to-length services
- Black oxide service available, call for details
- Tolerance: +.003” / -.002”

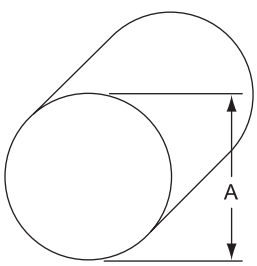


Part No.	A	B	Alloy	Cut-To-Length Part No.	Lbs. / Ft.
5005	1.000	.125	1020	7205	1.168
5015	1.500	.125	1020	7210	1.836
5025	2.000	.125	1020	7213	2.503

Turned, Ground & Polished Solid Carbon Steel

DVD

- Stock length: 145” unfinished (non-plated, non-oxided)
- See page 563 for cut-to-length services
- Black oxide service available, call for details
- Tolerance: +.003” / -.002”



Part No.	A	Alloy	Cut-To-Length Part No.	Lbs. / Ft.
5010	1.000	1045	7205	2.670
5020	1.500	1045	7210	6.010
5030	2.000	1045	7213	10.680

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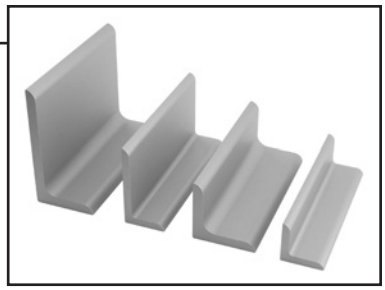
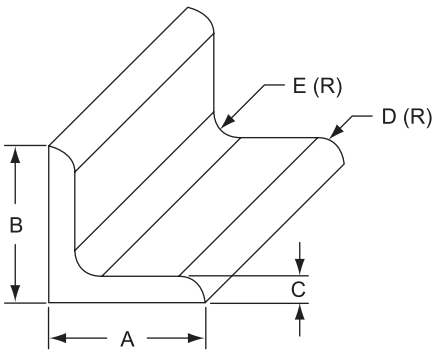
Angle Profiles

- **Stock length: 145” mill-finish (unanodized) unless noted**
- **See page 563 for cut-to-length**
- **Perfect for custom corner brackets, part bin supports and tool hangers**

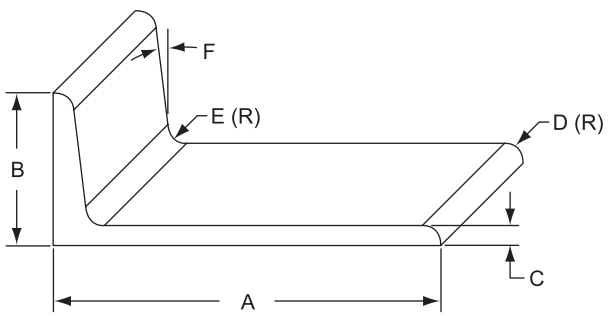




Angle Profile Part No.								Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	Alloy	Part No.	Lbs. / Ft.
8210	8211*	1.000	1.000	.125	.093	.125	6061-T6**	7212	.275
8217	8218	1.000	1.000	.188	.188	.125	6105-T5	7212	.400
8212	8213	1.000	2.000	.188	.188	.125	6105-T5	7212	.635
8215	8216*	1.500	1.500	.188	.188	.125	6061-T6**	7212	.619
8220	8221	1.500	1.500	.250	.250	.312	6105-T5	7212	.809
8230	8231	1.500	3.000	.250	.250	.312	6105-T5	7212	1.368
8222	8223	2.000	2.000	.188	.188	.125	6105-T5	7212	.850
8225	8226*	2.500	2.500	.188	.188	.125	6061-T6**	7212	.750
8232	8233*	3.000	3.000	.188	.188	.125	6061-T6**	7212	1.250
8235	8236	3.000	3.000	.250	.250	.312	6105-T5	7212	1.680
8240	8241	4.500	4.500	.250	.250	.312	6105-T5	7224	2.618

*Note: Maximum length mill-finish (unanodized) material is 144"

**Note: 6061-T6 or equivalent stock



Angle Profile Part No.									Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	Alloy	Part No.	Lbs. / Ft.
8415	8416	5.00	2.00	.250	.250	.250	10°	6105-T5	7224	2.253

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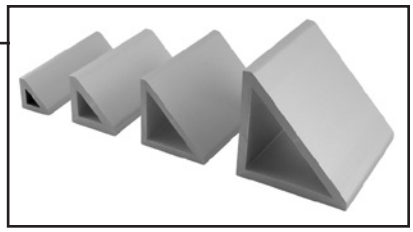
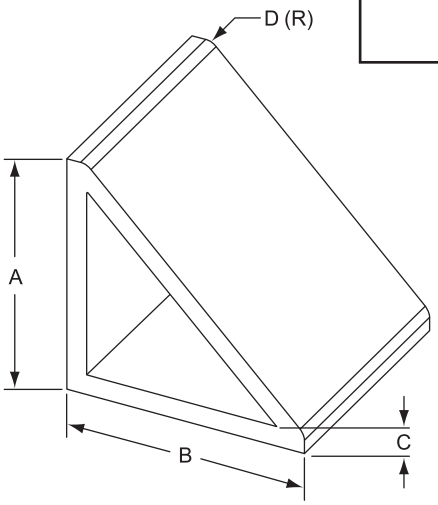
45° Gusset Profiles



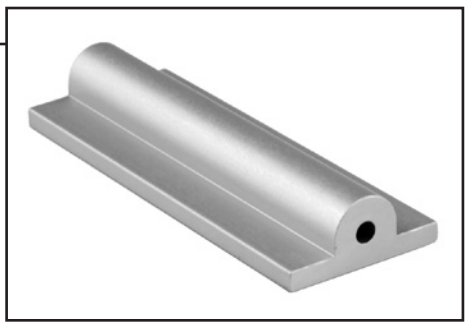
- **Stock length: 145" mill-finish (unanodized) unless noted**
- **See page 563 for cut-to-length**
- **Gusset profiles can be used for custom parts such as joining plates, floor mounts, supports and more**

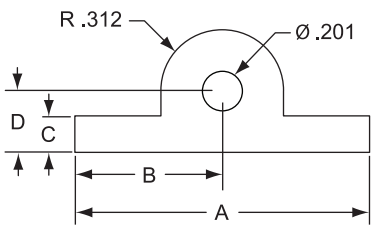


45° Gusset Profile Part No.							Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	Alloy	Part No.	Lbs. / Ft.
8620 ⌘	8621 ⌘	1.000	1.000	.188	.188	6105-T5	7212	.629
8630	8631	1.500	1.500	.250	.250	6105-T5	7212	1.303
8625 ⌘	8626 ⌘	2.000	2.000	.188	.188	6105-T5	7212	1.399
8635	8636	3.000	3.000	.250	.250	6105-T5	7212	2.839

⌘ = 10 Series Compatible Part

Deadbolt Latch Profiles





Deadbolt Latch Profile Part No.							Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	Alloy	Part No.	Lbs. / Ft.
8560	8561	1.500	.750	.187	.313	6105-T5	7212	.576

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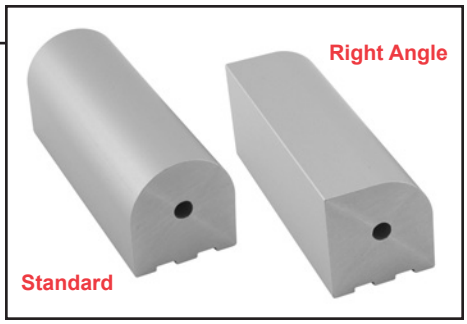
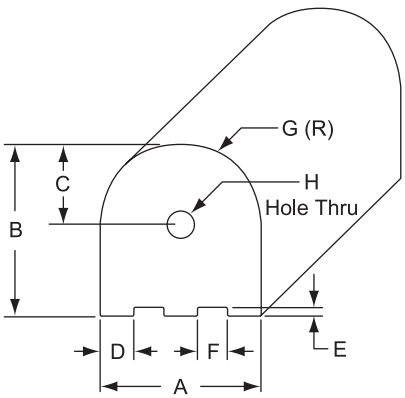
Standard & Right Angle Pivot Nub Profiles

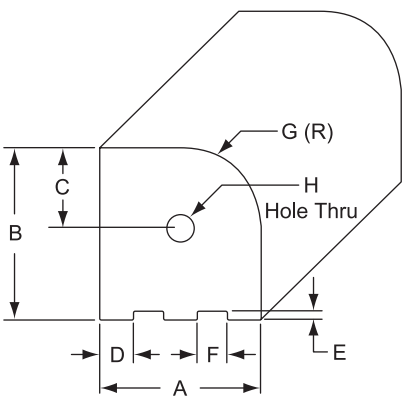
- **Stock length: 145” mill-finish (unanodized) unless noted**
- **See page 563 for cut-to-length**





Standard Nub Profile Part No.										Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	Part No.	Lbs. / Ft.
8547 ⌘	8548 ⌘	1.000	1.060	.500	.250	.040	.125	.500	.205	7212	1.093
8545	8546	1.500	1.600	.750	.314	.080	.279	.750	.265	7212	2.474

⌘ = 10 Series Compatible Part



Right Angle Nub Profile Part No.										Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	Part No.	Lbs. / Ft.
8445 ⌘	8446 ⌘	1.000	1.060	.500	.250	.040	.125	.500	.205	7212	1.157
8448	8449	1.500	1.600	.750	.314	.080	.279	.750	.265	7212	2.620

⌘ = 10 Series Compatible Part

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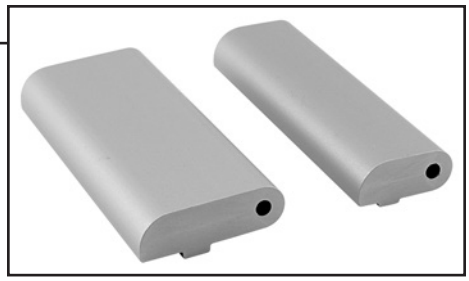
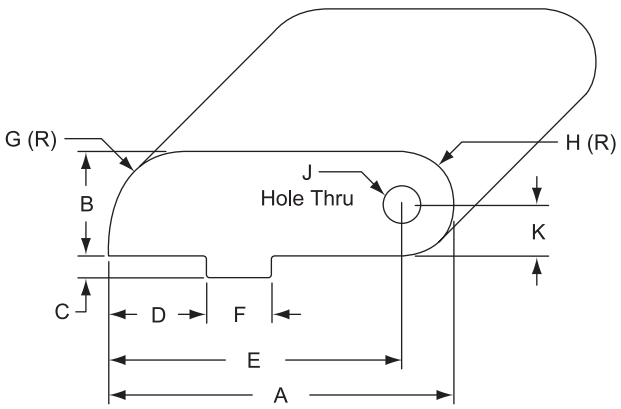
Hinge Profiles

- **Stock length: 145” mill-finish (unanodized) unless noted**
- **See page 563 for cut-to-length**

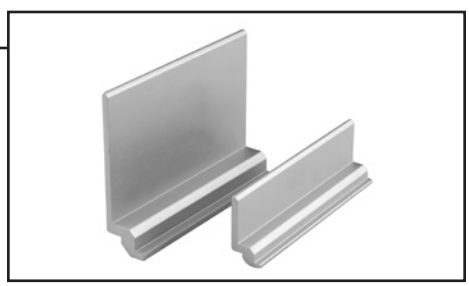


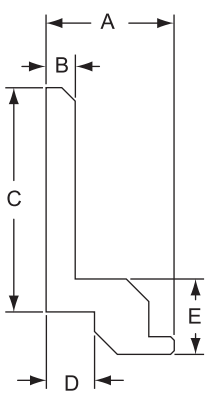


Hinge Profile Part No.													Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	J	K	Alloy	Part No.	Lbs. / Ft.
8550 ⌘	8551 ⌘	1.156	.500	.060	.252	.906	.249	.375	.250	.180	.250	6105-T5	7212	.610
8555	8556	1.655	.500	.100	.469	1.405	.312	.375	.250	.180	.250	6105-T5	7212	.932

⌘ = 10 Series Compatible Part

Drop In Panel Bracket Profiles





Drop In Panel Bracket Part No.								Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	Alloy	Part No.	Lbs. / Ft.
8592 ⌘	8591 ⌘	.573	.130	1.000	.217	.335	6105-T5	7212	.264
8594	8593	.782	.130	1.500	.306	.500	6105-T5	7212	.600

⌘ = 10 Series Compatible Part

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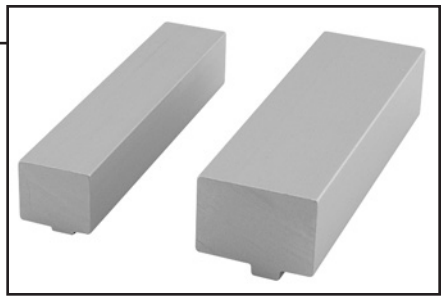
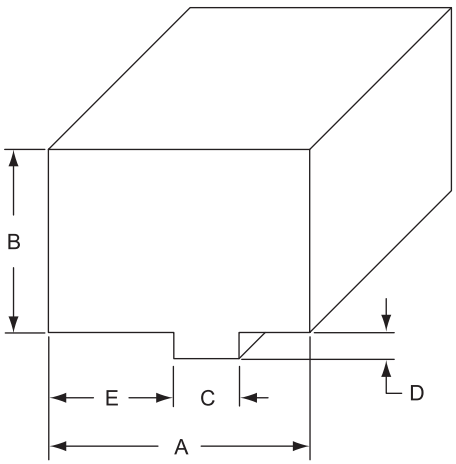
Panel Mount Block Profiles

- **Stock length: 145” mill-finish (unanodized) unless noted**
- **See page 563 for cut-to-length**

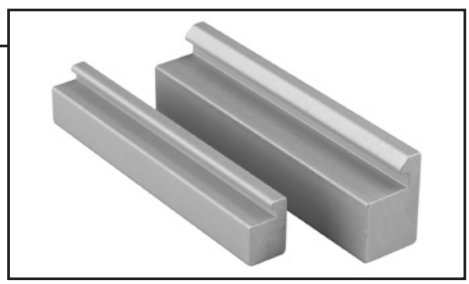


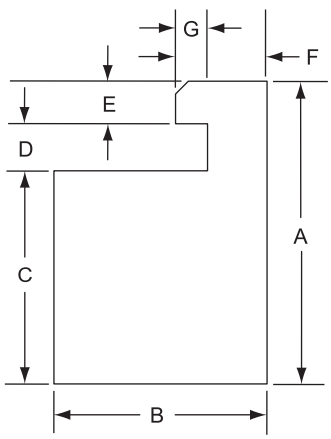


Panel Mount Block Profile Part No.							Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	Part No.	Lbs. / Ft.
8567 ⌘	8568 ⌘	.812	.700	.247	.050	.373	7212	.697
8565	8566	1.250	.875	.310	.125	.600	7212	1.360

⌘ = 10 Series Compatible Part

Clamp Block Profiles





Clamp Block Profile Part No.										Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	Alloy	Part No.	Lbs. / Ft.
8418 ⌘	8417 ⌘	.710	.500	.500	.110	.100	.215	.075	6105-T5	7212	.201
8426	8427	1.142	.750	.750	.196	.196	.304	.128	6105-T5	7212	.343

⌘ = 10 Series Compatible Part

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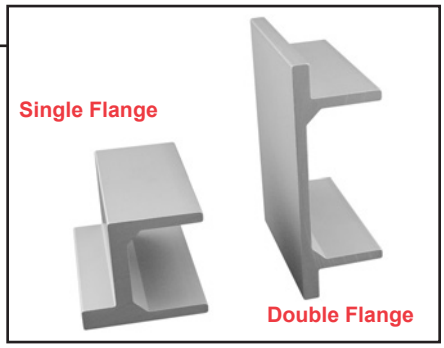
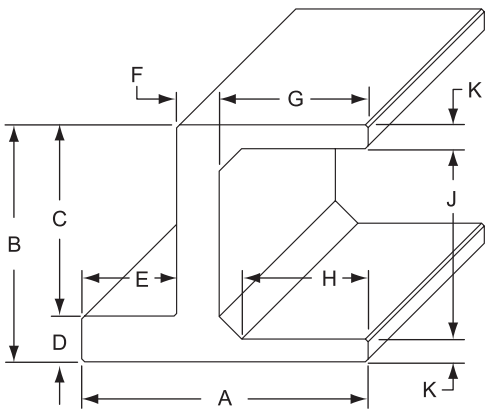
Single & Double Flange Bearing Profiles

- **Stock length: 145" mill-finish (unanodized) unless noted**
- **See page 563 for cut-to-length**

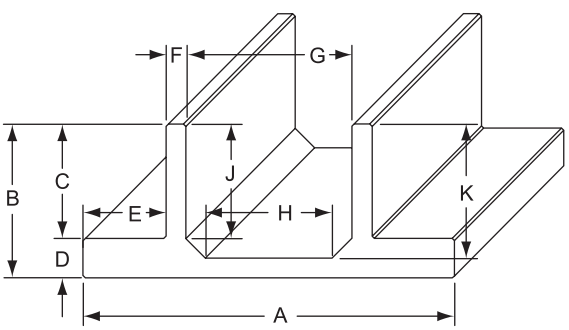


⊠ = 10 Series Compatible Part



Single Flange Part No.												Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	J	K	Part No.	Lbs. / Ft.
8520 ⊠	8521 ⊠	1.968	1.625	1.313	.312	.656	.250	1.062	.906	1.312	.156	7212	1.158
8530	8531	2.750	2.500	2.000	.500	.750	.375	1.625	1.312	2.005	.250	7212	2.666

⊠ = 10 Series Compatible Part



Double Flange Part No.												Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	J	K	Part No.	Lbs. / Ft.
8525 ⊠	8526 ⊠	2.936	1.218	.906	.312	.656	.156	1.312	1.000	.906	1.062	7212	1.218
8527 ⊠	8528 ⊠	3.938	1.218	.906	.312	.656	.156	2.320	2.008	.906	1.062	7224	1.406
8535	8536	4.000	1.875	1.500	.375	.750	.250	2.005	1.375	1.313	1.625	7224	2.518
8540	8541	5.500	1.875	1.500	.375	.750	.250	3.505	2.876	1.313	1.625	7224	2.966

⊠ = 10 Series Compatible Part

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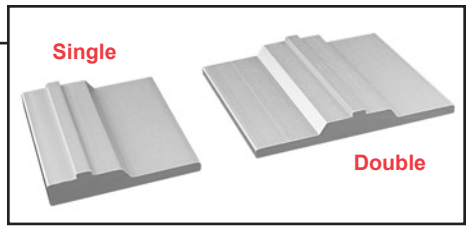
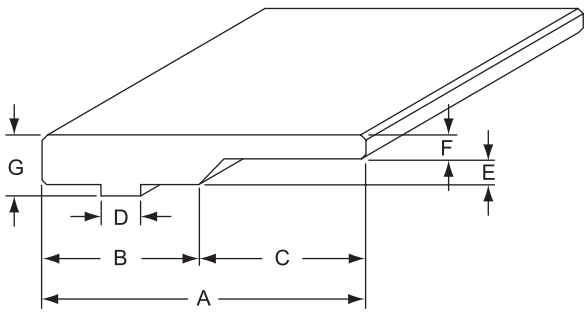
Single & Double UniBearing™ Profiles

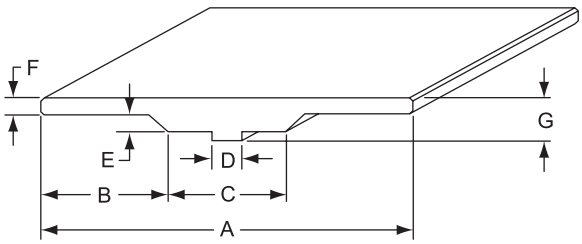
- **Stock length: 145” mill-finish (unanodized) unless noted**
- **See page 563 for cut-to-length**





Single Part No.									Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	Part No.	Lbs. / Ft.
8580 ⌘	8581 ⌘	2.063	1.000	1.063	.250	.156	.156	.375	7212	.586
8582	8583	3.125	1.500	1.625	.312	.260	.245	.625	7212	.971

⌘ = 10 Series Compatible Part



Double Part No.									Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	Part No.	Lbs. / Ft.
8584 ⌘	8585 ⌘	3.125	1.063	1.000	.250	.156	.156	.375	7212	.776
8586	8587	4.750	1.625	1.500	.312	.260	.245	.625	7224	1.888

⌘ = 10 Series Compatible Part

Mill finish profiles are in stock and ready for shipment!

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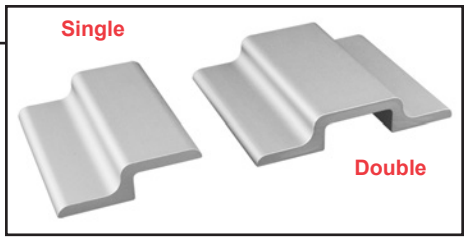
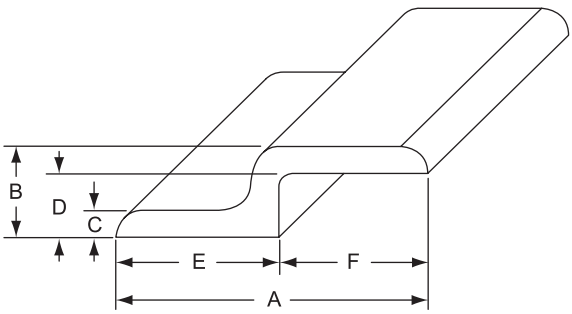
Single & Double Retainer Angle Profiles

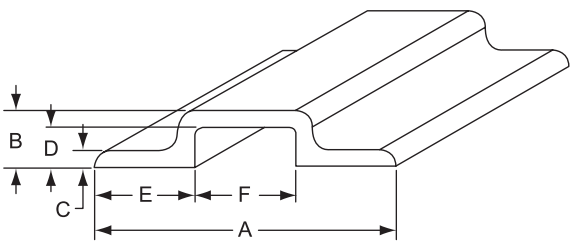
- **Stock length: 145” mill-finish (unanodized) unless noted**
- **See page 563 for cut-to-length**





Single Part No.									Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	Alloy	Part No.	Lbs. / Ft.
8515 ⌘	8516 ⌘	1.938	.563	.188	.375	1.000	.938	6105-T5	7212	.504
8510	8511	2.879	.840	.250	.590	1.500	1.379	6105-T5	7212	1.021

⌘ = 10 Series Compatible Part



Double Part No.									Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	Alloy	Part No.	Lbs. / Ft.
8610 ⌘	8611 ⌘	3.021	.563	.188	.375	1.000	1.021	6105-T5	7212	.835
8512	8513	4.523	.840	.250	.590	1.500	1.523	6105-T5	7224	1.703

⌘ = 10 Series Compatible Part

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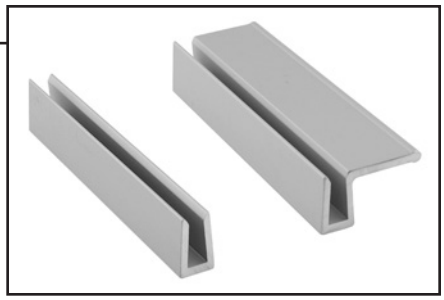
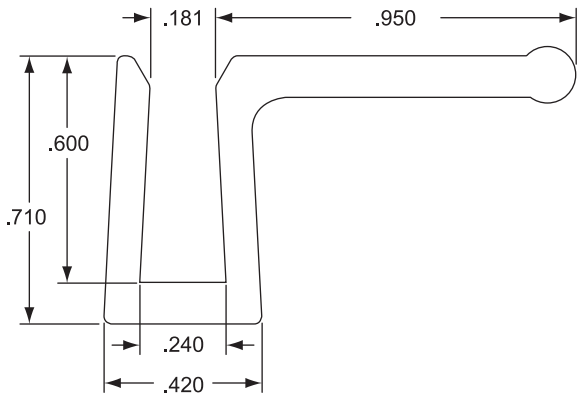
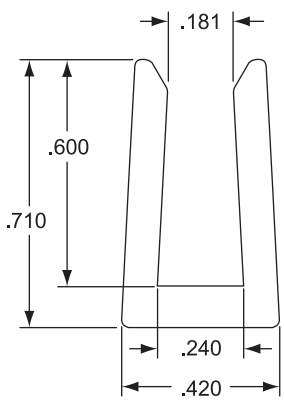
Panel Stiffener Profiles with/without Handle



- Stock length: 145” (anodized)
- Easy to install with a soft face mallet found on page 558
- See page 563 for cut-to-length
- Aluminum panel handles can be found on page 379
- Used on 1/4” panels



Stiffener Profile w/ Handle Part No.		Cut-To-Length	
Clear Anodized	Alloy	Part No.	Lbs. / Ft.
8570	6105-T5	7212	.283



Stiffener Profile w/out Handle Part No.		Cut-To-Length	
Clear Anodized	Alloy	Part No.	Lbs. / Ft.
8575	6105-T5	7212	.168

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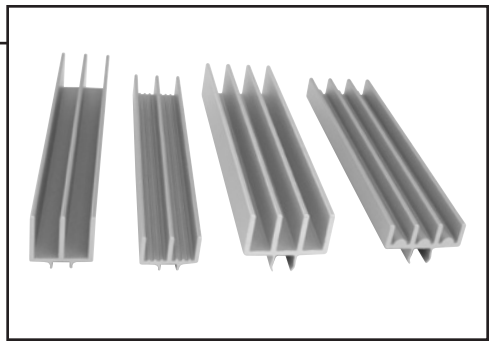
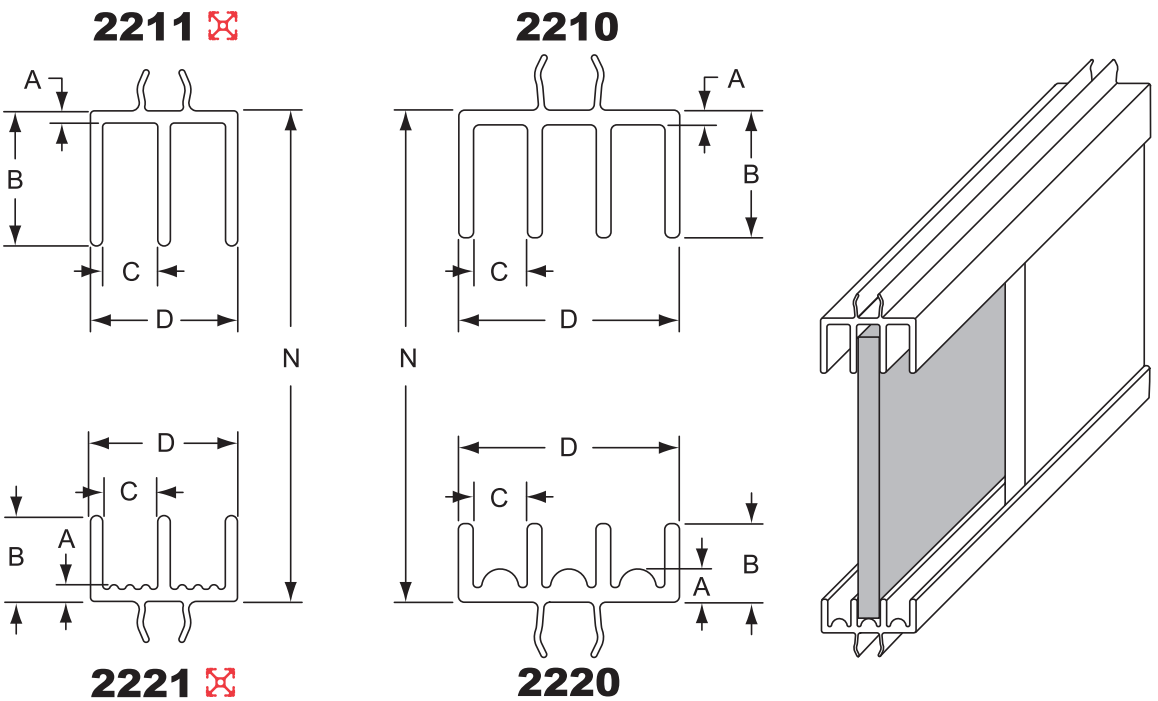
Door Slide Track Profiles

- **10 and 15 Series compatible**
- **145" clear anodized 6105-T5 aluminum alloy material**
- **Refer to page 401 for more information**
- **See page 563 for cut-to-length, Part No. 7212**





Part No.	Track Type	Stock Length	A	B	C	D	Lbs. / Ft.
2211 ⊠	Upper	145.000"	.062	.688	.281	.750	.208
2221 ⊠	Lower	145.000"	.085	.438	.281	.750	.156
2210	Upper	145.000"	.060	.650	.275	1.125	.304
2220	Lower	145.000"	.169	.400	.275	1.125	.264

⊠ = 10 Series Compatible Part

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Section #3 Pictorial Table Of Contents

Introduction To 80/20® Fasteners

Pages 222-223

How To Order

Page 224

Fractional Fastener Standards

Page 225

Fastener Tool Size Reference

Page 225

Slide-In Economy T-Nuts

Page 226

Double Slide-In Economy T-Nuts

Page 227

Triple Slide-In Economy T-Nuts

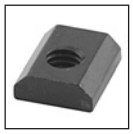
Page 228

Economy T-Nut Holding Springs

Page 229

Slide-In Economy T-Slot Studs

Page 229

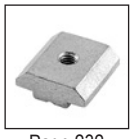
Slide-In T-Nuts

Page 230

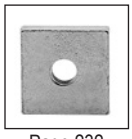
Slide-In T-Nuts with Ball Spring

Page 231

Slide-In T-Nuts with Ball Spring

Page 231

Slide-In T-Nuts

Page 232

Economy Slide-In T-Nuts

Page 232

Roll-In T-Nuts with Flex Handle

Page 233

Roll-In T-Nuts with Set Screw

Page 234

Roll-In T-Nuts with Ball Spring

Page 235

Roll-In T-Nuts with Ball Spring

Page 236

Roll-In T-Nuts with Spring Leaf

Page 237

Roll-In T-Nuts with Spring Leaf

Page 238

Drop-In T-Nuts

Page 238

Drop-In T-Nuts

Page 239

Drop-In T-Studs

Page 240

Hidden Corner Connectors

Page 241

Anchor Fasteners

Page 242

Double Anchor Fasteners

Page 243

Butt Fasteners

Page 244

Central Connectors

Page 244

Standard End Fasteners

Page 245

Double End Fasteners

Page 246

Single Tab End Fasteners

Page 246

Miter Connector

Page 247

90° Inside Corner Connector

Page 248

Bolt Assemblies & Components

Pages 249-259

Legend for Icons

This part is 10 Series compatible

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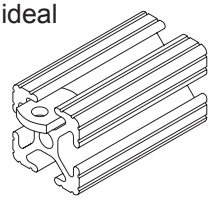
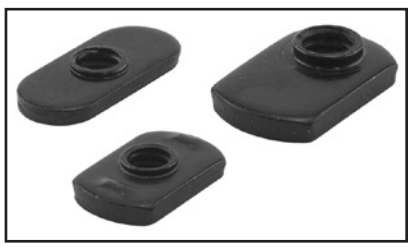
Introduction to Fasteners

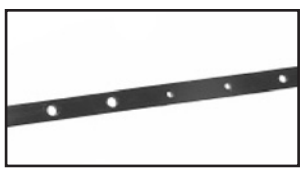
80/20® has the largest assortment of fasteners available in the industry! We stock over 20 types, featuring over 400 variations and combinations for your applications. 80/20 fasteners are made of high-quality materials and hold tight tolerances. Variations include fasteners that load from the profile end or the profile side, fractional or metric, and black zinc, bright zinc or stainless steel material.

Slide-In Economy T-Nuts: single economy T-nuts are available with the thread centered or offset to best fit your application requirements. Offset T-nuts are ideal for making clean end connections without compromising strength. Centered T-nuts work well for connections made in the center of a profile or with a joining plate. Economy T-nuts are also available in double and triple configurations.

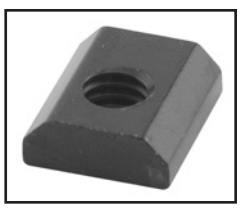


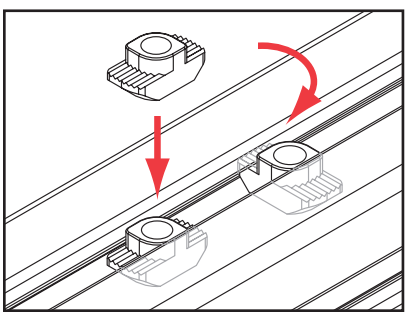


Standard **Slide-In T-Nuts**, made of 1215 carbon steel, are high-strength, low-cost fasteners that load from the profile end. They can be customized up to 36 inches in length for any application.



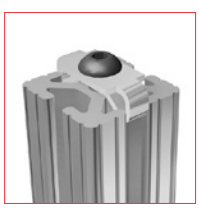
Customized Lengths Available

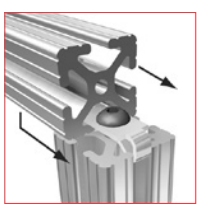




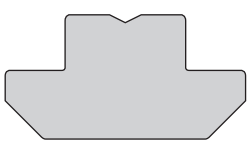
Drop-in T-Nut fasteners are a cost-effective, modular choice for most mounting needs. If the profile ends are captivated, drop-in fasteners can be placed directly in the T-slot, then rotated for secure placement.

End Fasteners provide a strong, square, hidden joint in a fixed location that simplifies assembly. When ordering applications with end fasteners, be sure to specify tapping and access hole machining services for your profiles.

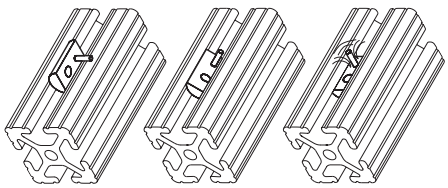


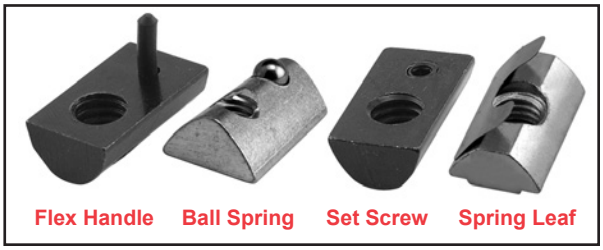


Self-Aligning T-Nuts have a raised section that extends up into the T-slot opening. This feature will center the threaded hole of the T-nut in the T-slot, prevent rotation and allow for longer thread dimensions. Note: Make certain the “neck” does not extend past the face of the T-slot profile, interfering with the connection.



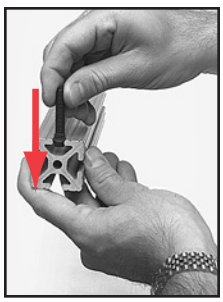
Roll-In T-Nuts with Flex Handle, Set Screw, Ball Spring or Spring Leaf load from the profile side, allowing add-ons to your application without dismantling the frame. Roll-in T-nuts with a flex handle, ball spring, set screw or spring leaf hold the T-nut in place for easy positioning. The flex handle makes removal of the drop-in simple.

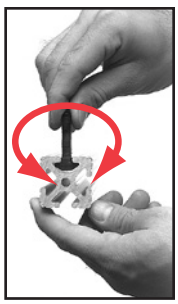




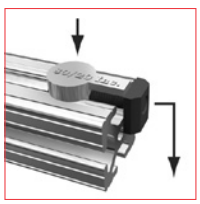
Slide-In Economy T-Slot Studs, loaded from the end of a profile, are the strongest fastener available from 80/20® for use with joining plates. By engaging the Drop-Lock feature, they provide a vibration-proof connection when properly tightened. The square key on the shoulder of the bolt prevents the stud from turning when an application is subjected to vibration.

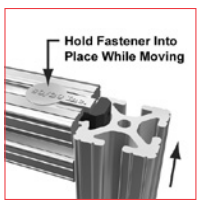
Drop-in T-Slot Studs load from the profile end or into the profile side. If the profile ends are captivated, drop-in fasteners can be placed directly in the T-slot, then rotated for secure placement.

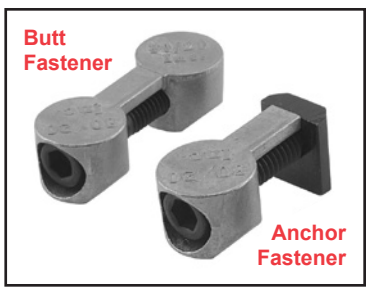




Anchor Fasteners, available in single and double configurations, are perfect for making 90˚ connections in the center of a bar. These fasteners make a strong, flush connection that can be easily adjusted when used with any of 80/20®'s T-slotted profiles.







Butt Fasteners allow you to fasten two profiles end-to-end with maximum strength and near-perfect alignment. When space restrictions prevent the use of joining plates, butt fasteners are the perfect solution.

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How to Order 80/20® Fasteners

As you will notice in the order example below, ordering fasteners from 80/20® is a simple process. Simply write the part number and quantity required (note: when ordering bolt kits, double check the quantity required per the connector). To finish, just write a brief description of the fastener you are ordering. This will help us ensure that you receive the exact parts you need.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/ UOM	Ext. Price
1	1010	2	18.50"	7042 in A both ends	$.23	$8.51
	1515-Lite-145	5	145.00"	Full length profile	$65.25	$326.25
	3060	4	40.00"	7029 one end	$2.95	$472.00
	3030	4	36.00"	7050 style G in W, X both ends	$1.50	$216.00
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	2611	1	5.25 sf.	1/4" bronze polycarb 1 @ 18" x 40" w/ 7311 per drawing	$10.40	$54.60
4	7150	1		Cut plastic panels all sides < -48"	$10.50	$10.50
	7042	4		10 Series anchor fastener counterbore	$2.25	$9.00
	7005	2		Cut-to-length for 1010	$1.95	$3.90
	7023	4		Cut-to-length for 3060	$2.90	$11.60
	7030	4		Cut-to-length for 3030	$2.60	$10.40
	7050	64		15 Series drill access hole	$1.95	$124.80
	7029	4		5/16-18 tap service for 3060	$15.20	$60.80
	7311	2		Anchor fastener notch for 10 Series	$0.53	$1.06
5	3380	32		15 Series 5/16-18 black zinc end fastener w/ screw	$1.60	$51.20
	2114	16		Gray T-Slot covers for 10 Series	$3.45	$55.20
	2050	8		End caps for 3030	$1.85	$14.80
	3395	4		10 Series anchor fasteners	$2.90	$11.60
	3279	5		15 Series 5/16-18 black zinc double economy T-nut	$0.79	$3.95
	4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	3393	24		10 Series 1/4-20 BHSCS & economy T-nut	$0.40	$9.60
				TOTAL		$1549.17

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: **Must be delivered for assembly by Friday!!!**

1 - Profiles = Pages 147-202 • 2 - Custom Parts = Pages 203-220 • 3 - Panels = Pages 349-432
4 - Machining Services = Pages 559-608 • 5 - Accessories & Tools = Pages 433-456 & 549-558

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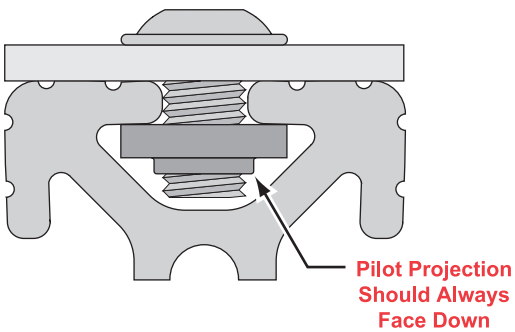
Fastener Standards

Assembling T-slotted profiles with 80/20®'s selection of fasteners is a simple and quick process. To ensure a secure connection, there are a few key points to keep in mind when placing fasteners into the T-slot:

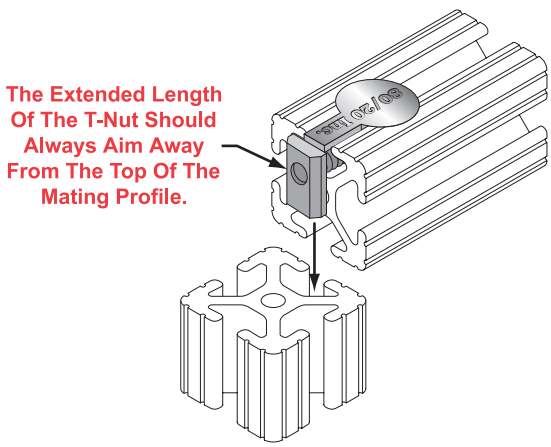
Threaded Pilot Projection

The threaded pilot projection on T-nuts exists to provide more thread, adding strength to the fastener. Always aim the projection down in the T-slot to avoid crashing and an uneven connection.



Offset Tap Hole Location

The offset threaded hole on 80/20® T-nuts allows for a flush surface when mating two profiles at a 90º connection. This is most common when using anchor fasteners, as shown in the example below.



Fastener Hex Tool Size Reference

This chart is a quick reference when looking for the correct size of hex wrench to use with 80/20® fasteners. See pages 549-558 for power bits, T or L handle wrenches, and Bondhus® tools.

Thread Size	Fastener Head			
	SHCS	BHSCS	FBHSCS	FHSCS
8-32	N/A	3/32”	N/A	N/A
10-32	5/32”	1/8”	N/A	N/A
1/4-20	3/16”	5/32”	5/32”	5/32”
5/16-18	1/4”	3/16”	3/16”	3/16”
3/8-16	5/16”	N/A	N/A	7/32”
M5	4mm	3mm	N/A	3mm
M6	5mm	4mm	N/A	4mm
M8	6mm	5mm	N/A	5mm
M10	8mm	6mm	N/A	6mm

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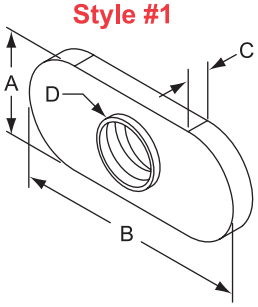
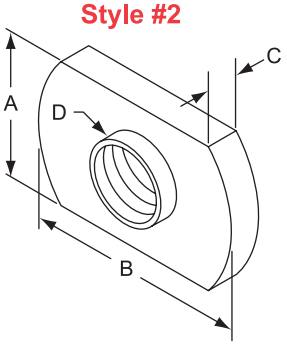
Slide-In Economy T-Nuts

- **Loads from the profile end only**
- **Available in stainless steel or carbon steel, black or bright zinc-plated**
- **Refer to pages 249-259 for our full screw and bolt offering**

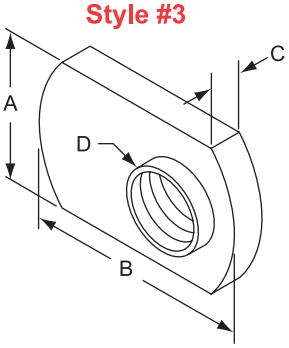
Style #1



Style #2



Style #3

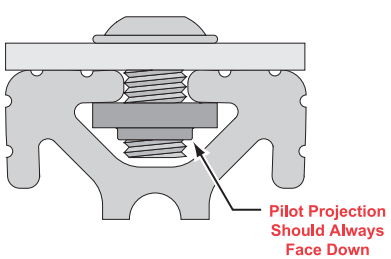


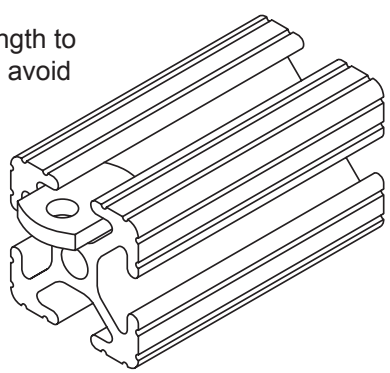
Part No.	Nut Style	A	B	C	D (Thread)	Finish	Lbs.
3275 ⊠	Style 1	.443	.875	.094	8-32 Centered	Black Zinc	.008
3276 ⊠	Style 1	.443	.875	.094	10-32 Centered	Black Zinc	.008
3675 ⊠	Style 1	.443	1.000	.094	1/4-20 Centered	Stainless Steel	.009
3382 ⊠	Style 1	.443	1.000	.094	1/4-20 Centered	Black Zinc	.009
3785 ⊠	Style 1	.443	1.000	.094	1/4-20 Centered	Bright Zinc	.009
3859 ⊠	Style 1	.443	1.000	.094	M6 x 1.0 Centered	Bright Zinc	.010
3686	Style 2	.505	.812	.125	1/4-20 Centered	Stainless Steel	.012
3286	Style 2	.505	.812	.125	1/4-20 Centered	Black Zinc	.012
3786	Style 2	.505	.812	.125	1/4-20 Centered	Bright Zinc	.012
3836	Style 2	.505	1.125	.125	M6 x 1.0 Centered	Bright Zinc	.017
3676 ⊠	Style 3	.380	.625	.094	10-32 Offset	Stainless Steel	.005
3278	Style 3	.637	.984	.142	5/16-18 Offset	Black Zinc	.021
3778	Style 3	.637	.984	.142	5/16-18 Offset	Bright Zinc	.021
3838	Style 3	.630	.984	.142	M8 x 1.25 Offset	Bright Zinc	.021
3678	Style 3	.637	1.125	.142	5/16-18 Offset	Stainless Steel	.024

⊠ = 10 Series Compatible Part

Threaded Pilot Projection

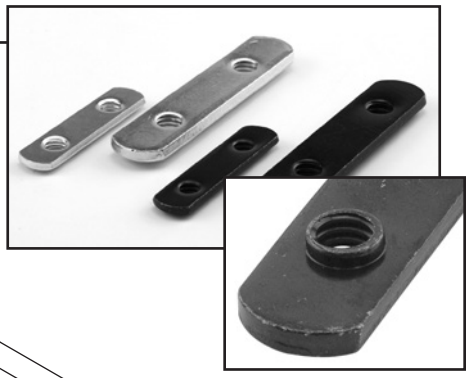
The threaded pilot projection provides more thread, adding strength to the fastener. Always position the projection down in the T-slot to avoid crashing and an uneven connection.



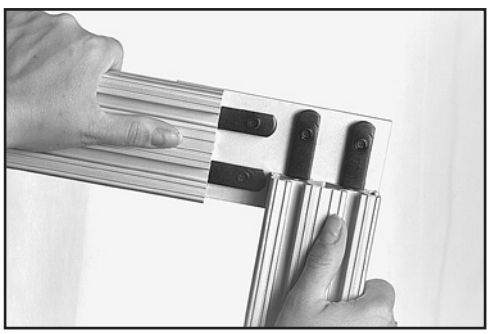


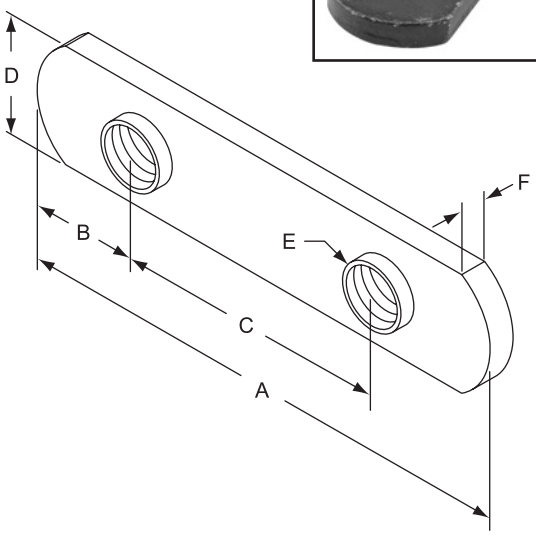
We specialize in FAST™ *same day shipments!*

Double Slide-In Economy T-Nuts



- Reduces assembly time
- Loads from the profile end only
- Perfect for multiple hole joining plates
- Made from steel with bright and black zinc finishes
- Refer to pages 249-259 for our full screw and bolt offering



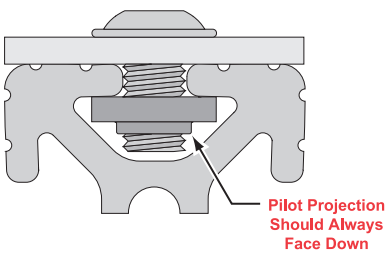


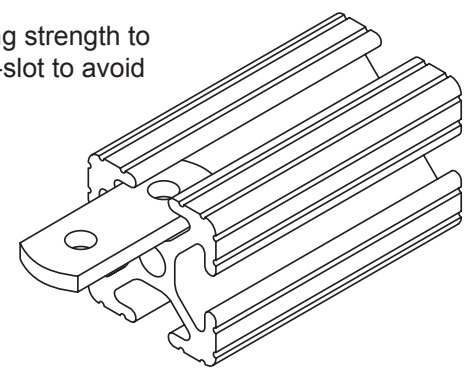
Part No.	A	B	C	D	E (Thread)	F	Finish	Lbs.
3281 ⊠	1.375	.187	1.000	.443	8-32	.095	Black Zinc	.019
3280 ⊠	1.875	.443	1.000	.443	1/4-20	.095	Black Zinc	.012
3800 ⊠	1.870	.443	1.000	.443	M6 x 1.00	.095	Bright Zinc	.012
3279	2.810	.655	1.500	.625	5/16-18	.142	Black Zinc	.063
3879	3.000	.750	1.500	.625	M8 x 1.25	.142	Bright Zinc	.063

⊠ = 10 Series Compatible Part

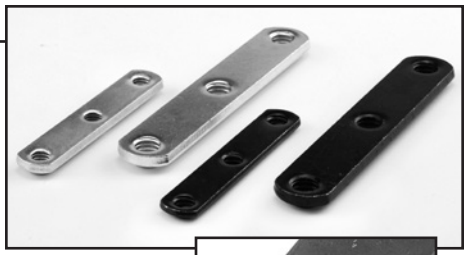
Threaded Pilot Projection

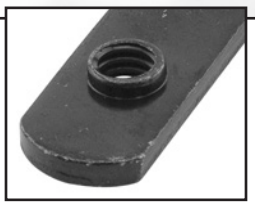
The threaded pilot projection provides more thread, adding strength to the fastener. Always position the projection down in the T-slot to avoid crashing and an uneven connection.



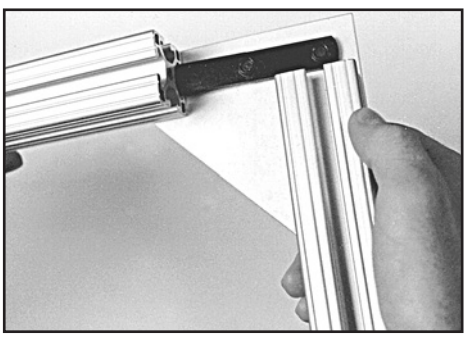


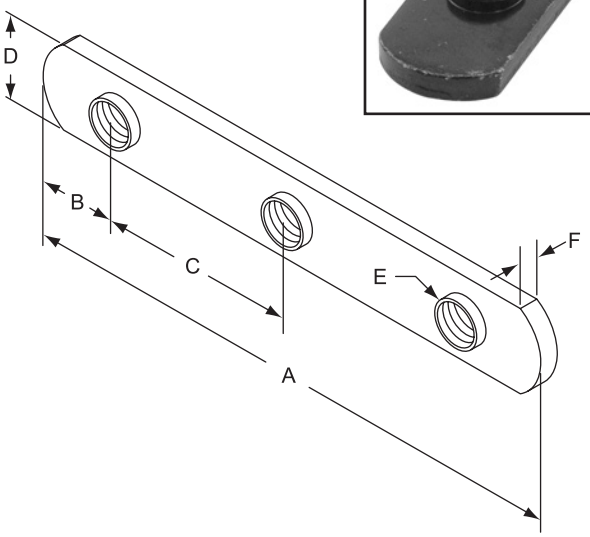
Triple Slide-In Economy T-Nuts





- Reduces assembly time
- Loads from the profile end only
- Made from steel with bright and black zinc finishes
- Perfect for multiple hole joining plates
- Refer to pages 249-259 for our full screw and bolt offering



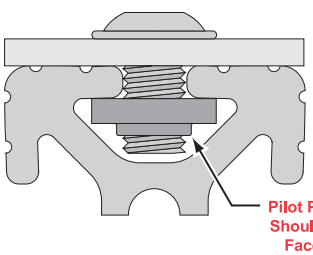


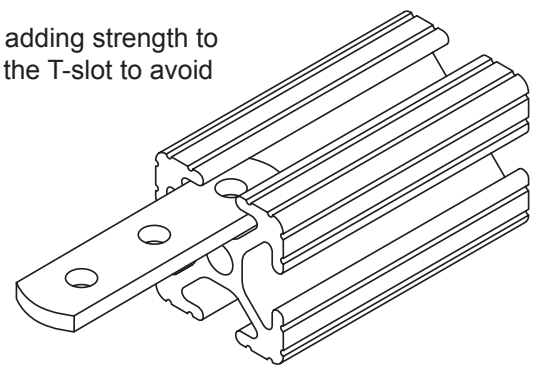
Part No.	A	B	C	D	E (Thread)	F	Finish	Lbs.
3287 ⊠	2.450	.241	1.000	.440	1/4-20	.095	Black Zinc	.019
3900 ⊠	2.450	.241	1.000	.440	M6 x 1.00	.095	Bright Zinc	.020
3285	3.560	.296	1.500	.625	5/16-18	.142	Black Zinc	.063
3805	3.560	.296	1.500	.625	M8 x 1.25	.142	Bright Zinc	.063

⊠ = 10 Series Compatible Part

Threaded Pilot Projection

The threaded pilot projection provides more thread, adding strength to the fastener. Always position the projection down in the T-slot to avoid crashing and an uneven connection.

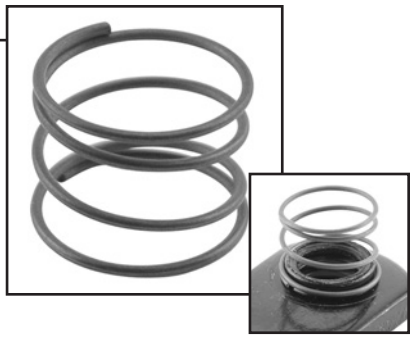




We specialize in FAST™ same day shipments!

Economy T-Nut Holding Springs

- Holds 15 Series 5/16-18 or M8 x 1.25 slide-in economy T-nuts in place
- Snaps around the pilot projection of the T-nut
- Sold in bags of 100 springs
- Compatible with 3278, 3279, 3285, 3678, 3778, 3805, 3838, and 3879



Part No.	Compatible Series	Lbs. (bag)
3010	15 Series & 40 Series	.100

Slide-In Economy T-Slot Studs

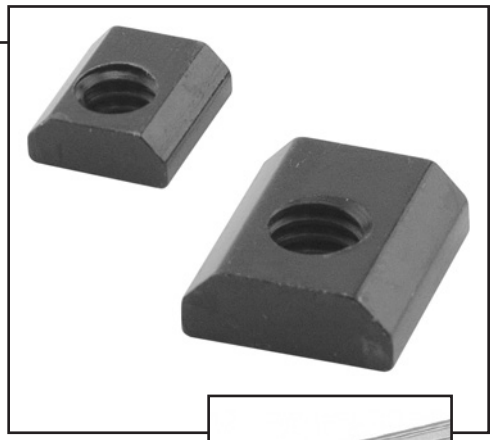
- 15 Series compatible
- Loads from the profile end only
- Strongest fastener available for joining plates
- Square neck prevents rotation
- Refer to pages 249-259 for our full nut and washer offering

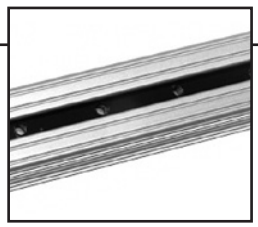
Part No.	Finish	Thread x Length	Lbs.
3116	SAE Grade 5 Black Zinc Finish	5/16-18 x .75"	.026
3851	SAE Grade 2 Bright Zinc Finish	M8 x 20mm	.031
3120	SAE Grade 5 Black Zinc Finish	5/16-18 x 1.00"	.031
3852	SAE Grade 2 Bright Zinc Finish	M8 x 25mm	.034
3126	SAE Grade 5 Black Zinc Finish	5/16-18 x 1.25"	.035
3853	SAE Grade 2 Bright Zinc Finish	M8 x 30mm	.037
3134	SAE Grade 5 Black Zinc Finish	5/16-18 x 1.50"	.039
3854	SAE Grade 2 Bright Zinc Finish	M8 x 35mm	.043
3288	SAE Grade 5 Black Zinc Finish	5/16-18 x 1.75"	.045
3857	SAE Grade 2 Bright Zinc Finish	M8 x 45mm	.047
3290	SAE Grade 5 Black Zinc Finish	5/16-18 x 2.00"	.050

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

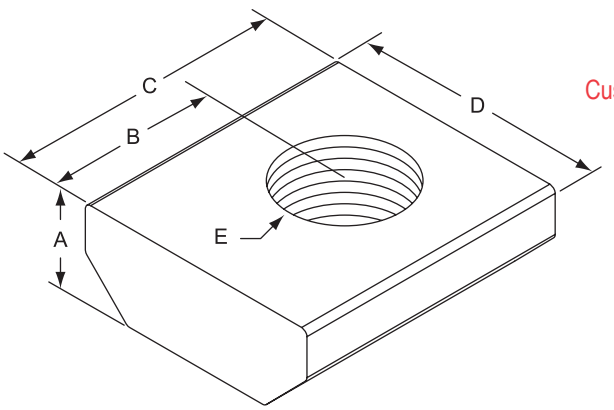
Slide-In T-Nuts

- **Loads from the profile end only**
- **Made from 1215 carbon steel with bright and black zinc finishes**
- **Up to 36" standard T-nut lengths are available for customized T-nut hole configuration***
- **Refer to pages 249-259 for our full screw and bolt offering**
- **See page 563 for cut-to-length, Part No. 7212.**





Customized Lengths Available



Part No.	A	B (Tap Location)	C	D	E (Thread)	Finish	Lbs.
3205 ⊠	.171	.200	.490	.431	10-32	Black Zinc	.010
3204 ⊠	.171	.200	.490	.431	1/4-20	Black Zinc	.010
3206 ⊠	.171	.200	.490	.431	M5 x .80	Black Zinc	.010
3871 ⊠	.171	.200	.490	.431	M5 x .80	Bright Zinc	.010
3873 ⊠	.171	.200	.490	.431	M6 x 1.00	Bright Zinc	.010
8901 ⊠	.171	Per your Drawing	Per your Drawing	.431	Per your Drawing	Per your Drawing	.230 / Ft.
8901-36 ⊠	.171	N/A	36.000	.431	N/A	Black or Bright Zinc	.690
3201	.250	.281	.687	.625	10-32	Black Zinc	.020
3202	.250	.281	.687	.625	1/4-20	Black Zinc	.020
3203	.250	.281	.687	.625	5/16-18	Black Zinc	.020
3866	.250	.281	.687	.625	M6 x 1.00	Bright Zinc	.020
3703	.250	.281	.687	.625	5/16-18	Bright Zinc	.020
3868	.250	.281	.687	.625	M8 x 1.25	Bright Zinc	.020
8900	.250	Per your Drawing	Per your Drawing	.625	Per your Drawing	Per your Drawing	.460 / Ft.
8900-36	.250	N/A	36.000	.625	N/A	Black or Bright Zinc	1.308

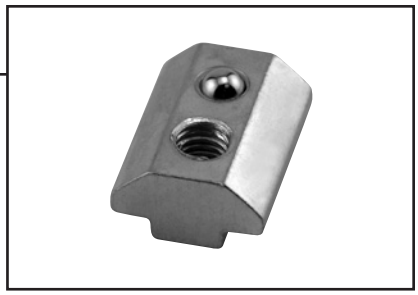
⊠ = 10 Series Compatible Part

***Note:** 80/20® can customize T-nut profiles to match your specific requirements; simply submit a sketch to 80/20® or your distributor.

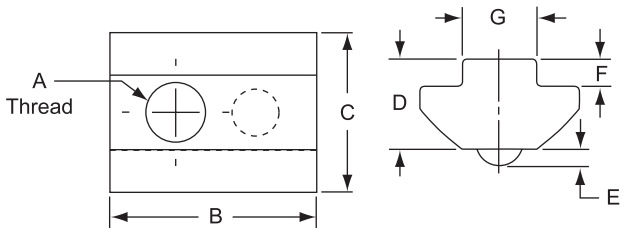
We specialize in FAST™ *same day shipments!*

Slide-In T-Nuts with Ball Spring

Steel, Zinc-Plated, Self-Aligning



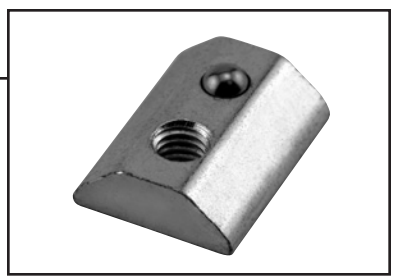
- **Loads from the profile end only**
- **Compatible with 15 and 40 Series profiles**
- **Ball spring positions the T-nut in the slot for easier assembly**



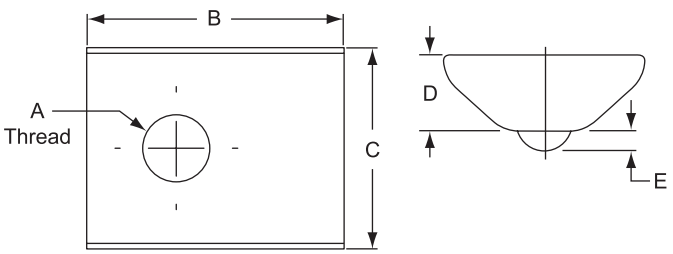
Part No.	A	B	C	D	E	F	G	Lbs.	Compatibility Code*
13050	M4	.866	.669	.378	.067	.114	.315	.024	8-15 8-40
13051	M5							.023	
13052	M6							.022	
13053	M8							.020	
13054	1/4-20							.022	
13055	5/16-18							.020	

Slide-In T-Nuts with Ball Spring

Steel, Zinc-Plated



- **Loads from the profile end only**
- **Compatible with 15 and 40 Series profiles**

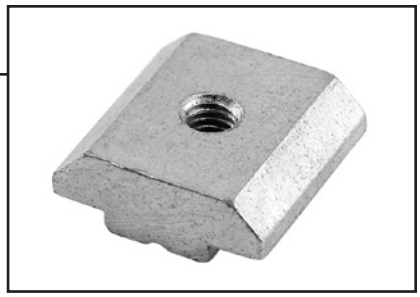


Part No.	A	B	C	D	E	Lbs.	Compatibility Code*
13064	M5	.905	.709	.268	.067	.036	8-15 8-40
13065	M6					.035	
13066	M8					.033	

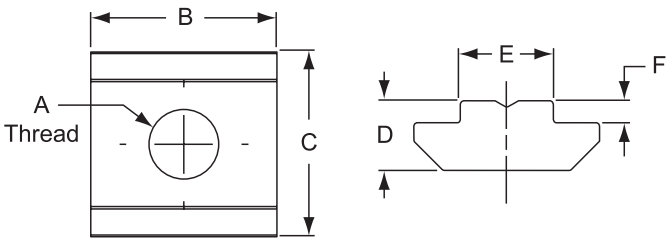
* See Compatibility Code information on page 152.

Slide-In T-Nuts

Steel, Zinc-Plated, Self-Aligning



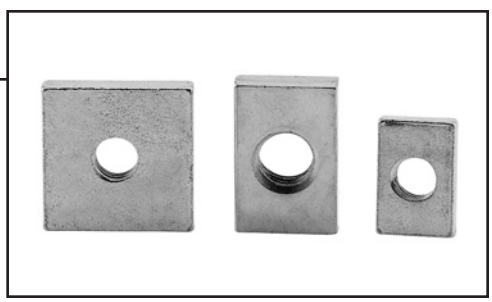
- Loads only from the profile end
- Compatible with 15, 30 and 40 Series profiles



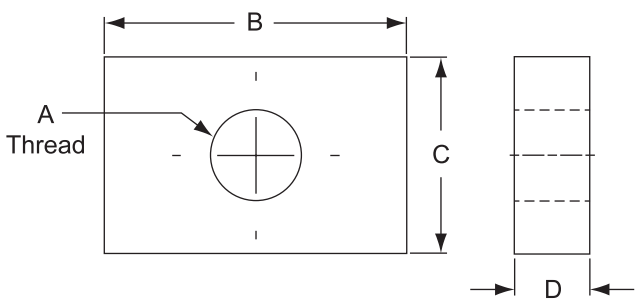
Part No.	A	B	C	D	E	F	Lbs.	Compatibility Code*
13022	M4	.630	.630	.236	.315	.075	.019	8-15
13023	M5						.018	8-30
13024	M6						.017	8-40
13025	M8						.015	

Slide-In Economy T-Nuts

Steel, Zinc-Plated



- Loads only from the profile end
- Very economical
- Low profile

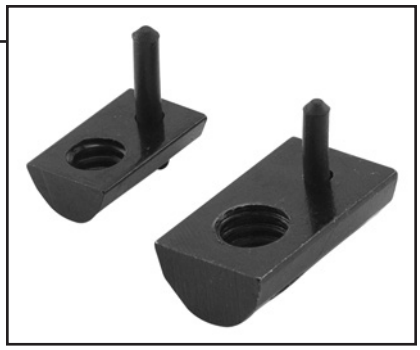


Part No.	A	B	C	D	Compatibility Code*
14124	M6	.590	.394	.157	6-10, 6-25
14126	M6	.748	.630	.157	8-15, 8-40, 10-45
14127	M8	.748	.630	.157	8-15, 8-40, 10-45
14130	M6	.787	.512	.197	8-15, 8-40, 10-45
14131	M8	.787	.512	.197	8-15, 8-40, 10-45

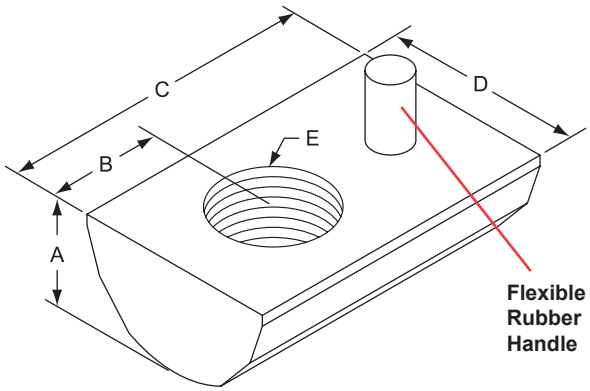
* See Compatibility Code information on page 152.

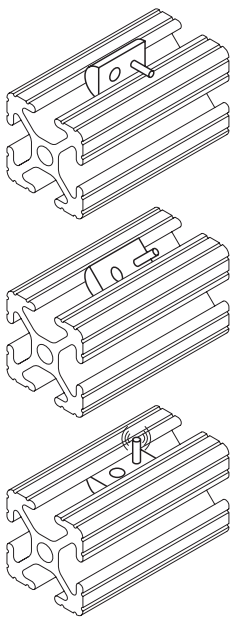
We specialize in FAST™ same day shipments!

Roll-In T-Nuts with Flex Handle



- Easy to add and reposition on existing frame where T-slot ends are captivated
- Can be loaded from the profile end or the profile side
- Rubber friction nub holds nut in vertical position in the T-slot
- This high strength T-nut reduces assembly time and can be easily removed from the T-slot
- Refer to pages 249-259 for our full screw and bolt offering

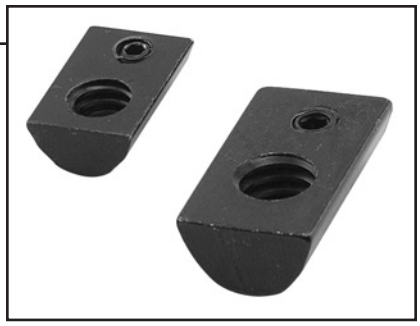




Part No.	A	B (Tap Location)	C	D	E (Thread)	Finish	Lbs.
3375 ⊠	.200	.201	.620	.395	10-32	Black Zinc	.009
3790 ⊠	.200	.201	.620	.395	10-32	Bright Zinc	.009
3376 ⊠	.200	.201	.620	.395	1/4-20	Black Zinc	.008
3624 ⊠	.200	.201	.620	.395	1/4-20	Stainless Steel	.008
3791 ⊠	.200	.201	.620	.395	1/4-20	Bright Zinc	.009
3875 ⊠	.200	.201	.620	.395	M5 x .80	Bright Zinc	.010
3876 ⊠	.200	.201	.620	.395	M6 x 1.00	Bright Zinc	.008
3284	.285	.310	.875	.510	10-32	Black Zinc	.026
3784	.285	.310	.875	.510	10-32	Bright Zinc	.026
3283	.285	.310	.875	.510	1/4-20	Black Zinc	.024
3783	.285	.310	.875	.510	1/4-20	Bright Zinc	.025
3843	.285	.310	.875	.510	M6 x 1.00	Bright Zinc	.023
3282	.285	.310	.875	.510	5/16-18	Black Zinc	.023
3782	.285	.310	.875	.510	5/16-18	Bright Zinc	.023
3842	.285	.310	.875	.510	M8 x 1.25	Bright Zinc	.023
3602	.285	.310	.875	.510	1/4-20	Stainless Steel	.022
3600	.285	.310	.875	.510	5/16-18	Stainless Steel	.023

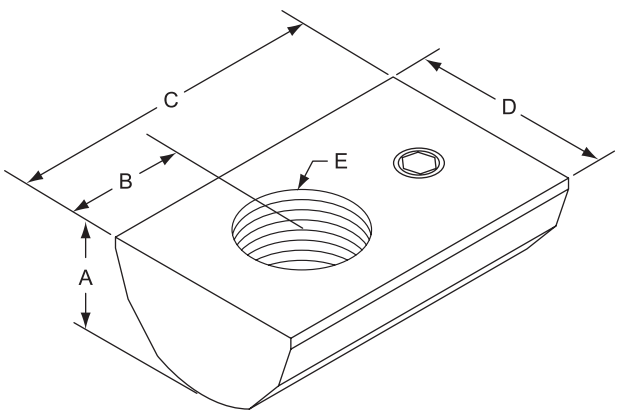
⊠ = 10 Series Compatible Part

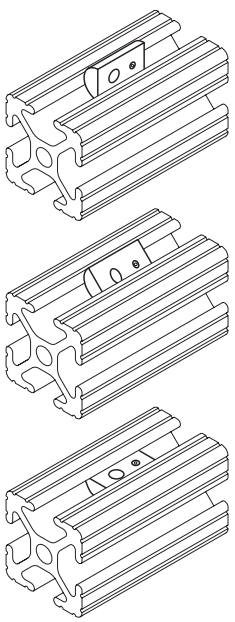
Roll-In T-Nuts with Set Screw



- **Easy to add and reposition to an existing frame where T-slot ends are captivated**
- **Can be loaded from the profile end or the profile side**
- **The set screw permanently positions the T-nut in the T-slot***
- **Available in black and bright zinc as well as stainless steel**
- **Refer to pages 249-259 for our full screw and bolt offering**

***Note:** An "L" wrench or a Bondhus® Combo Tool, shown in Section 11, is required for adjusting the set screw.





Part No.	A	(B) Tap Location	C	D	E (Thread)	Set Screw Thread	Hex Wrench Size	Finish	Lbs.
3312 ⊠	.200	.201	.620	.395	10-32	6-32	1/16	Black Zinc	.008
3313 ⊠	.200	.201	.620	.395	1/4-20	6-32	1/16	Black Zinc	.008
3309	.285	.310	.875	.510	10-32	10-24	3/32	Black Zinc	.029
3310	.285	.310	.875	.510	1/4-20	10-24	3/32	Black Zinc	.027
3311	.285	.310	.875	.510	5/16-18	10-24	3/32	Black Zinc	.026
3605	.285	.310	.875	.510	1/4-20	10-24	3/32	Stainless Steel	.027
3608	.285	.310	.875	.510	5/16-18	10-24	3/32	Stainless Steel	.026
3781	.285	.310	.875	.510	10-32	10-24	3/32	Bright Zinc	.029
3787	.285	.310	.875	.510	1/4-20	10-24	3/32	Bright Zinc	.028
3788	.285	.310	.875	.510	5/16-18	10-24	3/32	Bright Zinc	.026
3892	.285	.310	.875	.510	M5 x 0.80	M5	2.5MM	Bright Zinc	.029
3894	.285	.310	.875	.510	M8 x 1.25	M5	2.5MM	Bright Zinc	.025
3898	.285	.310	.875	.510	M6 x 1.00	M5	2.5MM	Bright Zinc	.026

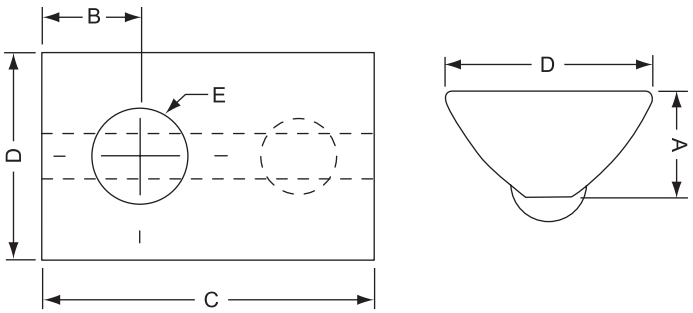
⊠ = 10 Series Compatible Part

We specialize in FAST™ *same day shipments!*

Roll-In T-Nuts with Ball Spring

- 10, 15, 25 and 40 Series compatible
- Easy to add and reposition to existing frame where T-slot ends are captivated
- Can be loaded from the profile end or the profile side
- The ball spring holds the T-nut in vertical position in the T-slot
- Refer to pages 249-259 for our full screw and bolt offering

NEW! **Now available for 10 Series**

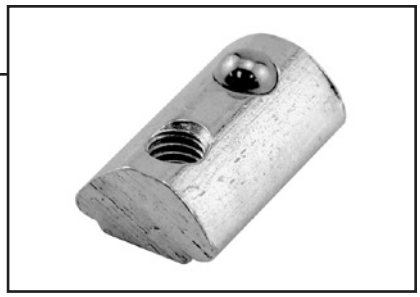


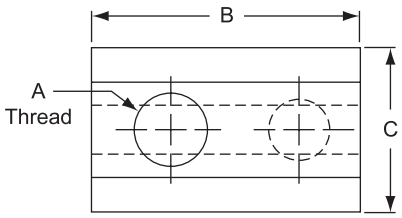
Part No.	A	B (Tap Location)	C	D	E (Thread)	Finish	Lbs.
3913	.276	.276	.866	.539	M5	Bright Zinc	.028
3914	.276	.276	.866	.539	M6	Bright Zinc	.026
3915	.276	.276	.866	.539	M8	Bright Zinc	.026
3916	.276	.276	.866	.539	1/4-20	Bright Zinc	.028
3917	.276	.276	.866	.539	5/16-18	Bright Zinc	.026
3919	.200	.200	.620	.395	M4	Bright Zinc	.0098
3920	.200	.200	.620	.395	M5	Bright Zinc	.0094
3921	.200	.200	.620	.395	M6	Bright Zinc	.0084
3922	.200	.200	.620	.395	10-32	Bright Zinc	.0092
3923	.200	.200	.620	.395	1/4-20	Bright Zinc	.0084
3666	.200	.200	.620	.395	M4	Stainless Steel	.0084
3667	.200	.200	.620	.395	M5	Stainless Steel	.0094
3668	.200	.200	.620	.395	M6	Stainless Steel	.0088
3669	.200	.200	.620	.395	10-32	Stainless Steel	.0096
3670	.200	.200	.620	.395	1/4-20	Stainless Steel	.0086
13018	.275	.255	.866	.539	1/4-20	Stainless Steel	.022
13021	.275	.255	.866	.539	5/16-18	Stainless Steel	.020

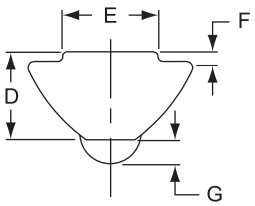
Roll-In T-Nuts with Ball Spring

Steel & Stainless Steel, Self-Aligning

- **T-nut can be loaded from the profile end or side**
- **Ball spring positions the T-nut in the slot for easier assembly**
- **Use in 15 and 40 Series profiles**







Part No.	Material	A	B	C	D	E	F	G	Lbs.	Compatibility Code*
13027	Steel, Zinc-Plated	M4	.866	.531	.283	.307	.031	.067	.024	8-15 8-40
13028		M5							.023	
13031		M6							.022	
13034		M8							.020	
13039		10-32							.024	
13037		1/4-20							.022	
13040		5/16-18							.021	
13029	Stainless Steel	M5							.023	
13032		M6							.022	
13035		M8							.020	

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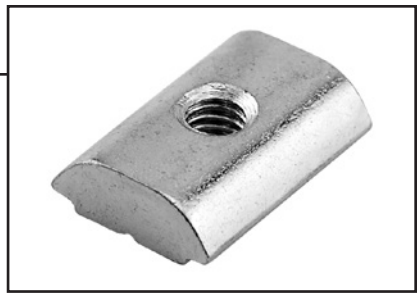
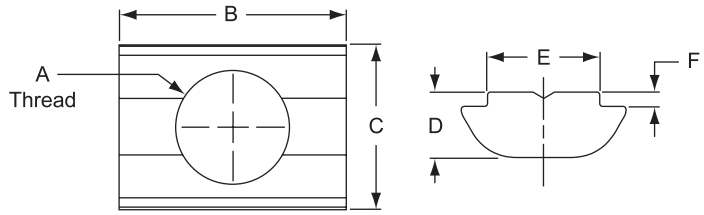
Roll-In T-Nuts

Steel, Zinc-Plated, Self-Aligning



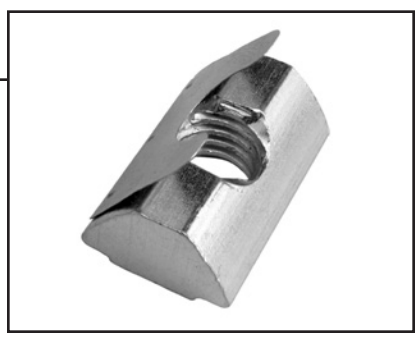
- **Loads from the profile end or side**
- **Use in 15, 30 and 40 Series profiles**



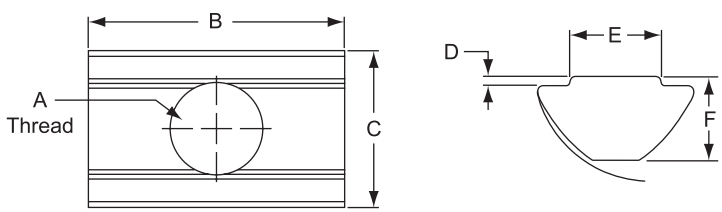
Part No.	A	B	C	D	E	F	Lbs.	Compatibility Code*
13088	M4	.630	.457	.181	.311	.039	.009	8-15 8-30 8-40
13090	M5						.008	
13092	M6						.007	
13094	M8						.006	
13096	1/4-20						.010	
13098	5/16-18						.008	

Roll-In T-Nuts with Spring Leaf

Steel, Zinc-Plated, Self-Aligning



- **Loads from the profile end or side**
- **Spring leaf positions the T-nut in the slot for easier assembly**
- **Compatible with 15 and 40 Series profiles**



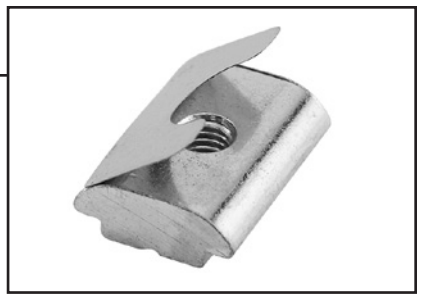
Part No.	A	B	C	D	E	F	Lbs.	Compatibility Code*
13030	M5	.866	.531	.031	.307	.283	.025	8-15 8-40
13033	M6						.024	
13036	M8						.022	
13038	1/4-20						.024	
13041	5/16-18						.022	

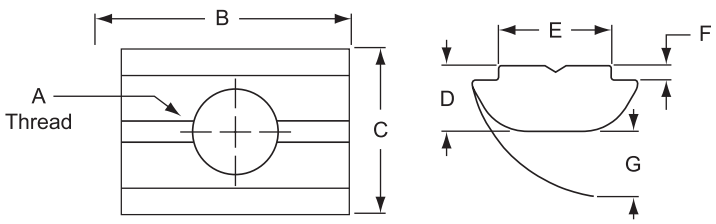
* See Compatibility Code information on page 152.

Roll-In T-Nuts with Spring Leaf

Steel, Zinc-Plated, Self-Aligning

- Loads from the profile end or side
- Spring leaf positions the T-nut in the slot for easier assembly
- Compatible with 15, 30 and 40 Series profiles



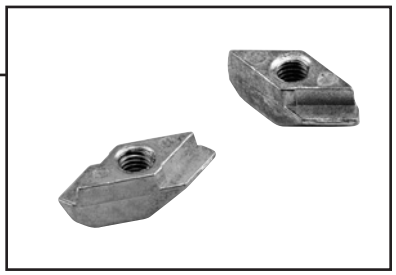


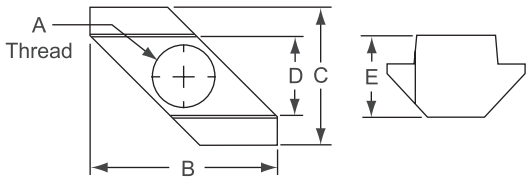
Part No.	A	B	C	D	E	F	G	Lbs.	Compatibility Code*
13089	M4	.630	.457	.181	.311	.039	.205	.008	8-15 8-30 8-40
13091	M5							.008	
13093	M6							.007	
13095	M8							.007	

Drop-In T-Nuts

Die-Cast Zinc

- Loads from the profile end or side
- Compatible with 15 and 40 Series profiles





Part No.	A	B	C	D	E	Lbs.	Compatibility Code*
13179	M3	.748	.551	.315	.327	.011	8-15 8-40
13180	M4						
13181	M5						
13182	M6						
14161	1/4-20						

* See Compatibility Code information on page 152.

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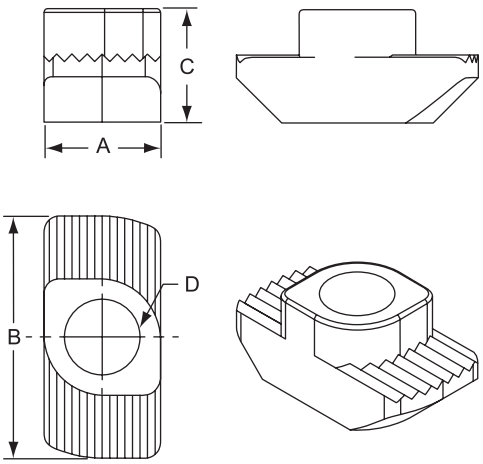
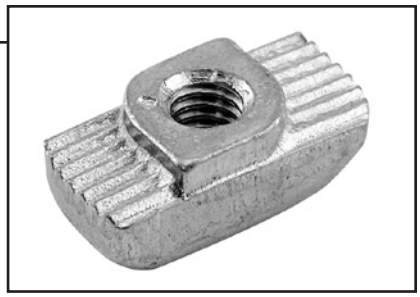
Drop-In T-Nuts





- **10, 15, 25 and 40 Series compatible**
- **Loads into the profile T-slot when ends are captivated**
- **Ridges bite into the profile surface maximizing the connection**

Part No.	Material	A	B	C	D (Thread)	Lbs.	Compatibility Code*
3930	Zinc-Plated Steel	.310	.625	.250	M5	.007	8-15
3931					M6	.007	
3932					10-32	.007	8-40
3933					1/4-20	.007	
14162	Steel	.224	.453	.165	10-32	.003	6-10
14164					M4	.003	6-25
14166	Stainless Steel				M4	.003	
13114	Zinc-Plated Steel	.303	.630	.295	M4	.010	8-15
13116					M5	.008	
13119					M6	.007	8-40
14165					1/4-20	.007	

* See Compatibility Code information on page 152.

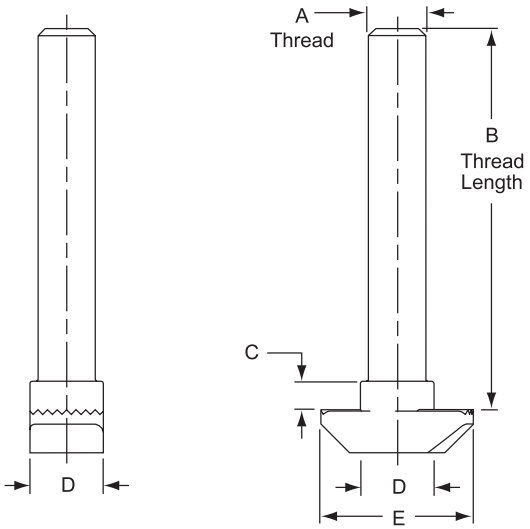
CUSTOMIZE YOUR PROJECT WITH ANY OF THESE 80/20® ACCESSORIES

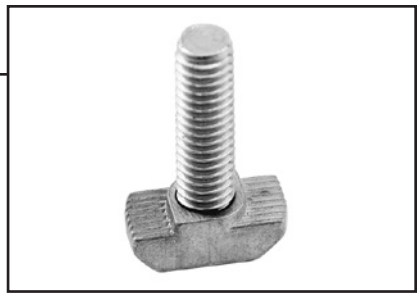
- End Caps - Pg. 436
- Cart Guard® - Pg. 444-445
- Tube Clamps - Pg. 440 & 450
- Document Holders - Pg. 449
- T-Slot Covers - Pg. 437
- AkroBins® - Pg. 446
- Wiring Duct - Pg. 439
- Pressure Manifolds - Pg. 451-453
- Table Tops - Pg. 443
- Bumpers - Pg. 448
- Tool Hangers - Pg. 447

- **Custom designs to fit your space constraints**
- **Workstation & desk components to meet the demands of the job at hand**
- **Aesthetically pleasing**
- **End or side mounts for manifold plates, even CUSTOM plates (our specialty)**
- **Accessories to compliment your design even more**
- **COLORS! COLORS! COLORS!**
- **One-Stop Shopping!…only at 80/20**

Drop-In T-Studs

Steel



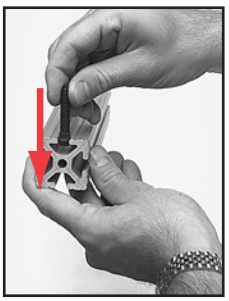


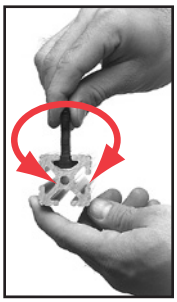
- **15 and 40 Series compatible**
- **Loads from the profile end or side**

Part No.	Material	A	B	C	D	E	Lbs.	Compatibility Code*
13144	Zinc-Plated Steel	M6	.787	1.18	.303	.630	.012	8-15 8-40
13145			.984				.014	
13146			1.181				.018	
13147			1.575				.022	
13148			2.362				.028	

Drop-In T-Slot Studs

- **15 Series compatible**
- **Loaads from the profile end or into the profile side when both ends are captivated**
- **Neck engages in T-slot opening, preventing rotation.**
- **Refer to pages 249-259 for our full nut and washer offering**





Part No.	Finish	Thread x Length	Lbs.
3293	SAE Grade 5 Black Zinc Finish	5/16-18 x 3/4"	.023
3295	SAE Grade 5 Black Zinc Finish	5/16-18 x 1"	.027
3297	SAE Grade 5 Black Zinc Finish	5/16-18 x 1-1/4"	.032
3299	SAE Grade 5 Black Zinc Finish	5/16-18 x 1-1/2"	.036

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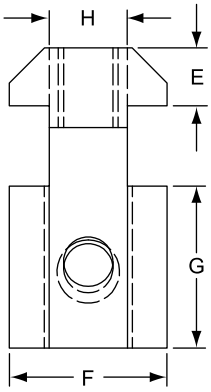
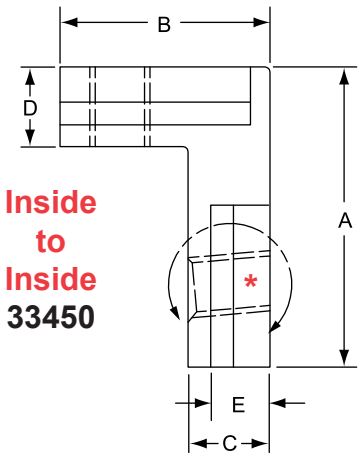
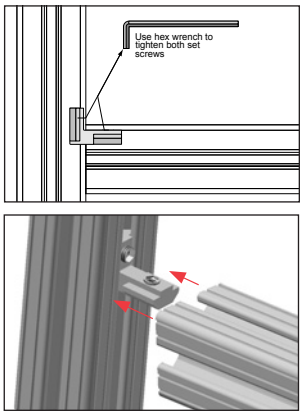
Hidden Corner Connectors

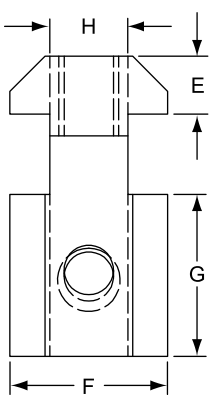
- Die-cast zinc, clear finish
- Provides a hidden 90° corner connection
- Included M6 or M8 set screws allow for easy installation
- Quick, easy connection for lightweight applications
- Required panel machining details on page 591

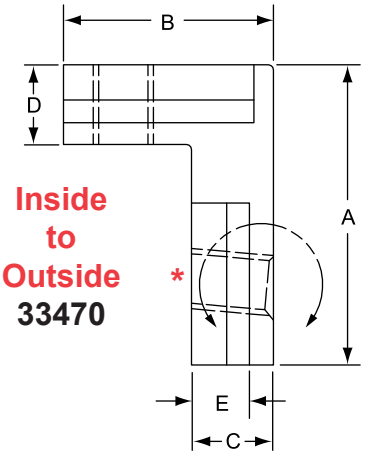




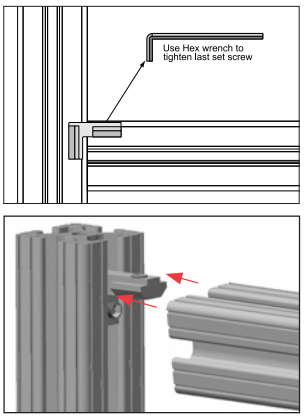
Inside to Inside
33450







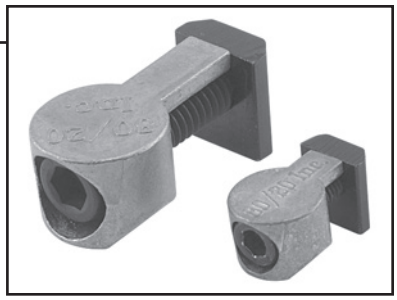
Inside to Outside
33470



Part No.	Description	Slot	* Set Screw Size	Wrench Size	A	B	C	D	E	F	G	H	Lbs.	Compatibility Code
33450	Inside to Inside	8mm	M6	3mm	1.181	.827	.323	.313	.228	.621	.638	.307	.050	8-15, 8-30, 8-40
33470	Inside to Outside	8mm	M6	3mm	1.181	.827	.323	.313	.228	.621	.638	.307	.100	

80/20® Inc.
The Industrial Erector Set®
THE STANDARD

Anchor Fasteners

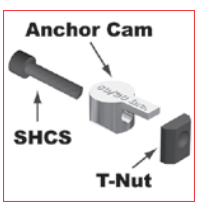


- One of 80/20®'s strongest fastening options
- Allows infinite positioning along a T-slotted profile
- Provides a vibration-proof, clean, flush connection where space restrictions apply
- Creates 90º connections where T-slots are in alignment
- Refer to page 567 for counterbore machining specifications
- Ships pre-assembled, saving you time *

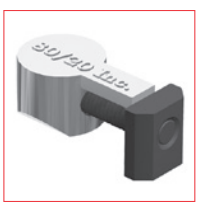
Part No.	Finish	Bolt Type	T-Nut Type	Lbs.
* 3395 ⌘	Zinc Casting w/ Lacquer Finish	10-32 x.75"	Slide-In	.020
3896 ⌘	Zinc Casting w/ Lacquer Finish	M5 x 18mm	Slide-In	.020
3363 ⌘	Zinc Casting w/ Lacquer Finish	10-32 x.75"	Roll-In	.040
3665 ⌘	Zinc Casting w/ Lacquer Finish	Stainless Steel 10-32 x.75"	Slide-In	.020
3391 ⌘	Black Zinc Casting w/ Lacquer Finish	No bolt	N/A	.010
* 3392 ⌘	Black Zinc Casting w/ Lacquer Finish	10-32 x.75"	Slide-In	.020
3396 ⌘	Zinc Casting w/ Lacquer Finish	No Bolt	N/A	.010
* 3360	Zinc Casting w/ Lacquer Finish	5/16-18 x 1.3"	Slide-In	.100
3897	Zinc Casting w/ Lacquer Finish	M8 x 32mm	Slide-In	.100
3362	Zinc Casting w/ Lacquer Finish	5/16-18 x 1.3"	Roll-In	.100
3660	Zinc Casting w/ Lacquer Finish	Stainless Steel 5/16-18 x 1.25"	Slide-In	.100
3354	Black Zinc Casting w/ Lacquer Finish	No Bolt	N/A	.045
* 3359	Black Zinc Casting w/ Lacquer Finish	5/16-18 x 1.3"	Slide-In	.100
3361	Zinc Casting w/ Lacquer Finish	No Bolt	N/A	.045

⌘ = 10 Series Compatible Part

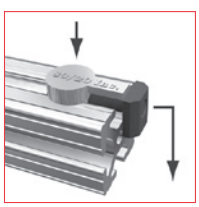
Anchor Fastener Assembly Steps



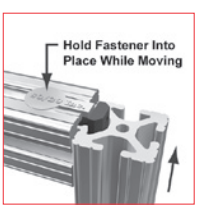
Step #1
Anchor fasteners are composed of a socket head cap screw (SHCS), anchor cam and T-nut.



Step #2
Anchor fasteners ship pre-assembled. Slightly loosen the nut and bolt.



Step #3
Load the assembled anchor fastener into the counterbore hole. Be sure to position the T-nut with the offset hole oriented toward the top of the fastener. (See photo, Step #2)



Step #4
While holding the anchor fastener in the counterbore hole, slide the mating profile into place.

Step #5
Square and align the mating profile. Using a T-handle hex wrench, tighten the SHCS in a clockwise motion until the profiles are securely affixed.

www.8020.net/anchor.asp

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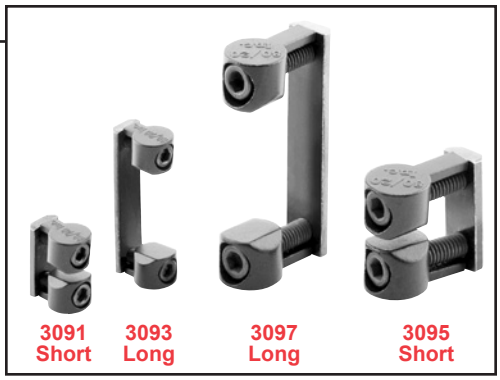
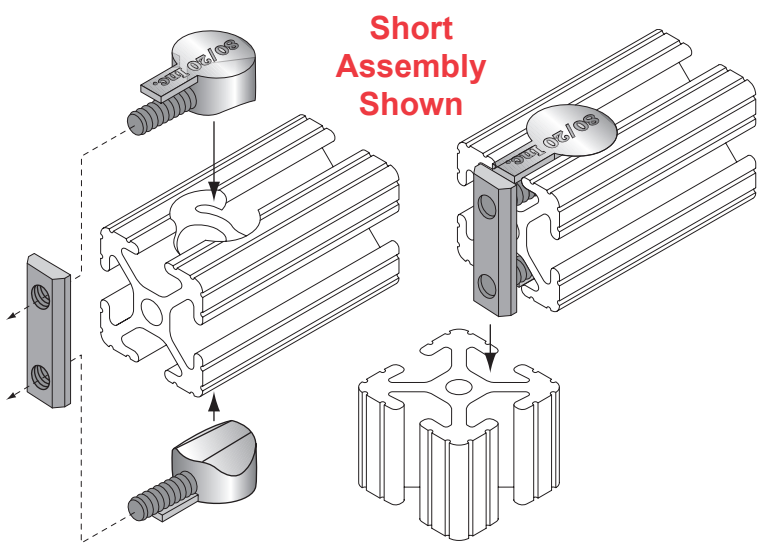
Double Anchor Fasteners



- One of 80/20®'s strongest fastening options
- Allows infinite positioning along a T-slotted profile
- Provides a vibration-proof, clean, flush connection where space restrictions apply
- Creates 90º connections where T-slots are in alignment
- Profile must have T-slots opposite each other
- Short assemblies mount across the 1.0" dimension for 10 Series and 1.5" dimension for 15 Series
- Long assemblies mount across the 2.0" dimension for 10 Series and 3.0" dimension for 15 Series
- Refer to page 567 for counterbore machining specifications

Part No.	Finish	Bolt Assembly (Included)	Lbs.	Profile Compatibility
3090 ⊠	Zinc Casting w/ Lacquer Finish	10-32 Short Assembly	.062	1010, 1003, 1004, 1020, 1030
3091 ⊠	Zinc Casting w/ Black Finish	10-32 Short Assembly	.062	1010, 1003, 1004, 1020, 1030
3092 ⊠	Zinc Casting w/ Lacquer Finish	10-32 Long Assembly	.080	1020, 2020, 2040
3093 ⊠	Zinc Casting w/ Black Finish	10-32 Long Assembly	.080	1020, 2020, 2040
3094 ⊠	Zinc Casting w/ Lacquer Finish	M5 Short Assembly	.062	1010, 1003, 1004, 1020, 1030
3096 ⊠	Zinc Casting w/ Lacquer Finish	M5 Long Assembly	.080	1020, 2020, 2040
3098	Zinc Casting w/ Lacquer Finish	5/16-18 Short Assembly	.202	1515, 1515-Lite, 1503, 1504, 1530, 1530-Lite, 1545
3095	Zinc Casting w/ Black Finish	5/16-18 Short Assembly	.202	1515, 1515-Lite, 1503, 1504, 1530, 1530-Lite, 1545
3099	Zinc Casting w/ Lacquer Finish	5/16-18 Long Assembly	.263	1530, 1530-Lite, 3030, 3060
3097	Zinc Casting w/ Black Finish	5/16-18 Long Assembly	.263	1530, 1530-Lite, 3030, 3060
3100	Zinc Casting w/ Lacquer Finish	M8 Short Assembly	.202	1515, 1515-Lite, 1503, 1504, 1530, 1530-Lite, 1545
3102	Zinc Casting w/ Lacquer Finish	M8 Long Assembly	.263	1530, 1530-Lite, 3030, 3060

⊠ = 10 Series Compatible Part



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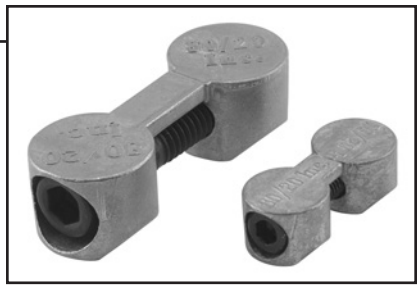
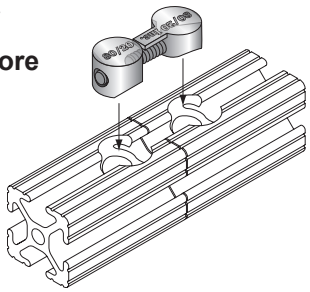
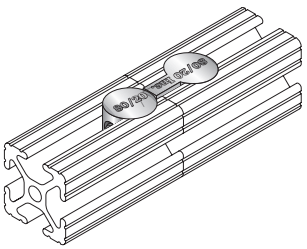
Butt Fasteners

- **Fastens two profiles end-to-end for maximum strength and near perfect alignment**
- **Connecting bolt included**
- **Provides a clean and flush connection where space restrictions apply**
- **Refer to page 567 for counterbore machining specifications**



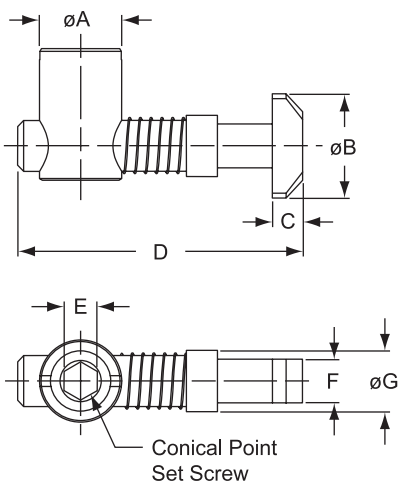




Part No.	Finish	Lbs.
3369 ⊠	Zinc Casting w/ Lacquer Finish	.041
3370	Zinc Casting w/ Lacquer Finish	.145

⊠ = 10 Series Compatible Part

Central Connector
Steel, Zinc-Plated



13188
Horizontal

13187
Vertical

See page 581 for machining services.

Part No.	Connector Nut Orientation	A	B	C	D	E	F	G	Lbs.	Machining Service	Compatibility Code*
13187	Vertical	.590	.748	.216	2.047	.236	.315	.441	.110	7058	8-15, 8-40
13188	Horizontal							.433			

* See Compatibility Code information on page 152.

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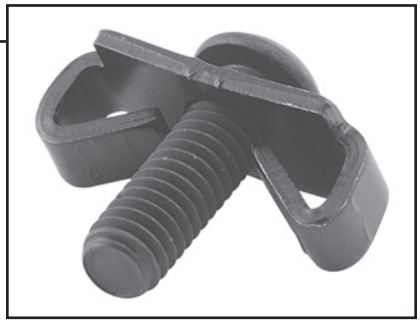
Standard End Fasteners



- **Provides a clean, hidden method of connecting profiles at 90º without the use of joining plates**
- **Winged tabs of clip prevents mating profile from rotating**
- **Mounting profile requires an end tap; mating profile requires an access hole to reach the screw head**
- **See page 564 for tapping services**
- **See page 565 for access hole services**

Part No.	Finish	Screw Included	Thread	Lbs.
3381 ⊠	Black Zinc	Yes	1/4-20	.020
3682 ⊠	Bright Zinc (clip)	Yes (Stainless Steel)	1/4-20	.020
3895 ⊠	Bright Zinc	Yes	M6 x 1.00	.020
3378 ⊠	Black Zinc	No	N/A	.010
3681 ⊠	Bright Zinc	No	N/A	.010
3380	Black Zinc	Yes	5/16-18	.048
3680	Bright Zinc (clip)	Yes (Stainless Steel)	5/16-18	.048
3891	Bright Zinc	Yes	M8 x 1.25	.048
3379	Black Zinc	No	N/A	.025
3679	Bright Zinc	No	N/A	.025

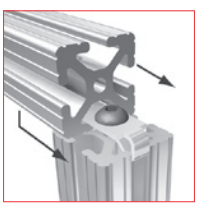
⊠ = 10 Series Compatible Part

End Fastener Assembly Steps

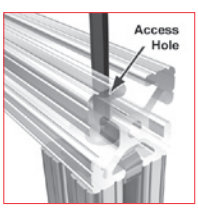
Step #1
End fasteners are composed of a button head socket cap screw (BHSCS) and a wing clip.

Step #2
Pre-assemble by placing the BHSCS through the hole in the wing clip as shown in the photo at left.

Step #3
Orient the wing clip in the direction of the mating profile's T-slot. Begin to screw the BHSCS into the tapped hole of the mounting profile. (Do NOT fully tighten)



Step #4
Slide the mating profile into place. When aligned, the access hole on the mating profile should align with the BHSCS.



Step #5
Place a T-handle hex wrench into the access hole until the wrench head inserts into the BHSCS. Tighten clockwise until secure.

www.8020.net/end.asp

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Single Tab End Fasteners

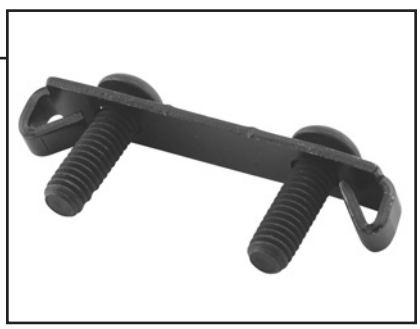
- **Provides a clean, hidden method of connecting closed-sided and quarter round profiles at 90º without the use of joining plates**
- **Winged tab of clip prevents mating profile from rotating**
- **The mounting profile requires an end tap; mating profile requires an access hole to reach the screw head**
- **See page 564 for tapping services**
- **See page 565 for access hole services**

Part No.	Finish	Screw Included	Thread	Lbs.
3383 ⊠	Black Zinc	Yes	1/4-20	.016
3183 ⊠	Black Zinc	No	N/A	.005
3389	Black Zinc	Yes	5/16-18	.037
3189	Black Zinc	No	N/A	.014

⊠ = 10 Series Compatible Part

3

Double End Fasteners



- **Provides a clean, hidden method of connecting profiles at 90º without the use of joining plates**
- **Winged tabs of clip prevent mating profile from rotating**
- **Mounting profile requires an end tap; mating profile requires an access hole to reach the screw head**
- **See page 564 for tapping services**
- **See page 565 for access hole services**

Part No.	Finish	Screw Included	Thread	Lbs.
3343 ⊠	Black Zinc	Yes	1/4-20	.020
3792 ⊠	Bright Zinc (clip)	Yes (Stainless Steel)	1/4-20	.020
3901 ⊠	Bright Zinc	Yes	M6 x 1.00	.020
3351 ⊠	Black Zinc	No	N/A	.010
3794 ⊠	Bright Zinc	No	N/A	.010
3344	Black Zinc	Yes	5/16-18	.048
3793	Bright Zinc (clip)	Yes (Stainless Steel)	5/16-18	.048
3902	Bright Zinc	Yes	M8 x 1.25	.048
3352	Black Zinc	No	N/A	.025
3795	Bright Zinc	No	N/A	.025

⊠ = 10 Series Compatible Part

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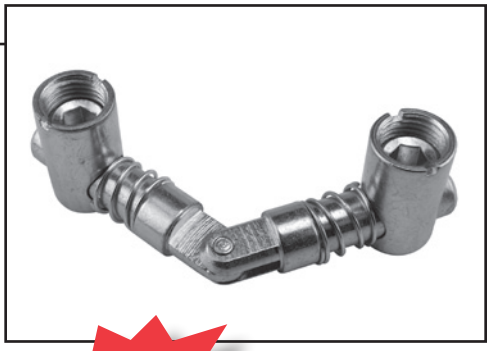
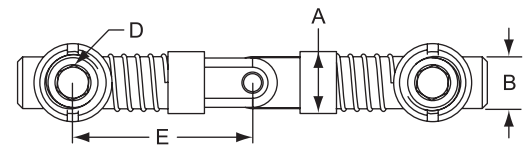
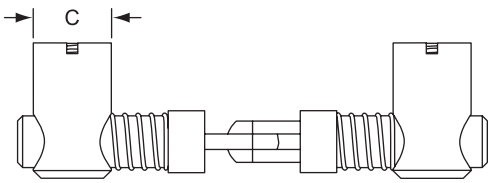
Miter Connector

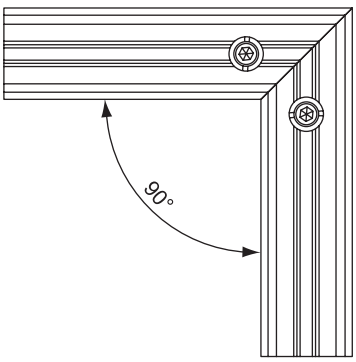
- **Strong, internal connector**
- **For use on square 15, 40 and 45 Series profiles**
- **Can be used in connection angles of 90° - 180°**
- **See page 579 for machining details**

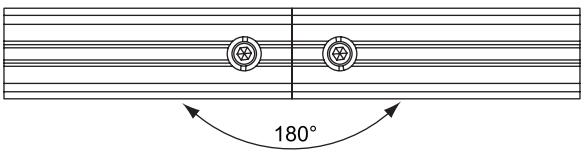


NEW!

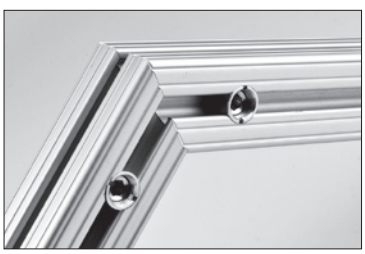






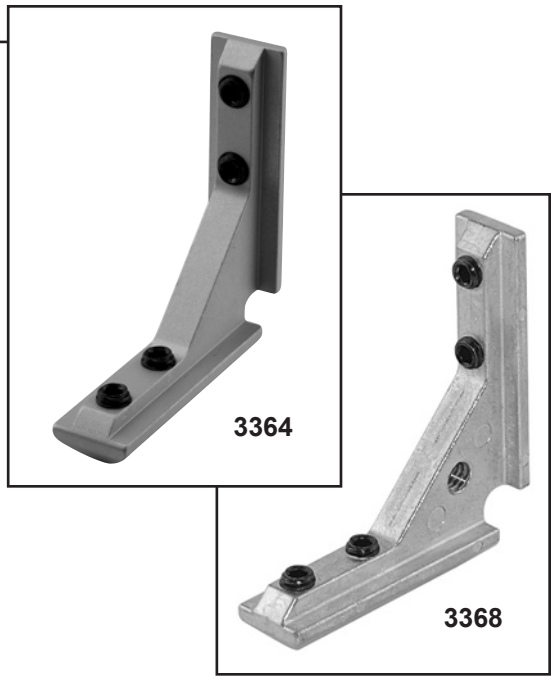


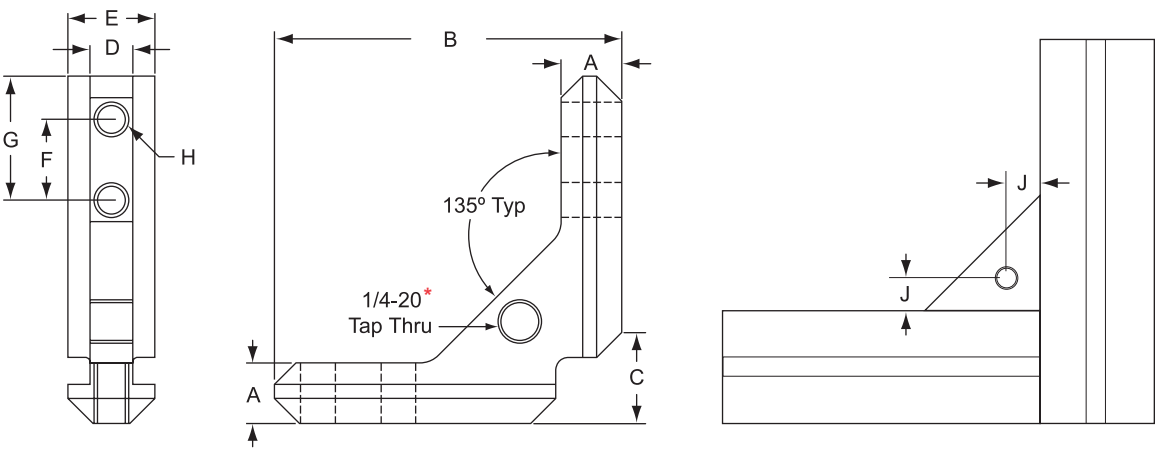
Part No.	A	B	C	D	E	Lbs.	Compatibile Profiles
13193	.469	.394	.590	6mm Hex	1.307	.193	1515-UL, 1515-Lite, 1515, 1517, 1547, 1501, 1502, 1503, 1504, 1515-ULS, 1515-LS, 1515-S, 1517-LS, 1501-LS, 1502-LS, 1503-LS, 1504-LS, 40-4040-UL, 40-4040-Lite, 40-4040, 40-4001, 40-4002, 40-4003,40-4004, 40-4030-Lite, 40-4045-Lite, 45-4545, 45-4545-Lite



90º Inside Corner Connectors

- 15 and 40 Series compatible
- Provides a strong internal 90º corner connection
- Four 1/4-20 x 1/2" set screws included for mounting to T-slotted profiles
- No machining required
- 3364 is made from 6105-T5 aluminum stock and has no panel mount hole
- 3368 is made from die-cast zinc and has a 1/4-20 panel mount hole





Part No.	Material	A	B	C	D	E	F	G	H	J	Lbs.
3364	Aluminum	.436	2.500	.475	.310	.625	.625	.962	1/4-20	N/A	.089
3368	Die-Cast Zinc	.436	2.500	.475	.310	.625	.625	.962	1/4-20	.294	.020

* Tap thru available only on 3368

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Fractional Screws, Washers, & Nuts (Black Zinc)

Button Head Socket Cap Screws

Thread	Length	Lbs.	Part No.
8-32	3/8"	.002	3005
	1/2"	.003	3024
	7/8"	.005	3032
10-32	3/8"	.004	3042
	1/2"	.005	3050
	5/8"	.005	3051
	3/4"	.006	3054
1/4-20	3/8"	.007	3059
	1/2"	.008	3061
	5/8"	.010	3063
	3/4"	.011	3065
5/16-18	1/2"	.015	3104
	5/8"	.017	3111
	3/4"	.019	3114
	7/8"	.021	3117
	1"	.023	3118

Socket Head Cap Screws

Thread	Length	Lbs.	Part No.
10-32	3/8"	.006	3044
	1/2"	.006	3048
	5/8"	.007	3052
	3/4"	.008	3056
	7/8"	.008	3057
1/4-20	3/8"	.010	3058
	1/2"	.011	3062
	5/8"	.012	3067
	3/4"	.014	3064
	7/8"	.014	3068
	1"	.016	3071
	1 1/4"	.019	3072
	1 1/2"	.022	3080
	2 1/8"	.029	3081
	2 1/2"	.033	3082
5/16-18	1/2"	.019	3106
	5/8"	.022	3110
	3/4"	.024	3112
	7/8"	.026	3119
	1"	.028	3122
	1 1/4"	.032	3123
	1 1/2"	.036	3127
	1 3/4"	.040	3129
	2"	.044	3130
	2 1/4"	.048	3131
	2 1/2"	.052	3132
	3"	.060	3133
3/8-16	3/4"	.037	3125
	1"	.043	3124

Drop-In T-Slot Studs

Thread	Length	Lbs.	Part No.
5/16-18	3/4"	.023	3293
	1"	.027	3295
	1 1/4"	.032	3297
	1 1/2"	.036	3299

Flanged Button Head Socket Cap Screws

Thread	Length	Lbs.	Part No.
1/4-20	3/8"	.008	3390 ⊠
	1/2"	.009	3342 ⊠
	3/4"	.012	3066 ⊠
5/16-18	1/2"	.016	3340
	11/16"	.019	3330

Slide-In Economy T-Slot Studs

Thread	Length	Lbs.	Part No.
5/16-18	3/4"	.026	3116
	1"	.031	3120
	1 1/4"	.035	3126
	1 1/2"	.039	3134
	1 3/4"	.045	3288
	2"	.050	3290

Flat Head Socket Cap Screws

Thread	Length	Lbs.	Part No.
10-32	1/2"	.006	3022
1/4-20	3/8"	.018	3012
	1/2"	.008	3400
	5/8"	.009	3405
	3/4"	.010	3406
5/16-18	1/2"	.018	3011
	5/8"	.016	3410
	3/4"	.018	3411
3/8-16	3/4"	.027	3420

Double Slide-In T-Nuts

Series-Length	Thread	Lbs.	Part No.
10 Series - 1.0"	10-32	.015	3085 ⊠
10 Series - 2.0"	10-32	.034	3086 ⊠
15 Series - 1.5"	5/16-18	.046	3087
15 Series - 3.0"	5/16-18	.105	3088

Slide-In Economy T-Nuts

Type	Thread	Lbs.	Part No.
Single	8-32	.008	3275 ⊠
	10-32	.008	3276 ⊠
	1/4-20	.012	3286
	1/4-20	.009	3382 ⊠
	5/16-18	.021	3278
Double	5/16-18	.073	3279
	1/4-20	.023	3280 ⊠
	8-32	.019	3281 ⊠
Triple	5/16-18	.096	3285
	1/4-20	.030	3287 ⊠

Low Head Socket Cap Screws

Thread	Length	Lbs.	Part No.
1/4-20	1"	.016	3017 ⊠
5/16-18	1 1/4"	.035	3018

⊠ = 10 Series Compatible Part

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Fractional Screws, Washers, & Nuts (Black Zinc) continued

Roll-In T-Nuts with Flex Handle

Thread	Lbs.	Part No.
5/16-18	.023	3282
1/4-20	.024	3283
10-32	.026	3284
10-32	.009	3375 ⊠
1/4-20	.008	3376 ⊠

Roll-In T-Nuts with Set Screw

Thread	Lbs.	Part No.
10-32	.029	3309
1/4-20	.027	3310
5/16-18	.026	3311
10-32	.008	3312 ⊠
1/4-20	.008	3313 ⊠

Washers

Hole Size	Lbs.	Part No.
10-32	.005	3055
1/4	.004	3258
5/16	.005	3260
3/8	.006	3261

Hex Nuts

Thread	Lbs.	Part No.
10-32	.007	3053
1/4-20	.007	3208
5/16-18	.010	3214

Fractional Screws, Washers, & Nuts (Bright Zinc)

Slide-In Economy T-Slot Stud

Thread	Length	Lbs.	Part No.
5/16-18	3/4"	.026	3716
	1"	.030	3720

Washers

Hole Size	Lbs.	Part No.
5/16	.005	3760
3/8	.018	3762
1/2	.036	3764

Hex Nuts

Thread	Lbs.	Part No.
5/16-18	.010	3714
3/8-24	.014	3707
1/2-13	.036	3709

Slide-In Economy T-Nuts

Thread	Lbs.	Part No.
1/4-20	.012	3786
5/16-18	.021	3778
1/4-20	.010	3785 ⊠

Double Slide-In T-Nuts

Series-Length	Thread	Lbs.	Part No.
10 Series - 1.0"	M5	.015	3903 ⊠
10 Series - 2.0"	M5	.034	3906 ⊠
15 Series - 1.5"	M8	.046	3908
15 Series - 3.0"	M8	.105	3910

Roll-In T-Nuts with Flex Handle

Thread	Lbs.	Part No.
10-32	.026	3784
1/4-20	.025	3783
5/16-18	.023	3782
10-32	.009	3790 ⊠
1/4-20	.009	3791 ⊠

Roll-In T-Nuts with Set Screw

Thread	Lbs.	Part No.
10-32	.029	3781
1/4-20	.028	3787
5/16-18	.026	3788
M5 x 0.8	.029	3892
M6 x 1.0	.026	3898
M8 x 1.25	.025	3894

Roll-In T-Nuts with Ball Spring

Thread	Lbs.	Part No.
1/4-20	.028	3916
5/16-18	.026	3917
M5	.028	3913
M6	.026	3914
M8	.026	3915

⊠ = 10 Series Compatible Part

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Fractional Screws, Washers, & Nuts (Bright Zinc) continued

5-16-18 Flanged Hex Head Threaded Bolts

Part No.	Length	Lbs.
3747	.50	.020
3748	.75	.024
3749	1.00	.028
3750	1.25	.032
3751	1.50	.036
3752	1.75	.039
3753	2.00	.041
3754	2.25	.043
3755	3.50	.050

5-16-18 BHSCS Threaded Bolts

Part No.	Length	Lbs.
3940	.50	.015
3941	.75	.019
3942	1.00	.023
3943	1.25	.031
3944	1.50	.038
3945	1.75	.045
3946	2.00	.053
3947	2.25	.061
3948	3.50	.102

5-16-18 SHCS Threaded Bolts

Part No.	Length	Lbs.
3950	.50	.020
3951	.75	.024
3952	1.00	.028
3953	1.25	.032
3954	1.50	.036
3955	1.75	.039
3956	2.00	.041
3957	2.25	.043
3958	3.50	.074

Stainless Steel Screws, Washers, & Nuts

Socket Head Cap Screws

Thread	Length	Lbs.	Part No.
10-32	3/8”	.005	3693
	1/2”	.006	3695
	5/8”	.007	3697
	3/4”	.008	3685
1/4-20	3/8”	.010	3687
	1/2”	.011	3689
	3/4”	.014	3691
5/16-18	1/2”	.020	3610
	5/8”	.022	3612
	3/4”	.024	3615
	7/8”	.026	3619
	1”	.028	3622
	1 1/4”	.032	3627

Flat Head Socket Cap Screws

Thread	Length	Lbs.	Part No.
1/4-20	1/2”	.007	3645
1/4-20	5/8”	.009	3677

Roll-In T-Nuts with Flex Handle

Thread	Lbs.	Part No.
1/4-20	.008	3624 ⊠
1/4-20	.022	3602
5/16-18	.023	3600

Roll-In T-Nuts with Set Screw

Thread	Lbs.	Part No.
1/4-20	.027	3605
5/16-18	.026	3608

Button Head Socket Cap Screws

Thread	Length	Lbs.	Part No.
10-32	3/8”	.004	3694
	1/2”	.005	3696
	5/8”	.006	3698
1/4-20	3/8”	.007	3688
	1/2”	.008	3690
	5/8”	.010	3663
	3/4”	.011	3692
5/16-18	1/2”	.015	3609
	5/8”	.017	3611
	3/4”	.019	3614
	7/8”	.021	3617
	1”	.023	3621

Slide-In Economy T-Slot Studs

Thread	Length	Lbs.	Part No.
5/16-18	3/4”	.027	3616
	1”	.031	3623

Washers

Hole Size	Lbs.	Part No.
1/4	.003	3658
5/16	.005	3659

Hex Nuts

Thread	Lbs.	Part No.
1/4-20	.007	3656
5/16-18	.011	3657

Slide-In Economy T-Nuts

Thread	Lbs.	Part No.
10-32	.005	3676 ⊠
1/4-20	.012	3686
5/16-18	.024	3678

⊠ = 10 Series Compatible Part

Metric Screws, Washers, & Nuts (Bright Zinc)

Button Head Socket Cap Screws

Thread	Length	Lbs.	Part No.
M6	12mm	.007	3802
	16mm	.009	3804
	20mm	.011	3808
	25mm	.015	3809
M8	12mm	.015	3811
	16mm	.018	3813
	20mm	.020	3815
	25mm	.024	3819

Socket Head Cap Screws

Thread	Length	Lbs.	Part No.
M6	12mm	.011	3801
	16mm	.012	3803
	20mm	.013	3806
	25mm	.015	3807
M8	12mm	.023	3810
	16mm	.025	3812
	20mm	.027	3814
	25mm	.031	3818
	30mm	.035	3822

Slide-In Economy T-Nuts

Thread	Lbs.	Part No.
M6	.017	3836
M6	.010	3859 ⊠
M8	.021	3838

⊠ = 10 Series Compatible Part

Slide-In Economy T-Slot Studs

Thread	Length	Lbs.	Part No.
M8	20mm	.031	3851
	25mm	.034	3852
	30mm	.037	3853
	35mm	.043	3854
	45mm	.047	3857

Hex Nuts

Thread	Lbs.	Part No.
M6	.005	3820
M8	.011	3821

Washers

Hole Size	Lbs.	Part No.
M6	.002	3861
M8	.004	3860

Roll-In T-Nuts with Flex Handle

Thread	Lbs.	Part No.
M5	.010	3875 ⊠
M6	.008	3876 ⊠
M6	.023	3843
M8	.023	3842

Button Head Socket Cap Screw (BHSCS)

Socket Head Cap Screw (SHCS)

Flat Head Socket Cap Screw (FHSCS)

Flanged Button Head Socket Cap Screw (FBHSCS)

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Bolt Assemblies

Fractional (Black Zinc)

Thread	Screw Type	Length	Slide-In Econ T-Nut	Lbs.	Roll-In T-Nut	Lbs.	Hex Nut	Washer
8-32	BHSCS	3/8"	**3483**	.010	–	–	–	–
	BHSCS	1/2"	–	.016	–	–	**3489**	–
10-32	SHCS	3/8"	**3457**	.013	–	–	–	–
	SHCS, Washer	5/8"	–	.019	–	–	**3459**	–
	BHSCS	1/2"	**3487**	.013	–	–	–	–
1/4-20	FBHSCS	3/8"	**3386**	.017	**3480**	.016	–	–
	FBHSCS	1/2"	**3321**	.018	**3481**	.017	–	–
	FBHSCS	3/4"	**3384**	.020	**3485**	.040	–	–
	FBHSCS, Washer	3/4"	–	.023	–	–	**3004**	–
	BHSCS, Washer	1/2"	**3398**	.021	**3399**	.020	–	–
	BHSCS, Washer	5/8"	**3482**	.022	**3484**	.021	–	–
	BHSCS	5/8"	–	.013	–	–	–	**3367**
	BHSCS, Washer	3/4"	–	.022	–	–	**3469**	–
	SHCS	3/8"	**3486**	.019	**3490**	.018	–	–
	SHCS	1/2"	**3491**	.020	**3492**	.019	–	–
	SHCS	5/8"	**3493**	.021	**3494**	.020	–	–
	SHCS	3/4"	**3304**	.0 22	**3397**	.022	–	–
	SHCS	7/8"	**3305**	.024	–	–	–	–
	SHCS	1"	**3306**	.025	–	–	–	–
	SHCS	1 1/4"	**3307**	.028	–	–	–	–
	SHCS	1 1/2"	**3308**	.032	–	–	–	–
	SHCS, Washer	1/2"	**3495**	.024	**3496**	.023	–	–
	SHCS, Washer	5/8"	**3497**	.025	**3498**	.024	–	–
	BHSCS	1/2"	**3393**	.017	**3394**	.020	–	–
5/16-18	FBHSCS	1/2"	**3319**	.036	**3318**	.038	–	–
	FBHSCS	11/16"	**3320**	.039	**3323**	.041	–	–
	FBHSCS, Washer	5/8"	–	.045	–	–	**3463**	–
	BHSCS, Washer	5/8"	**3435**	.040	**3437**	.043	–	–
	BHSCS	5/8"	**3365**	.038	–	–	–	–
	BHSCS, Washer	3/4"	**3439**	.044	**3441**	.046	**3442**	–
	BHSCS	3/4"	–	.024	–	–	–	**3366**
	BHSCS, Washer	1"	**3443**	.041	**3445**	.043	–	–
	SHCS	1/2"	**3450**	.034	**3452**	.042	–	–
	SHCS	5/8"	**3454**	.042	**3456**	.044	–	–
	SHCS	3/4"	**3455**	.045	–	–	–	–
	SHCS	7/8"	**3458**	.046	**3460**	.049	–	–
	SHCS, Washer	5/8"	**3462**	.047	**3464**	.048	–	–
	SHCS, Washer	3/4"	**3466**	.049	**3468**	.051	–	–
	SHCS, Washer	7/8"	–	.036	–	–	**3446**	–
	SHCS, Washer	1"	**3470**	.053	**3472**	.054	–	–

Bolt Assemblies continued

Fractional Slide-In Economy T-Slot Stud Assemblies (Black Zinc)

Thread	Screw Type	Length	Hex Nut	Lbs.
5/16-18	T-Slot Stud, Washer	3/4"	3325	.041
		1"	3150	.045
		1 1/4"	3151	.050
		1 1/2"	3152	.054
		1 3/4"	3153	.059
		2"	3154	.065

Fractional Slide-In Economy T-Slot Stud Assemblies (Bright Zinc)

Thread	Screw Type	Length	Hex Nut	Lbs.
5/16-18	T-Slot Stud, Washer	3/4"	3745	.040
		1"	3737	.045

Fractional Slide-In Economy T-Slot Stud Assemblies (Stainless Steel)

Thread	Screw Type	Length	Hex Nut	Lbs.
5/16-18	T-Slot Stud, Washer	3/4"	3644	.038
		1"	3646	.042

Metric Cap Screw Assemblies (Bright Zinc)

Thread	Screw Type	Length	Slide-In Econ T-Nut	Lbs.	Roll-In T-Nut	Lbs.
M6	BHSCS, Washer	12mm	–	–	3824	.034
	BHSCS, Washer	16mm	–	–	3827	.034
	BHSCS, Washer	20mm	–	–	3850	.046
	BHSCS, Washer	25mm	–	–	3829	.048
	SHCS	12mm	–	–	3833	.036
	SHCS	20mm	–	–	3847	.037
	SHCS	25mm	–	–	3845	.039
	SHCS, Washer	12mm	–	–	3849	.037
	SHCS, Washer	16mm	–	–	3856	.038
	BHSCS	12mm	–	–	3867	.048
M8	BHSCS, Washer	16mm	3830	.040	3832	.042
	BHSCS, Washer	20mm	3870	.048	3872	.049
	BHSCS, Washer	25mm	3877	.050	3886	.051
	SHCS	12mm	3834	.043	3840	.045
	SHCS	16mm	3864	.045	3865	.048
	SHCS	20mm	–	–	3869	.050
	SHCS, Washer	16mm	3874	.050	3878	.051
	SHCS, Washer	20mm	3816	.052	3817	.054
	SHCS, Washer	25mm	3887	.056	3888	.058

Fractional Slide-In Economy T-Nut Assemblies (Black Zinc)

Thread	Screw Type	Length	Lbs.	Part No.
1/4-20	FHSCS	1/2"	.015	3414
5/16-18	FHSCS	5/8"	.035	3412

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Bolt Assemblies continued

Fractional Cap Screw Assemblies (Stainless Steel)

Thread	Screw Type	Length	Lbs.	Econ T-Nut
1/4-20	BHSCS, Washer	5/8"	.024	3647
5/16-18	BHSCS, Washer	5/8"	.026	3620
	BHSCS, Washer	3/4"	.044	3630
	BHSCS, Washer	1"	.052	3632
	SHCS	1/2"	.044	3634
	SHCS	5/8"	.047	3636
	SHCS	7/8"	.050	3638
	SHCS, Washer	5/8"	.052	3699
	SHCS, Washer	3/4"	.053	3640
	SHCS, Washer	1"	.057	3642

Fractional Drop-In T-Slot Stud Assemblies (Black Zinc)

Thread	Screw Type	Length	Lbs.	Hex Nut
5/16-18	Drop-In Stud, Washer	3/4"	.023	3476
		1"	.027	3478
		1 1/4"	.032	3302
		1 1/2"	.036	3303

Metric Slide-In Economy T-Slot Stud Assemblies (Bright Zinc)

Thread	Screw Type	Length	Lbs.	Hex Nut
M8	T-Slot Stud, Washer	20mm	.046	3880
		25mm	.049	3881
		30mm	.052	3882
		35mm	.058	3883
		45mm	.062	3884

Double Slide-In T-Nut Assemblies (Black Zinc)

Thread	Screw Type	Length	Lbs.	Part No.
M8	BHSCS, Washers (2)	20mm	.092	3863
1/4-20	FBHSCS(2)	3/8"	.036	3002
1/4-20	FBHSCS(2)	1/2"	.038	3356
5/16-18	FBHSCS(2)	1/2"	.099	3000
5/16-18	FBHSCS(2)	11/16"	.100	3355

Roll-In T-Nut Assemblies (Black Zinc)

Thread	Screw Type	Length	Lbs.	Part No.
1/4-20	FHSCS	1/2"	.030	3415
5/16-18	FHSCS	5/8"	.040	3413

Triple Slide-In T-Nut Assemblies (Black Zinc)

Thread	Screw Type	Length	Lbs.	Part No.
1/4-20	FBHSCS(3)	1/2"	.062	3358
5/16-18	FBHSCS(3)	11/16"	.135	3357

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Bolt Assemblies continued

Numerical Listing

Part No.	Series	Thread	Screw Type	Length	Nut Type	Washer	Finish
3000	15	5/16-18	FBHSCS (2)	1/2"	Double Slide-In Economy T-Nut	No	Black Zinc
3002	10	1/4-20	FBHSCS (2)	3/8"	Double Slide-In Economy T-Nut	No	Black Zinc
3004		1/4-20	FBHSCS	3/4"	Hex Nut	Yes	Black Zinc
3035	10	M6	SHCS	20mm	Slide-In Economy T-Nut	No	Blue
3150	15	5/16-18	Slide-In Econ T-Slot Stud	1"	Hex Nut	Yes	Black Zinc
3151	15	5/16-18	Slide-In Econ T-Slot Stud	1 1/4"	Hex Nut	Yes	Black Zinc
3152	15	5/16-18	Slide-In Econ T-Slot Stud	1 1/2"	Hex Nut	Yes	Black Zinc
3153	15	5/16-18	Slide-In Econ T-Slot Stud	1 3/4"	Hex Nut	Yes	Black Zinc
3154	15	5/16-18	Slide-In Econ T-Slot Stud	2"	Hex Nut	Yes	Black Zinc
3289		3/8-16	SHCS	1”	N/A	Yes	Black Zinc
3291		1/2-13	SHCS	1”	N/A	Yes	Black Zinc
3300	15	5/16-18	Roll-In T-Slot Stud	3/4"	Hex Nut	Yes	Black Zinc
3301	15	5/16-18	Roll-In T-Slot Stud	1”	Hex Nut	Yes	Black Zinc
3302	15	5/16-18	Roll-In T-Slot Stud	1 1/4"	Hex Nut	Yes	Black Zinc
3303	15	5/16-18	Roll-In T-Slot Stud	1 1/2"	Hex Nut	Yes	Black Zinc
3304	10	1/4-20	SHCS	3/4"	Slide-In Economy T-Nut	No	Black Zinc
3305	10	1/4-20	SHCS	7/8"	Slide-In Economy T-Nut	No	Black Zinc
3306	10	1/4-20	SHCS	1"	Slide-In Economy T-Nut	No	Black Zinc
3307	10	1/4-20	SHCS	1 1/4"	Slide-In Economy T-Nut	No	Black Zinc
3308	10	1/4-20	SHCS	1 1/2"	Slide-In Economy T-Nut	No	Black Zinc
3315		1/4-20	SHCS	7/8”	Hex Nut	Yes	Black Zinc
3318	15	5/16-18	FBHSCS	1/2"	Roll-In T-Nut	No	Black Zinc
3319	15	5/16-18	FBHSCS	1/2"	Slide-In Economy T-Nut	No	Black Zinc
3320	15	5/16-18	FBHSCS	11/16"	Slide-In Economy T-Nut	No	Black Zinc
3321	10	1/4-20	FBHSCS	1/2"	Slide-In Economy T-Nut	No	Black Zinc
3322	15	1/4-20	FBHSCS	1/2”	Roll-In T-Nut	No	Black Zinc
3323	15	5/16-18	FBHSCS	11/16"	Roll-In T-Nut	No	Black Zinc
3325	15	5/16-18	T-Slot Stud	3/4"	Hex Nut	Yes	Black Zinc
3355	15	5/16-18	FBHSCS (2)	11/16"	Double Slide-In Economy T-Nut	No	Black Zinc
3356	10	1/4-20	FBHSCS (2)	1/2"	Double Slide-In Economy T-Nut	No	Black Zinc
3357	15	5/16-18	FBHSCS (3)	11/16"	Triple Slide-In Economy T-Nut	No	Black Zinc
3358	10	1/4-20	FBHSCS (3)	1/2"	Triple Slide-In Economy T-Nut	No	Black Zinc
3365	15	5/16-18	BHSCS	5/8"	Slide-In Economy T-Nut	No	Black Zinc
3366		5/16-18	BHSCS	3/4"	N/A	Yes	Black Zinc
3367		1/4-20	BHSCS	5/8"	N/A	Yes	Black Zinc
3371	10	1/4-20	BHSCS	3/4"	Slide-In Econ. T-Nut	Yes	Black Zinc
3372	10	1/4-20	BHSCS	3/4"	Roll-In T-Nut	Yes	Black Zinc
3384	10	1/4-20	FBHSCS	3/4"	Slide-In Economy T-Nut	No	Black Zinc
3385	10	1/4-20	FBHSCS	3/4"	Roll-In T-Nut	No	Black Zinc
3386	10	1/4-20	FBHSCS	3/8"	Slide-In Economy T-Nut	No	Black Zinc
3387	10	1/4-20	FBHSCS	3/8”	Roll-In T-Nut	No	Black Zinc
3388		1/4-20	BHSCS	3/4"	none	Yes	Black Zinc
3393	10	1/4-20	BHSCS	1/2"	Slide-In Economy T-Nut	No	Black Zinc
3394	10	1/4-20	BHSCS	1/2"	Roll-In T-Nut	No	Black Zinc
3397	10	1/4-20	SHCS	3/4"	Roll-In T-Nut	No	Black Zinc
3398	10	1/4-20	BHSCS	1/2"	Slide-In Economy T-Nut	Yes	Black Zinc

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Bolt Assemblies continued

Numerical Listing Continued

Part No.	Series	Thread	Screw Type	Length	Nut Type	Washer	Finish
3399	10	1/4-20	BHSCS	1/2"	Roll-In T-Nut	Yes	Black Zinc
3407	15	1/4-20	FHSCS	3/4"	Drop-In T-Nut	No	Zinc-Plated Steel
3408	15	1/4-20	BHSCS	1/2"	Drop-In T-Nut	No	Zinc-Plated Steel
3409	15	1/4-20	FHSCS	5/8"	Drop-In T-Nut	No	Zinc-Plated Steel
3412	15	5/16-18	FHSCS	5/8"	Slide-In Economy T-Nut	No	Black Zinc
3413	15	5/16-18	FHSCS	5/8"	Roll-In T-Nut	No	Black Zinc
3414	10	1/4-20	FHSCS	1/2"	Slide-In Economy T-Nut	No	Black Zinc
3415	10	1/4-20	FHSCS	1/2"	Roll-In T-Nut	No	Black Zinc
3416	10	1/4-20	BHSCS	3/8"	Slide-In Economy T-Nut	No	Black Zinc
3417		1/4-20	FHSCS	3/4"	Hex Nut	Yes	Black Zinc
3418	15	1/4-20	BHSCS	5/8"	Slide-In Economy T-Nut	No	Black Zinc
3419	10	1/4-20	SHCS	1/2"	Roll-In T-Nut	No	Black Zinc
3421	15	5/16-18	SHCS	1 1/4"	Slide-In Economy T-Nut	Yes	Black Zinc
3422	15	5/16-18	SHCS	1 1/2"	Slide-In Economy T-Nut	Yes	Black Zinc
3423	15	5-16-18	SHCS	1 3/4"	Slide-In Economy T-Nut	Yes	Black Zinc
3424	15	5/16-18	SHCS	2"	Slide-In Economy T-Nut	Yes	Black Zinc
3426	10	10-32	BHSCS	3/8"	Slide-In T-Nut	No	Black Zinc
3427	15	5/16-18	SHCS	2 1/4"	Slide-In Economy T-Nut	No	Black Zinc
3428	15	5/16-18	SHCS	2 1/2"	Slide-In Economy T-Nut	Yes	Black Zinc
3429	15	5/16-18	SHCS	2 1/2"	Slide-In Economy T-Nut	No	Black Zinc
3430	15	5/16-18	SHCS	3"	Slide-In Economy T-Nut	No	Black Zinc
3431	15	5/16-18	SHCS	3 1/4"	Slide-In Economy T-Nut	No	Black Zinc
3432	10	1/4-20	SHCS	1 1/2"	Slide-In Economy T-Nut	Yes	Black Zinc
3433	10	1/4-20	SHCS	2 1/8"	Slide-In Economy T-Nut	Yes	Black Zinc
3434	10	1/4-20	SHCS	2 1/2"	Slide-In Economy T-Nut	No	Black Zinc
3435	15	5/16-18	BHSCS	5/8"	Slide-In Economy T-Nut	Yes	Black Zinc
3436	15	5/16-18	BHSCS	1/2"	Slide-In Economy T-Nut	No	Black Zinc
3437	15	5/16-18	BHSCS	5/8"	Roll-In T-Nut	Yes	Black Zinc
3439	15	5/16-18	BHSCS	3/4"	Slide-In Economy T-Nut	Yes	Black Zinc
3441	15	5/16-18	BHSCS	3/4"	Roll-In T-Nut	Yes	Black Zinc
3442		5/16-18	BHSCS	3/4"	Hex Nut	Yes	Black Zinc
3443	15	5/16-18	BHSCS	1"	Slide-In Economy T-Nut	Yes	Black Zinc
3445	15	5/16-18	BHSCS	1"	Roll-In T-Nut	Yes	Black Zinc
3446		5/16-18	SHCS	7/8"	Hex Nut	Yes	Black Zinc
3450	15	5/16-18	SHCS	1/2"	Slide-In Economy T-Nut	No	Black Zinc
3452	15	5/16-18	SHCS	1/2"	Roll-In T-Nut	No	Black Zinc
3454	15	5/16-18	SHCS	5/8"	Slide-In Economy T-Nut	No	Black Zinc
3455	15	5/16-18	SHCS	3/4"	Slide-In Economy T-Nut	No	Black Zinc
3456	15	5/16-18	SHCS	5/8"	Roll-In T-Nut	No	Black Zinc
3457	10	10-32	SHCS	3/8"	Slide-In Economy T-Nut	No	Black Zinc
3458	15	5/16-18	SHCS	7/8"	Slide-In Economy T-Nut	No	Black Zinc
3459		10-32	SHCS	5/8"	Hex Nut	Yes	Black Zinc
3460	15	5/16-18	SHCS	7/8"	Roll-In T-Nut	No	Black Zinc
3461	15	5/16-18	BHSCS	5/8"	Slide-In Economy T-Nut	No	Black Zinc
3462	15	5/16-18	SHCS	5/8"	Slide-In Economy T-Nut	Yes	Black Zinc
3463		5/16-18	FBHSCS	11/16"	Hex Nut	Yes	Black Zinc

Bolt Assemblies continued

Numerical Listing Continued

Part No.	Series	Thread	Screw Type	Length	Nut Type	Washer	Finish
3464	15	5/16-18	SHCS	5/8"	Roll-In T-Nut	Yes	Black Zinc
3465		1/4-20	FBHSCS	1/2"	Hex Nut	No	Black Zinc
3466	15	5/16-18	SHCS	3/4"	Slide-In Economy T-Nut	Yes	Black Zinc
3467		5/16-18	BHSCS	3/4"	Hex Nut	Yes	Black Zinc
3468	15	5/16-18	SHCS	3/4"	Roll-In T-Nut	Yes	Black Zinc
3469		1/4-20	BHSCS	3/4"	Hex Nut	Yes	Black Zinc
3470	15	5/16-18	SHCS	1"	Slide-In Economy T-Nut	Yes	Black Zinc
3471	10	1/4-20	SHCS	7/8"	Slide-In Economy T-Nut	Yes	Black Zinc
3472	15	5/16-18	SHCS	1"	Roll-In T-Nut	Yes	Black Zinc
3473		5/16-18	SHCS	1"	Hex Nut	Yes	Black Zinc
3474		5/16-18	Slide-In Economy T-Slot Stud	1"	Hex Nut	Yes	Black Zinc
3475	15	5/16-18	SHCS	1 1/2"	Slide-In Economy T-Nut	No	Black Zinc
3476		5/16-18	Roll-In T Stud	3/4"	Hex Nut	Yes	Black Zinc
3478		5/16-18	Roll-In T Stud	1"	Hex Nut	Yes	Black Zinc
3479	10	1/4-20	BHSCS	3/4"	Slide-In T-Nut	No	Black Zinc
3480	10	1/4-20	FBHSCS	3/8"	Roll-In T-Nut	No	Black Zinc
3481	10	1/4-20	FBHSCS	1/2"	Roll-In T-Nut	No	Black Zinc
3482	10	1/4-20	BHSCS	5/8"	Slide-In Economy T-Nut	Yes	Black Zinc
3483	10	8-32	BHSCS	3/8"	Slide-In EconomyT-Nut	No	Black Zinc
3484	10	1/4-20	BHSCS	5/8"	Roll-In T-Nut	Yes	Black Zinc
3485	10	1/4-20	FBHSCS	3/4"	Roll-In T-Nut	No	Black Zinc
3486	10	1/4-20	SHCS	3/8"	Slide-In EconomyT-Nut	No	Black Zinc
3487	15	10-32	BHSCS	1/2"	Slide-In T-Nut	No	Black Zinc
3488		10-32	BHSCS	5/8"	Hex Nut	Yes	Black Zinc
3489		8-32	BHSCS	1/2"	Hex Nut	Yes	Black Zinc
3490	10	1/4-20	SHCS	3/8"	Roll-In T-Nut	No	Black Zinc
3491	10	1/4-20	SHCS	1/2"	Slide-In Economy T-Nut	No	Black Zinc
3492	10	1/4-20	SHCS	1/2"	Roll-In T-Nut	No	Black Zinc
3493	10	1/4-20	SHCS	5/8"	Slide-In Economy T-Nut	No	Black Zinc
3494	10	1/4-20	SHCS	5/8"	Roll-In T-Nut	No	Black Zinc
3495	10	1/4-20	SHCS	1/2"	Slide-In Economy T-Nut	Yes	Black Zinc
3496	10	1/4-20	SHCS	1/2"	Roll-In T-Nut	Yes	Black Zinc
3497	10	1/4-20	SHCS	5/8"	Slide-In Economy T-Nut	Yes	Black Zinc
3498	10	1/4-20	SHCS	5/8"	Roll-In T-Nut	Yes	Black Zinc
3499		5/16-18	BHSCS	7/8"	none	Yes	Black Zinc
3618	15	5/16-18	BHSCS	5/8"	Roll-In T-Nut	Yes	Stainless Steel
3620	15	5/16-18	BHSCS	5/8"	Slide-In Economy T-Nut	Yes	Stainless Steel
3630	15	5/16-18	BHSCS	3/4"	Slide-In Economy T-Nut	Yes	Stainless Steel
3632	15	5/16-18	BHSCS	1"	Slide-In Economy T-Nut	Yes	Stainless Steel
3634	15	5/16-18	SHCS	1/2"	Slide-In Economy T-Nut	No	Stainless Steel
3636	15	5/16-18	SHCS	5/8"	Slide-In Economy T-Nut	No	Stainless Steel
3638	15	5/16-18	SHCS	7/8"	Slide-In Economy T-Nut	No	Stainless Steel
3639	10	1/4-20	FHSCS	1/2"	Roll-In T-Nut	No	Stainless Steel
3640	15	5/16-18	SHCS	3/4"	Slide-In Economy T-Nut	Yes	Stainless Steel
3642	15	5/16-18	SHCS	1"	Slide-In Economy T-Nut	Yes	Stainless Steel
3644		5/16-18	Slide-In Economy T-Slot Stud	3/4"	Hex Nut	Yes	Stainless Steel
3646		5/16-18	Slide-In Economy T-Slot Stud	1"	Hex Nut	Yes	Stainless Steel
3647	15	1/4-20	BHSCS	5/8"	Slide-In Economy T-Nut	Yes	Stainless Steel

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Bolt Assemblies continued

Numerical Listing Continued

Part No.	Series	Thread	Screw Type	Length	Nut Type	Washer	Finish
3648	10	1/4-20	FHSCS	5/8"	Roll-In T-Nut	No	Stainless Steel
3699	15	5/16-18	SHCS	5/8"	Slide-In Economy T-Nut	Yes	Stainless Steel
3737		5/16-18	Slide-In Economy T-Slot Stud	1"	Hex Nut	Yes	Black Zinc
3745		5/16-18	Slide-In Economy T-Slot Stud	3/4"	Hex Nut	Yes	Black Zinc
3816	15	M8	SHCS	20mm	Slide-In Economy T-Nut	Yes	Bright Zinc
3817	15	M8	SHCS	20mm	Roll-In T-Nut	Yes	Bright Zinc
3824	10	M6	BHSCS	12mm	Roll-In T-Nut	Yes	Bright Zinc
3825		M8	Slide-In Economy T-Slot Stud	20mm	Hex Nut	Yes	Black Zinc
3826	15	M6	BHSCS	16mm	Slide-In Economy T-Nut	Yes	Black Zinc
3827	10	M6	BHSCS	16mm	Roll-In T-Nut	Yes	Bright Zinc
3829	10	M6	BHSCS	25mm	Roll-In T-Nut	Yes	Bright Zinc
3830	15	M8	BHSCS	16mm	Slide-In Economy T-Nut	Yes	Bright Zinc
3831	15	M6	SHCS	12mm	Slide-In Economy T-Nut	No	Black Zinc
3832	15	M8	BHSCS	16mm	Roll-In T-Nut	Yes	Bright Zinc
3833	10	M6	SHCS	12mm	Roll-In T-Nut	No	Bright Zinc
3834	15	M8	SHCS	12mm	Slide-In Economy T-Nut	No	Bright Zinc
3835	15	M6	SHCS	16mm	Roll-In T-Nut	No	Black Zinc
3840	15	M8	SHCS	12mm	Roll-In T-Nut	No	Bright Zinc
3841	15	M6	SHCS	25mm	Slide-In Economy T-Nut	No	Black Zinc
3845	10	M6	SHCS	25mm	Roll-In T-Nut	No	Bright Zinc
3847	10	M6	SHCS	20mm	Roll-In T-Nut	No	Bright Zinc
3849	10	M6	SHCS	12mm	Roll-In T-Nut	Yes	Bright Zinc
3850	10	M6	BHSCS	20mm	Roll-In T-Nut	Yes	Bright Zinc
3855	10	M6	SHCS	20mm	Roll-In T-Nut	Yes	Black Zinc
3856	10	M6	SHCS	16mm	Roll-In T-Nut	Yes	Bright Zinc
3862	10	M6	SHCS	25mm	Roll-In T-Nut	Yes	Black Zinc
3863	15	M8	BHSCS (2)	20mm	Double Slide-In Economy T-Nut	Yes (2)	Black Zinc
3864	15	M8	SHCS	16mm	Slide-In Economy T-Nut	No	Bright Zinc
3865	15	M8	SHCS	16mm	Roll-In T-Nut	No	Bright Zinc
3867	10	M6	BHSCS	12mm	Roll-In T-Nut	No	Bright Zinc
3869	15	M8	SHCS	20mm	Roll-In T-Nut	No	Bright Zinc
3870	15	M8	BHSCS	20mm	Slide-In Economy T-Nut	Yes	Bright Zinc
3872	15	M8	BHSCS	20mm	Roll-In T-Nut	Yes	Bright Zinc
3874	15	M8	SHCS	16mm	Slide-In Economy T-Nut	Yes	Bright Zinc
3877	15	M8	BHSCS	25mm	Slide-In Economy T-Nut	Yes	Bright Zinc
3878	15	M8	SHCS	16mm	Roll-In T-Nut	Yes	Bright Zinc
3880		M8	Slide-In Economy T-Slot Stud	20mm	Hex Nut	Yes	Bright Zinc
3881		M8	Slide-In Economy T-Slot Stud	25mm	Hex Nut	Yes	Bright Zinc
3882		M8	Slide-In Economy T-Slot Stud	30mm	Hex Nut	Yes	Bright Zinc
3883		M8	Slide-In Economy T-Slot Stud	35mm	Hex Nut	Yes	Bright Zinc
3884		M8	Slide-In Economy T-Slot Stud	45mm	Hex Nut	Yes	Bright Zinc
3885		M8	Slide-In Economy T-Slot Stud	50mm	Hex Nut	Yes	Bright Zinc
3886	15	M8	BHSCS	25mm	Roll-In T-Nut	Yes	Bright Zinc
3887	15	M8	SHCS	25mm	Slide-In Economy T-Nut	Yes	Bright Zinc
3888	15	M8	SHCS	25mm	Roll-In T-Nut	Yes	Bright Zinc
3889		M8	Slide-In Economy T-Slot Stud	20mm	Hex Nut	Yes	Bright Zinc
3890		M8	Slide-In Economy T-Slot Stud	30mm	Hex Nut	Yes	Bright Zinc
3899	15	M8	SHCS	20mm	Slide-In Economy T-Nut	No	Bright Zinc

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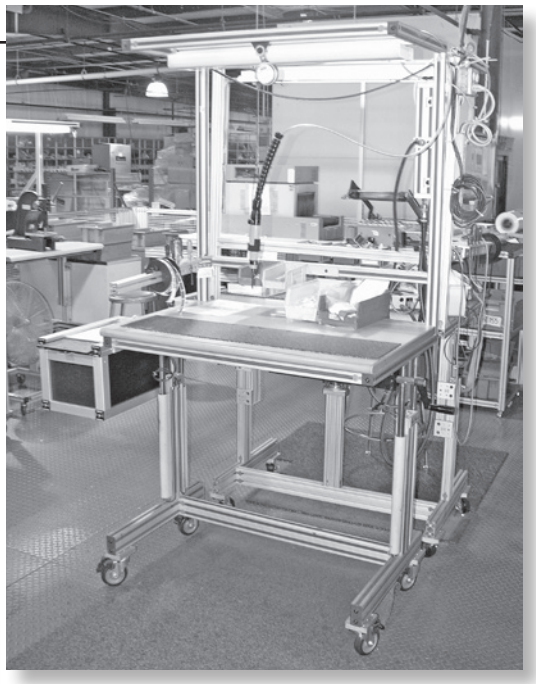
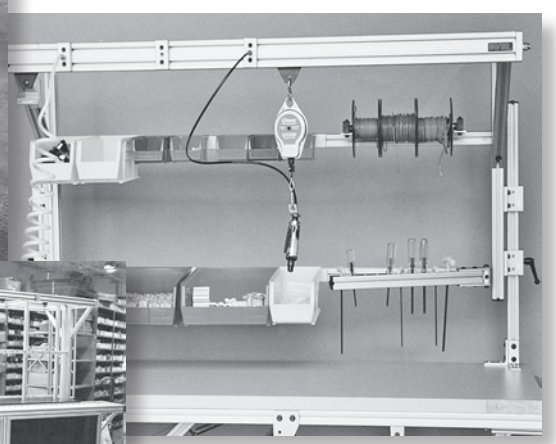
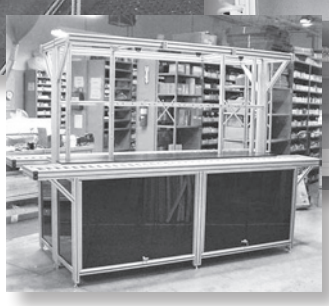
Ergonomic Workstations by 80/20®

- **Easily add ergonomic adjustability by incorporating 80/20®'s own Linear Bearings into your design.**
- **Mobile, adjustable and well-lit workstations that will fit almost any industrial need!**
- **Need hydraulic or pneumatic power? It's easy with 80/20® – using our profiles as an easy-to-attach manifold . . . even if it's an afterthought, it will appear to be part of your original design!**
- **Log on to www.8020.net and click Downloads & Links to get your FREE copy of AutoQuoterX™, 80/20®'s design software.**







Section #4 Pictorial Table Of Contents

Legend Of Icons

Page 262

How To Order

Page 263

Bolt Pattern Dimensions

Page 264

Bolt Kit Tables

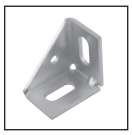
Pages 265-268

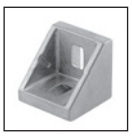
2 Hole Corner Brackets

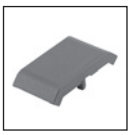
Page 269

2 Hole Slotted Corner Brackets

Page 270

2 Hole Inside Corner Bracket

Page 270

2 Hole Inside Corner Bracket

Page 271

Cover Caps for Inside Corner Bracket

Page 271

2-Hole Inside Corner Brackets

Page 272

Cover Cap for Inside Corner Brackets

Page 272

2 Hole Transition Brackets

Page 273

3 Hole Corner Brackets

Page 274

3 Hole Slotted Corner Brackets

Page 274

4 Hole Corner Brackets

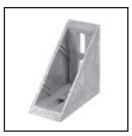
Pages 275-276

4 Hole Slotted Corner Brackets

Page 276

4 Hole Inside Corner Brackets

Page 277

4 Hole Inside Corner Brackets

Page 278

Cover Cap for Inside Corner Bracket

Page 278

4 Hole Transition Brackets

Pages 279-280

6 Hole Corner Brackets

Pages 281-283

6 Hole Slotted Corner Brackets

Page 282

8 Hole Transition Brackets

Page 284

8 Hole Corner Brackets

Page 285

9 Hole Slotted Corner Brackets

Page 285

10 Hole Corner Brackets

Page 286

12 Hole Corner Brackets

Pages 286-287

18 Hole Corner Brackets

Page 287

2, 4 & 8 Hole Corner Gussets

Pages 288-289

2 & 3 Hole Joining Strips

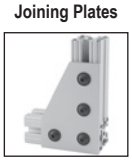
Page 290

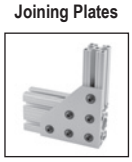
4 Hole Joining Strips & Plates

Page 291

6 & 8 Hole Joining Plates

Page 292

4 & 5 Hole 90° Joining Plates

Page 293

6 Hole 90° Joining Plates

Page 294

7 Hole 90° Joining Plates

Page 295

Table Of Contents Continued

80/20® Inc.
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Section #4 Pictorial Table Of Contents

9 Hole 90° Joining Plates

Page 296

10 Hole 90° Joining Plates

Page 296

12 Hole 90° Joining Plates

Page 297

Clamp Blocks

Page 297

Tee Joining Plates

Pages 298-301

Cross Joining Plates

Pages 302-303

15° Angle Joining Plates

Page 304

30° Angle Joining Plates

Page 305

45° Angle Joining Plates

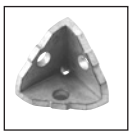
Page 306

60° Angle Joining Plates

Page 307

Tri-Corner Connectors

Page 308

3 Way Corner Bracket

Page 309

Cover Cap for 3 Way Corner Bracket

Page 309

5 Hole "L" & "T" Joining Plates

Page 310

90° Inside Corner Connectors

Page 311

2 Hole Transition Strips

Pages 312-313

3 Hole Transition Strips

Pages 313-314

4 Hole Transition Strips

Pages 314-316

4 Hole Transition Plates

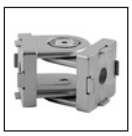
Page 315

6 Hole Transition Strips

Pages 316-317

8 Hole Transition Strips

Page 317

Pivot Joints

Page 318

3 Hole Pivot Plates

Pages 319-320

5 Hole Pivot Plates

Pages 320-321

Standard Pivot Nubs

Pages 321-322

Right Angle Pivot Nubs

Pages 323-324

Pivot Arms

Pages 324-325

Standard Pivot Assemblies

Pages 326-327

Right Angle Pivot Assemblies

Pages 328-329

45° Supports

Pages 330-331

Legend for Icons

This part is 10 Series compatible

This part can use double economy T-nuts
(see bolt kit table P on page 268)

This part can use triple economy T-nuts
(see bolt kit table Q on page 268)

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How to Order 80/20® Joining Plates

Ordering Joining Plates is a simple process; just list the part number, quantity, and a brief description of the plate (see order example below). Please note the recommended bolt assemblies called out for each plate. These assemblies are standard configurations of bolts and T-nuts to connect plates to profiles. If you choose to select your own bolt configurations, refer to pages 249-259 for bolt and T-nut options.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/ UOM	Ext. Price
1	1010	2	18.50"	7042 in A both ends	$.23	$8.51
	1515-Lite-145	5	145.00"	Full length profile	$65.25	$326.25
	3060	4	40.00"	7029 one end	$2.95	$472.00
	3030	4	36.00"	7050 style G in W, X both ends	$1.50	$216.00
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	2611	1	5.25 sf.	1/4" bronze polycarb 1 @ 18" x 40" w/ 7311 per drawing	$10.40	$54.60
4	7150	1		Cut plastic panels all sides < -48"	$10.50	$10.50
	7042	4		10 Series anchor fastener counterbore	$2.25	$9.00
	7005	2		Cut-to-length for 1010	$1.95	$3.90
	7023	4		Cut-to-length for 3060	$2.90	$11.60
	7030	4		Cut-to-length for 3030	$2.60	$10.40
	7050	64		15 Series drill access hole	$1.95	$124.80
	7029	4		5/16-18 tap service for 3060	$15.20	$60.80
	7311	2		Anchor fastener notch for 10 Series	$0.53	$1.06
5	3380	32		15 Series 5/16-18 black zinc end fastener w/ screw	$1.60	$51.20
	2114	16		Gray T-Slot covers for 10 Series	$3.45	$55.20
	2050	8		End caps for 3030	$1.85	$14.80
	3395	4		10 Series anchor fasteners	$2.90	$11.60
	3279	5		15 Series 5/16-18 black zinc double economy T-nut	$0.79	$3.95
	4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	3393	24		10 Series 1/4-20 BHSCS & economy T-nut	$0.40	$9.60
				TOTAL		$1549.17

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 147-202 • 2 - Custom Parts = Pages 203-220 • 3 - Panels = Pages 349-432
4 - Machining Services = Pages 559-608 • 5 - Accessories & Tools = Pages 433-456 & 549-558

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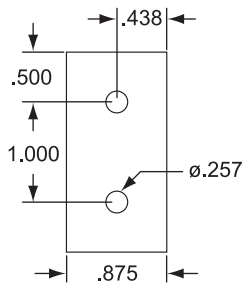
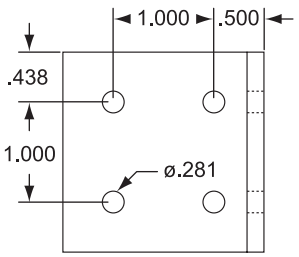
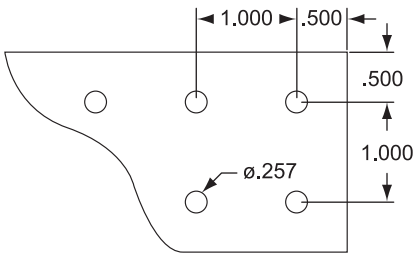
10 Series Bolt Pattern Dimensions

The following standards for hole sizes and centerlines apply to most 10 Series joining plates and inside corner brackets.



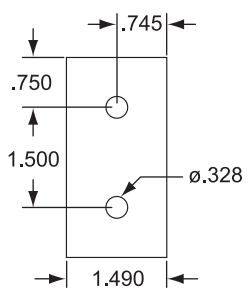


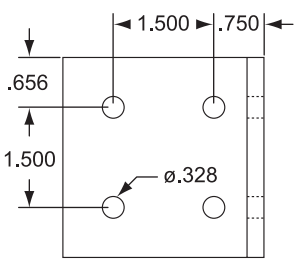


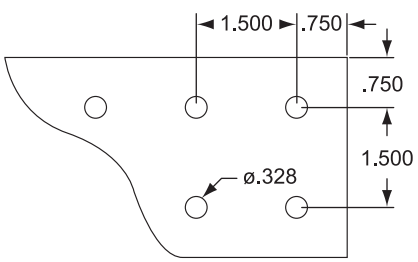
- **Most 10 Series flat joining plates and strips are made of .188" thick 6105-T5 clear anodized aluminum with .257" diameter holes on 1" centerlines except where noted.**
- **Most 10 Series inside corner brackets and gussets are made of .188" thick 6105-T5 clear anodized aluminum with .281" diameter holes on 1" centerlines except where noted.**

15 Series Bolt Pattern Dimensions

The following standards for hole sizes and centerlines apply to most 15 Series joining plates and inside corner brackets.







- **Most 15 Series flat joining plates, strips, inside corner brackets and gussets are made of .25" thick 6105-T5 clear anodized aluminum with .328" diameter holes on 1.50" centerlines except where noted.**

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Bolt Kit Table A - To Mount 1/8" Plates (15 Series)

Thread	Finish	Nut Type	FBHSCS	BHSCS, Washer	SHCS	SHCS, Washer	T-Stud, Washer	Drop-In T-Stud w/ Washer
–	–	–	1/2"	5/8"	1/2"	5/8"	3/4"	3/4"
5/16-18	Black Zinc	Economy	3319	3435	3450	3462	–	–
	Black Zinc	Drop-In	3318	3437	3452	3464	–	–
	Black Zinc	Hex	–	–	–	–	3325	3476
	Bright Zinc	Hex	–	–	–	–	3745	–
	Stainless Steel	Economy	–	3620	3634	3699	–	–
	Stainless Steel	Hex	–	–	–	–	3644	–
–	–	–	–	16mm	12mm	16mm	20mm	–
M8 x 1.25	Bright Zinc	Economy	–	3830	3834	3874	–	–
	Bright Zinc	Drop-In	–	3832	3840	3878	–	–
	Bright Zinc	Hex	–	–	–	–	3889	–

Bolt Kit Table B - To Mount 3/16" Plates (15 Series)

Thread	Finish	Nut Type	BHSCS, Washer	SHCS	SHCS, Washer	T-Stud, Washer	Drop-In T-Stud w/ Washer
–	–	–	5/8"	5/8"	5/8"	3/4"	3/4"
5/16-18	Black Zinc	Economy	3435	3454	3462	–	–
	Black Zinc	Drop-In	3437	3456	3464	–	–
	Black Zinc	Hex	–	–	–	3325	3476
	Bright Zinc	Hex	–	–	–	3745	–
	Stainless Steel	Economy	3620	3636	3699	–	–
	Stainless Steel	Hex	–	–	–	3644	–
–	–	–	16mm	16mm	16mm	20mm	–
M8 x 1.25	Bright Zinc	Economy	3830	3864	3874	–	–
	Bright Zinc	Drop-In	3832	3865	3878	–	–
	Bright Zinc	Hex	–	–	–	3889	–

Bolt Kit Table C - To Mount 1/4" Plates (15 Series)

Thread	Finish	Nut Type	FBHSCS	BHSCS, Washer	SHCS	SHCS, Washer	T-Stud, Washer	Drop-In T-Stud w/ Washer
–	–	–	11/16"	3/4"	5/8"	3/4"	3/4"	3/4"
5/16-18	Black Zinc	Economy	3320	3439	3454	3466	–	–
	Black Zinc	Drop-In	3323	3441	3456	3468	–	–
	Black Zinc	Hex	–	–	–	–	3325	3476
	Bright Zinc	Hex	–	–	–	–	3745	–
	Stainless Steel	Economy		3630	3636	3640	–	–
	Stainless Steel	Hex	–	–	–	–	3644	–
–	–	–	–	20mm	16mm	20mm	20mm	–
M8 x 1.25	Bright Zinc	Economy	–	3870	3864	3816	–	–
	Bright Zinc	Drop-In	–	3872	3865	3817	–	–
	Bright Zinc	Hex	–	–	–	–	3889	–

Bolt Kit Table D - To Mount 1/2" Base Plates (15 Series)

Thread	Finish	Nut Type	BHSCS, Washer	SHCS	SHCS, Washer	T-Stud, Washer	Drop-In T-Stud w/ Washer
–	–	–	1"	7/8"	1"	1"	1"
5/16-18	Black Zinc	Economy	3443	3458	3470	–	–
	Black Zinc	Drop-In	3445	3460	3472	–	–
	Black Zinc	Hex	–	–	–	3150	3478
	Bright Zinc	Hex	–	–	–	3737	–
	Stainless Steel	Economy	3632	3638	3642	–	–
	Stainless Steel	Hex	–	–	–	3646	–
–	–	–	25mm	–	25mm	30mm	–
M8 x 1.25	Bright Zinc	Economy	3877	–	3887	–	–
	Bright Zinc	Drop-In	3886	–	3888	–	–
	Bright Zinc	Hex	–	–	–	3890	–

Bolt Kit Table E - To Mount 3/4" Base Plates (15 Series)

Thread	Finish	Nut Type	SHCS
–	–	–	7/8"
5/16-18	Black Zinc	Economy	3458
	Black Zinc	Drop-In	3460
	Stainless Steel	Economy	3638
–	–	–	20mm
M8 x 1.25	Bright Zinc	Economy	3899
	Bright Zinc	Drop-In	3869

Bolt Kit Table F - To Mount 1/8" Plates (10 Series)

Thread	Finish	Nut Type	FBHSCS	BHSCS, Washer	SHCS	SHCS, Washer
–	–	–	3/8"	1/2"	3/8"	1/2"
1/4-20	Black Zinc	Economy	3386	3398	3486	3495
	Black Zinc	Drop-In	3480	3399	3490	3496
–	–	–	–	12mm	–	12mm
M6 x 1.00	Bright Zinc	Drop-In	–	3824	–	3849

Bolt Kit Table G - To Mount 3/16" Plates (10 Series)

Thread	Finish	Nut Type	FBHSCS	BHSCS, Washer	SHCS	SHCS, Washer
–	–	–	1/2"	1/2"	1/2"	1/2"
1/4-20	Black Zinc	Economy	3321	3398	3491	3495
	Black Zinc	Drop-In	3481	3399	3492	3496
–	–	–	–	12mm	12mm	12mm
M6 x 1.00	Bright Zinc	Drop-In	–	3824	3833	3849

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Bolt Kit Table H - To Mount 1/4" Plates (10 Series)

Thread	Finish	Nut Type	FBHSCS	BHSCS, Washer	SHCS	SHCS, Washer
1/4-20	–	–	1/2"	5/8"	1/2"	5/8"
	Black Zinc	Economy	3321	3482	3491	3497
	Black Zinc	Drop-In	3481	3484	3492	3498
M6 x 1.00	–	–	–	16mm	12mm	16mm
	Bright Zinc	Drop-In	–	3827	3833	3856

Bolt Kit Table J - To Mount 1/2" Plates (10 Series)

Thread	Finish	Nut Type	BHSCS, Washer	SHCS	SHCS, Washer
–	–	–	3/4"	3/4"	–
1/4-20	Black Zinc	Economy	3371	3304	–
	Black Zinc	Drop-In	3372	3397	–
–	–	–	20mm	20mm	20mm
M6 x 1.00	Bright Zinc	Drop-In	3850	3847	3855

Bolt Kit Table K - To Mount 1/2" Base Plates (10 Series)

Thread	Finish	Nut Type	SHCS
–	–	–	1/2"
1/4-20	Black Zinc	Economy	3491
	Black Zinc	Drop-In	3492
–	–	–	12mm
M6 x 1.00	Bright Zinc	Drop-In	3833

Bolt Kit Table L - To Mount 1/8" Inside Corner Brackets (10 Series)

Thread	Finish	Nut Type	FBHSCS	BHSCS, Washer
–	–	–	3/8"	1/2"
1/4-20	Black Zinc	Economy	3386	3398
	Black Zinc	Drop-In	3480	3399
–	–	–	–	12mm
M6 x 1.00	Bright Zinc	Drop-In	–	3824

Bolt Kit Table M - To Mount 3/16" Inside Corner Brackets (10 Series)

Thread	Finish	Nut Type	BHSCS
–	–	–	1/2"
1/4-20	Black Zinc	Economy	3393
	Black Zinc	Drop-In	3394
–	–	–	12mm
M6 x 1.00	Bright Zinc	Drop-In	3867

Bolt Kit Table N - To Mount 1/4" Inside Corner Brackets (15 Series)

Thread	Finish	Nut Type	FBHSCS	BHSCS, Washer
–	–	–	11/16"	3/4"
5/16-18	Black Zinc	Economy	3320	3439
	Black Zinc	Drop-In	3323	3441
	Stainless Steel	Economy	–	3630
–	–	–	–	20mm
M8 x 1.25	Bright Zinc	Economy	–	3870
	Bright Zinc	Drop-In	–	3872

*Bolt Kit Table P - 10 Series (3/16") & 15 Series (1/4") Double Economy T-Nuts

Thread	Finish	Nut Type	FBHSCS (2)	FBHSCS (2)	BHSCS (2) Washer (2)
–	–	–	1/2"	5/8"	–
1/4-20	Black Zinc	Economy	3356	–	–
5/16-18	Black Zinc	Economy	–	3355	–
–	–	–	–	–	20mm
M8 x 1.25	Black Zinc	Economy	–	–	3863

*Bolt Kit Table Q - 10 Series (3/16") & 15 Series (1/4") Triple Economy T-Nuts

Thread	Finish	Nut Type	FBHSCS (3)	FBHSCS (3)
–	–	–	1/2"	5/8"
1/4-20	Black Zinc	Economy	3358	–
5/16-18	Black Zinc	Economy	–	3357

*Bolt kits are for 3/16" thick 10 Series & 1/4" thick 15 Series joining plates only. For thicker plates, select T-nuts and bolts from Section 3.

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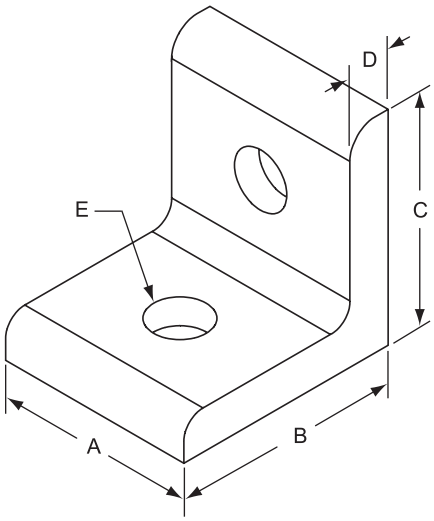
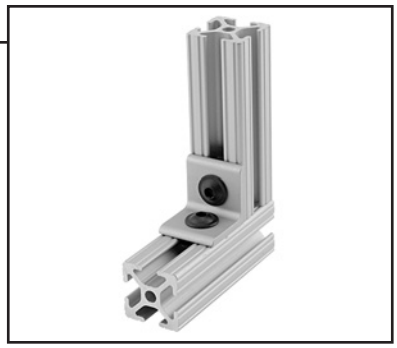
2 Hole 1/8" Inside Corner Bracket





10 Series Recommended Mounting Hardware:

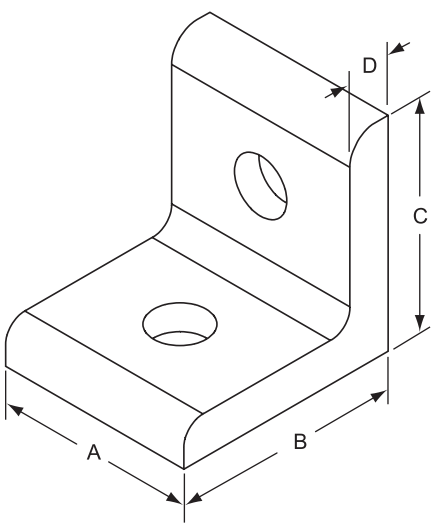
Part No.	Qty	Description
3386 ⌘	2	1/4-20 x 3/8" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table L on page 267.

⌘ = 10 Series Compatible Part

Part No.	A	B	C	D	E	Lbs.
4108 ⌘	1.000	1.000	1.000	.125	ø.257	.020

2 Hole Inside Corner Bracket



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⌘	2	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	2	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⌘ = 10 Series Compatible Part

Part No.	A	B	C	D	Lbs.
4119 ⌘	.875	1.000	1.000	.188	.025
4302	1.310	1.500	1.500	.250	.085

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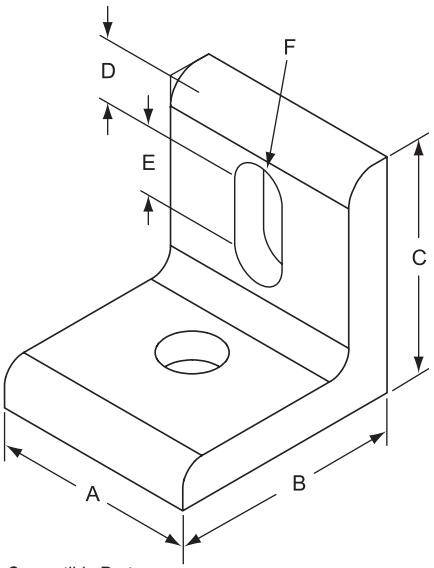
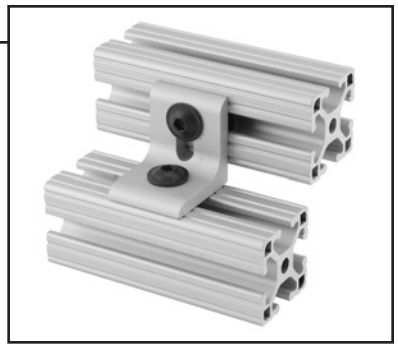
2 Hole Slotted Inside Corner Bracket





10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⌘	2	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

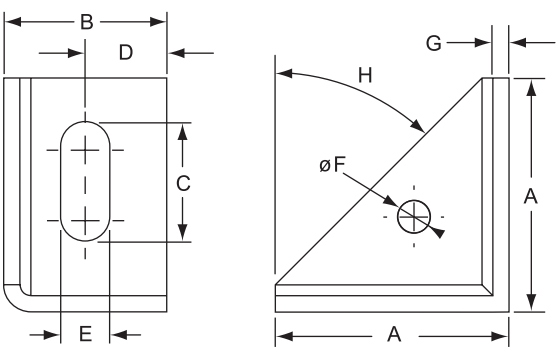
Part No.	Qty	Description
3320	2	5/16-18 x 11/16" FBHSCS & Econ T-Nut

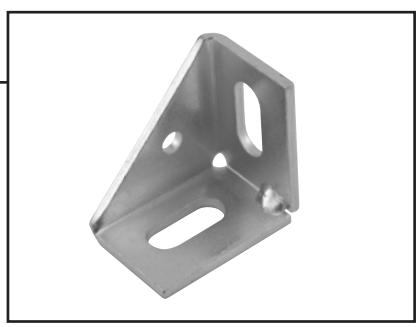
For more 15 Series mounting hardware options, see Table N on page 268.

⌘ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	Lbs.
4265 ⌘	.875	1.000	1.000	.312	.188	ø.281	.025
4295	1.310	1.500	1.500	.500	.500	ø.328	.075

2 Hole Inside Corner Bracket
Steel, Zinc Plated





Recommended Mounting Hardware:

Part No.	Qty	Description	Compatibility Code*
3450	2	5/16-18 x 1/2 SHCS & Econ. T-nut	8-15
75-3624	2	M8 x 12mm SHCS & Slide In T-nut	8-40

Part No.	A	B	C	D	E	F	G	H	Lbs.	Compatibility Code*
14120	1.693	1.181	.866	.590	.354	.236	.118	45°	.09	8-15, 8-40

* See Compatibility Code information on page 152.

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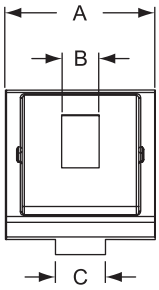
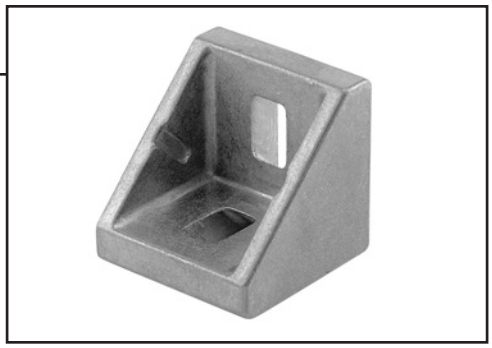
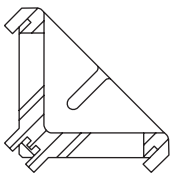
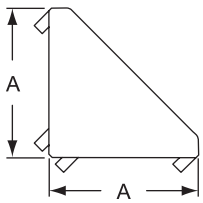
2 Hole Inside Corner Bracket

Die Cast Aluminum, Natural Finish









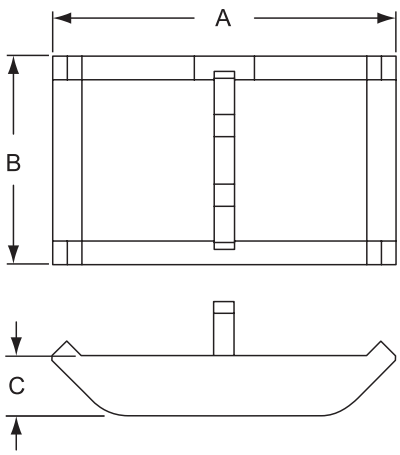
Recommended Mounting Hardware:

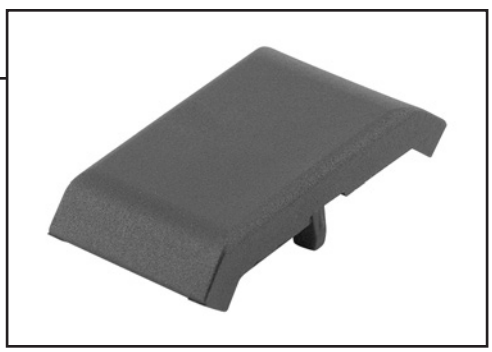
Part No.	Qty	Description	Compatibility Code*
75-3581	2	M5 x 8mm BSHCS & Econ. Slide-In T-nut	5-20
3457	2	10-32 x 3/8 SHCS & Econ. Slide-In T-nut	6-10
75-3401	2	M5 x 10mm SHCS & Econ. Slide-In T-nut	6-25

Part No.	A	B	C (Slot Tab)	Lbs.	Compatibility Code*
14059	.709	.209	None	.022	5-20, 6-10, 6-25
14060			.197		
14061			.236		

Cover Cap for Inside Corner Bracket

Fiberglass Reinforced Nylon, Black





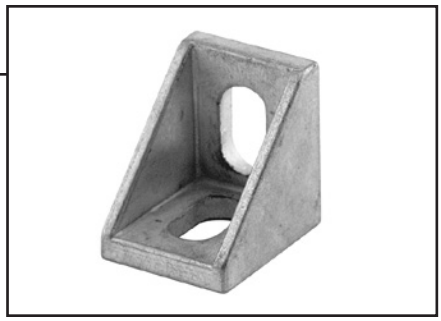
Fits brackets shown above

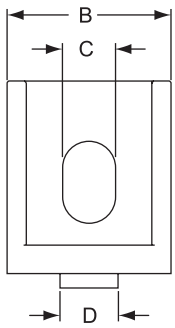
Part No.	A	B	C	Lbs.	Fits On	Compatibility Code*
12031	1.10	.693	.197	.005	14059, 14060, 14061	5-20, 6-10, 6-25

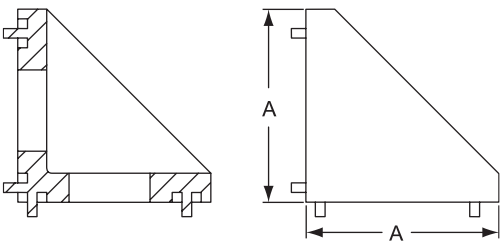
* See Compatibility Code information on page 152.

2 Hole Inside Corner Bracket

Die Cast Zinc, Natural or Powder Coat







Recommended Mounting Hardware:

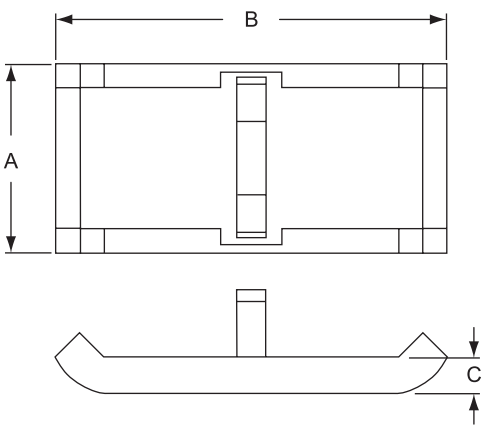
Part No.	Qty	Description	Compatibility Code*
3457	2	10-32 x 3/8 SHCS & Econ. Slide-In T-nut	6-10
75-3401	2	M5 x 10mm SHCS & Econ. Slide-In T-nut	6-25

Part No.	Finish	A	B	C	D (Slot Tab)	Lbs.	Compatibility Code*
14054	Powder Coat - Aluminum Color	.787	.669	.216	.236	.03	6-10, 6-25

Cover Cap for Inside Corner Bracket

Fiberglass Reinforced Nylon, Black

Fits bracket shown above



Part No.	A	B	C	Lbs.	Fits On	Compatibility Code*
12030	.610	1.260	.118	.010	14054	6-10, 6-25

* See Compatibility Code information on page 152.

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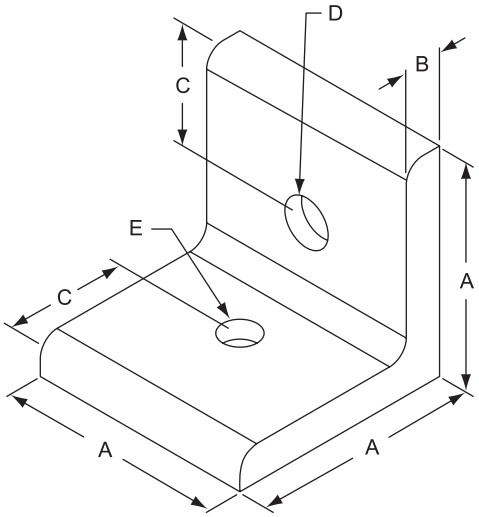
2 Hole Lite Transition Inside Corner Bracket



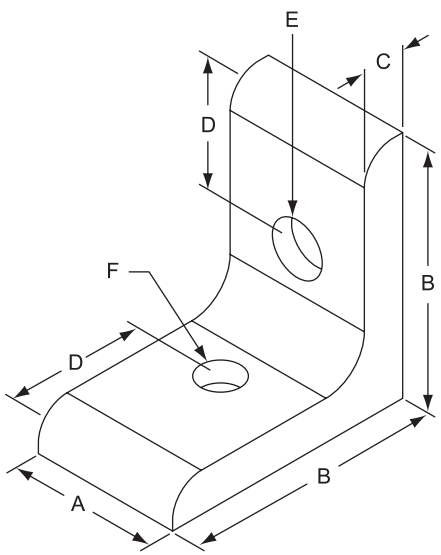
Joins 10 Series to 15 Series T-Slotted Profiles

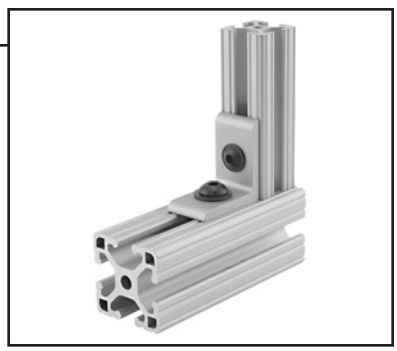
Recommended Mounting Hardware:

Part No.	Qty	Description
3386	1	1/4-20 x 3/8" BHSCS & Econ T-Nut
AND		
3319	1	5/16-18 x 1/2" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	Lbs.
4509	1.000	.125	.500	ø.328	ø.257	.020

2 Hole Standard Transition Inside Corner Bracket





Joins 10 Series to 15 Series T-Slotted Profiles

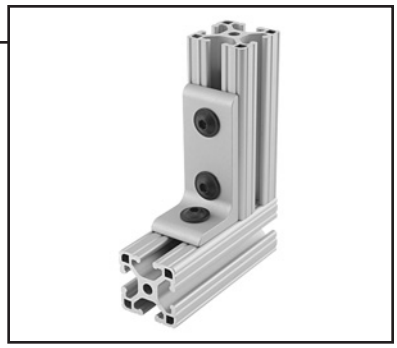
Recommended Mounting Hardware:

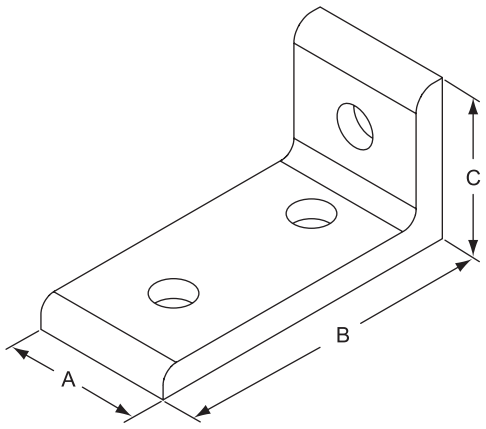
Part No.	Qty	Description
3321	1	1/4-20 x 1/2" FBHSCS & Econ T-Nut
AND		
3435	1	5/16-18 x 5/8" BHSCS, Washer & Econ T-Nut

Part No.	A	B	C	D	E	F	Lbs.
4503	.875	1.500	.188	.750	ø.328	ø.257	.045

3 Hole Inside Corner Bracket

Page 268





10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⊠	3	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	3	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

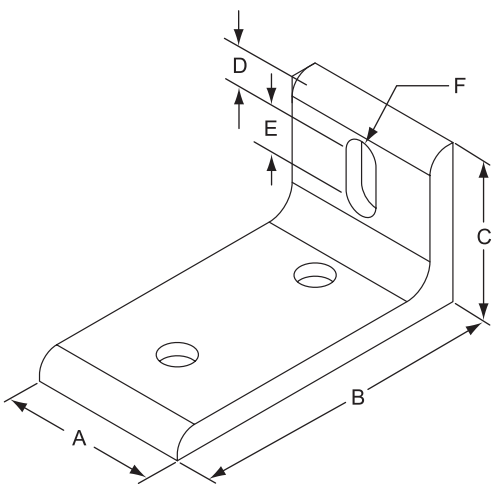
⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4176 ⊠	.875	2.000	1.000	.040
4376	1.310	3.000	1.500	.130

4

3 Hole Slotted Inside Corner Bracket

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	3	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	3	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	Lbs.
4250 ⊠	.875	2.000	1.000	.312	.188	ø.281	.040
4280	1.310	3.000	1.500	.500	.500	ø.328	.125

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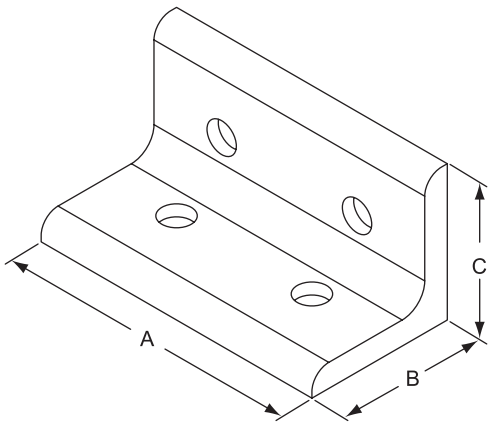
4 Hole Inside Corner Bracket

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⊠	4	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut

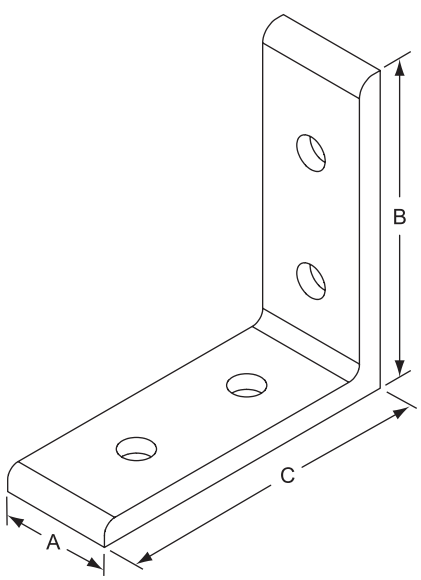
For more 15 Series mounting hardware options, see Table N on page 268.

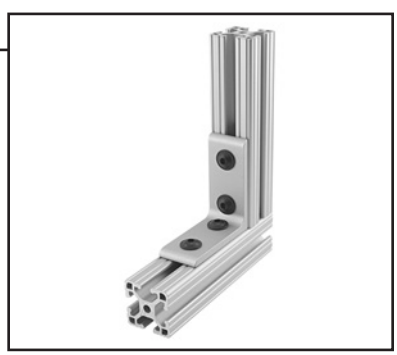
⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4113 ⊠	1.875	1.000	1.000	.055
4303	2.810	1.500	1.500	.175

4 Hole Inside Corner Bracket

Page 268





10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⊠	4	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4115 ⊠	.875	2.000	2.000	.055
4301	1.310	3.000	3.000	.170

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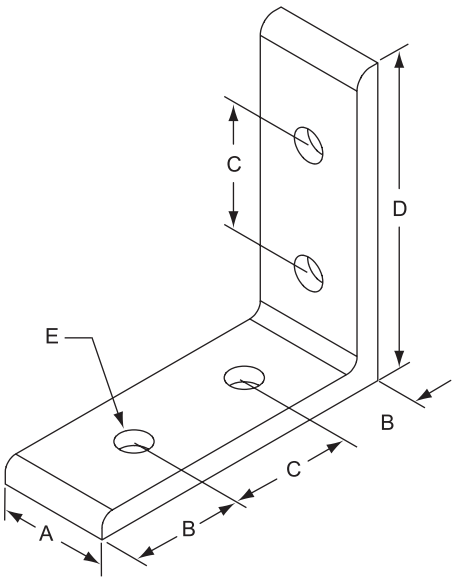
4 Hole 2.5" Inside Corner Bracket

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	4	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

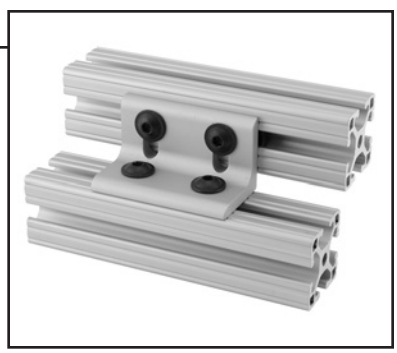
⊠ = 10 Series Compatible Part

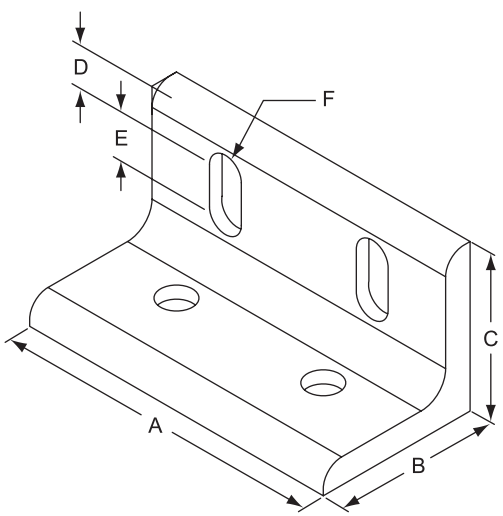
Part No.	A	B	C	D	E	Lbs.
4101 ⊠	.875	.750	1.000	2.500	ø.257	.075

4

4 Hole Slotted Inside Corner Bracket

Page 268





10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	4	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	Lbs.
4260 ⊠	1.875	1.000	1.000	.312	.188	ø.281	.055
4290	2.810	1.500	1.500	.500	.500	ø.328	.165

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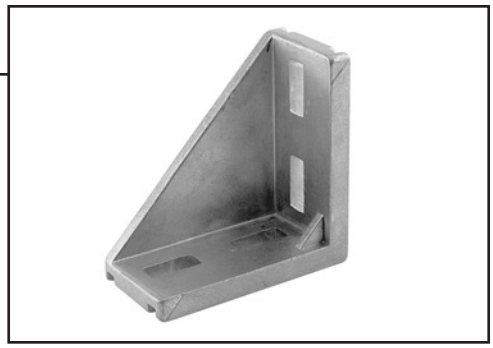
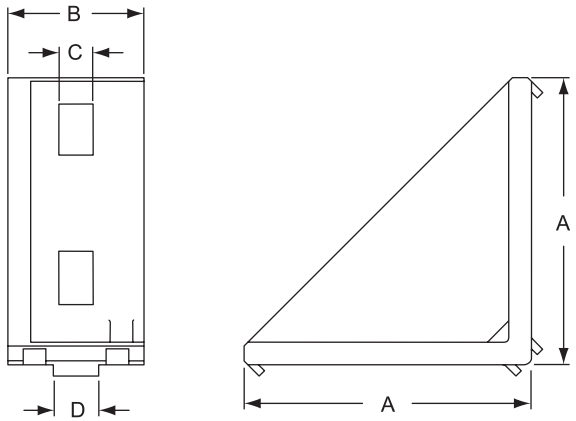
4 Hole Inside Corner Bracket

Die Cast Aluminum, Natural Finish





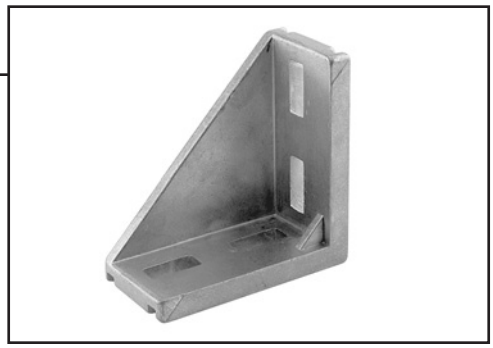
Recommended Mounting Hardware:

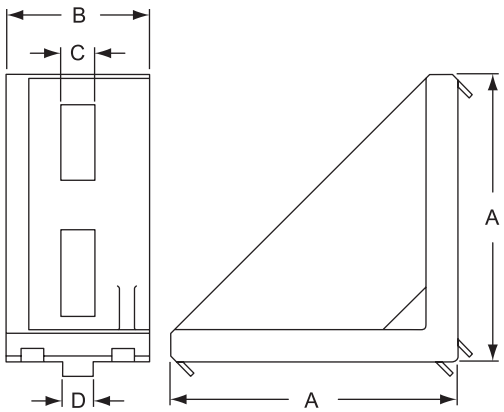
Part No.	Qty	Description	Compatibility Code*
3457	4	10-32 x 3/8 SHCS & Econ. Slide-In T-nut	6-10
75-3401	4	M5 x 10mm SHCS & Econ. Slide-In T-nut	6-25

Part No.	A	B	C	D (Slot Tab)	Lbs.	Compatibility Code*
14058	1.500	.708	.208	.236	.03	6-10, 6-25

4 Hole Inside Corner Bracket

Die Cast Aluminum, Natural Finish





Recommended Mounting Hardware:

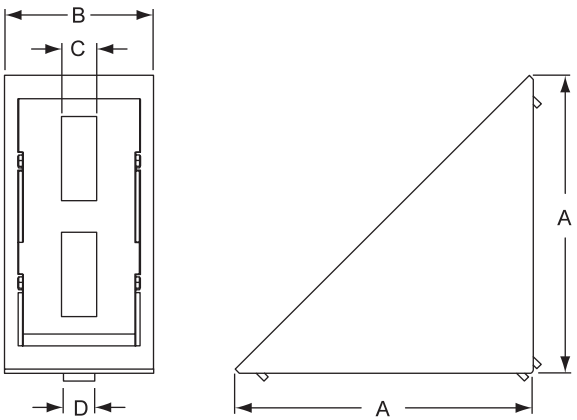
Part No.	Qty	Description	Compatibility Code*
3455	4	5/16-18 x 3/4 SHCS & Econ. Slide-In T-nut	8-15
75-3627	4	M8 x 18mm SHCS & Roll-In T-Nut	8-40

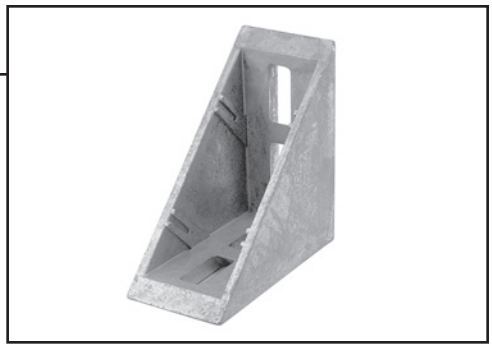
Part No.	A	B	C	D (Slot Tab)	Lbs.	Compatibility Code*
14080	2.99	1.49	.354	None	.27	8-15, 8--40
14081				.315		

* See Compatibility Code information on page 152.

4 Hole Inside Corner Bracket

Die Cast Zinc, Natural or Powder Coat





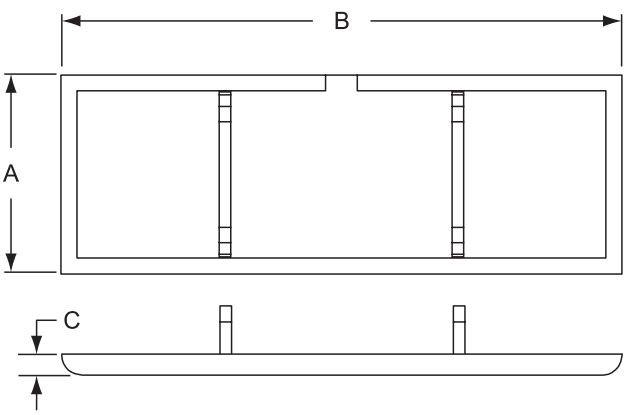
Recommended Mounting Hardware:

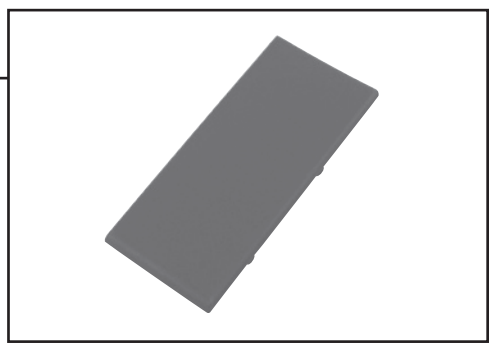
Part No.	Qty	Description	Compatibility Code*
3455	4	5/16-18 x 3/4 SHCS & Econ. Slide-In T-nut	8-15
75-3627	4	M8 x 20mm SHCS & Drop-In T-nut	8-40

Part No.	Finish	A	B	C	D (Slot Tab)	Lbs.	Compatibility Code*
14103	Natural	2.99	1.49	.354	None	.59	8-15, 8-40
14098	Powder Coat - Aluminum Color				None	.59	
14100	Natural				.315	.59	8-40
14099	Powder Coat - Aluminum Color				.315	.59	

Cover Cap for Inside Corner Bracket

Fiberglass Reinforced Nylon, Black





Fits brackets shown above

Part No.	A	B	C	Lbs.	Fits On	Compatibility Code*
12038	1.49	4.173	.157	.03	14103 14098	8-15, 8-40

* See Compatibility Code information on page 152.

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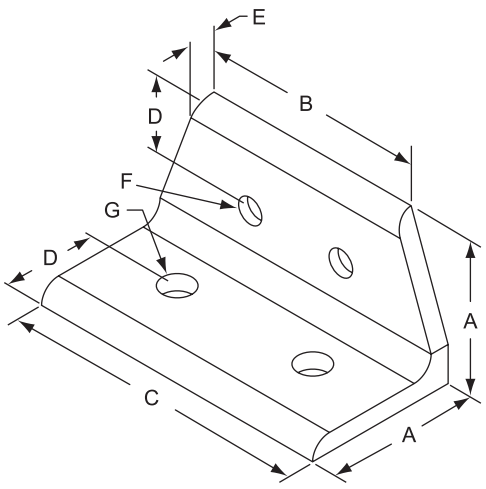
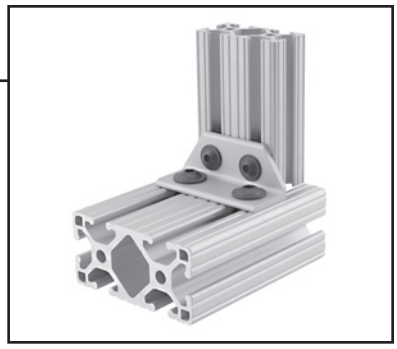
4 Hole Lite Double Wide Transition Inside Corner Bracket

Page 268





Joins 10 Series to 15 Series T-Slotted Profiles

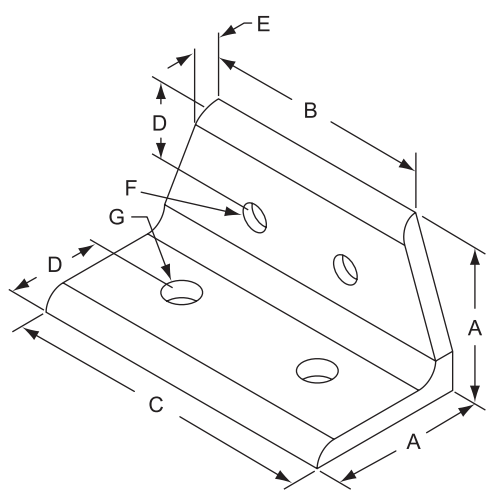
Recommended Mounting Hardware:

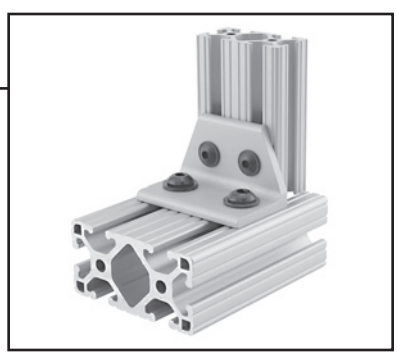
Part No.	Qty	Description
3386	2	1/4-20 x 3/8" BHSCS & Econ T-Nut
AND		
3319	2	5/16-18 x 1/2" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	G	Lbs.
4511	1.000	1.500	2.500	.500	.125	ø.257	ø.328	.040

4 Hole Standard Double Wide Transition Inside Corner Bracket

Page 268





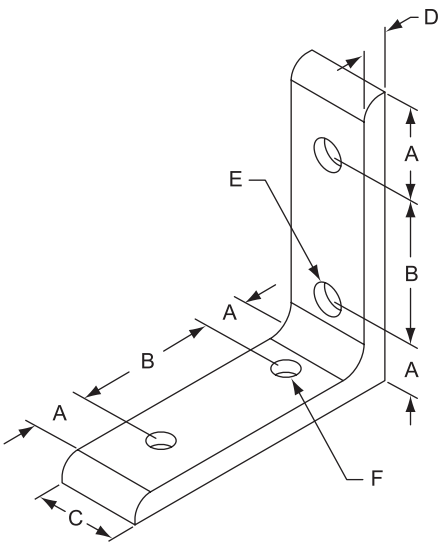
Joins 10 Series to 15 Series T-Slotted Profiles

Recommended Mounting Hardware:

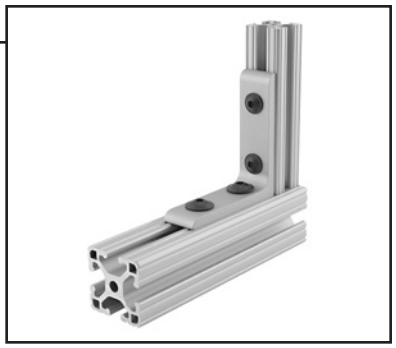
Part No.	Qty	Description
3321	2	1/4-20 x 1/2" FBHSCS & Econ T-Nut
AND		
3435	2	5/16-18 x 5/8" BHSCS, Washer & Econ T-Nut

Part No.	A	B	C	D	E	F	G	Lbs.
4512	1.500	1.500	2.500	.750	.188	ø.257	ø.328	.055

4 Hole Transition Inside Corner Bracket



Page 268



Joins 10 Series to 15 Series T-Slotted Profiles

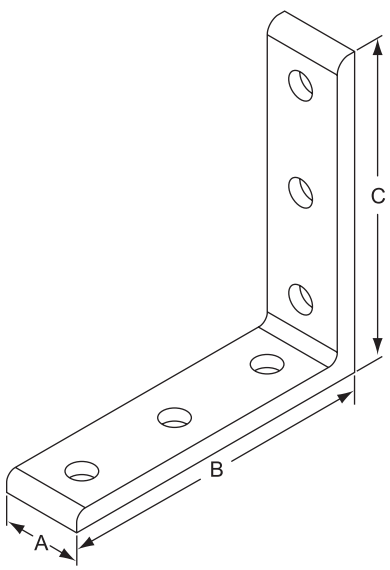
Recommended Mounting Hardware: ⊠ = 10 Series Compatible Part

Part No.	Qty	Description
3321 ⊠	2	1/4-20 x 1/2" FBHSCS & Econ T-Nut
AND		
3320	2	5/16-18 x 11/16" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	Lbs.
4504	.750	1.500	.875	.250	ø.328	ø.257	.115

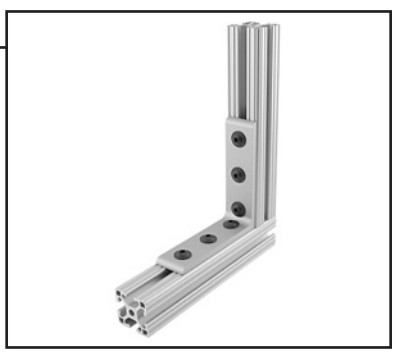
4

6 Hole Inside Corner Bracket



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⊠	6	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4013 ⊠	.875	3.000	3.000	.085
4413	1.310	4.500	4.500	.285

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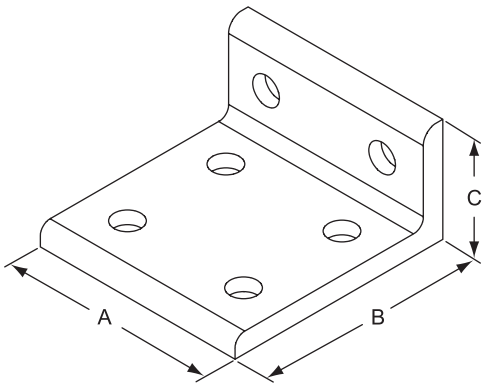
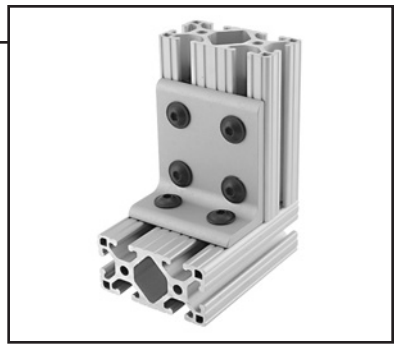
6 Hole Inside Corner Bracket

Page 268





10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⊠	6	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

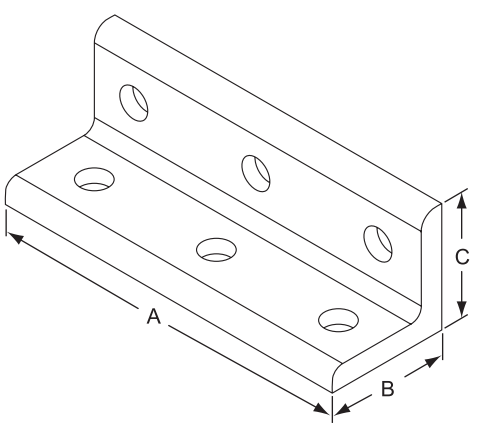
⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4175 ⊠	1.875	2.000	1.000	.085
4375	2.810	3.000	1.500	.275

6 Hole Inside Corner Bracket

Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⊠	6	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

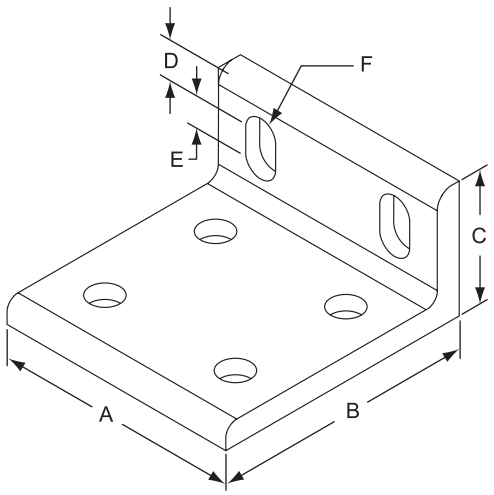
Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

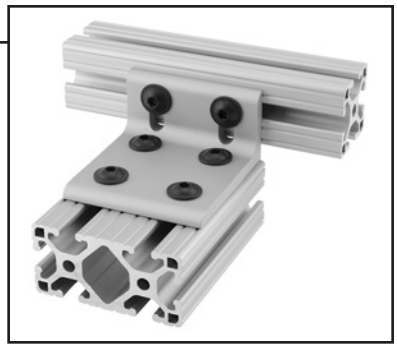
⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4015 ⊠	2.875	1.000	1.000	.085
4415	4.310	1.500	1.500	.265

6 Hole Slotted Inside Corner Bracket



Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	6	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut

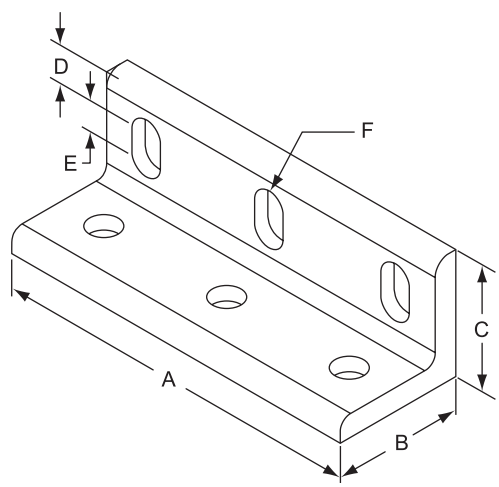
For more 15 Series mounting hardware options, see Table N on page 268.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	Lbs.
4286 ⊠	1.875	2.000	1.000	.312	.188	ø.281	.085
4285	2.810	3.000	1.500	.500	.500	ø.328	.265

4

6 Hole Slotted Inside Corner Bracket



Page 268

Page 268

10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	6	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	Lbs.
4266 ⊠	2.875	1.000	1.000	.312	.188	ø.281	.118
4296	4.310	1.500	1.500	.500	.500	ø.328	.255

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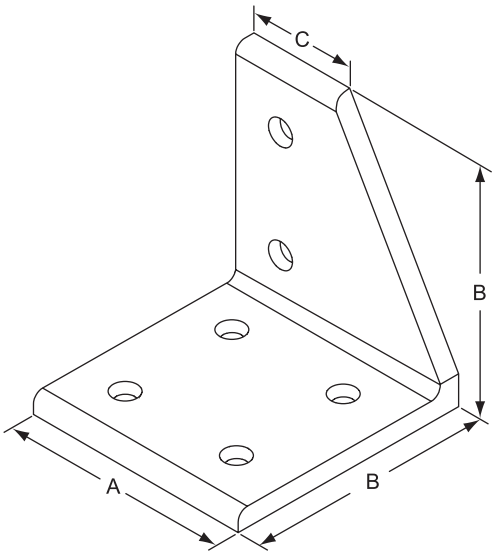
6 Hole Left Inside Corner Bracket



Page 268

10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⊠	6	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

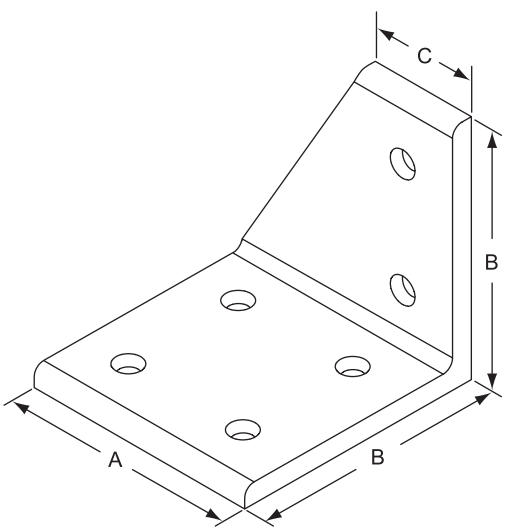
Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

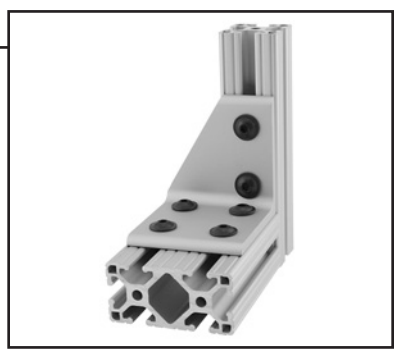
⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4122 ⊠	1.875	2.000	.938	.105
4309	2.810	3.000	1.310	.335

6 Hole Right Inside Corner Bracket



Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⊠	6	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

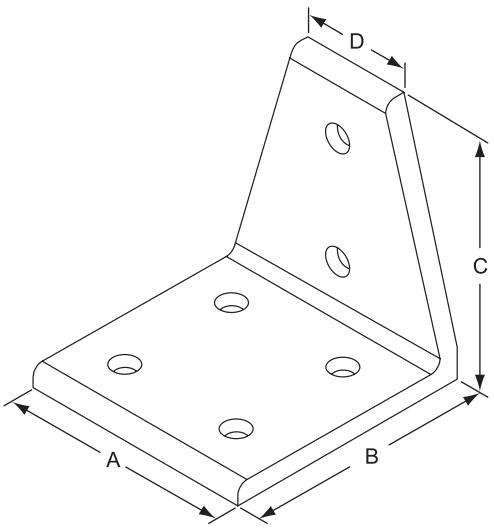
Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4121 ⊠	1.875	2.000	.938	.105
4308	2.810	3.000	1.310	.335

6 Hole Center Inside Corner Bracket



Page 268

10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⊠	6	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut

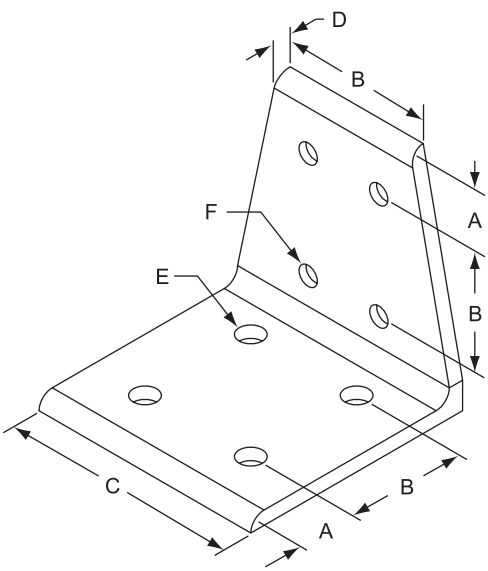
For more 15 Series mounting hardware options, see Table N on page 268.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	Lbs.
4111 ⊠	1.875	2.000	2.000	1.000	.105
4311	2.810	3.000	3.000	1.310	.335

4

8 Hole Double Wide Transition Inside Corner Bracket



Page 268

Joins 10 Series to 15 Series T-Slotted Profiles

Recommended Mounting Hardware: ⊠ = 10 Series Compatible Part

Part No.	Qty	Description
3321 ⊠	4	1/4-20 x 1/2" FBHSCS & Econ T-Nut
AND		
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	Lbs.
4513	.750	1.500	2.500	.250	ø.328	ø.257	.105

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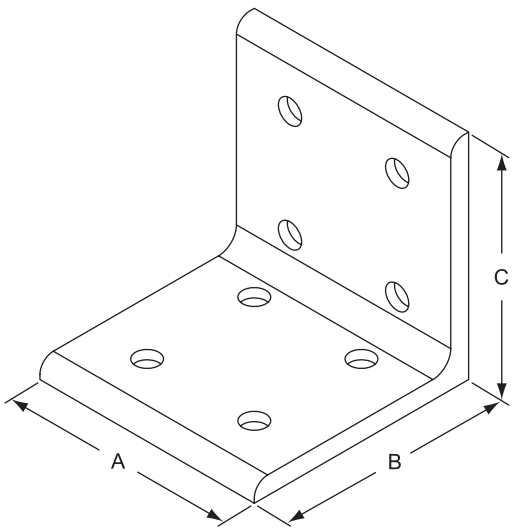
8 Hole Inside Corner Bracket



Page 268

10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⌘	8	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

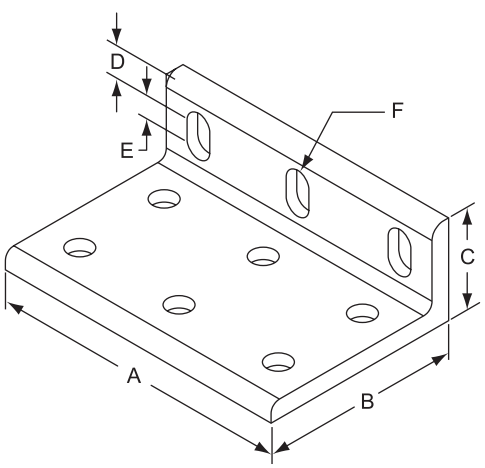
Part No.	Qty	Description
3320	8	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⌘ = 10 Series Compatible Part

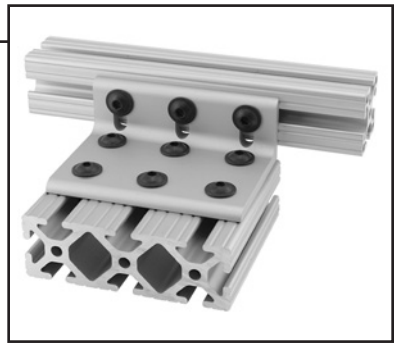
Part No.	A	B	C	Lbs.
4114 ⌘	1.875	2.000	2.000	.120
4304	2.810	3.000	3.000	.365

9 Hole Slotted Inside Corner Bracket



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⌘	9	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	9	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⌘ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	Lbs.
4251 ⌘	2.875	2.000	1.000	.312	.188	ø.281	.130
4281	4.310	3.000	1.500	.500	.500	ø.328	.405

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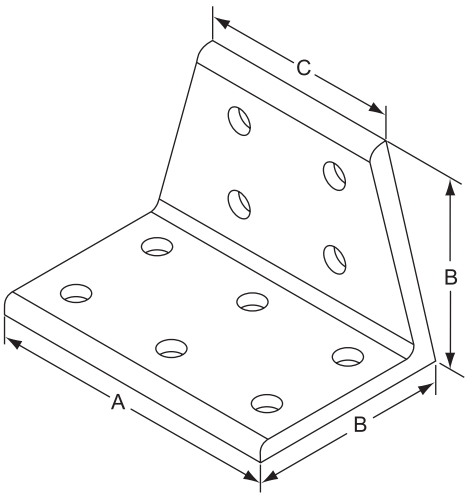
10 Hole Center Inside Corner Bracket



Page 268
Page 268

10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⚒	10	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	10	5/16-18 x 11/16" FBHSCS & Econ T-Nut

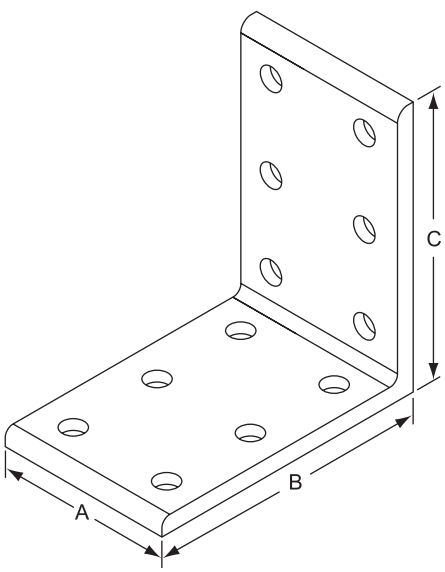
For more 15 Series mounting hardware options, see Table N on page 268.

⚒ = 10 Series Compatible Part

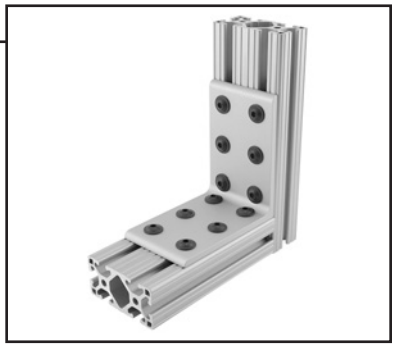
Part No.	A	B	C	Lbs.
4020 ⚒	2.875	2.000	2.000	.160
4420	4.310	3.000	2.810	.450

4

12 Hole Inside Corner Bracket



Page 268
Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⚒	12	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	12	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⚒ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4014 ⚒	1.875	3.000	3.000	.176
4414	2.810	4.500	4.500	.575

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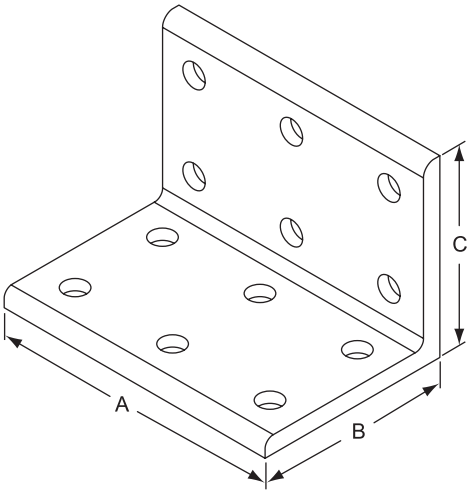
12 Hole Inside Corner Bracket

Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⊠	12	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	12	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

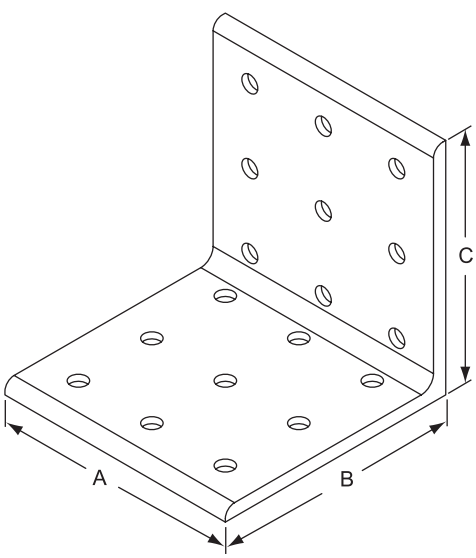
⊠ = 10 Series Compatible Part

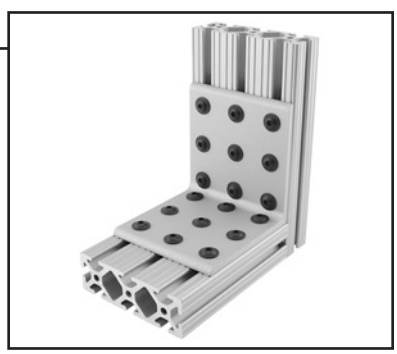
Part No.	A	B	C	Lbs.
4016 ⊠	2.875	2.000	2.000	.175
4416	4.310	3.000	3.000	.560

18 Hole Inside Corner Bracket

Page 268

Page 268





10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⊠	18	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	18	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4017 ⊠	2.875	3.000	3.000	.265
4417	4.310	4.500	4.500	.865

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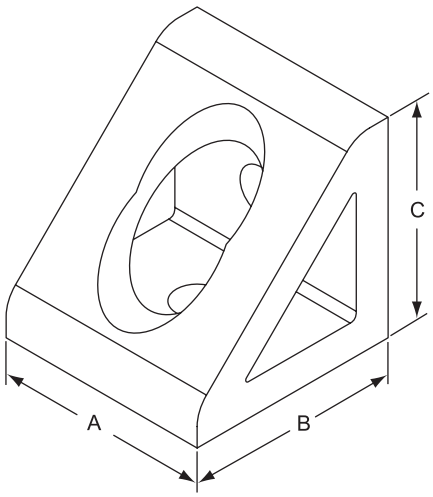
2 Hole Inside Gusset Corner Bracket



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⊠	2	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	2	5/16-18 x 11/16" FBHSCS & Econ T-Nut

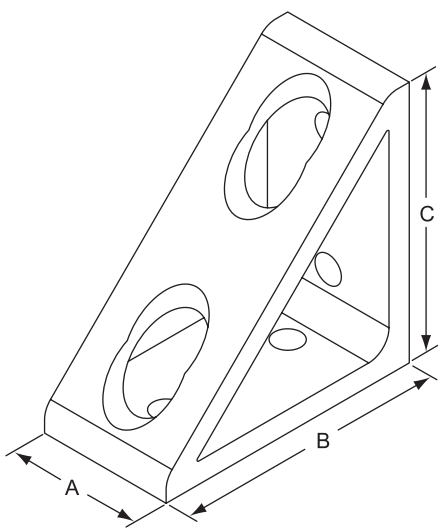
For more 15 Series mounting hardware options, see Table N on page 268.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4132 ⊠	.875	1.000	1.000	.041
4332	1.310	1.500	1.500	.125

4 Hole Inside Gusset Corner Bracket

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⊠	4	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4136 ⊠	.875	2.000	2.000	.092
4336	1.310	3.000	3.000	.275

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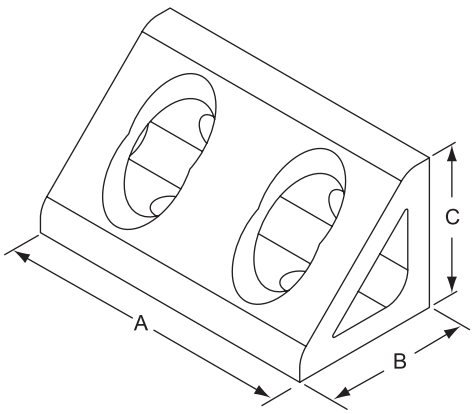
4 Hole Inside Gusset Corner Bracket

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⛝	4	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut

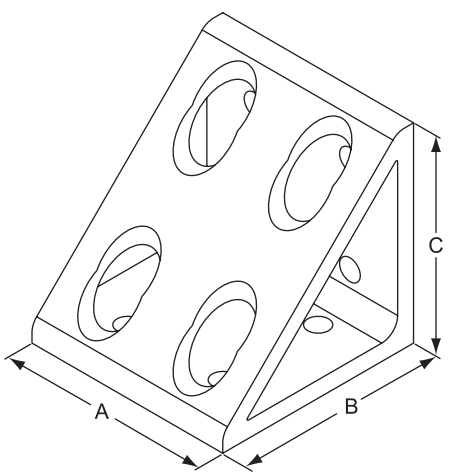
For more 15 Series mounting hardware options, see Table N on page 268.

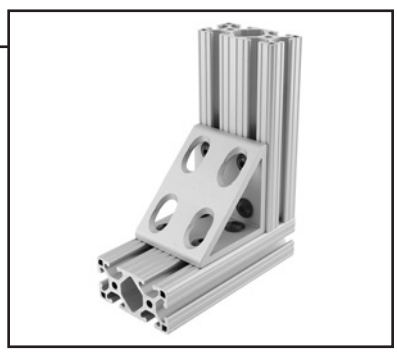
⛝ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4134 ⛝	1.875	1.000	1.000	.081
4334	2.810	1.500	1.500	.246

8 Hole Inside Gusset Corner Bracket

Page 268





10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3393 ⛝	8	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table M on page 268.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	8	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⛝ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4138 ⛝	1.875	2.000	2.000	.184
4338	2.810	3.000	3.000	.551

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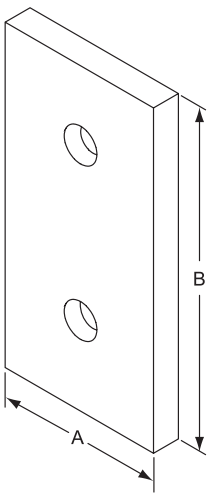
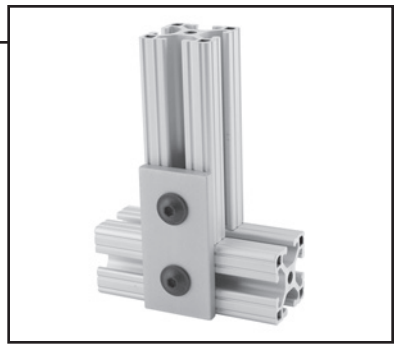
For more 10 Series mounting hardware options, see Table G on page 266.

For more 15 Series mounting hardware options, see Table C on page 265.

2 Hole Joining Strip





10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	2	1/4-20 x 1/2" FBHSCS & Econ T-Nut

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	2	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	2	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	Lbs.
4107 ⊠	.875	2.000	.030
4307	1.490	3.000	.105

⊠ = 10 Series Compatible Part

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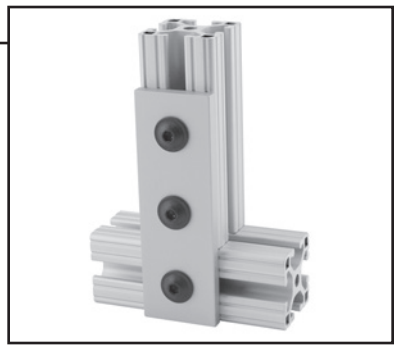
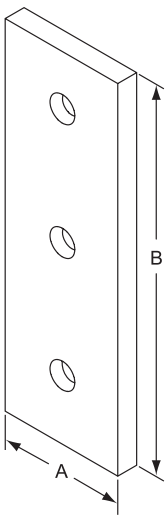
3 Hole Joining Strip

DVD

Page 268





10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	3	1/4-20 x 1/2" FBHSCS & Econ T-Nut

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	3	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	3	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	Lbs.
4118 ⊠	.875	3.000	.045
4306	1.490	4.500	.160

⊠ = 10 Series Compatible Part

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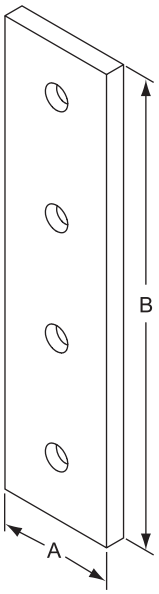
For more 10 Series mounting hardware options, see Table G on page 266.

For more 15 Series mounting hardware options, see Table C on page 265.

Fractional

4 Hole Joining Strip



Page 268

Page 268

10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	4	1/4-20 x 1/2" FBHSCS & Econ T-Nut

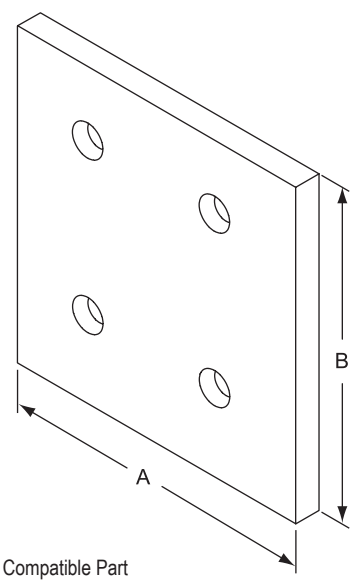
15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	4	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

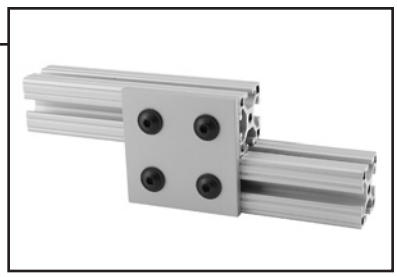
⊠ = 10 Series Compatible Part

Part No.	A	B	Lbs.
4117 ⊠	.875	4.000	.060
4305	1.490	6.000	.215

4 Hole Joining Plate



Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	4	1/4-20 x 1/2" FBHSCS & Econ T-Nut

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	4	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

⊠ = 10 Series Compatible Part

Part No.	A	B	Lbs.
4167 ⊠	2.000	2.000	.075
4367	3.000	3.000	.210

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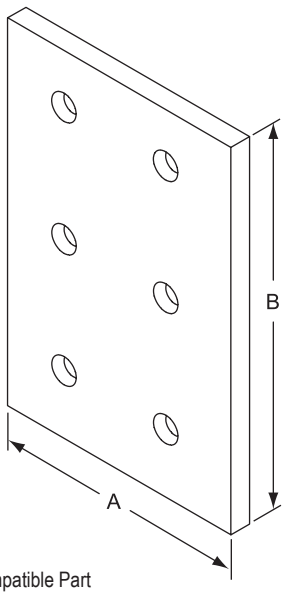
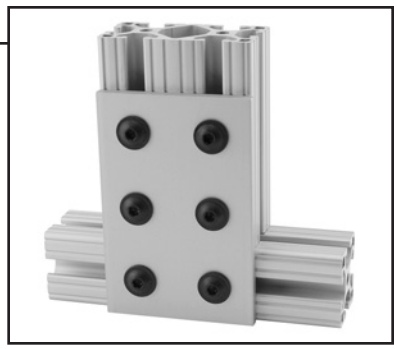
6 Hole Joining Plate



Page 268
Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	6	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	6	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

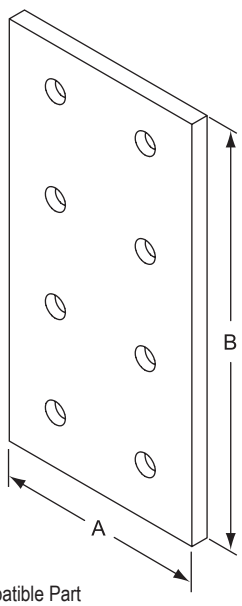
For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

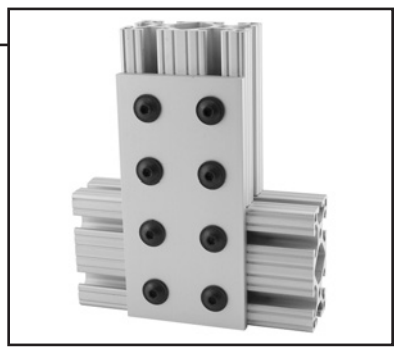
Part No.	A	B	Lbs.
4166 ⊠	2.000	3.000	.105
4366	3.000	4.500	.320

4

8 Hole Joining Plate



Page 268
Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	8	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	8	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	8	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

Part No.	A	B	Lbs.
4165 ⊠	2.000	4.000	.140
4365	3.000	6.000	.425

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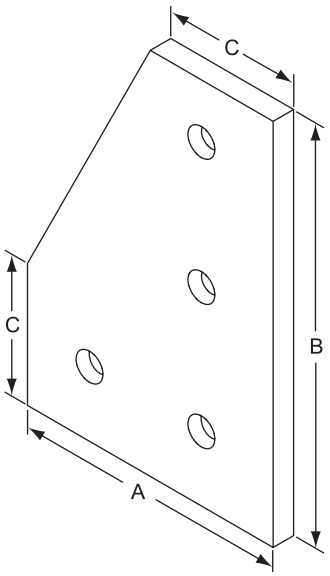
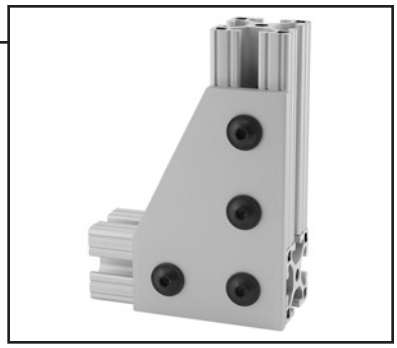
4 Hole 90° Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	4	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

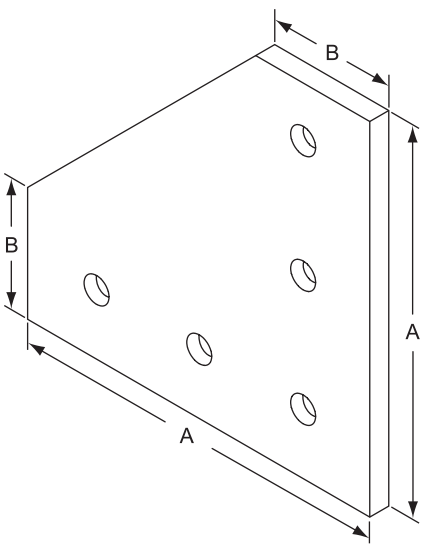
Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	4	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

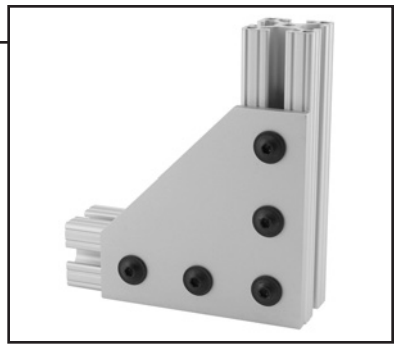
Part No.	A	B	C	Lbs.
4150 ⊠	2.000	3.000	1.000	.090
4350	3.000	4.500	1.500	.260

5 Hole 90° Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	5	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

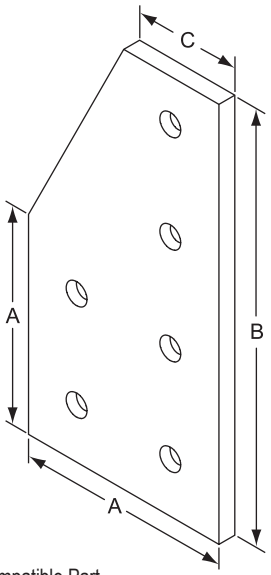
Part No.	Qty	Description
3320	5	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	5	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

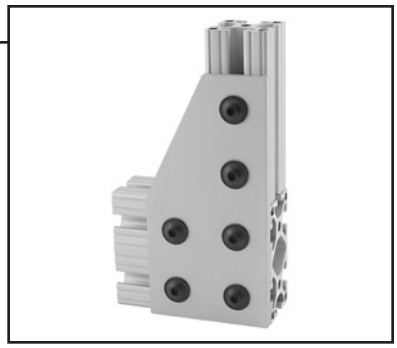
Part No.	A	B	Lbs.
4151 ⊠	3.000	1.000	.125
4351	4.500	1.500	.370

6 Hole 90° Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	6	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

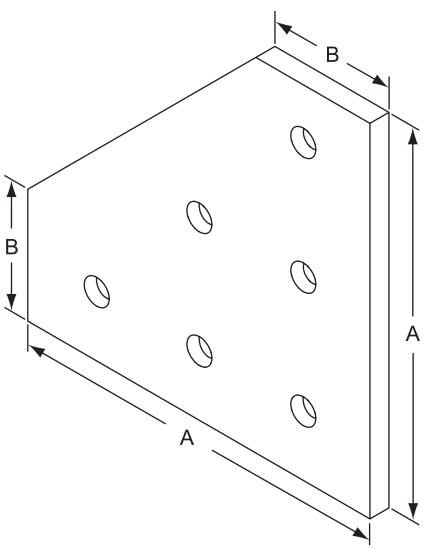
Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	6	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

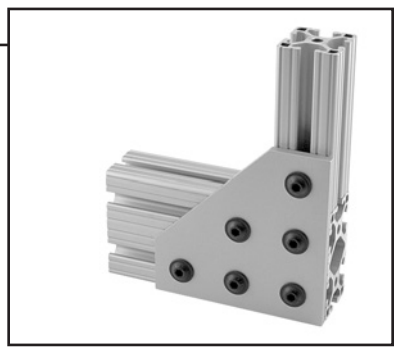
Part No.	A	B	C	Lbs.
4120 ⊠	2.000	4.000	1.000	.120
4320	3.000	6.000	1.500	.370

6 Hole 90° Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	6	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	6	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

Part No.	A	B	Lbs.
4061 ⊠	3.000	1.000	.125
4461	4.500	1.500	.370

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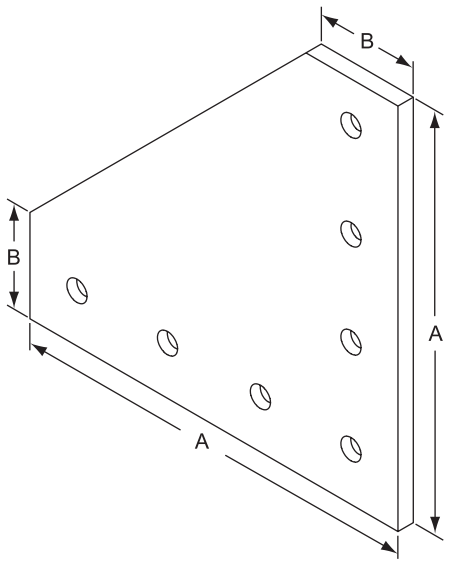
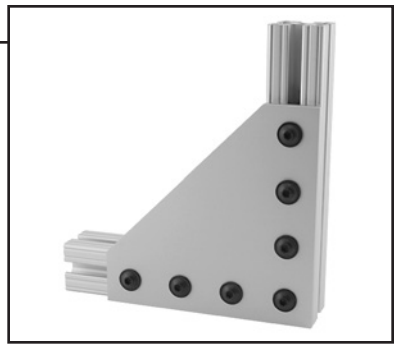
7 Hole 90° Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	7	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

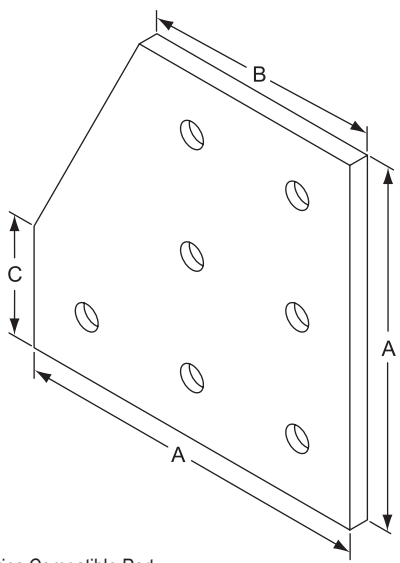
Part No.	Qty	Description
3320	7	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	7	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

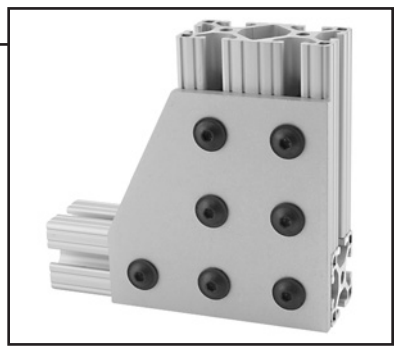
Part No.	A	B	Lbs.
4152 ⊠	4.000	1.000	.200
4352	6.000	1.500	.615

7 Hole 90° Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	7	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	7	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	7	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4129 ⊠	3.000	2.000	1.000	.135
4329	4.500	3.000	1.500	.415

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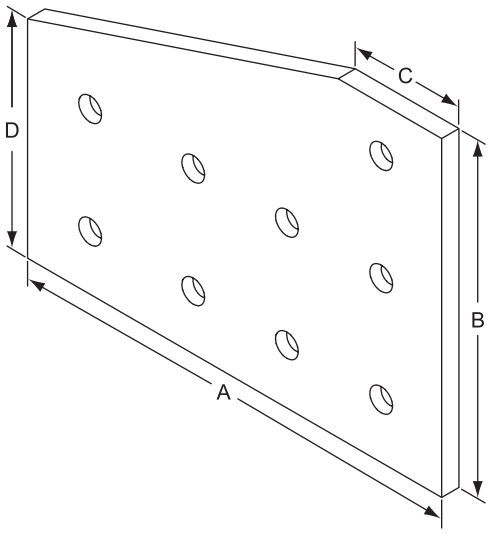
9 Hole 90° Joining Plate



Page 268

Page 268

10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	9	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	9	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	9	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

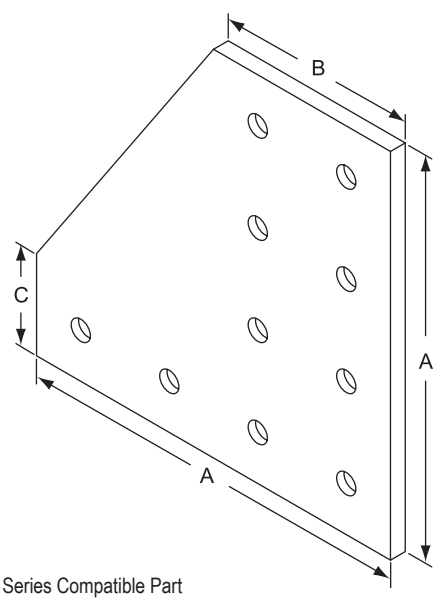
For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	Lbs.
4126 ⊠	4.000	3.000	1.000	2.000	.180
4326	6.000	4.500	1.500	3.000	.540

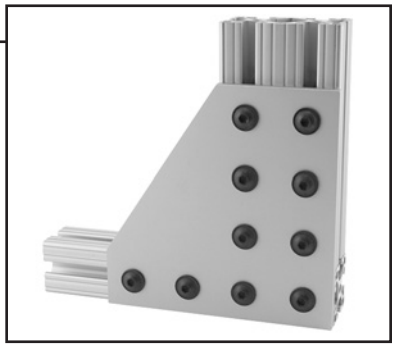
4

10 Hole 90° Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	10	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	10	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	10	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4127 ⊠	4.000	2.000	1.000	.225
4327	6.000	3.000	1.500	.680

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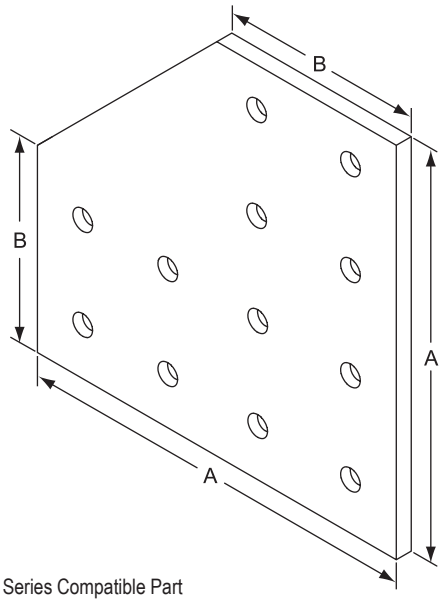
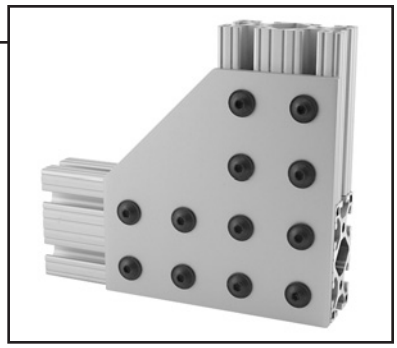
12 Hole 90° Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	12	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	12	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	12	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

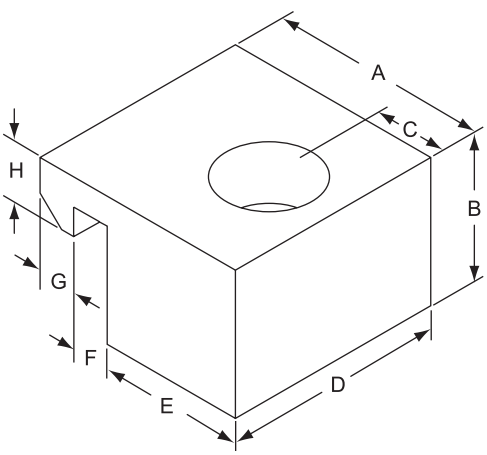
For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

Part No.	A	B	Lbs.
4128 ⊠	4.000	2.000	.240
4328	6.000	3.000	.730

Clamp Block

NO MACHINING REQUIRED!



- **10 or 15 Series compatible**
- **Secures profiles at various angles**
- **Made from 6105-T5 aluminum**
- **Sold in pairs**
- **Mounting hardware included**

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	G	H	Lbs.
4174 ⊠	.710	.500	.250	.710	.500	.110	.100	.215	.044
4468	1.142	.750	.375	1.142	.750	.196	.196	.304	.109

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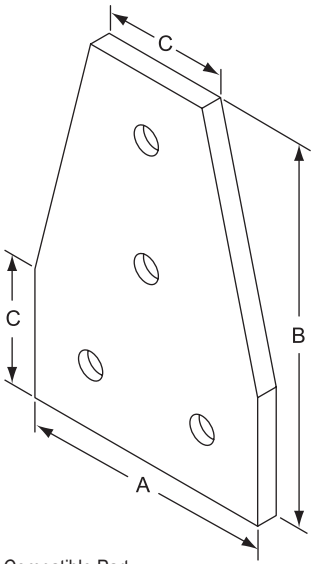
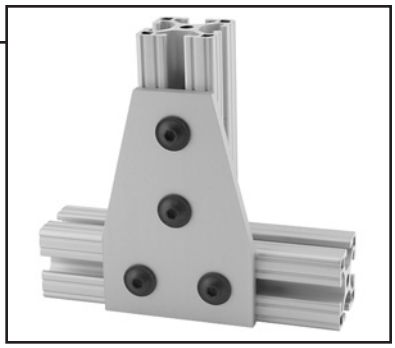
4 Hole Tee Joining Plate



Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⛝	4	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	4	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

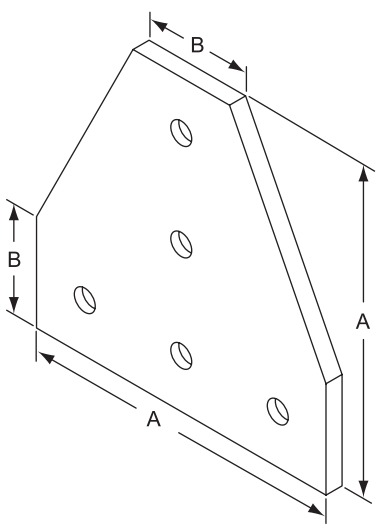
For more 15 Series mounting hardware options, see Table C on page 265.

⛝ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4141 ⛝	2.000	3.000	1.000	.085
4341	3.000	4.500	1.500	.260

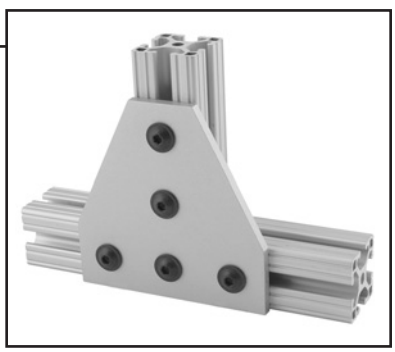
4

5 Hole Tee Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⛝	5	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	5	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	5	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⛝ = 10 Series Compatible Part

Part No.	A	B	Lbs.
4140 ⛝	3.000	1.000	.120
4340	4.500	1.500	.370

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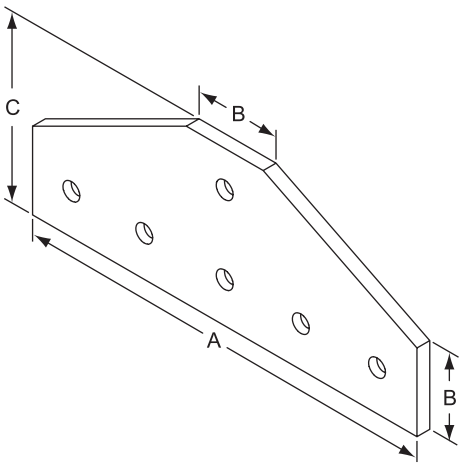
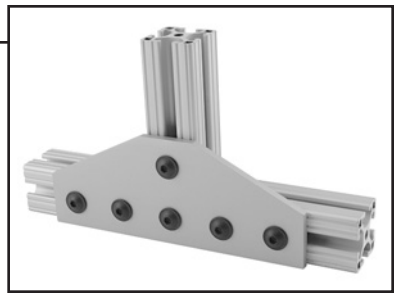
6 Hole Tee Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⛒	6	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

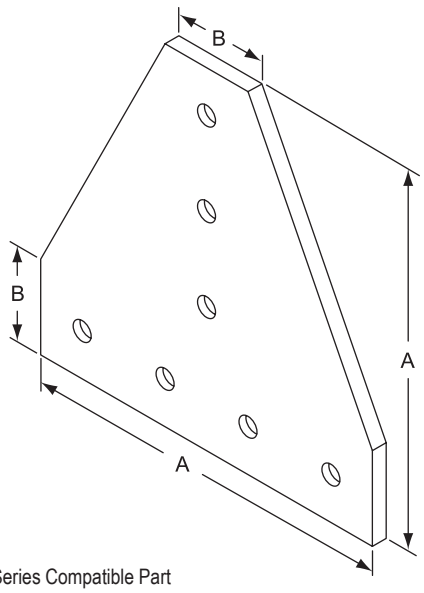
Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	6	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⛒ = 10 Series Compatible Part

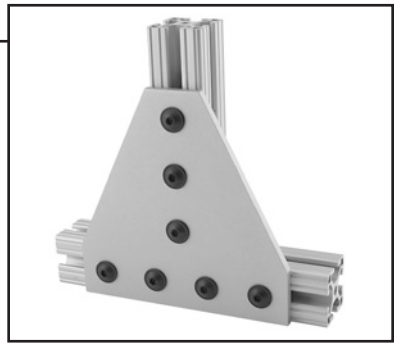
Part No.	A	B	C	Lbs.
4123 ⛒	5.000	1.000	2.000	.140
4310	7.500	1.500	3.000	.425

7 Hole Tee Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⛒	7	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

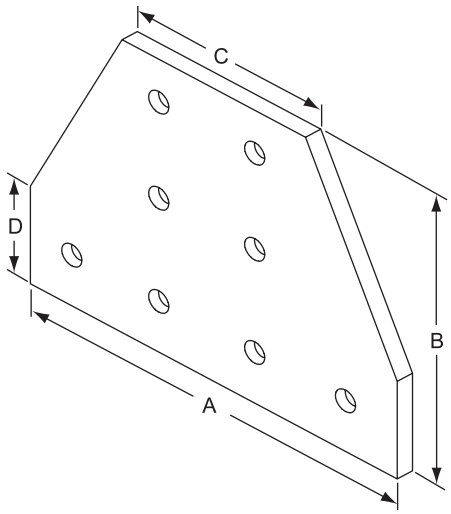
Part No.	Qty	Description
3320	7	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	7	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⛒ = 10 Series Compatible Part

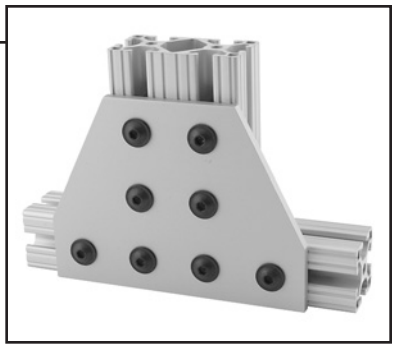
Part No.	A	B	Lbs.
4112 ⛒	4.000	1.000	.200
4312	6.000	1.500	.615

8 Hole Tee Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⌘	8	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

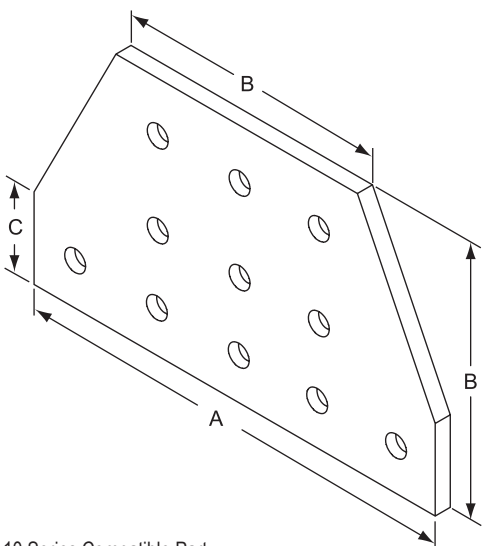
Part No.	Qty	Description
3320	8	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	8	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⌘ = 10 Series Compatible Part

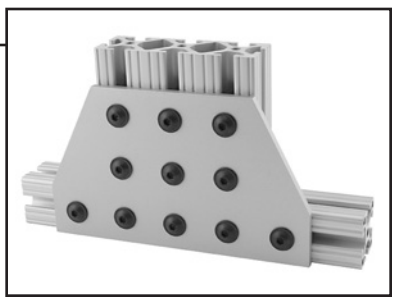
Part No.	A	B	C	D	Lbs.
4155 ⌘	4.000	3.000	2.000	1.000	.170
4355	6.000	4.500	3.000	1.500	.525

11 Hole Tee Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⌘	11	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	11	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	11	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⌘ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4021 ⌘	5.000	3.000	1.000	.225
4421	7.500	4.500	1.500	.685

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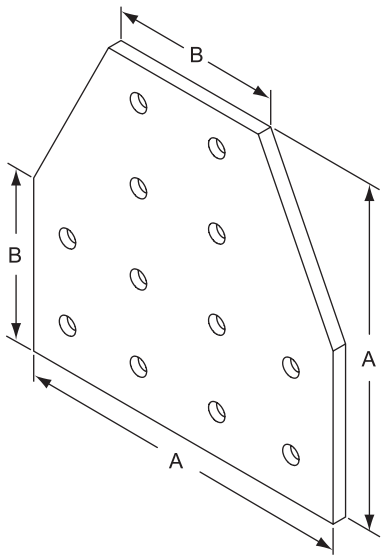
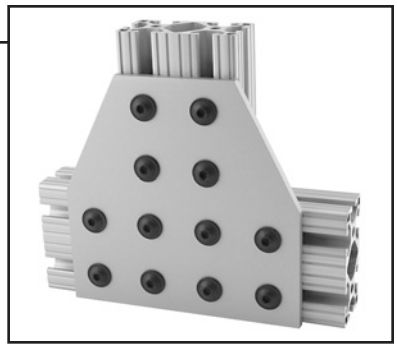
12 Hole Tee Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	12	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

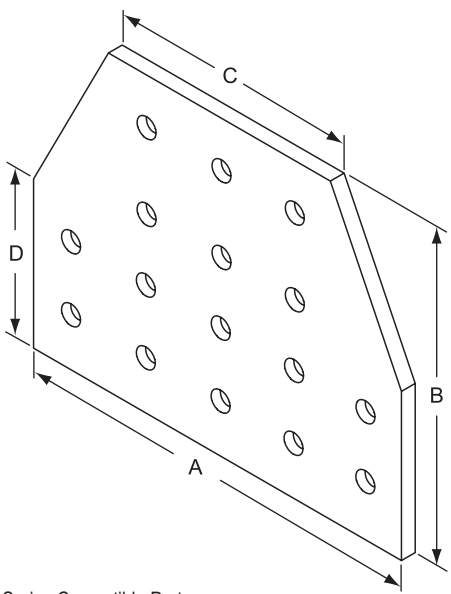
Part No.	Qty	Description
3320	12	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	12	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

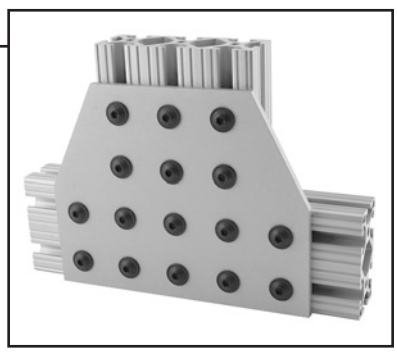
Part No.	A	B	Lbs.
4125 ⊠	4.000	2.000	.240
4325	6.000	3.000	.715

16 Hole Tee Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	16	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	16	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	16	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	Lbs.
4022 ⊠	5.000	4.000	3.000	2.000	.300
4422	7.500	6.000	4.500	3.000	.930

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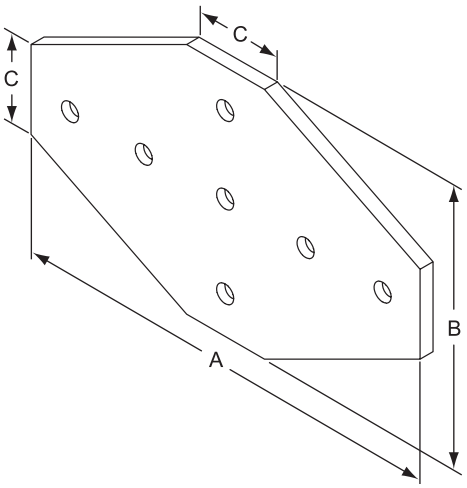
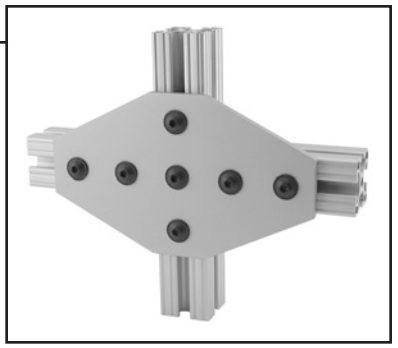
7 Hole Cross Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	7	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	7	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	7	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

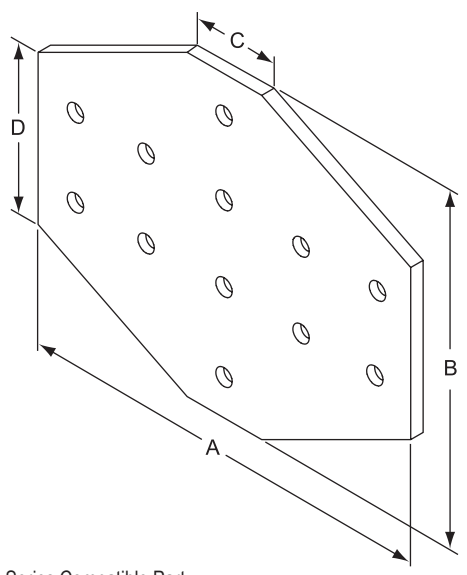
For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4135 ⊠	5.000	3.000	1.000	.200
4335	7.500	4.500	1.500	.585

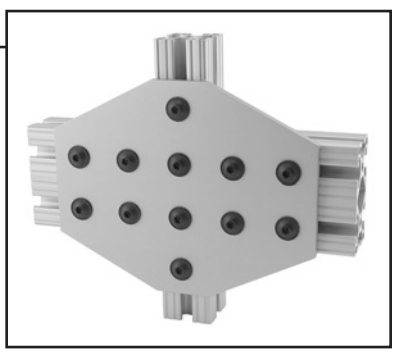
4

12 Hole Cross Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	12	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	12	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	12	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	Lbs.
4160 ⊠	5.000	4.000	1.000	2.000	.280
4360	7.500	6.000	1.500	3.000	.840

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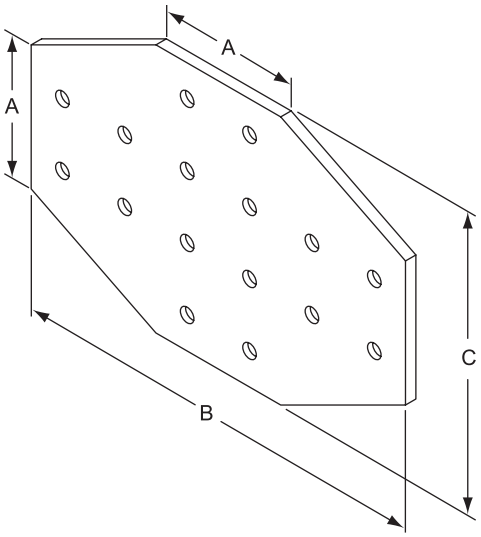
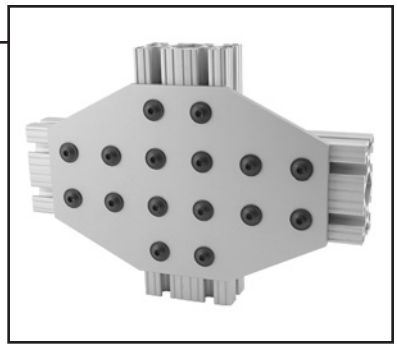
16 Hole Cross Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	16	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

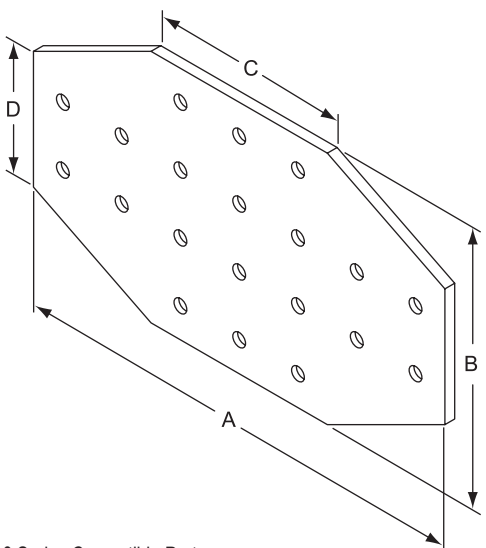
Part No.	Qty	Description
3320	16	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	16	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

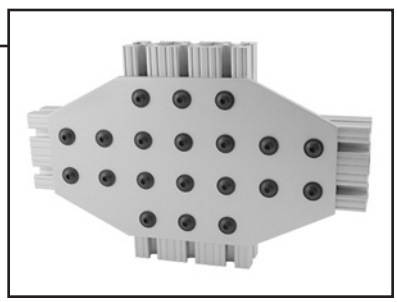
Part No.	A	B	C	Lbs.
4170 ⊠	2.000	6.000	4.000	.350
4370	3.000	9.000	6.000	1.030

20 Hole Cross Joining Plate



Page 268

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	20	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	20	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	20	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	Lbs.
4023 ⊠	7.000	4.000	3.000	2.000	.401
4423	10.500	6.000	4.500	3.000	1.295

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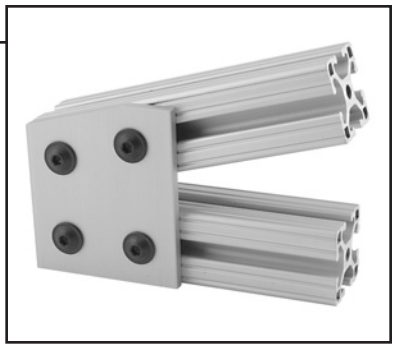
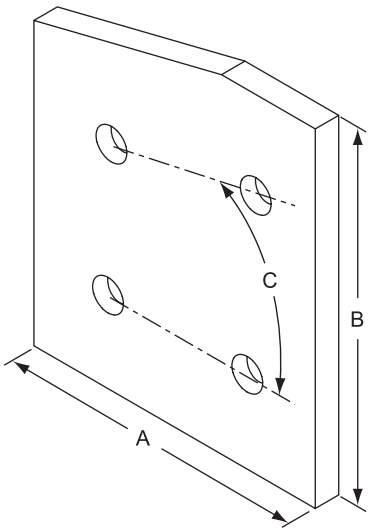
4 Hole 15° Angle Joining Plate

Page 268





10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	4	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	4	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

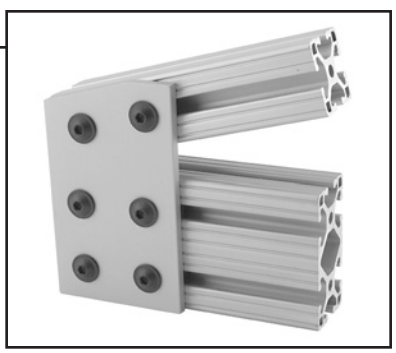
For more 15 Series mounting hardware options, see Table C on page 265.

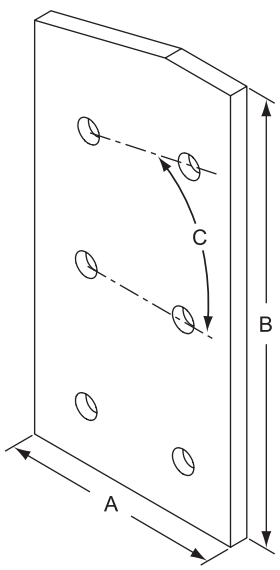
⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4110 ⊠	2.000	2.250	15°	.082
4316	3.000	3.500	15°	.235

6 Hole 15° Angle Joining Plate

Page 268





15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	6	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

Part No.	A	B	C	Lbs.
4315	3.000	5.000	15°	.340

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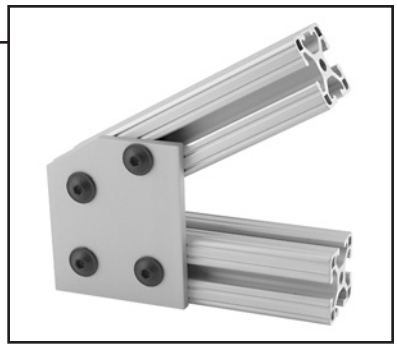
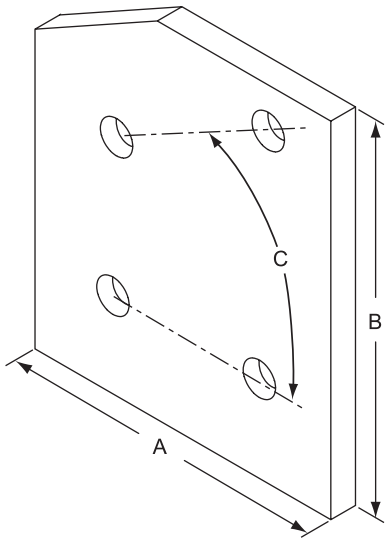
4 Hole 30° Angle Joining Plate

Page 268





10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	4	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	4	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

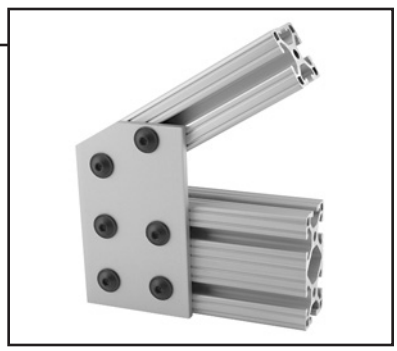
For more 15 Series mounting hardware options, see Table C on page 265.

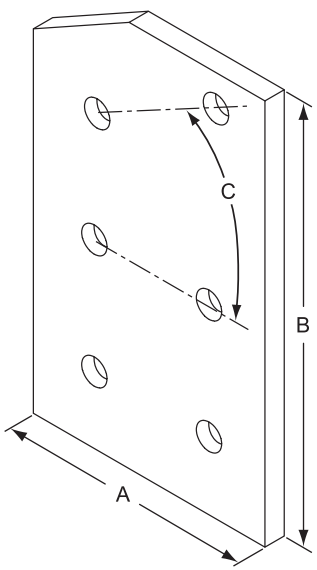
⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4143 ⊠	2.000	2.500	30°	.088
4331	3.000	3.500	30°	.235

6 Hole 30° Angle Joining Plate

Page 268





15 Series Recommended Mounting Hardware:

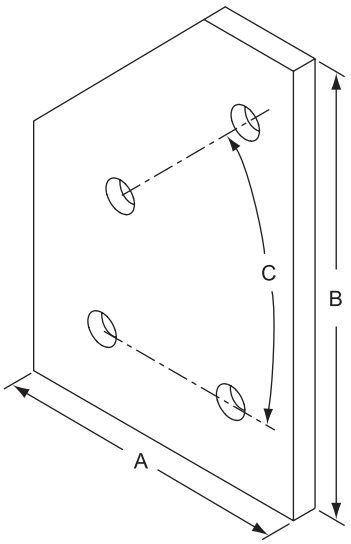
Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	6	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

Part No.	A	B	C	Lbs.
4330	3.000	5.000	30°	.340

4 Hole 45° Angle Joining Plate

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	4	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	4	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

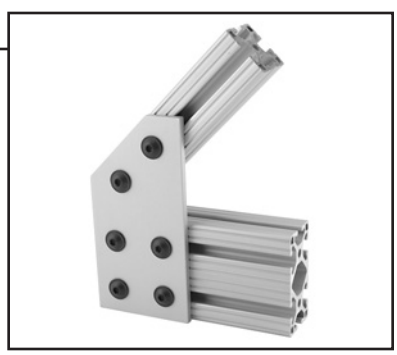
For more 15 Series mounting hardware options, see Table C on page 265.

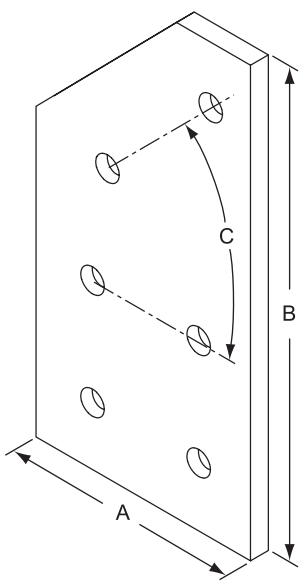
⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4145 ⊠	2.000	2.750	45°	.094
4346	3.000	4.500	45°	.275

6 Hole 45° Angle Joining Plate

Page 268





15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	6	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

Part No.	A	B	C	Lbs.
4345	3.000	6.000	45°	.380

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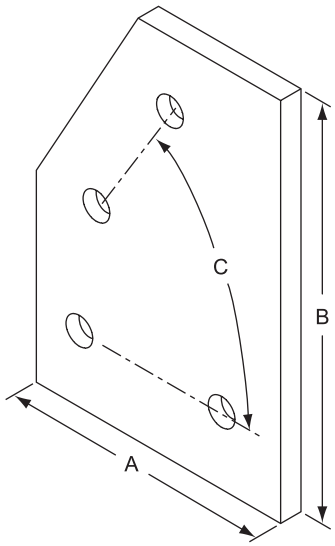
4 Hole 60° Angle Joining Plate

Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⌘	4	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	4	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

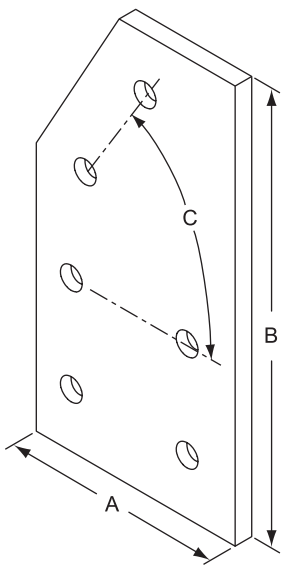
For more 15 Series mounting hardware options, see Table C on page 265.

⌘ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4164 ⌘	2.000	3.000	60°	.100
4361	3.000	4.500	60°	.285

6 Hole 60° Angle Joining Plate

Page 268



15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	6	5/16-18 x 11/16" FBHSCS & Econ T-Nut
OR		
3325	6	5/16-18 x 3/4" Econ. T-Slot Stud, Washer, Hex Nut

For more 15 Series mounting hardware options, see Table C on page 265.

Part No.	A	B	C	Lbs.
4362	3.000	6.000	60°	.390

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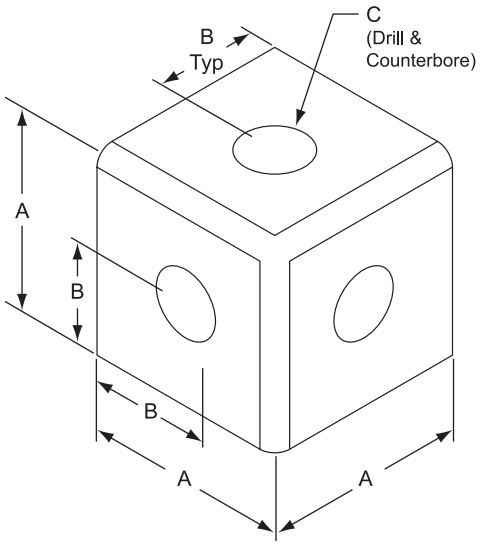
Squared Tri-Corner Connector



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3017 ⊠	3	1/4-20 x 1" Low Head Socket Cap Screw

15 Series Recommended Mounting Hardware:

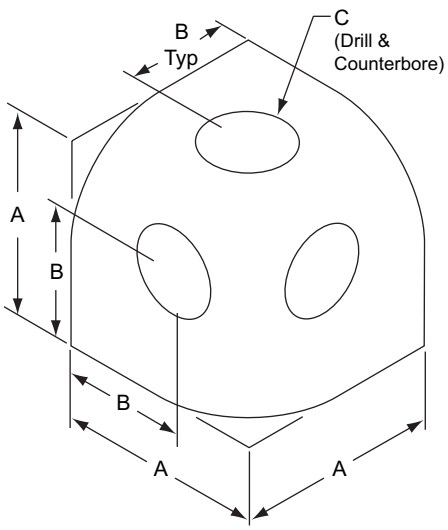
Part No.	Qty	Description
3018	3	5/16-18 x 1 1/4" Low Head Socket Cap Screw

⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4042 ⊠	1.000	.500	1/4-20 LHSCS	.085
4442	1.500	.750	5/16-18 LHSCS	.131

4

Rounded Tri-Corner Connector



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3017 ⊠	3	1/4-20 x 1" Low Head Socket Cap Screw

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3018	3	5/16-18 x 1 1/4" Low Head Socket Cap Screw

⊠ = 10 Series Compatible Part

Part No.	A	B	C	Lbs.
4041 ⊠	1.000	.500	1/4-20 LHSCS	.085
4441	1.500	.750	5/16-18 LHSCS	.131

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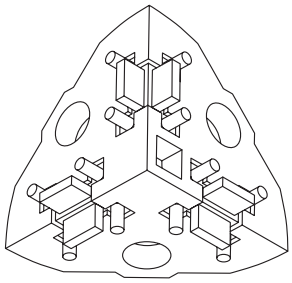
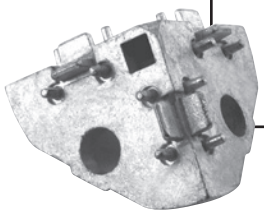
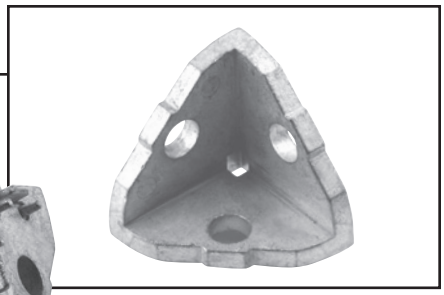
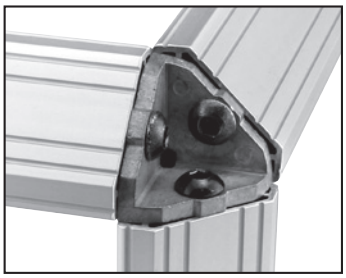
3-Way Corner Bracket

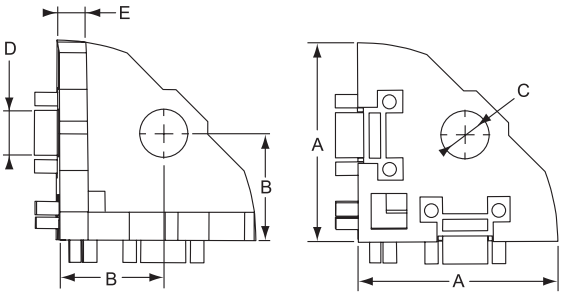
Die Cast Zinc, Natural Finish











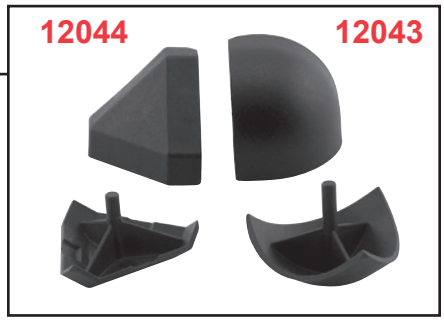
Recommended Mounting Hardware:

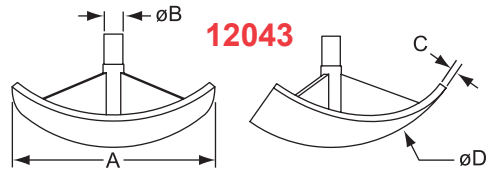
Part No.	Series	Qty	Description
3114	15	3	5/16-18 x 3/4 BHSCS

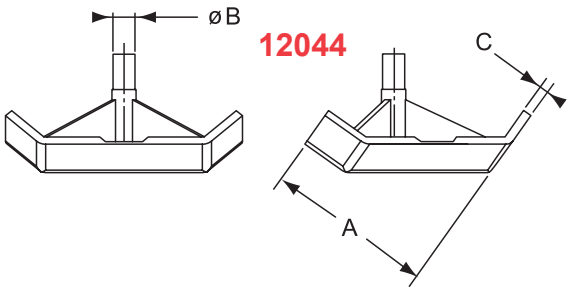
Part No.	A	B	C	D (Slot Tab)	E	Lbs.	Compatibility Code*
14113	1.397	.748	.338	.315	.197	.148	8-15 (1547 Profile)

Cover Caps for 3-Way Corner Bracket

Fiberglass Reinforced Nylon, Black



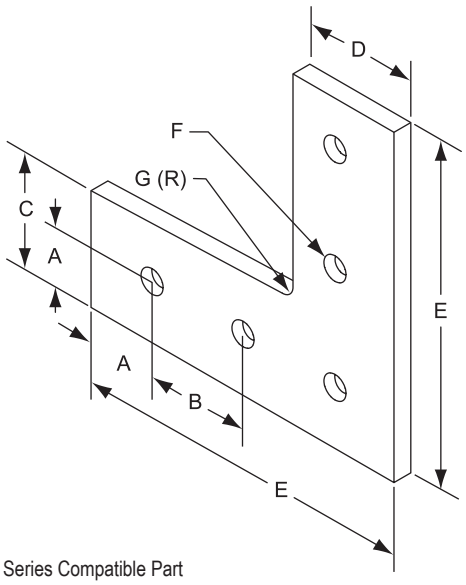




Part No.	A	B	C	D	Lbs.	Fits On	Compatibility Code*
12044	1.49	.197	.079	N/A	.03	14113	8-15 (1547 Profile)
12043	2.02	.197	.079	76°	.02		

* See Compatibility Code information on page 152.

5 Hole "L" Joining Plate



Page 268
Page 268

10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	5	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

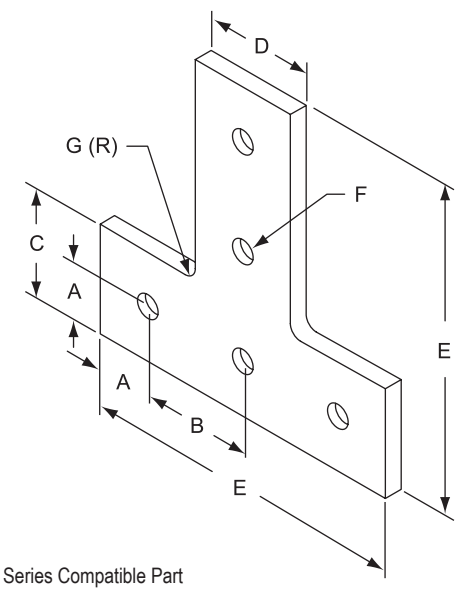
Part No.	Qty	Description
3320	5	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table C on page 265.

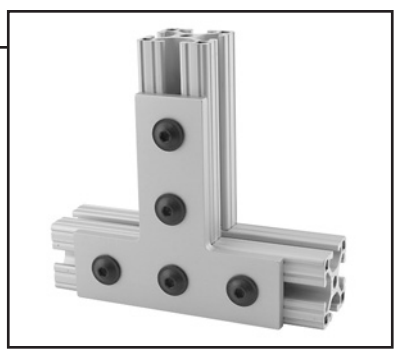
⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	G	Lbs.
4081 ⊠	.500	1.000	.970	.970	3.000	ø.257	.094	.096
4481	.750	1.500	1.460	1.460	4.500	ø.328	.125	.296

5 Hole Tee Joining Plate



Page 268
Page 268



10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3321 ⊠	5	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3320	5	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	G	Lbs.
4080 ⊠	.500	1.000	.970	.940	3.000	ø.257	.094	.096
4480	.750	1.500	1.460	1.420	4.500	ø.328	.125	.296

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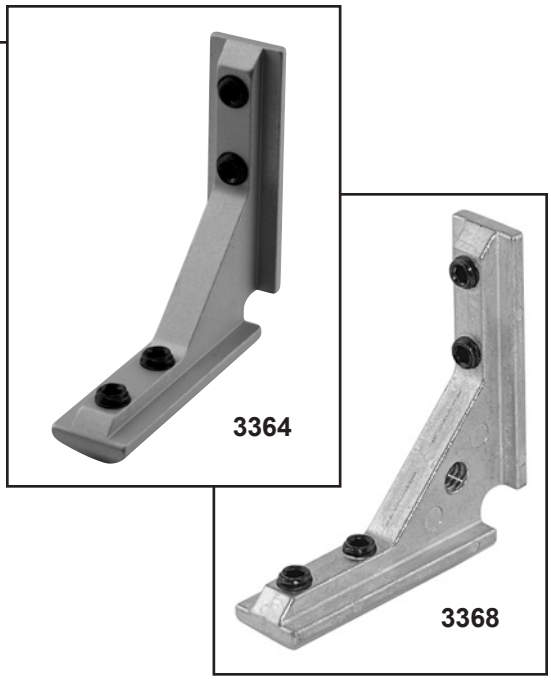
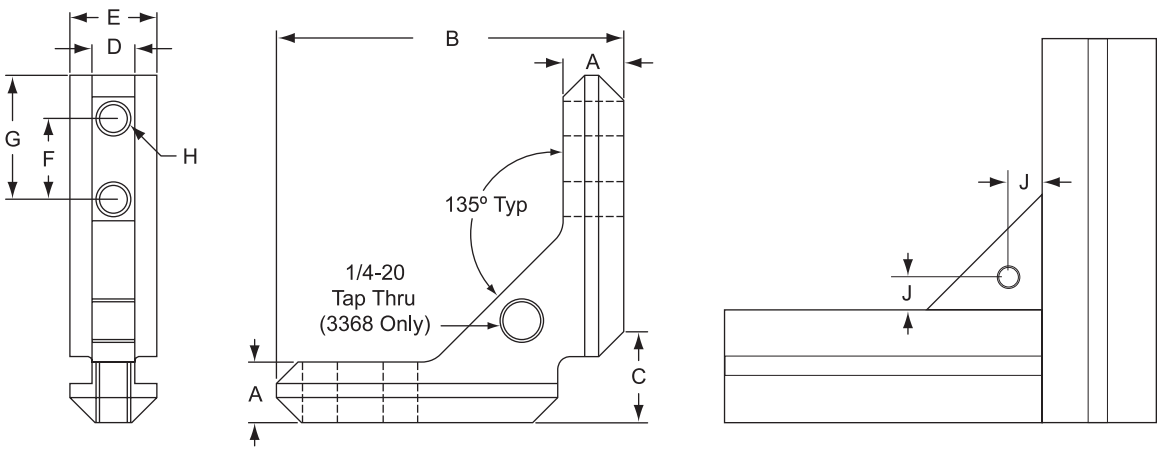
90° Inside Corner Connector

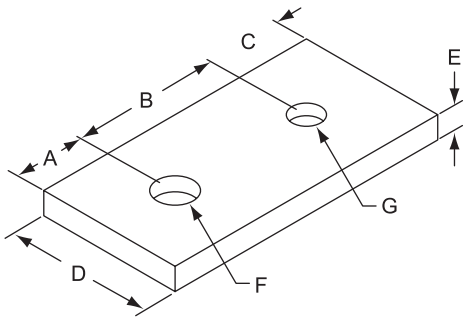
- 15 Series compatible
- Provides a strong internal 90º corner connection
- Four 1/4-20 x 1/2" set screws included for securing inside T-slotted profiles
- No machining required
- 3364 is made from 6105-T5 aluminum stock and has no panel mount hole
- 3368 is made from die-cast zinc and has a 1/4-20 panel mount hole

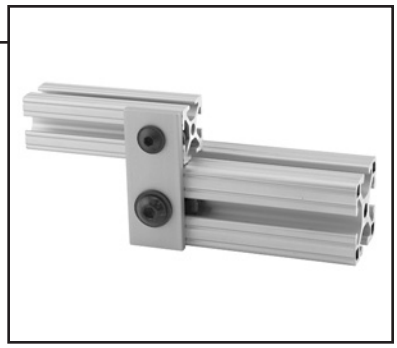




Part No.	Material	A	B	C	D	E	F	G	H	J	Lbs.
3364	Aluminum	.436	2.500	.655	.310	.625	.625	.937	1/4-20	N/A	.089
3368	Die Cast Zinc	.436	2.500	.655	.310	.625	.625	.937	1/4-20	.294	.020

2 Hole Transition Strip





Joins 10 Series to 15 Series T-Slotted Profiles

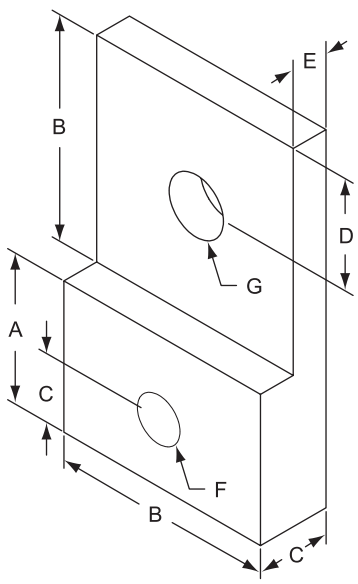
Recommended Mounting Hardware: ⊠ = 10 Series Compatible Part

Part No.	Qty	Description
3321 ⊠	1	1/4-20 x 1/2" FBHSCS & Econ T-Nut
AND		
3435	1	5/16-18 x 5/8" BHSCS, Washer & Econ T-Nut

Part No.	A	B	C	D	E	F	G	Lbs.
4510	.750	1.250	.500	1.000	.188	ø.328	ø.257	.030

4

2 Hole Transition Center Strip



Joins 10 Series to 15 Series T-Slotted Profiles

Recommended Mounting Hardware: ⊠ = 10 Series Compatible Part

Part No.	Qty	Description
3384 ⊠	1	1/4-20 x 3/4" FBHSCS & Econ T-Nut
AND		
3320	1	5/16-18 x 11/16" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	G	Lbs.
4521	1.000	1.500	.500	.750	.250	ø.257	ø.328	.045

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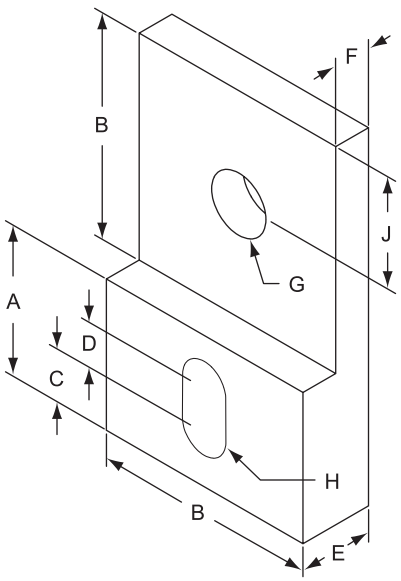
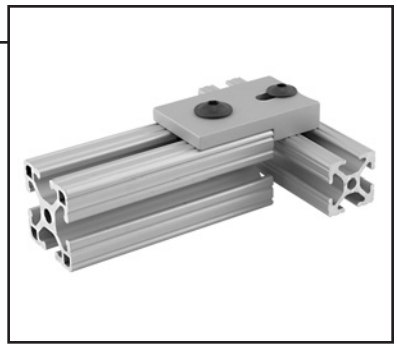
2 Hole Transition Slotted Center Strip





Joins 10 Series to 15 Series T-Slotted Profiles

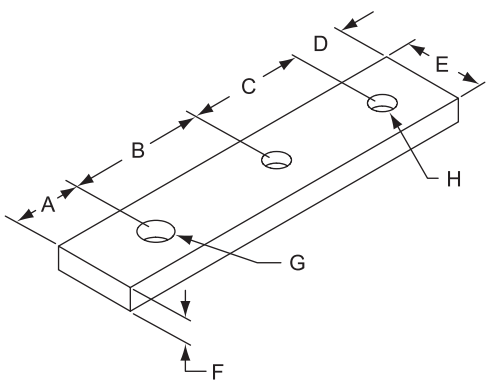
Recommended Mounting Hardware: ⌘ = 10 Series Compatible Part

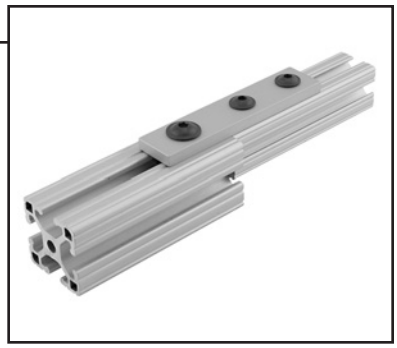
Part No.	Qty	Description
3384 ⌘	1	1/4-20 x 3/4" FBHSCS & Econ T-Nut
AND		
3320	1	5/16-18 x 11/16" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	G	H	J	Lbs.
4522	1.000	1.500	.312	.375	.500	.250	ø.328	ø.281	.750	.040

3 Hole Transition Strip

Page 268





Joins 10 Series to 15 Series T-Slotted Profiles

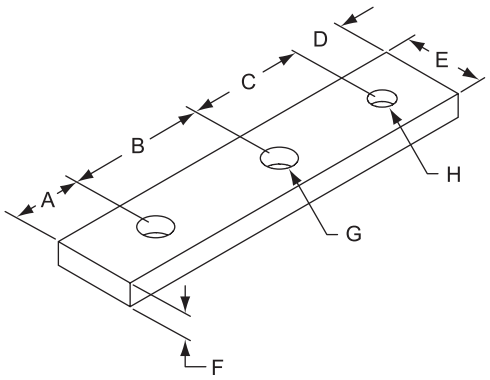
Recommended Mounting Hardware: ⌘ = 10 Series Compatible Part

Part No.	Qty	Description
3321 ⌘	2	1/4-20 x 1/2" FBHSCS & Econ T-Nut
AND		
3320	1	5/16-18 x 11/16" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	G	H	Lbs.
4506	.750	1.500	1.250	.500	.875	.250	ø.328	ø.257	.045

3 Hole Transition Strip

Page 268



Joins 10 Series to 15 Series T-Slotted Profiles

Recommended Mounting Hardware: ⊠ = 10 Series Compatible Part

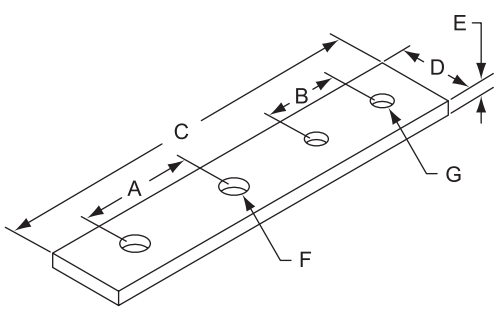
Part No.	Qty	Description
3321 ⊠	1	1/4-20 x 1/2" FBHSCS & Econ T-Nut
AND		
3320	2	5/16-18 x 11/16" FBHSCS & Econ T-Nut

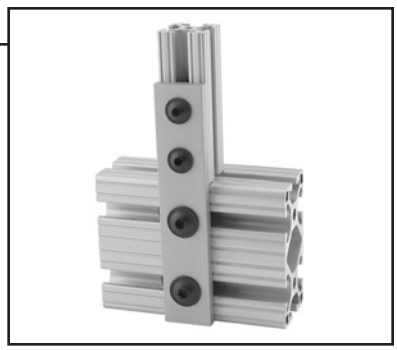
Part No.	A	B	C	D	E	F	G	H	Lbs.
4505	.750	1.500	1.250	.500	.875	.250	ø.328	ø.257	.045

4

4 Hole Transition Strip

Page 268





Joins 10 Series to 15 Series T-Slotted Profiles

Recommended Mounting Hardware: ⊠ = 10 Series Compatible Part

Part No.	Qty	Description
3321 ⊠	2	1/4-20 x 1/2" FBHSCS & Econ T-Nut
AND		
3320	2	5/16-18 x 11/16" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	G	Lbs.
4514	1.500	1.000	5.000	1.000	.250	ø.328	ø.257	.075

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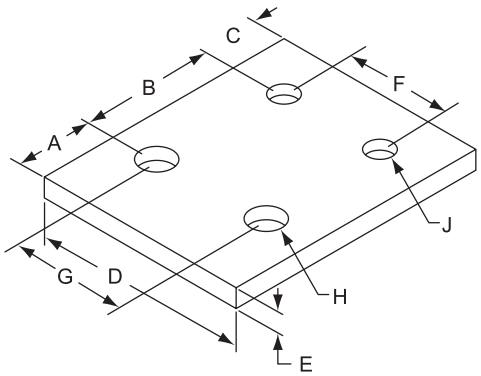
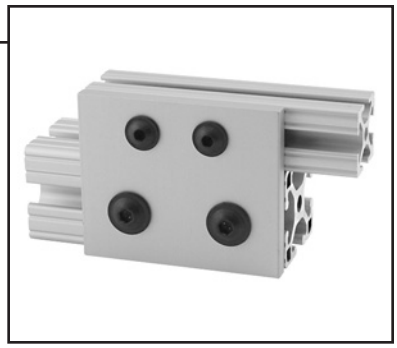
4 Hole Transition Plate

Page 268





Joins 10 Series to 15 Series T-Slotted Profiles

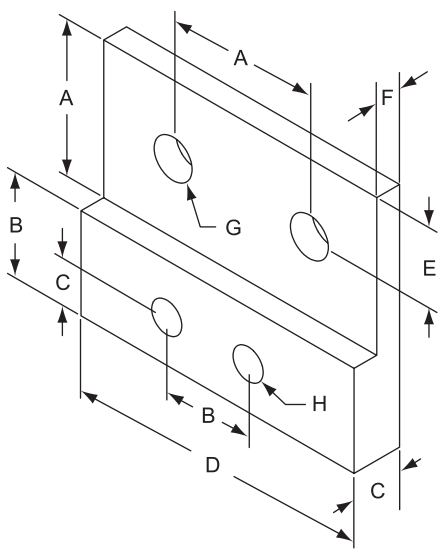
Recommended Mounting Hardware: ⊠ = 10 Series Compatible Part

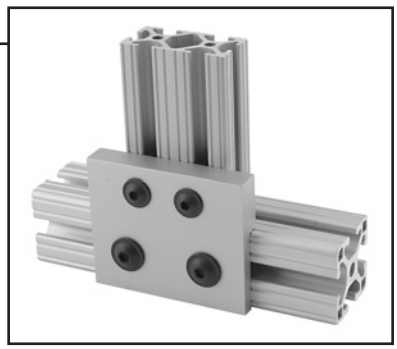
Part No.	Qty	Description
3321 ⊠	2	1/4-20 x 1/2" FBHSCS & Econ T-Nut
AND		
3320	2	5/16-18 x 11/16" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	G	H	J	Lbs.
4515	.750	1.250	.500	3.000	.250	1.000	1.500	ø.328	ø.257	.075

4 Hole Double Transition Plate

Page 268





Joins 10 Series to 15 Series T-Slotted Profiles

Recommended Mounting Hardware: ⊠ = 10 Series Compatible Part

Part No.	Qty	Description
3384 ⊠	2	1/4-20 x 3/4" FBHSCS & Econ T-Nut
AND		
3320	2	5/16-18 x 11/16" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	G	H	Lbs.
4523	1.500	1.000	.500	3.000	.750	.250	ø.328	ø.257	.090

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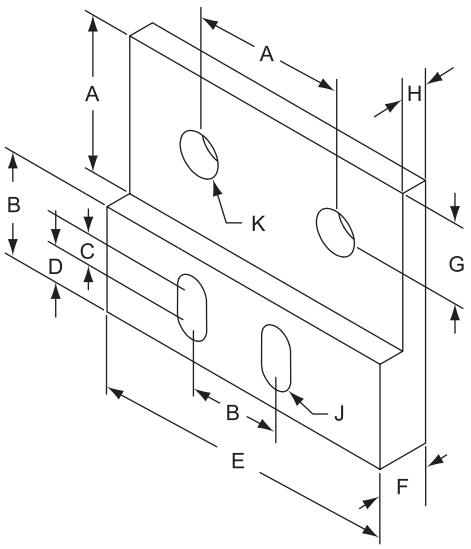
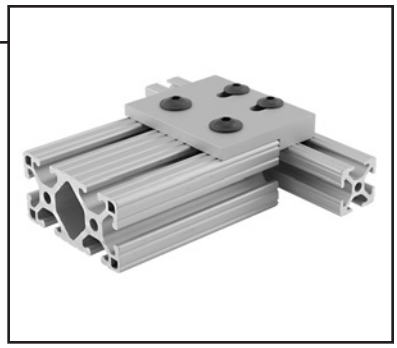
4 Hole Double Slotted Transition Plate

Page 268





Joins 10 Series to 15 Series T-Slotted Profiles

Recommended Mounting Hardware: ⊠ = 10 Series Compatible Part

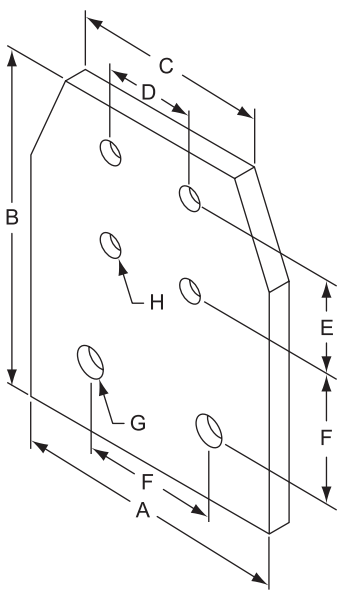
Part No.	Qty	Description
3384 ⊠	2	1/4-20 x 3/4" FBHSCS & Econ T-Nut
AND		
3320	2	5/16-18 x 11/16" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	G	H	J	K	Lbs.
4524	1.500	1.000	.375	.312	3.000	.500	.750	.250	ø.281	ø.328	.085

4

6 Hole Transition Plate

Page 268



Joins 10 Series to 15 Series T-Slotted Profiles

Recommended Mounting Hardware: ⊠ = 10 Series Compatible Part

Part No.	Qty	Description
3321 ⊠	4	1/4-20 x 1/2" FBHSCS & Econ T-Nut
AND		
3320	2	5/16-18 x 11/16" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	G	H	Lbs.
4519	3.000	4.000	2.000	1.000	1.250	1.500	ø.328	ø.257	.105

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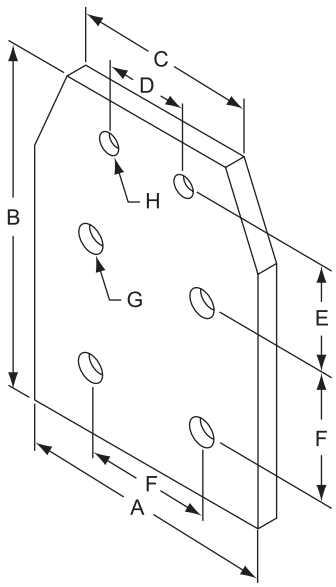
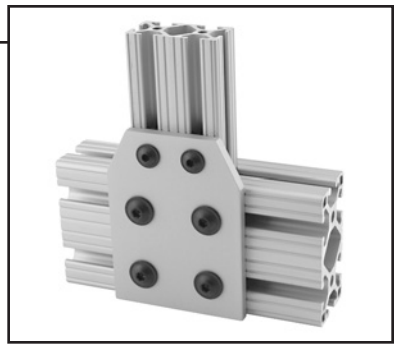
6 Hole Transition Plate



Page 268



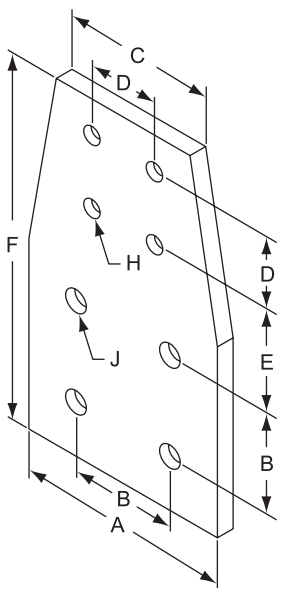
Joins 10 Series to 15 Series T-Slotted Profiles

Recommended Mounting Hardware: ⊠ = 10 Series Compatible Part

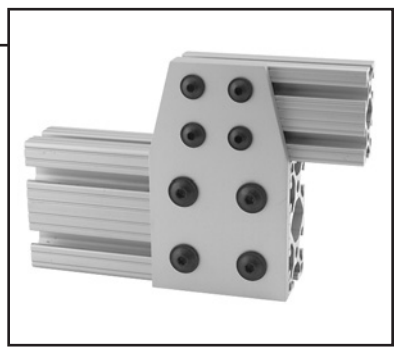
Part No.	Qty	Description
3321 ⊠	2	1/4-20 x 1/2" FBHSCS & Econ T-Nut
AND		
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	G	H	Lbs.
4520	3.000	4.000	2.000	1.000	1.250	1.500	ø.328	ø.257	.105

8 Hole Transition Plate



Page 268



Joins 10 Series to 15 Series T-Slotted Profiles

Recommended Mounting Hardware: ⊠ = 10 Series Compatible Part

Part No.	Qty	Description
3321 ⊠	4	1/4-20 x 1/2" FBHSCS & Econ T-Nut
AND		
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	H	J	Lbs.
4518	3.000	1.500	2.000	1.000	1.250	5.000	ø.257	ø.328	.180

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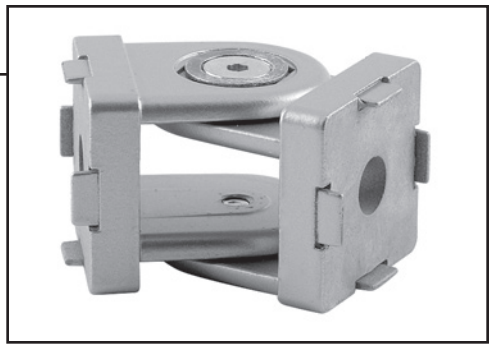
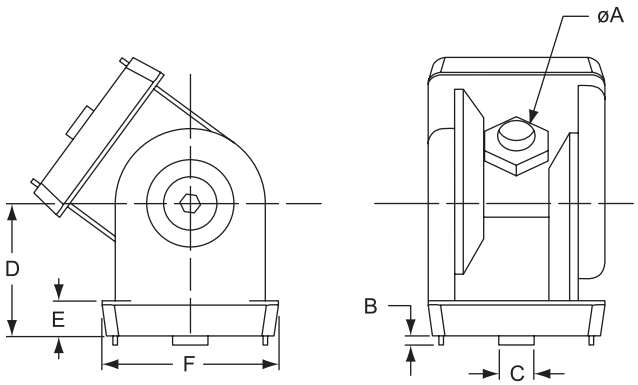
Pivot Joint

Die Cast Zinc, Powder Coat Aluminum Color



- **Screws on the arms can be adjusted for movement or fixing in one position**
- **Slot tabs can be removed for mounting to the T-slot**
- **See Compatibility Code for series availability**



Part No.	A	B	C (Slot Tab)	D	E	F	Lbs.	Compatibility Code*
14011	.260	.098	.236	.886	.275	.984	.26	6-10
14017	.327	.078	.315	1.181	.315	1.49	.71	8-15

Recommended Mounting Hardware (to profile ends):

Part No.	Qty	Description	Compatibility Code*
3064	2	1/4-20 x 3/4 SHCS	6-10
3122	2	5/16 x 18 x 1.0 SHCS	8-15

Recommended Mounting Hardware (to T-slots):

Part No.	Qty	Description	Compatibility Code*
3491	2	1/4-20 x 1/2 SHCS & Econ. Slide-In T-nut	6-10
3456	2	5/16-18 x 5/8 SHCS & Slide-In T-nut	8-15

* See Compatibility Code information on page 640.

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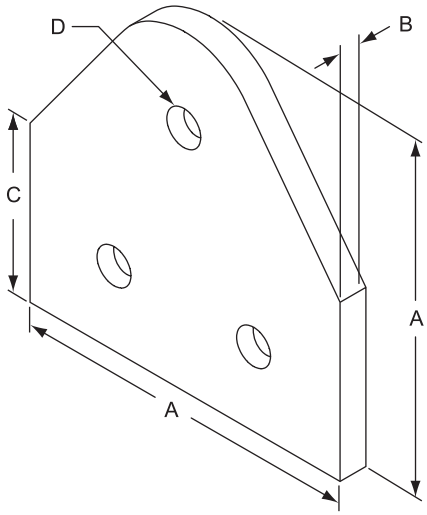
3 Hole Pivot Plate



Page 268

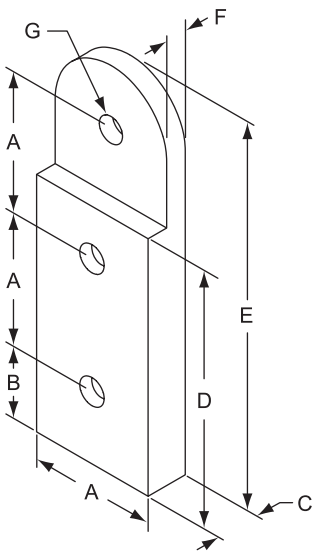
Recommended Mounting Hardware:

Part No.	Qty	Description
3320	3	5/16-18 x 11/16" FBHSCS & Econ T-Nut

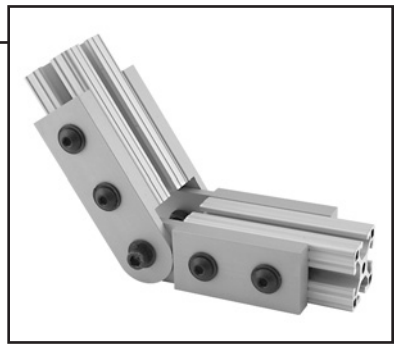
For more 15 Series mounting hardware options, see Table C on page 265.

Part No.	A	B	C	D	Lbs.
4372	3.000	.250	1.500	ø.328	.170

3 Hole Pivot Plate



Page 268



Recommended Mounting Hardware to Mount to Profile:

Part No.	Qty	Description
3443	2	5/16-18 x 1" BHSCS, Washer & Econ T-Nut

Recommended Mounting Hardware for Pivot:

Part No.	Qty	Description
3446	1	5/16-18 x 7/8" SHCS, Washer & Hex Nut

For more mounting hardware options, see Table D on page 266.

Part No.	A	B	C	D	E	F	G	Lbs.
4390	1.500	.750	.500	3.000	4.500	.250	ø.328	.260

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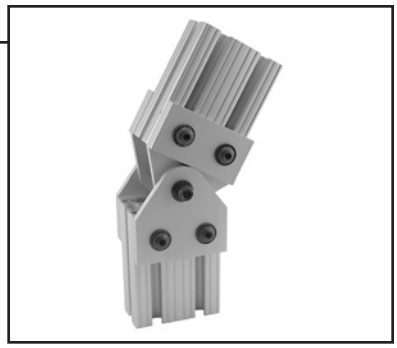
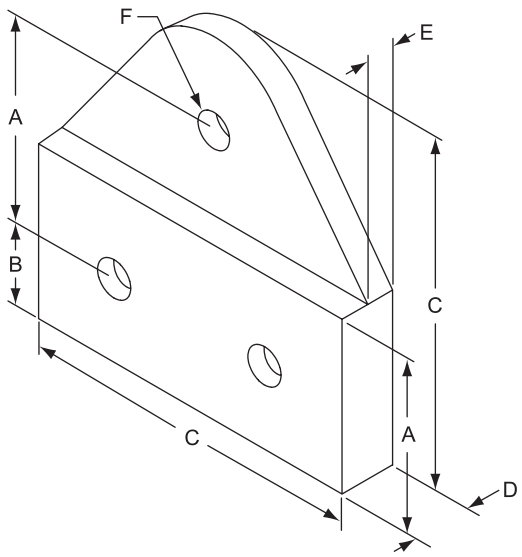
3 Hole Pivot Plate

Page 268





Recommended Mounting Hardware to Mount to Profile:

Part No.	Qty	Description
3443	2	5/16-18 x 1" BHSCS, Washer & Econ T-Nut

Recommended Mounting Hardware for Pivot:

Part No.	Qty	Description
3446	1	5/16-18 x 7/8" SHCS, Washer & Hex Nut

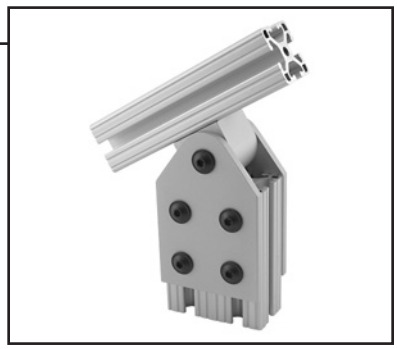
For more mounting hardware options, see Table D on page 266.

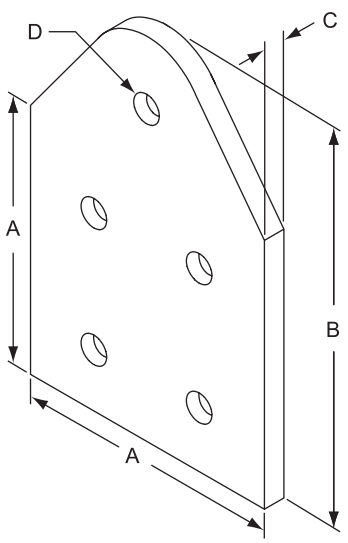
Part No.	A	B	C	D	E	F	Lbs.
4392	1.500	.750	3.000	.500	.250	ø.328	.275

4

5 Hole Pivot Plate

Page 268





Recommended Mounting Hardware: (to Pivot Nub)

Part No.	Qty	Description
3330	1	5/16-18 x 11/16" FBHSCS

Recommended Mounting Hardware: (to Profile)

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table C on page 265.

Part No.	A	B	C	D	Lbs.
4371	3.000	4.500	.250	ø.328	.280

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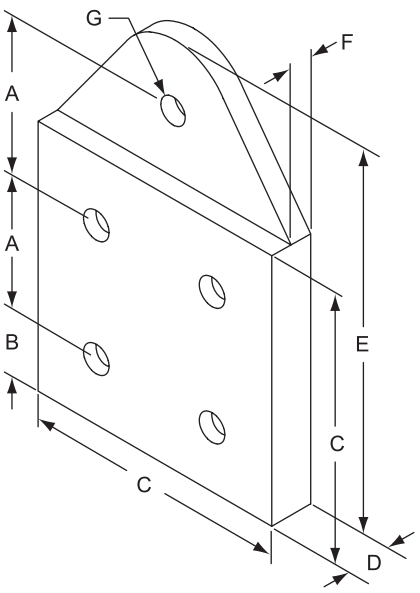
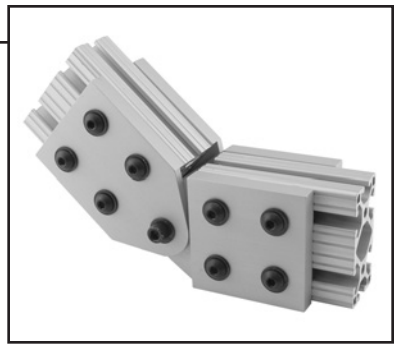
5 Hole Pivot Plate

Page 268





Recommended Mounting Hardware to Mount to Profile:

Part No.	Qty	Description
3443	4	5/16-18 x 1" BHSCS, Washer & Econ T-Nut

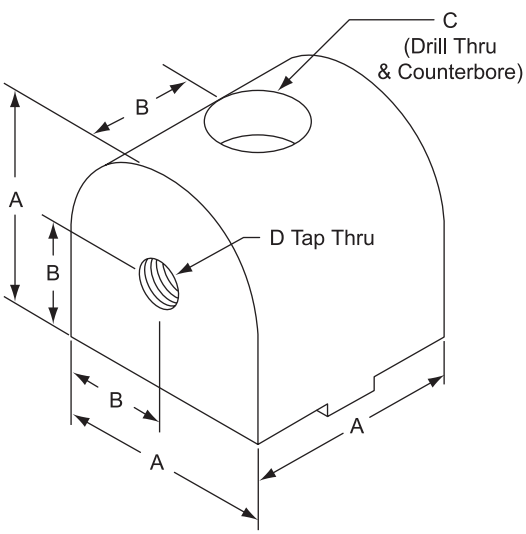
Recommended Mounting Hardware for Pivot:

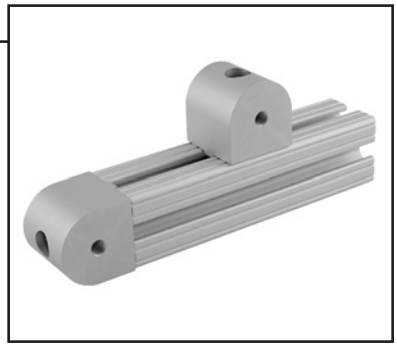
Part No.	Qty	Description
3446	1	5/16-18 x 7/8" SHCS, Washer & Hex Nut

For more mounting hardware options, see Table D on page 266.

Part No.	A	B	C	D	E	F	G	Lbs.
4394	1.500	.750	3.000	.500	4.500	.250	ø.328	.485

0° Pivot Nub





Included Mounting Hardware (Mount Nub to Profile)

Series	Qty	Description
10 ⊠	1	1/4-20 x 1" SHCS & Economy T-Nut
15	1	5/16-18 x 1.5" SHCS & Economy T-Nut

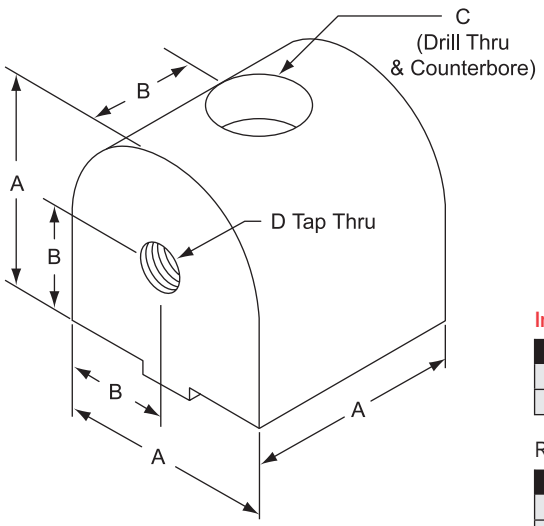
Recommended Pivot Mounting Hardware (Arms to Nub)

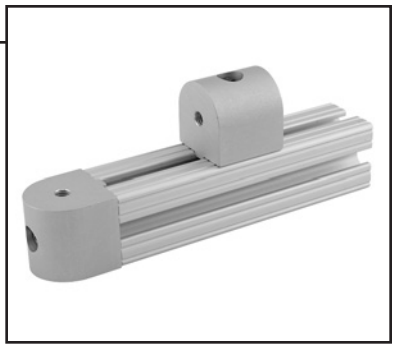
Part No.	Qty	Description
3342 ⊠	2	1/4-20 x 1/2" FBHSCS
3330	2	5/16-18 x 11/16" FBHSCS

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	Lbs.
4187 ⊠	1.000	.500	1/4-20 SHCS	1/4-20 Tap	.075
4387	1.500	.750	5/16-18 SHCS	5/16-18 Tap	.325

90° Pivot Nub





Included Mounting Hardware (Mount Nub to Profile)

Series	Qty	Description
10 ⊠	1	1/4-20 x 1" SHCS & Economy T-Nut
15	1	5/16-18 x 1.5" SHCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Arms to Nub)

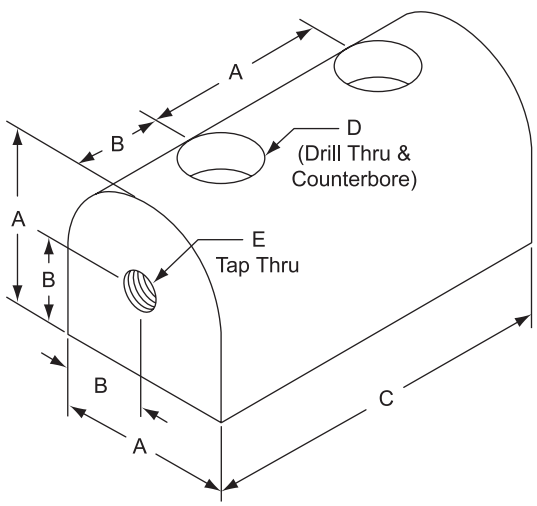
Part No.	Qty	Description
3342 ⊠	2	1/4-20 x 1/2" FBHSCS
3330	2	5/16-18 x 11/16" FBHSCS

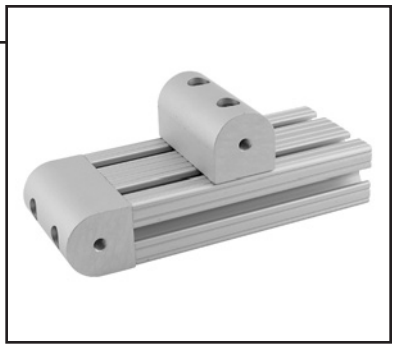
⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	Lbs.
4188 ⊠	1.000	.500	1/4-20 SHCS	1/4-20 Tap	.075
4388	1.500	.750	5/16-18 SHCS	5/16-18 Tap	.325

4

Universal Pivot Nub





Included Mounting Hardware (Mount Nub to Profile)

Series	Qty	Description
10 ⊠	2	1/4-20 x 1" SHCS & Economy T-Nut
15	2	5/16-18 x 1.5" SHCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Arms to Nub)

Part No.	Qty	Description
3342 ⊠	2	1/4-20 x 1/2" FBHSCS
3330	2	5/16-18 x 11/16" FBHSCS

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	Lbs.
4186 ⊠	1.000	.500	2.000	1/4-20 SHCS	1/4-20 Tap	.150
4386	1.500	.750	3.000	5/16-18 SHCS	5/16-18 Tap	.650

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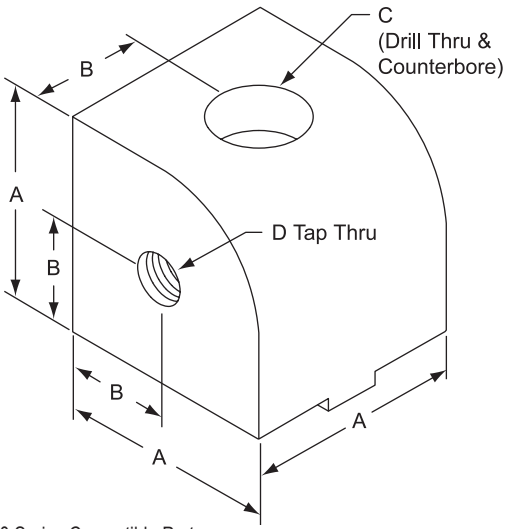
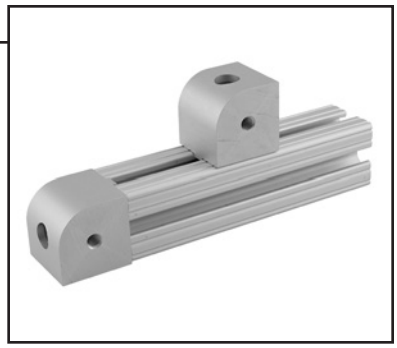
0° Right Angle Pivot Nub





Included Mounting Hardware (Mount Nub to Profile)

Series	Qty	Description
10 ⊠	1	1/4-20 x 1" SHCS & Economy T-Nut
15	1	5/16-18 x 1.5" SHCS & Economy T-Nut

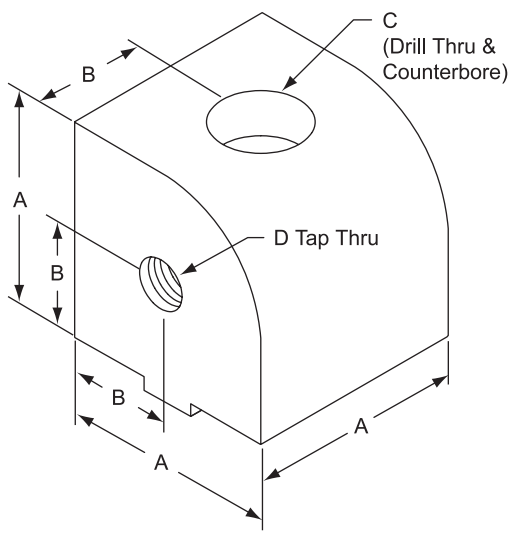
Recommended Pivot Mounting Hardware (Arms to Nub)

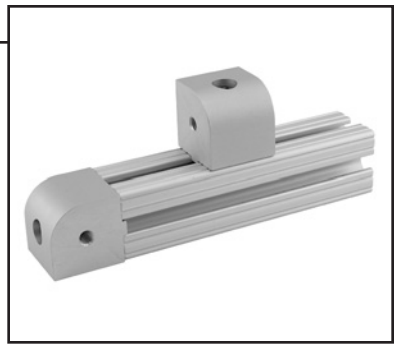
Part No.	Qty	Description
3342 ⊠	2	1/4-20 x 1/2" FBHSCS
3330	2	5/16-18 x 11/16" FBHSCS

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	Lbs.
4001 ⊠	1.000	.500	1/4-20 SHCS	1/4-20 Tap	.079
4401	1.500	.750	5/16-18 SHCS	5/16-18 Tap	.342

90° Right Angle Pivot Nub





Included Mounting Hardware (Mount Nub to Profile)

Series	Qty	Description
10 ⊠	1	1/4-20 x 1" SHCS & Economy T-Nut
15	1	5/16-18 x 1.5" SHCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Arms to Nub)

Part No.	Qty	Description
3342 ⊠	2	1/4-20 x 1/2" FBHSCS
3330	2	5/16-18 x 11/16" FBHSCS

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	Lbs.
4002 ⊠	1.000	.500	1/4-20 SHCS	1/4-20 Tap	.079
4402	1.500	.750	5/16-18 SHCS	5/16-18 Tap	.342

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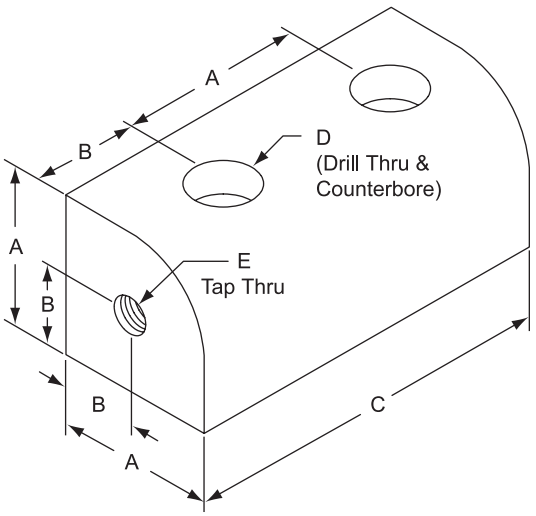
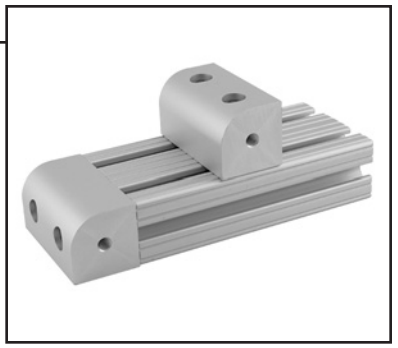
Universal Right Angle Pivot Nub





Included Mounting Hardware (Mount Nub to Profile)

Series	Qty	Description
10 ⊠	2	1/4-20 x 1" SHCS & Economy T-Nut
15	2	5/16-18 x 1.5" SHCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Arms to Nub)

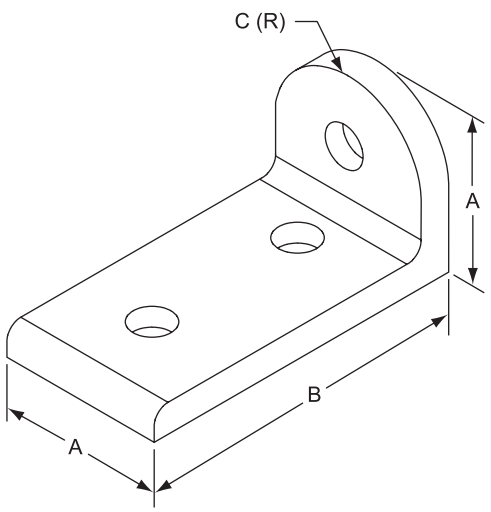
Part No.	Qty	Description
3342 ⊠	2	1/4-20 x 1/2" FBHSCS
3330	2	5/16-18 x 11/16" FBHSCS

⊠ = 10 Series Compatible Part

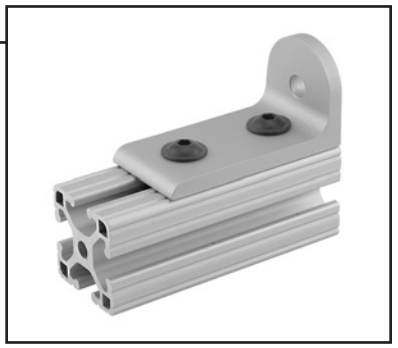
Part No.	A	B	C	D	E	Lbs.
4003 ⊠	1.000	.500	2.000	1/4-20 SHCS	1/4-20 Tap	.150
4403	1.500	.750	3.000	5/16-18 SHCS	5/16-18 Tap	.684

4

"L" Pivot Arm



Page 268



10 Series Recommended Mounting Hardware for Arms:

Part No.	Qty	Description
3393 ⊠	3	1/4-20 x 1/2" BHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware for Arms:

Part No.	Qty	Description
3320	3	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table N on page 268.

⊠ = 10 Series Compatible Part

Part No.	A	B	C (R)	Lbs.
4149 ⊠	1.000	2.000	.500	.045
4349	1.500	3.000	.750	.145

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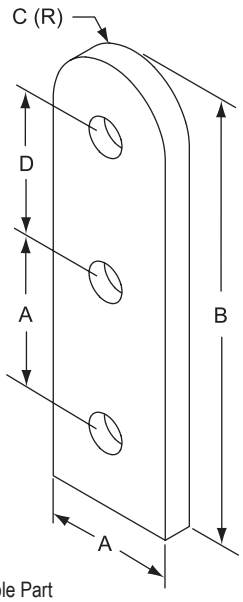
3" Pivot Arm/4.5" Pivot Arm



Page 268

10 Series Recommended Mounting Hardware for Arms:

Part No.	Qty	Description
3321 ⊠	3	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware for Arms:

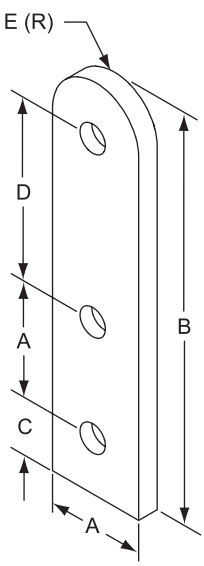
Part No.	Qty	Description
3320	3	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table C on page 265.

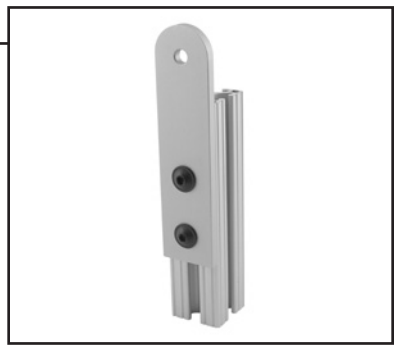
⊠ = 10 Series Compatible Part

Part No.	A	B	C (R)	D	Lbs.
4196 ⊠	1.000	3.000	.500	1.000	.050
4396	1.500	4.500	.750	1.500	.150

4" Pivot Arm/6" Pivot Arm



Page 268



10 Series Recommended Mounting Hardware for Arms:

Part No.	Qty	Description
3321 ⊠	3	1/4-20 x 1/2" FBHSCS & Econ T-Nut

For more 10 Series mounting hardware options, see Table G on page 266.

15 Series Recommended Mounting Hardware for Arms:

Part No.	Qty	Description
3320	3	5/16-18 x 11/16" FBHSCS & Econ T-Nut

For more 15 Series mounting hardware options, see Table C on page 265.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E (R)	Lbs.
4199 ⊠	1.000	4.000	.500	2.000	.500	.090
4399	1.500	6.000	.750	3.000	.750	.210

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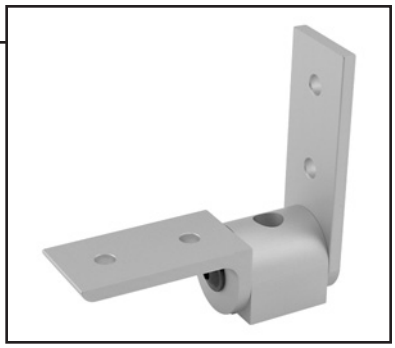
Standard Pivot Nub Assemblies – 10 Series

Page 268



Included Mounting Hardware (Nub to Profile)

Part No.	Qty	Description
3306	1 or 2	1/4-20 x 1" SHCS & Economy T-Nut

Included Mounting Hardware (Nub to Arms)

Part No.	Qty	Description
3342	2	1/4-20 x 1/2" FBHSCS

Recommended Pivot Mounting Hardware (Arms to Profile):

Part No.	Qty	Description
3393	4	1/4-20 x 1/2" BHSCS & Econ T-Nut

Assembly Part No.	Individual Part No. 4187 — 0° Nub (Page 321)	4188 — 90° Nub (Page 322)	4186 — Universal Nub (Page 322)	4196 — 3" Arm (Page 325)	4149 — "L" Arm (Page 324)
4197 .190 Lbs.	1			2	
4198 .190 Lbs.		1		2	
4195 .265 Lbs.			1	2	
4153 .185 Lbs.	1				2
4154 .185 Lbs.		1			2
4156 .265 Lbs.			1		2
4157 .190 Lbs.	1			1	1
4158 .190 Lbs.		1		1	1
4159 .265 Lbs.			1	1	1

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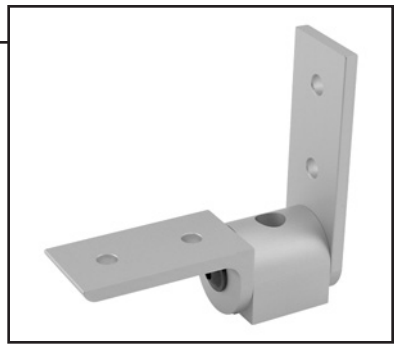
Standard Pivot Nub Assemblies – 15 Series

Page 268



Included Mounting Hardware (Nub to Profile)

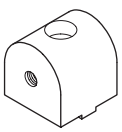
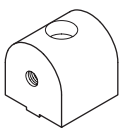
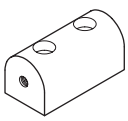
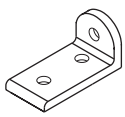
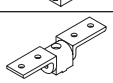
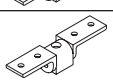
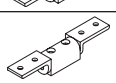
Part No.	Qty	Description
3613	1 or 2	5/16-18 x 1 1/2" SHCS & Economy T-Nut

Included Mounting Hardware (Nub to Arms)

Part No.	Qty	Description
3330	2	5/16-18 x 5/8" FBHSCS

Recommended Pivot Mounting Hardware (Arms to Profile):

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Economy T-Nut

Complete Assembly Part No.	Individual Part No. 4387  0° Nub Page 321	4388  90° Nub Page 322	4386  Universal Nub Page 322	4396 4.5" Arm Page 325	4349  "L" Arm Page 324
4397 .665 Lbs.	1			2	
4398 .665 Lbs.		1		2	
4395 .980 Lbs.			1	2	
4353 .595 Lbs. 	1				2
4354 .595 Lbs. 		1			2
4356 .860 Lbs. 			1		2
4357 .600 Lbs.	1			1	1
4358 .600 Lbs.		1		1	1
4359 .865 Lbs.			1	1	1

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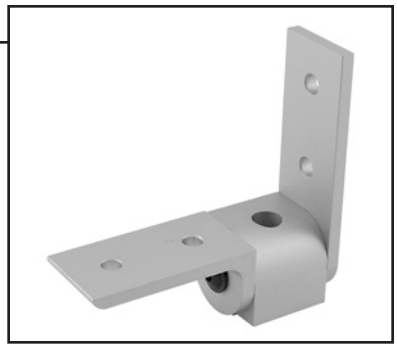
Right Angle Pivot Nub Assemblies – 10 Series



Page 268

Included Mounting Hardware (Nub to Profile)

Part No.	Qty	Description
3306	1 or 2	1/4-20 x 1" SHCS & Economy T-Nut

Included Mounting Hardware (Nub to Arms)

Part No.	Qty	Description
3342	2	1/4-20 x 1/2" FBHSCS

Recommended Pivot Mounting Hardware (Arms to Profile):

Part No.	Qty	Description
3393	4	1/4-20 x 1/2" BHSCS & Econ T-Nut

4

Pivots Up To 90°

Assembly Part No.	Individual Part No. 4001 — 0° Nub (Page 323)	4002 — 90° Nub (Page 323)	4003 — Universal Nub (Page 324)	4196 — 3" Arm (Page 325)	4149 — "L" Arm (Page 324)
4004 .220 Lbs.	1			2	
4005 .220 Lbs.		1		2	
4006 .330 Lbs.			1	2	
4007 .210 Lbs.	1				2
4008 .210 Lbs.		1			2
4009 .320 Lbs.			1		2

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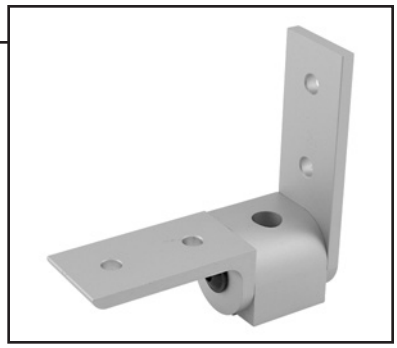
Right Angle Pivot Nub Assemblies – 15 Series



Page 268

Included Mounting Hardware (Nub to Profile)

Part No.	Qty	Description
3613	1 or 2	5/16-18 x 1.5" SHCS & Economy T-Nut

Included Mounting Hardware (Nub to Arms)

Part No.	Qty	Description
3330	2	5/16-18 x 5/8" FBHSCS

Recommended Pivot Mounting Hardware (Arms to Profile):

Part No.	Qty	Description
3320	4	5/16-18 x 11/16" FBHSCS & Economy T-Nut

Pivots Up To 90°

Assembly Part No.	Individual Part No. 4401 0° Nub Page 323	4402 90° Nub Page 323	4403 Universal Nub Page 324	4396 4.5" Arm Page 325	4349 "L" Arm Page 324
4404 .680 Lbs.	1			2	
4405 .680 Lbs.		1		2	
4406 1.020 Lbs.			1	2	
4407 .670 Lbs.	1				2
4408 .670 Lbs.		1			2
4409 .990 Lbs.			1		2

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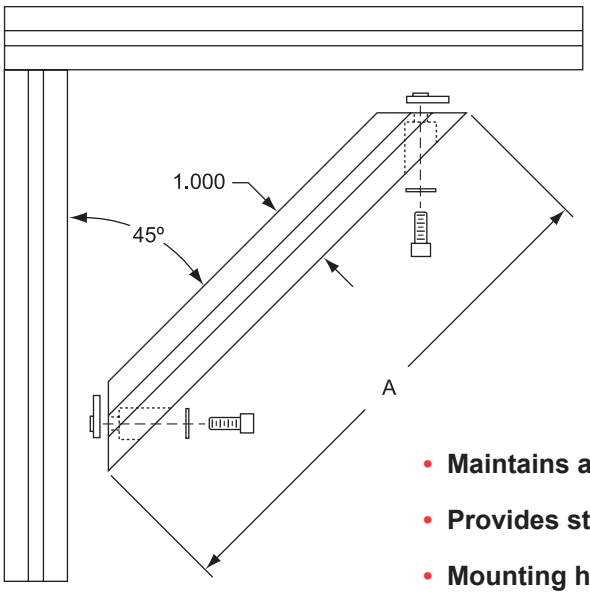
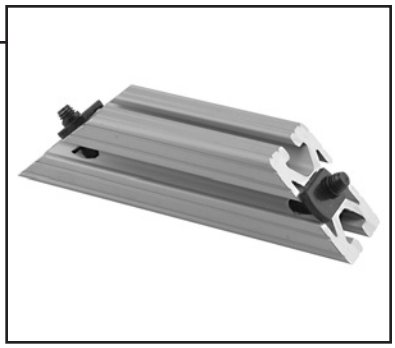
45° Supports – 10 Series





- **Maintains a clean, flush connection**
- **Provides strong right angle support for corners**
- **Mounting hardware included with each support**
- **See page 570 for Custom 45° Supports**

Part No.	Profile	Length A	Mounting Hardware Included	Lbs.
2565	1010	6.00”	(2) 1/4-20x5/8 SHCS, Washer and Economy T-Nuts	.240
2570	1010	12.00”	(2) 1/4-20x5/8 SHCS, Washer and Economy T-Nuts	.485
2575	1010	18.00”	(2) 1/4-20x5/8 SHCS, Washer and Economy T-Nuts	.725
2566	1020	6.00”	(4) 1/4-20x5/8 SHCS, Washer and Economy T-Nuts	.454
2567	1020	12.00”	(4) 1/4-20x5/8 SHCS, Washer and Economy T-Nuts	.918
2568	1020	18.00”	(4) 1/4-20x5/8 SHCS, Washer and Economy T-Nuts	1.372
2571	1030	6.00”	(6) 1/4-20x5/8 SHCS, Washer and Economy T-Nuts	.694
2572	1030	12.00”	(6) 1/4-20x5/8 SHCS, Washer and Economy T-Nuts	1.403
2573	1030	18.00”	(6) 1/4-20x5/8 SHCS, Washer and Economy T-Nuts	2.097
2574	1030	24.00”	(6) 1/4-20x5/8 SHCS, Washer and Economy T-Nuts	2.820

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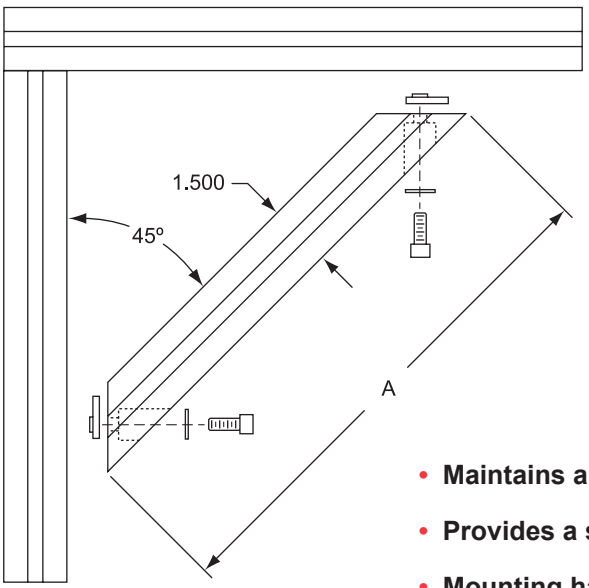
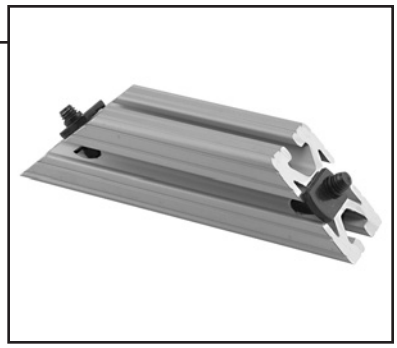
45° Supports – 15 Series with Align-a-Grooves





- **Maintains a clean, flush connection**
- **Provides a strong right angle support for corners**
- **Mounting hardware included with each support**
- **See page 570 for Custom 45° Supports**

Part No.	Profile	Length A	Mounting Hardware Included	Lbs.
2556	1501	6.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	.441
2557	1501	12.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	.951
2558	1501	18.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.421
2559	1501	24.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.945
2525	1515	6.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	.570
2535	1515	12.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.235
2545	1515	18.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.885
2555	1515	24.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	2.555
2562	1515-Lite	6.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	.450
2561	1515-Lite	12.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	.970
2563	1515-Lite	18.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.450
2564	1515-Lite	24.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.985
2527	1515-UL	6.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	.574
2528	1515-UL	12.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.051
2529	1515-UL	18.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.527
2532	1515-UL	24.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	2.003
2530	1530	6.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.035
2540	1530	12.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	2.130
2550	1530	18.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	3.435
2560	1530	24.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	4.460
2578	1530-Lite	6.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	.885
2579	1530-Lite	12.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.865
2580	1530-Lite	18.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	2.850
2581	1530-Lite	24.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	3.840
2526	1545	6.00”	(6) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.605
2531	1545	12.00”	(6) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	3.461
2536	1545	18.00”	(6) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	5.174
2541	1545	24.00”	(6) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	7.090

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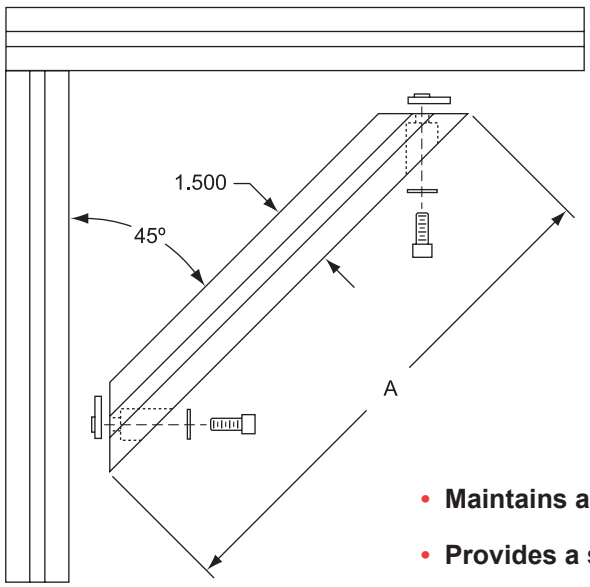
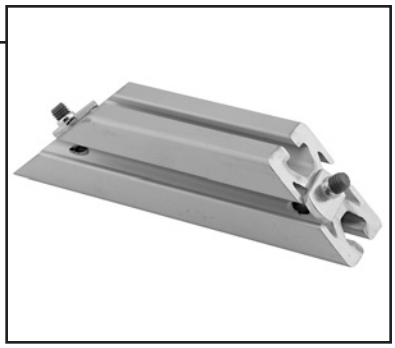
45° Supports – 15 Series - Smooth





- **Maintains a clean, flush connection**
- **Provides a strong right angle support for corners**
- **Mounting hardware included with each support**
- **See page 570 for Custom 45° Supports**

Part No.	Profile	Length A	Mounting Hardware Included	Lbs.
2533	1515-ULS	6.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	.574
2534	1515-ULS	12.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.051
2537	1515-ULS	18.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.527
2538	1515-ULS	24.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	2.004
2539	1515-LS	6.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	.624
2542	1515-LS	12.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.151
2543	1515-LS	18.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.677
2544	1515-LS	24.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	2.204
2546	1515-S	6.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	.785
2547	1515-S	12.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.473
2548	1515-S	18.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	2.160
2549	1515-S	24.00”	(2) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	2.848
2551	1530-LS	6.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.213
2552	1530-LS	12.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	2.23
2553	1530-LS	18.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	3.247
2554	1530-LS	24.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	4.264
2569	1530-S	6.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	1.425
2576	1530-S	12.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	2.655
2577	1530-S	18.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	3.884
2582	1530-S	24.00”	(4) 5/16-18x3/4 SHCS, Washer and Economy T-Nuts	5.114

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Section #5 Pictorial Table Of Contents

How To Order

Page 334

Living Hinge Assemblies

Pages 335-336

0° Living Nub

Page 337

90° Living Nub

Page 337

Universal Living Nub

Page 338

Straight Pivot Arm

Page 338

"L" Pivot Arm

Page 339

Right Angle Living Hinge Assemblies

Pages 340-341

0° Right Angle Living Nub

Page 342

90° Right Angle Living Nub

Page 342

Universal Right Angle Living Nub

Page 343

Straight Pivot Arm

Page 343

"L" Pivot Arm

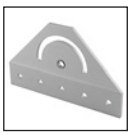
Page 344

90° Pivot Brackets

Page 345

90° Pivot Bracket Assemblies

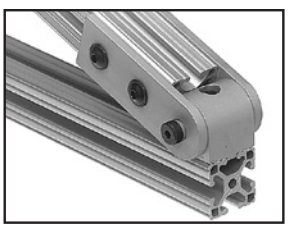
Page 346

180° Pivot Brackets

Page 347

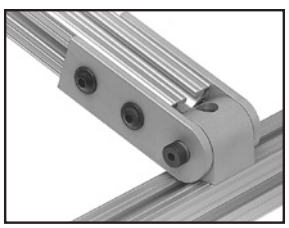
180° Pivot Bracket Assemblies

Page 348

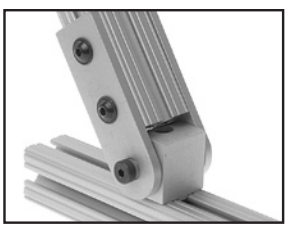
5



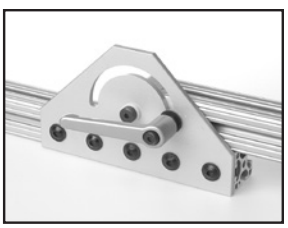
0° Living Hinge



90° Living Hinge



Right Angle Living Hinge



180° Pivot Bracket

Legend for Icons

This part is 10 Series compatible

This part can use double economy T-nuts
(see bolt kit table P on page 268)

This part can use triple economy T-nuts
(see bolt kit table Q on page 268)

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How to Order 80/20® Dynamic Pivots

Dynamic pivots provide different methods of incorporating motion into specific areas of your application. Select your pivot according to the range and direction of motion required for your application (see order example below). Please note the recommended bolt assemblies called out for each specific Dynamic Pivot component. When you order something other than an assembly, a bolt kit will need to be specified. If you choose to select your own bolt configurations, refer to pages 249-259 for bolt and T-nut options.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____
Address: _____
City / State: _____
Attention: _____
Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/ UOM	Ext. Price
1	1010	2	18.50"	7042 in A both ends	$.23	$8.51
	1515-Lite-145	5	145.00"	Full length profile	$65.25	$326.25
	3060	4	40.00"	7029 one end	$2.95	$472.00
	3030	4	36.00"	7050 style G in W, X both ends	$1.50	$216.00
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	2611	1	5.25 sf.	1/4" bronze polycarb 1 @ 18" x 40" w/ 7311 per drawing	$10.40	$54.60
4	7150	1		Cut plastic panels all sides < -48"	$10.50	$10.50
	7042	4		10 Series anchor fastener counterbore	$2.25	$9.00
	7005	2		Cut-to-length for 1010	$1.95	$3.90
	7023	4		Cut-to-length for 3060	$2.90	$11.60
	7030	4		Cut-to-length for 3030	$2.60	$10.40
	7050	64		15 Series drill access hole	$1.95	$124.80
	7029	4		5/16-18 tap service for 3060	$15.20	$60.80
	7311	2		Anchor fastener notch for 10 Series	$0.53	$1.06
5	3380	32		15 Series 5/16-18 black zinc end fastener w/ screw	$1.60	$51.20
	2114	16		Gray T-Slot covers for 10 Series	$3.45	$55.20
	2050	8		End caps for 3030	$1.85	$14.80
	3395	4		10 Series anchor fasteners	$2.90	$11.60
	3279	5		15 Series 5/16-18 black zinc double economy T-nut	$0.79	$3.95
	4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	3393	24		10 Series 1/4-20 BHSCS & economy T-nut	$0.40	$9.60
				TOTAL		$1549.17

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 147-202 • 2 - Custom Parts = Pages 203-220 • 3 - Panels = Pages 349-432
4 - Machining Services = Pages 559-608 • 5 - Accessories & Tools = Pages 433-456 & 549-558

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Living Hinge Assemblies – 10 Series

- **Permanently lubricated bronze bushings act as high strength pivot points**
- **Nylon thrust washers protect the pivot arms**
- **Offers high load capacity while ensuring long cycle life**
- **Provides a full 180º of axial motion**

10 Series Mounting Hardware Included

Nub to Profile:
Part # 3306 – 1/4-20 x 1" SHCS & Econ T-Nut

Nub to Arms:
Part # 3501 – (2) 5/16 x 1/4 Stripper Bolt & (4) Thrust Washers

Arm to Profile:
Part # 3356 – (2) 1/4-20 x 1/2" FBHSCS & Dbl Econ T-Nut
Part # 3414 – (2) 1/4-20 x 1/2" FHSCS & Econ T-Nut

Complete Assembly Part No.	Individual Part No.				
	4181 0º Nub Page 337	4184 90º Nub Page 337	4177 Universal Nub Page 338	4185 3" Arm Page 338	4172 "L" Arm Page 339
4180 .230 Lbs.	1			2	
4183 .230 Lbs.		1		2	
4178 .330 Lbs.			1	2	
4168 .220 Lbs.	1				2
4169 .220 Lbs.		1			2
4171 .320 Lbs.			1		2
4161 .225 Lbs.	1			1	1
4162 .225 Lbs.		1		1	1
4163 .325 Lbs.			1	1	1

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Living Hinge Assemblies – 15 Series

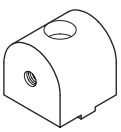
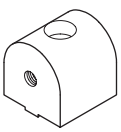
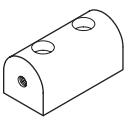
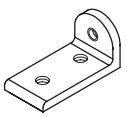
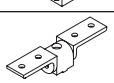
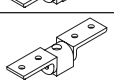
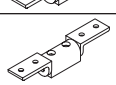
- **Permanently lubricated bronze bushings act as high strength pivot points**
- **Nylon thrust washers protect the pivot arms**
- **Offers a high load capacity while ensuring a long cycle life**
- **Provides a full 180º axial motion**

15 Series Mounting Hardware Included

Nub to Profile:
Part # 3422 – 5/16-18 x 1 1/2" SHCS & Econ T-Nut

Nub to Arms:
Part # 3500 – (2) 3/8 x 3/8 Stripper Bolt & (4) Thrust Washers

Arm to Profile:
Part # 3355 – (2) 5/16-18 x 5/8" FBHSCS & Dbl Econ T-Nut
Part # 3412 – (2) 5/16-18 x 5/8" FHSCS & Econ T-Nut

Complete Assembly Part No.	Individual Part No.				
	4381  0º Nub Page 337	4384  90º Nub Page 337	4377  Universal Nub Page 338	4385 4.5" Arm Page 338	4343  "L" Arm Page 339
4380 .685 Lbs.	1			2	
4383 .685 Lbs.		1		2	
4379 .995 Lbs.			1	2	
4321 .675 Lbs. 	1				2
4322 .675 Lbs. 		1			2
4323 .985 Lbs. 			1		2
4363 .680 Lbs.	1			1	1
4364 .680 Lbs.		1		1	1
4313 .990 Lbs.			1	1	1

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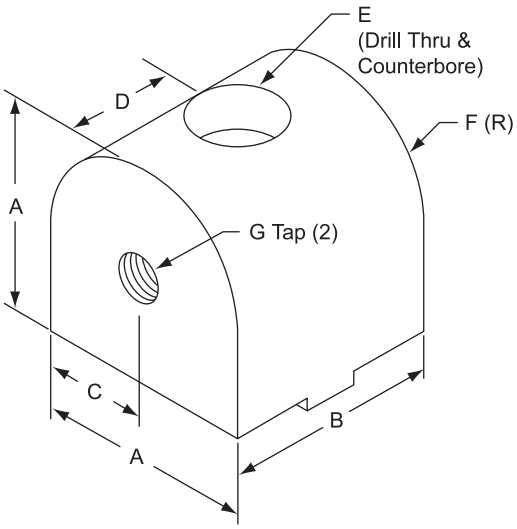
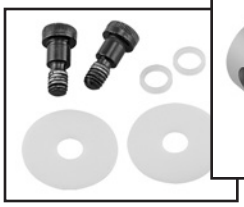
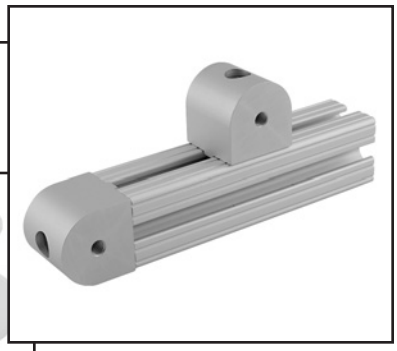
0° Living Nub



*One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Nub to Profile):

Series	Qty	Description
10 ⊠	1	1/4-20 x 1" SHCS & Economy T-Nut
15	1	5/16-18 x 1 1/2" SHCS & Economy T-Nut

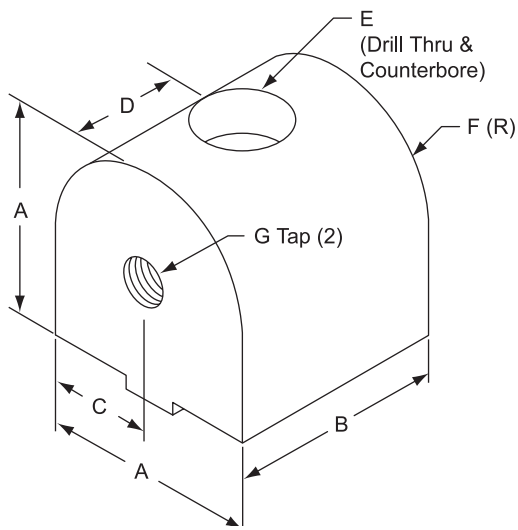
Recommended Mounting Hardware (Mount Arm to Nub):

Part No.	Qty	Description
3501 ⊠	1*	5/16 x 1/4" Stripper Bolts & Thrust Washers
3500	1*	3/8 x 3/8" Stripper Bolts & Thrust Washers

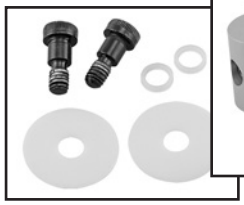
⊠ = 10 Series Compatible Part

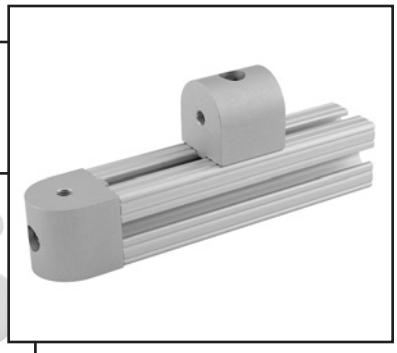
Part No.	A	B	C	D	E	F	G	Lbs.
4181 ⊠	1.000	.937	.500	.468	1/4-20 SHCS	.500	1/4-20 X .50	.070
4381	1.500	1.437	.750	.718	5/16-18 SHCS	.750	5/16-18 X .75	.325

90° Living Nub



*One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Nub to Profile):

Series	Qty	Description
10 ⊠	1	1/4-20 x 1" SHCS & Economy T-Nut
15	1	5/16-18 x 1 1/2" SHCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Arm to Nub):

Part No.	Qty	Description
3501 ⊠	1*	5/16 x 1/4" Stripper Bolts & Thrust Washers
3500	1*	3/8 x 3/8" Stripper Bolts & Thrust Washers

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	G	Lbs.
4184 ⊠	1.000	.937	.500	.468	1/4-20 SHCS	.500	1/4-20 X .50	.070
4384	1.500	1.437	.750	.718	5/16-18 SHCS	.750	5/16-18 X .75	.325

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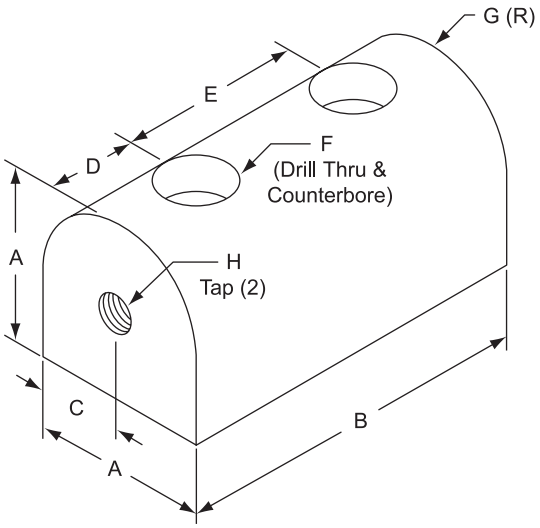
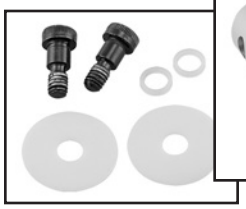
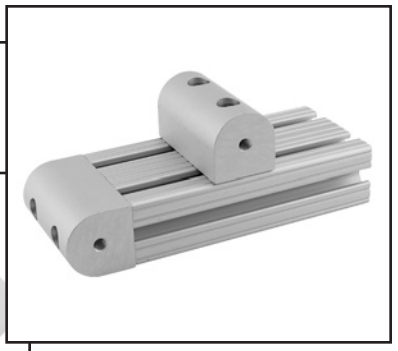
Universal Living Nub



*One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Nub to Profile):

Series	Qty	Description
10 ⊠	2	1/4-20 x 1" SHCS & Economy T-Nut
15	2	5/16-18 x 1 1/2" SHCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Arm to Nub):

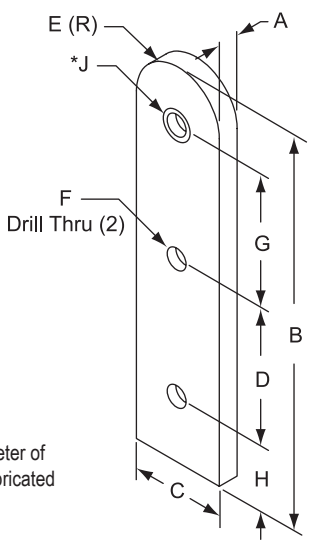
Part No.	Qty	Description
3501 ⊠	1*	5/16 x 1/4" Stripper Bolts & Thrust Washers
3500	1*	3/8 x 3/8" Stripper Bolts & Thrust Washers

Part No.	A	B	C	D	E	F	G	H	Lbs.
4177 ⊠	1.000	1.937	.500	.468	1.000	1/4-20 SHCS	.500	1/4-20 X .50	.145
4377	1.500	2.937	.750	.718	1.500	5/16-18 SHCS	.750	5/16-18 X .75	.650

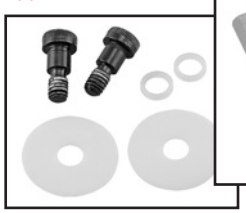
Straight Pivot Arm

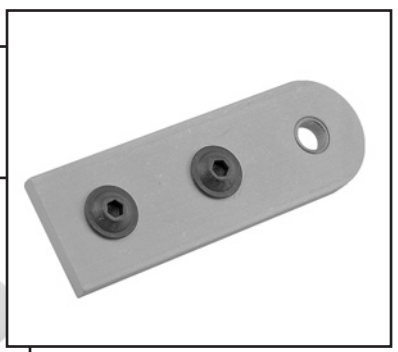
5

Page 268



**One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Pivot Arm to Profile):

Series	Qty	Description
10 ⊠	2	1/4-20 x 1/2" FBHSCS & Dbl Economy T-Nut
15	2	5/16-18 x 1 11/16" FBHSCS & Dbl Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Pivot Arm to Nub):

Part No.	Qty	Description
3501 ⊠	1**	5/16 x 1/4" Stripper Bolts & Thrust Washers
3500	1**	3/8 x 3/8" Stripper Bolts & Thrust Washers

* The internal diameter of the permanently lubricated bronze bushing.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	G	H	J*	Lbs.
4185 ⊠	.188	3.000	1.000	1.000	.500	ø.257	1.000	.500	ø.312	.050
4385	.250	4.500	1.500	1.500	.750	ø.328	1.500	.750	ø.375	.150

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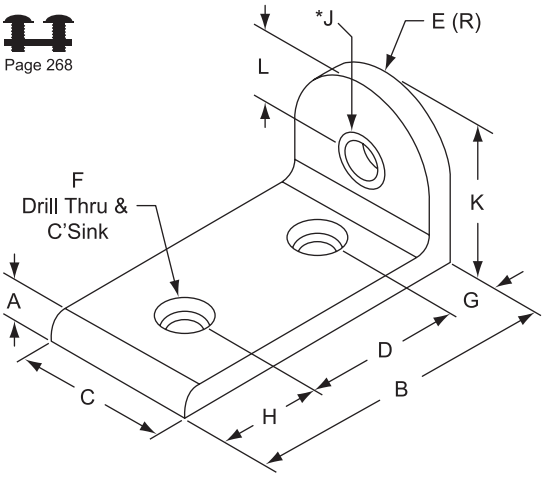
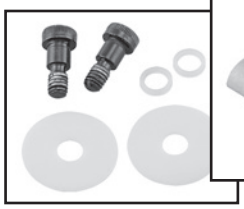
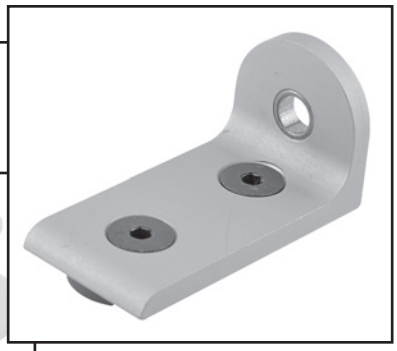
"L" Pivot Arm

Page 268



**One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Pivot Arm to Profile):

Series	Qty	Description
10 ⊠	2	1/4-20 x 1/2" FHSCS & Economy T-Nut
15	2	5/16-18 x 5/8" FHSCS & Economy T-Nut

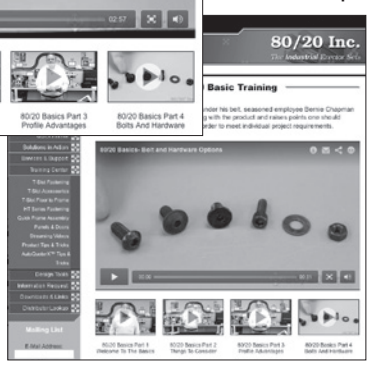
Recommended Pivot Mounting Hardware (Mount Pivot Arm to Nub):

Part No.	Qty	Description
3501 ⊠	1**	5/16 x 1/4" Stripper Bolt & Thrust Washer
3500	1**	3/8 x 3/8" Stripper Bolt & Thrust Washer

* The internal diameter of the permanently lubricated bronze bushing.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	G	H	J*	K	L	Lbs.
4172 ⊠	.188	2.000	1.000	1.000	.500	1/4-20	.500	.500	ø.312	1.000	.500	.045
4343	.250	3.000	1.500	1.500	.750	5/16-18	.750	.750	ø.375	1.500	.750	.145



The 80/20® Training Center Offers Assembly Instruction Animations

Another feature of the 80/20 website is our online Training Center. This portion of the site gives full motion assembly instructions for several standard 80/20 products.

Check out our fully illustrated techniques for pivot nub and pivot bracket assemblies. You can even download a catalog section to your computer for quick reference.

Don't wait another second! Visit our online Training Center at www.8020.net and see how 80/20 dynamic pivot solutions can go to work for you!

www.8020.net/trgcenter.asp

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Right Angle Living Hinge – 10 Series

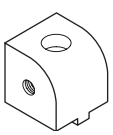
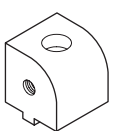
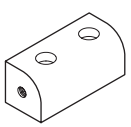
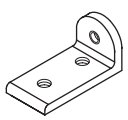
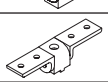
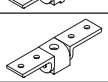
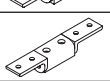
- **Permanently lubricated bronze bushings act as high strength pivot points**
- **Nylon thrust washers protect the pivot arms**
- **Offers a high load capacity while ensuring a long cycle life**
- **Provides a full 90º of axial motion**

10 Series Mounting Hardware Included

Nub to Profile:
Part # 3306 – 1/4-20 x 1" SHCS & Econ T-Nut

Nub to Arms:
Part # 3501 – (2) 5/16 x 1/4 Stripper Bolt & (4) Thrust Washers

Arm to Profile:
Part # 3356 – (2) 1/4-20 x 1/2" FBHSCS & Dbl Econ T-Nut
Part # 3414 – (2) 1/4-20 x 1/2" FHSCS & Econ T-Nut

Assembly Part No.	Individual Part No.				
	4025  0º Nub Page 342	4026  90º Nub Page 342	4027  Universal Nub Page 343	4185 3" Arm Page 343	4172  "L" Arm Page 344
4028 .236 Lbs.	1			2	
4029 .236 Lbs.		1		2	
4030 .334 Lbs.			1	2	
4031 .228 Lbs. 	1				2
4032 .228 Lbs. 		1			2
4033 .324 Lbs. 			1		2

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Right Angle Living Hinge – 15 Series

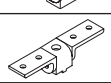
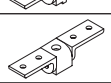
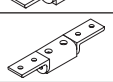
- **Permanently lubricated bronze bushings act as high strength pivot points**
- **Nylon thrust washers protect the pivot arms**
- **Offers a high load capacity while ensuring a long cycle life**
- **Provides a full 90º of axial motion**

15 Series Mounting Hardware Included

Nub to Profile:
Part # 3422 – 5/16-18 x 1 1/2" SHCS & Econ T-Nut

Nub to Arms:
Part # 3500 – (2) 3/8 x 3/8" Stripper Bolt & (4) Thrust Washers

Arm to Profile:
Part # 3355 – (2) 5/16-18 x 5/8" FBHSCS & Dbl Econ T-Nut
Part # 3412 – (2) 5/16-18 x 5/8" FHSCS & Econ T-Nut

Assembly Part No.	Individual Part No. 4425 0º Nub Page 342	4426 90º Nub Page 342	4427 Universal Nub Page 343	4385 4.5" Arm Page 343	4343 "L" Arm Page 344
4428 .687 Lbs.	1			2	
4429 .687 Lbs.		1		2	
4430 1.025 Lbs.			1	2	
4431 .677 Lbs. 	1				2
4432 .677 Lbs. 		1			2
4433 1.015 Lbs. 			1		2

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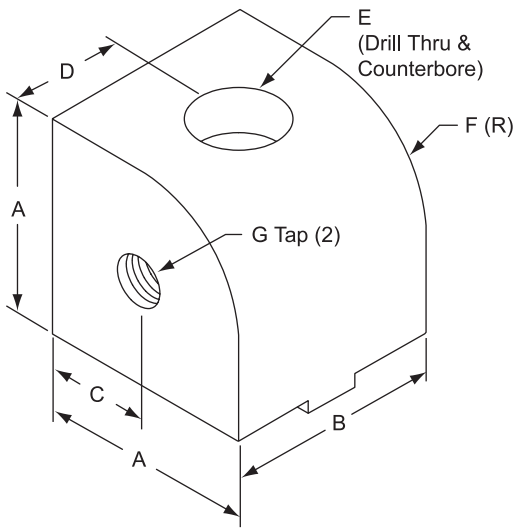
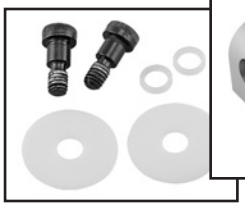
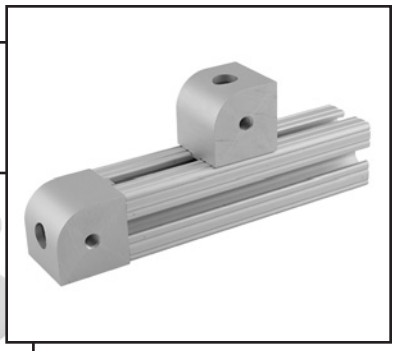
0° Right Angle Living Nub



*One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Nub to Profile):

Series	Qty	Description
10 ⊠	1	1/4-20 x 1" SHCS & Economy T-Nut
15	1	5/16-18 x 1 1/2" SHCS & Economy T-Nut

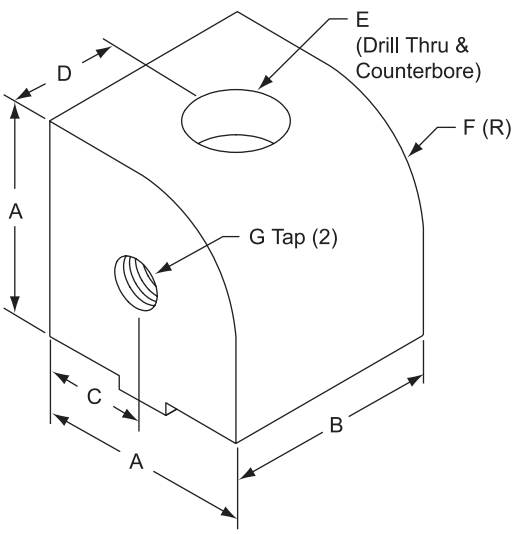
Recommended Pivot Mounting Hardware (Mount Nub to Arm):

Part No.	Qty	Description
3501 ⊠	1*	5/16 x 1/4" Stripper Bolts & Thrust Washers
3500	1*	3/8 x 3/8" Stripper Bolts & Thrust Washers

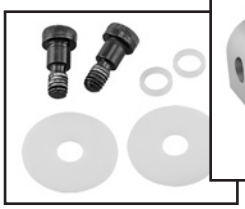
⊠ = 10 Series Compatible Part

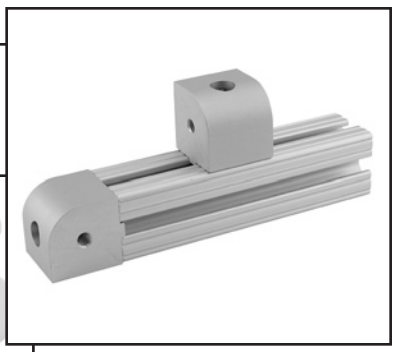
Part No.	A	B	C	D	E	F	G	Lbs.
4025 ⊠	1.000	.937	.500	.468	1/4-20 SHCS	.500	1/4-20 X .50	.074
4425	1.500	1.437	.750	.718	5/16-18 SHCS	.750	5/16-18 X .75	.327

90° Right Angle Living Nub



*One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Nub to Profile):

Series	Qty	Description
10 ⊠	1	1/4-20 x 1" SHCS & Economy T-Nut
15	1	5/16-18 x 1 1/2" SHCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Nub to Arm):

Part No.	Qty	Description
3501 ⊠	1*	5/16 x 1/4" Stripper Bolts & Thrust Washers
3500	1*	3/8 x 3/8" Stripper Bolts & Thrust Washers

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	G	Lbs.
4026 ⊠	1.000	.937	.500	.468	1/4-20 SHCS	.500	1/4-20 X .50	.074
4426	1.500	1.437	.750	.718	5/16-18 SHCS	.750	5/16-18 X .75	.327

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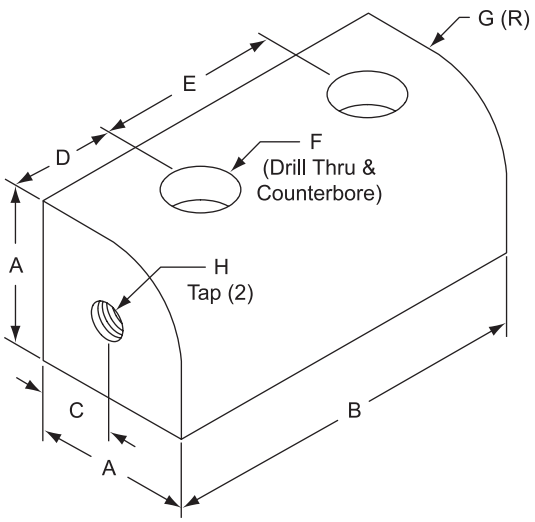
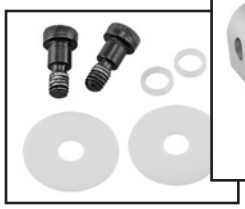
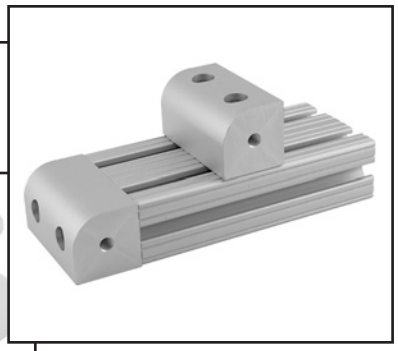
Universal Right Angle Living Nub



*One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Nub to Profile):

Series	Qty	Description
10 ⊠	2	1/4-20 x 1" SHCS & Economy T-Nut
15	2	5/16-18 x 1 1/2" SHCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Nub to Arm):

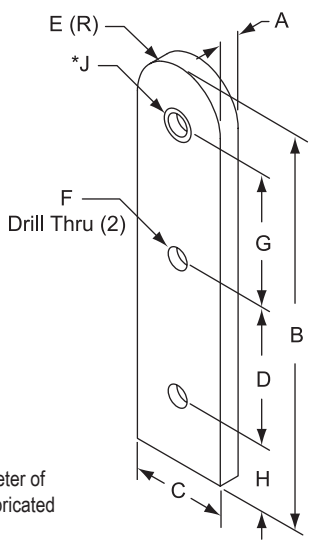
Part No.	Qty	Description
3501 ⊠	1*	5/16 x 1/4" Stripper Bolts & Thrust Washers
3500	1*	3/8 x 3/8" Stripper Bolts & Thrust Washers

⊠ = 10 Series Compatible Part

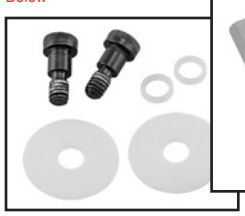
Part No.	A	B	C	D	E	F	G	H	Lbs.
4027 ⊠	1.000	1.937	.500	.468	1.000	1/4-20 SHCS	.500	1/4-20 X .50	.145
4427	1.500	2.937	.750	.718	1.500	5/16-18 SHCS	.750	5/16-18 X .75	.654

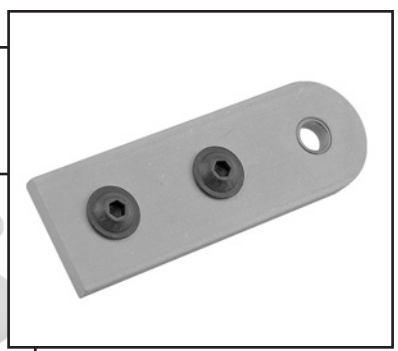
Straight Pivot Arm

Page 268



**One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Pivot Arm to Profile):

Series	Qty	Description
10 ⊠	2	1/4-20 x .50" FBHSCS & Dbl Economy T-Nut
15	2	5/16-18 x 1 11/16" FBHSCS & Dbl Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Pivot Arm to Nub):

Part No.	Qty	Description
3501 ⊠	1**	5/16 x 1/4" Stripper Bolts & Thrust Washers
3500	1**	3/8 x 3/8" Stripper Bolts & Thrust Washers

* The internal diameter of the permanently lubricated bronze bushing.

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	G	H	J*	Lbs.
4185 ⊠	.188	3.000	1.000	1.000	.500	ø.257	1.000	.500	ø.312	.050
4385	.250	4.500	1.500	1.500	.750	ø.328	1.500	.750	ø.375	.150

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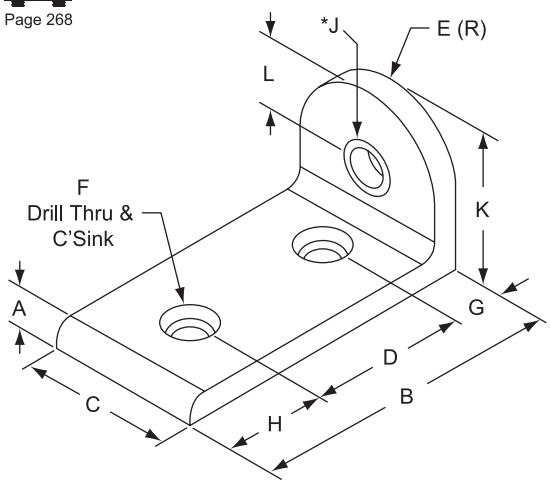
"L" Pivot Arm

Page 268



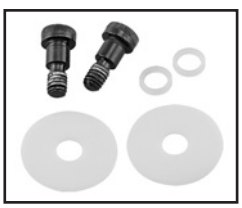
* The internal diameter of the permanently lubricated bronze bushing.

Included Mounting Hardware (Mount Pivot Arm to Profile):

Series	Qty	Description
10 ⊠	2	1/4-20 x 1/2" FHSCS & Economy T-Nut
15	2	5/16-18 x 5/8" FHSCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Pivot Arm to Nub):

Part No.	Qty	Description
3501 ⊠	1**	5/16 x 1/4" Stripper Bolts & Thrust Washers
3500	1**	3/8 x 3/8" Stripper Bolts & Thrust Washers



**One Bolt Assembly Contains Qty 2 as Shown Above

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	G	H	J*	K	L	Lbs.
4172 ⊠	.188	2.000	1.000	1.000	.500	1/4-20	.500	.500	.312	1.000	.500	.045
4343	.250	3.000	1.500	1.500	.750	5/16-18	.750	.750	.375	1.500	.750	.145

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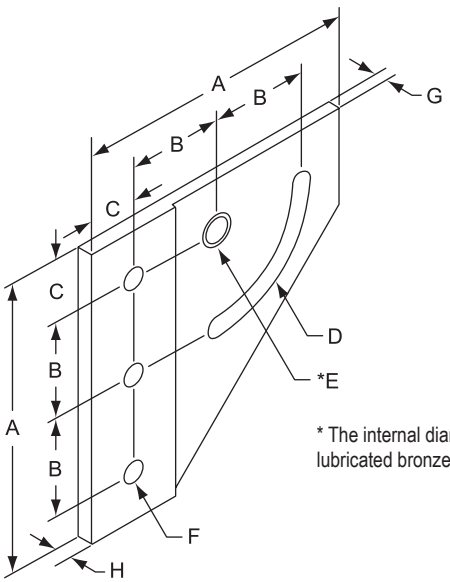
90º Pivot Bracket

Page 268

- **Permanently lubricated bronze bushings act as high strength pivot points**
- **Right and Left hand versions are available, providing a full 90º of axial motion**
- **See assemblies on following page**

4337
Right Hand Shown



* The internal diameter of the permanently lubricated bronze bushing.

Recommended Mounting Hardware (Mount to Profile):

Part No.	Qty	Description
3321 ⊠	3	1/4-20 x 1/2" FBHSCS & Economy T-Nut
3320	3	5/16-18 x 5/8" FBHSCS & Economy T-Nut

⊠ = 10 Series Compatible Part

Part No.	Hand	A	B	C	D	E*	F	G	H	Lbs.
4133 ⊠	Left	3.000	1.000	.500	ø.265	ø.312	ø.281	.158	.188	.105
4137 ⊠	Right	3.000	1.000	.500	ø.265	ø.312	ø.281	.158	.188	.105
4333	Left	4.500	1.500	.750	ø.328	ø.375	ø.328	.220	.250	.325
4337	Right	4.500	1.500	.750	ø.328	ø.375	ø.328	.220	.250	.325

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90° Pivot Bracket Assemblies

- **Milled .030" washer clearance allows all structural members to be flush**
- **Assemblies include the structural nub, nylon washers, shoulder bolt, and "T" or "L" handle**

Complete Assembly Part No.	Individual Part No.											
	4133 Left Hand	4137 Right Hand	4333 Left Hand	4337 Right Hand	2796	2798	2797	2799	4187	4186	4387	4386
4139 LH / .280 Lbs.	1				1				1			
4142 LH / .290 Lbs.	1					1			1			
4148 RH / .280 Lbs.		1			1				1			
4147 RH / .290 Lbs.		1				1			1			
4339 LH / .990 Lbs.			1				1				1	
4342 LH / .770 Lbs.			1					1			1	
4348 RH / .990 Lbs.				1			1				1	
4347 RH / .770 Lbs.				1				1			1	
4116 .460 Lbs.	1	1			2				1			
4130 .470 Lbs.	1	1				2			1			
4124 .560 Lbs.	1	1			2					1		
4131 .580 Lbs.	1	1				2				1		
4317 1.650 Lbs.			1	1			2				1	
4319 1.220 Lbs.			1	1				2			1	
4318 1.980 Lbs.			1	1			2					1
4324 1.540 Lbs.			1	1				2				1

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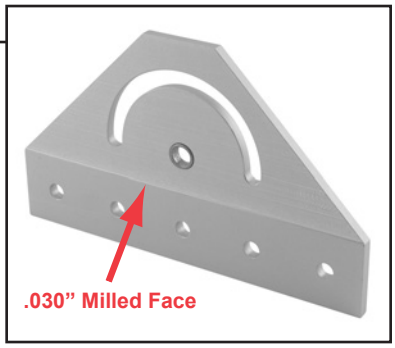
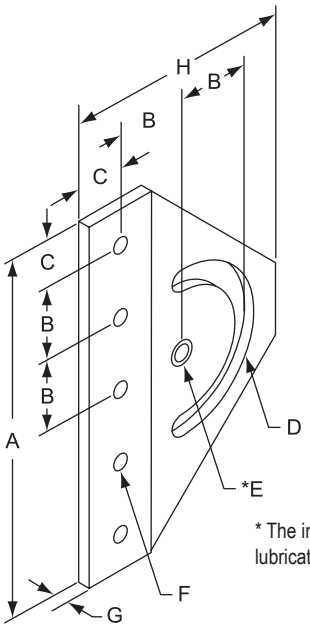
180º Pivot Bracket

- **Permanently lubricated bronze bushings act as high strength pivot points**
- **Provides a full 180º of axial motion**
- **See assemblies on following page**

Page 268





* The internal diameter of the permanently lubricated bronze bushing.

Recommended Mounting Hardware (Mount to Profile):

Part No.	Series	Qty	Description
3321 ⊠	10	5	1/4-20 x 1/2" FBHSCS & Economy T-Nut
3320	15	5	5/16-18 x 5/8" FBHSCS & Economy T-Nut

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E*	F	G	H	Lbs.
4024 ⊠	5.000	1.000	.500	.265	ø.312	ø.281	.188	3.000	.155
4424	7.500	1.500	.750	.328	ø.375	ø.328	.250	4.500	.515

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180° Pivot Bracket Assemblies

- **Milled .030" washer clearance allows all structural members to be flush**
- **Assemblies include the structural nub, nylon washers, shoulder bolt, and "T" or "L" handle**

Assembly Part No.	Individual Part No.							
	4024	4424	2796	2797	4187	4186	4387	4386
4051 .340 Lbs.	1		1		1			
4451 1.160 Lbs.		1		1			1	
4053 .570 Lbs.	2		2		1			
4055 .680 Lbs.	2		2			1		
4453 2.010 Lbs.		2		2			1	
4455 2.320 Lbs.		2		2				1

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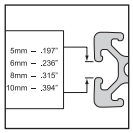
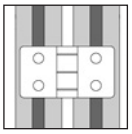
Section #6 Pictorial Table Of Contents

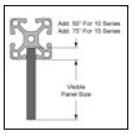
Compatibility Code


Page 351

T-Slot Hinges Introduction

Pages 352-353

How To Order

Page 354

Sizing & Drawing Panels

Page 355

Standard Lift-Off Hinges

Pages 356-357

Economy Lift-Off Hinges

Page 358

Plastic Lift-Off Hinges

Pages 359-360

Plastic Double Lift-Off Hinges

Page 360

Stainless Steel Lift Off Hinges

Page 361

Standard 2-D Hinges

Page 361

Adjustable Hinges

Page 362

Detent Hinges

Page 363

Detent Positioning Hinge

Page 364

Aluminum Hinges

Page 365

Plastic Standard Hinges

Page 366

Plastic Standard Hinges

Page 367

Plastic Standard Hinges

Page 367

Standard Hinges

Page 368

Stainless Steel Standard Hinges

Page 368

Combination Hinges

Page 369

Standard Hinges

Page 370

Standard Hinges w/Locking Lever

Page 370

Standard Panel Hinges

Page 371

Glass Panel Holders

Page 372

Plastic Door Handles

Page 373

Aluminum Cabinet Handles

Page 374

Offset Handles

Page 375

Flush Handles

Page 376

Steel Door Handles

Page 377

Ergonomic Handles

Page 378

Aluminum Panel Handles

Page 379

Locking Grabber Handles

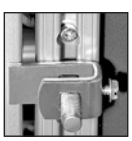
Page 380

Deluxe Door Handles

Page 381

Furniture Handles

Page 382

Pawl Kits

Page 383

Slam Latches

Page 384

Velcro® Latches

Page 385

Deadbolt Latches

Pages 386-387

Grabber™ Door Catches

Page 388

Grabber™ Catch Mounting Plates

Page 389

Magnetic Door Catches

Page 390

Nylon Magnetic Catches

Page 391

Table Of Contents Continued

80/20® Inc.
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Section #6 Pictorial Table Of Contents

Nylon Ball Catches

Page 392

Double Ball Catches

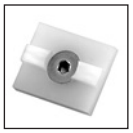
Page 393

Tension Ball Latch

Page 394

Sliding Door Locks

Page 395

Sliding Door Glides

Page 395

Bi-Fold Door Hangers

Page 396

Roller Wheels

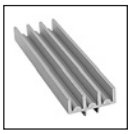
Pages 397-398

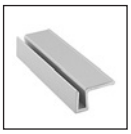
Roller Wheel Brackets

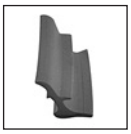
Page 399

Roller Wheel Assemblies

Page 400

Door Slide Tracks

Page 401

Panel Stiffeners

Page 402

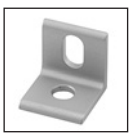
Panel Gaskets

Pages 403-405

Rubber Door Seals

Page 406

Panel Mount Blocks

Page 407

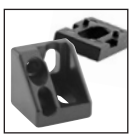
Panel Mount Brackets

Page 408

Plastic Panel Mount Block w/ Square Nut

Page 409

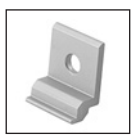
Panel Mount Block 1/4 Turn w/ Square Nut

Page 410

Panel Mount Blocks & Spacers

Page 411

Quick Change Panel Clamps

Page 412

Drop-In Panel Brackets

Page 413

Single Panel Retainers

Page 414

Double Panel Retainers

Page 415

Single Mesh Retainers

Pages 416-417

Double Mesh Retainers

Pages 418-419

Wire Edge

Page 420

Acrylic Panels

Page 421

AR Polycarb Panels

Page 421

Polycarbonate Panels

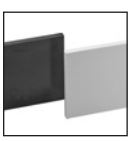
Page 422

Recycled Polycarb Panels

Page 422

ABS Haircell Panels

Page 423

Impact Resistant Panels

Page 423

Expanded PVC Panels

Page 424

Alucobest Panels

Page 425

Alumalite® Panels

Page 425

Twin Wall Polycarb Panels

Page 426

HDPE Panels

Page 427

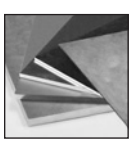
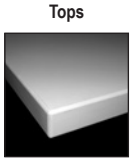
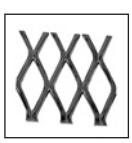
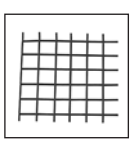
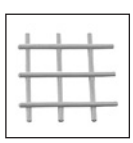
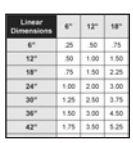
Aluminum Plate

Page 428

Table Tops

Page 428

Expanded Metal Panels

Page 429

Wire Mesh Panels

Page 430

Thermoplastic Coated Wire Mesh

Page 431

Panel Area Chart


Page 432

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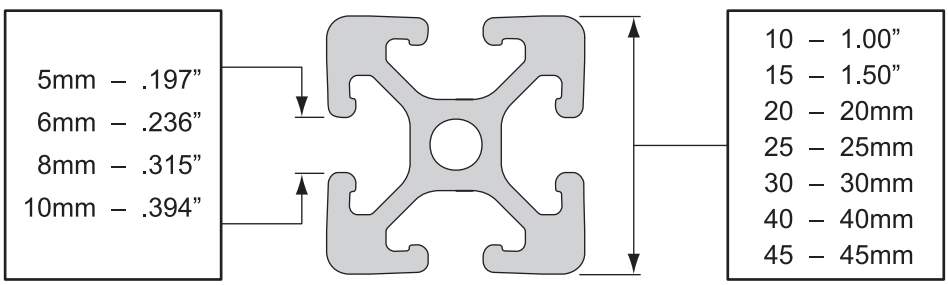
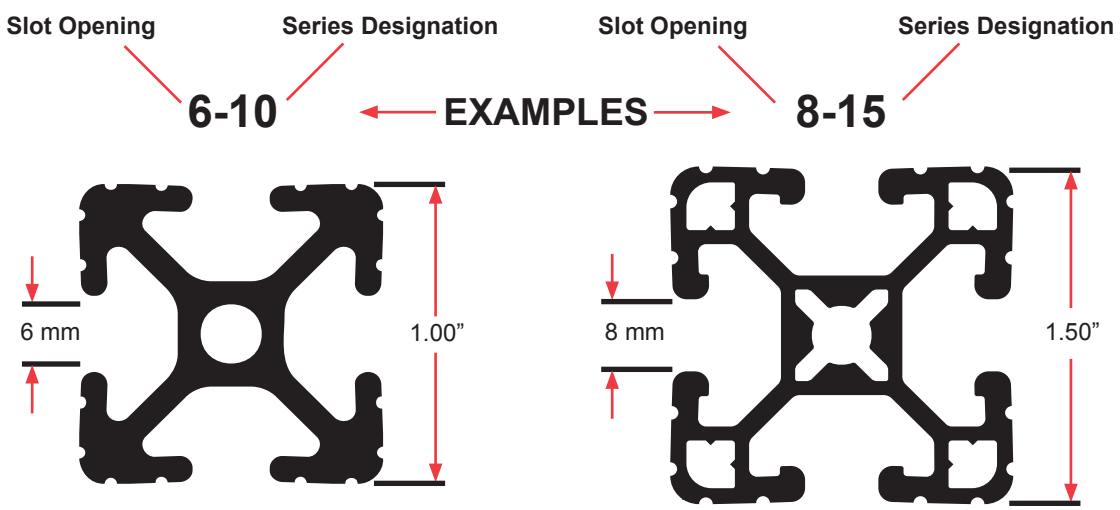
T-Slotted Aluminum Profile Compatibility Code*

How to find parts compatible with the T-slotted profile you are currently using:

1. Not all T-slotted profiles are created equal. Not only are there numerous outside dimensions, fractional and metric, but there are also differences in T-slot dimensions. The opening of the slot is the critical dimension when determining part/profile compatibility.
2. Certain fasteners, parts and accessories are designed to work with only one particular slot dimension, while others are compatible with more than one slot size.
3. Series designations such as 10, 15, 20, 25, 30, 40, 45 etc. refer to overall outside dimensions of the profile and/or center-to-center dimensions of two T-slots.
4. The critical slot opening dimensions mentioned above are stated in millimeters. They include openings of 5, 6, 8, 10, 11 and 12 mm.



5. To determine compatibility the slot opening and profile series must be known. This will establish the compatibility code, which is listed for every part.



* Patent Pending

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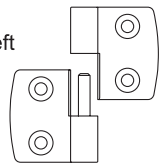
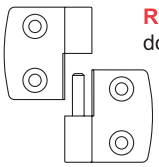
Introduction to Hinges

Design & Assembly Tips, Tricks and Recommendations

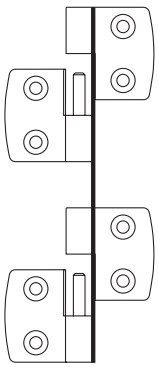
Our **Hinges**, standard and lift-off, may be used in various applications. The following highlights of hinge features will assist you in proper selection and use. Plastic lift-off hinges are available in **left** and **right** positions.

Left – Pin on the left, door opens right to left



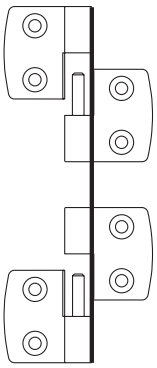


Right – Pin on the right, door opens left to right



Tip: Using all right or all left hinges will allow the door to lift off

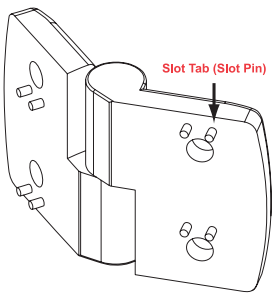
Tip: Mixing right and left hinges on one side will captivate the door



Recommendation:

Select hinges with the **Slot Tabs or Slot Pins** compatible with the T-Slot profile. Slot Tabs/Pins prevent the hinge from rotating and increase its load bearing capacity.

Slot Tabs/Slot Pins may be removed or broken off when, for example, a panel is being mounted.



Bolt Kits

The recommended bolt kits listed with hinges are for mounting that hinge to a specific T-slotted profile or panel. For more bolt kit options, refer to Fractional or Metric Section 3.

Legend for Icons

This part is 10 Series compatible

This part can use double economy T-nuts
(see bolt kit table P on page 268)

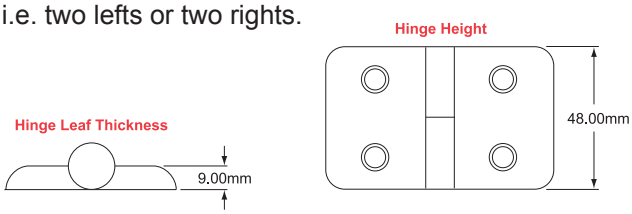
This part can use triple economy T-nuts
(see bolt kit table Q on page 268)

Introduction to Hinges continued

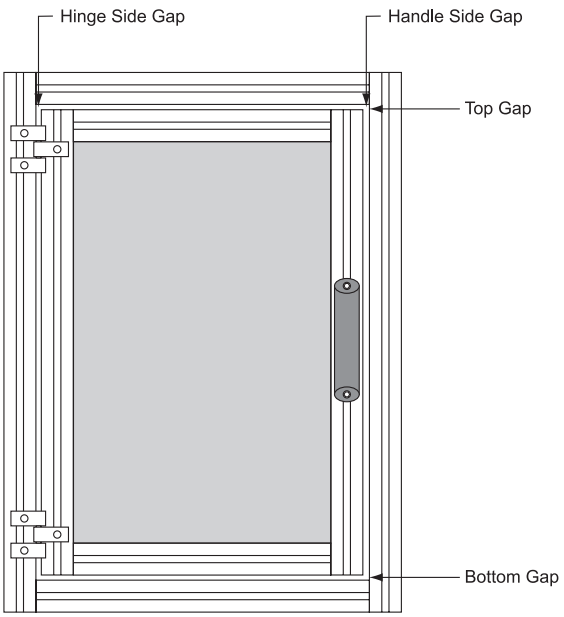
Design & Assembly Tips, Tricks and Recommendations

Trick: Transition Hinges

Notice the Plastic Hinges listed on pages 359-360 have two common dimensions; leaf thickness and hinge height. This feature allows **Plastic Lift Off Hinge** leaf sizes to be interchanged, creating a transition for hinging different sizes of T-slot profiles or panels. The same position hinges must be used, i.e. two lefts or two rights.

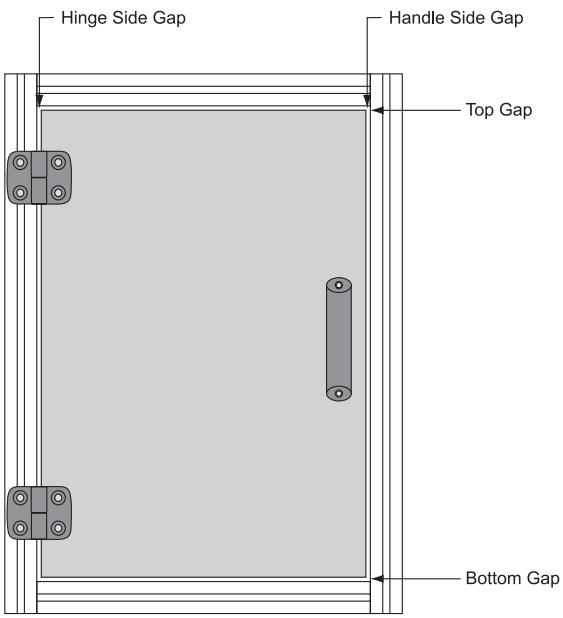


Framed Doors



- Hinge side gap depends on hinge
- Top and bottom gaps vary from 1/8” to 1/4” depending on series of profiles and opening size
- Handle side gaps vary from 1/8” to 1/4” depending on opening size, latching mechanism, etc.
- Framed doors <12” need larger handle side door gaps

Unframed Doors



- All series, all hinges, all sides .063
- Subtract additional .125 from width for panel stiffener

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How to Order 80/20® Panels & Door Components

With the wide selection of 80/20 panels and door components available, it is important to take special care to include all required information when ordering. See the following page for a list of ordering requirements that will speed up your order process and help us better meet your needs. And remember, there is always an 80/20 specialist available in your area to help with any design, ordering, or assembly questions you may have.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:
Customer: _____
Address: _____
City / State: _____
Attention: _____
Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/ UOM	Ext. Price
1	1010	2	18.50"	7042 in A both ends	$.23	$8.51
	1515-Lite-145	5	145.00"	Full length profile	$65.25	$326.25
	3060	4	40.00"	7029 one end	$2.95	$472.00
	3030	4	36.00"	7050 style G in W, X both ends	$1.50	$216.00
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	2611	1	5.25 sf.	1/4" bronze polycarb 1 @ 18" x 40" w/ 7311 per drawing	$10.40	$54.60
4	7150	1		Cut plastic panels all sides < -48"	$10.50	$10.50
	7042	4		10 Series anchor fastener counterbore	$2.25	$9.00
	7005	2		Cut-to-length for 1010	$1.95	$3.90
	7023	4		Cut-to-length for 3060	$2.90	$11.60
	7030	4		Cut-to-length for 3030	$2.60	$10.40
	7050	64		15 Series drill access hole	$1.95	$124.80
	7029	4		5/16-18 tap service for 3060	$15.20	$60.80
	7311	2		Anchor fastener notch for 10 Series	$0.53	$1.06
5	3380	32		15 Series 5/16-18 black zinc end fastener w/ screw	$1.60	$51.20
	2114	16		Gray T-Slot covers for 10 Series	$3.45	$55.20
	2050	8		End caps for 3030	$1.85	$14.80
	3395	4		10 Series anchor fasteners	$2.90	$11.60
	3279	5		15 Series 5/16-18 black zinc double economy T-nut	$0.79	$3.95
	4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	3393	24		10 Series 1/4-20 BHSCS & economy T-nut	$0.40	$9.60
				TOTAL		$1549.17

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 147-202 • 2 - Custom Parts = Pages 203-220 • 3 - Panels = Pages 349-432
4 - Machining Services = Pages 559-608 • 5 - Accessories & Tools = Pages 433-456 & 549-558

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Calculate Panel Area

Since all panels are sold by the square foot, the most important step when ordering panels from 80/20® is calculating the panel's area. To round up your specific panel size, refer to the quick reference panel size chart on page 432.

Example: **14**" (Length) x **31**" (Width) Rounded Up To **18**" (Length) x **36**" (Width)

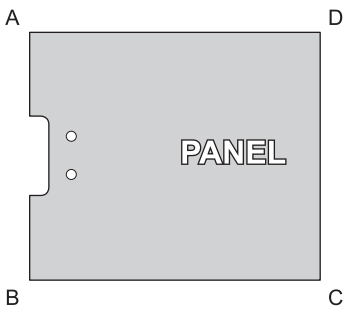
18" x **36**" = **4.50** Sq. Ft.

Specifying Machining On A Drawing

When submitting a panel drawing, please place a call out letter on each corner of your panel. Notice in the example at right that the width and length are referenced by their specified call outs.

Beginning with the upper left corner, call outs are designated A, B, C, and D in a counterclockwise direction. Referencing these call outs when ordering machining allows for proper measuring of the service position.

In this example the service center line is measured down from the "A" call out.



Ordering Example:
2609 (1) @ (AD) 36.000" x (AB) 24.000"
w/ 7313 on Side AB @ 12.000"

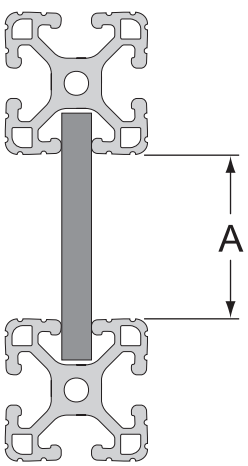
Panel Sizing Tip

When sizing a panel that will be inserted into a profile's T-slot be sure to add extra material to your visible panel size.

Example:

All four sides of the panel will recess inside the 10 Series profile's T-slot. The visible size of the panel will be 24" x 24"; we add .50" to the "**A**" dimension of the panel that will recess into the T-slot. Our total panel size will now be 24.5" x 24.5"

Add .50" to "A" for 10 Series
Add .75" to "A" for 15 Series



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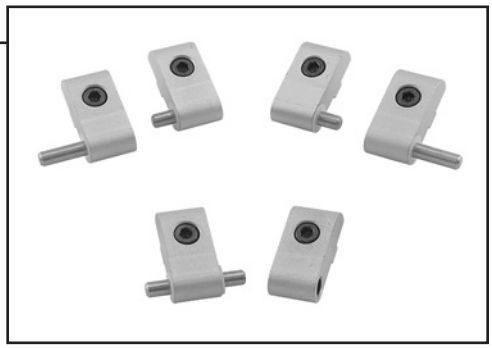
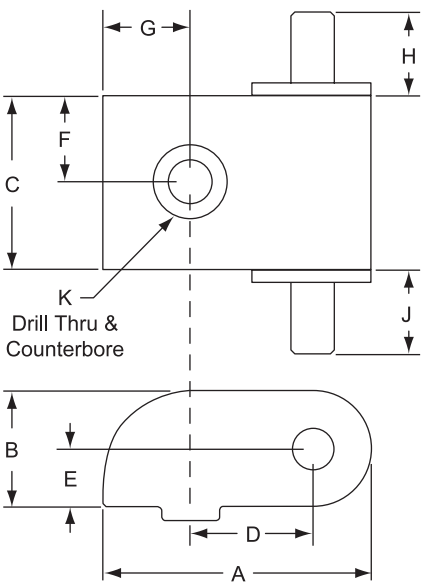
Lift-Off Hinges

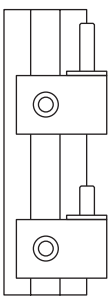
- **10 and 15 Series compatible**
- **All required fasteners included**
- **Hinge body made of 6105-T5 anodized aluminum with permanently lubricated bronze bushings**
- **Heavy-duty stainless steel hinge pins provide strength, long life, and smooth operation**
- **Captivated nylon thrust washer eliminates metal-to-metal contact and won't fall out**
- **Positioning long pin in upper position simplifies door assembly**



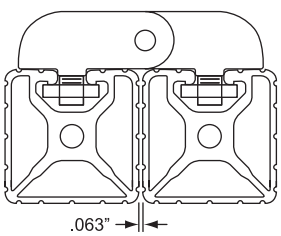
⊠ = 10 Series Compatible Part



Note: Position the long pin in the upper position to simplify door assembly.



Note: The distance of the gap between the two mating profiles will equal .063" for 10 Series, 15 Series and transitions of both Series.



Part No.	A	B	C	D	E	F	G	H	J	K	Lbs.
2073 ⊠	1.156	.500	.750	.529	.250	.375	.377	–	.750	10-32 SHCS	.060
2074 ⊠	1.156	.500	.750	.529	.250	.375	.377	.750	–	10-32 SHCS	.060
2075 ⊠	1.156	.500	.750	.529	.250	.375	.377	–	.360	10-32 SHCS	.055
2076 ⊠	1.156	.500	.750	.529	.250	.375	.377	.360	–	10-32 SHCS	.055
2077 ⊠	1.156	.500	.750	.529	.250	.375	.377	–	–	10-32 SHCS	.050
2078 ⊠	1.156	.500	.750	.529	.250	.375	.377	.360	.360	10-32 SHCS	.065
2093	1.655	.500	.750	.780	.250	.375	.625	–	.750	1/4-20 SHCS	.085
2094	1.655	.500	.750	.780	.250	.375	.625	.750	–	1/4-20 SHCS	.085
2095	1.655	.500	.750	.780	.250	.375	.625	–	.360	1/4-20 SHCS	.080
2096	1.655	.500	.750	.780	.250	.375	.625	.360	–	1/4-20 SHCS	.080
2097	1.655	.500	.750	.780	.250	.375	.625	–	–	1/4-20 SHCS	.075
2098	1.655	.500	.750	.780	.250	.375	.625	.360	.360	1/4-20 SHCS	.090

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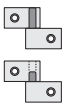
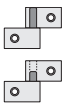
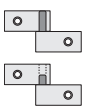
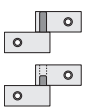
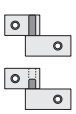
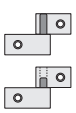
Standard Lift-Off Hinge Assemblies

- **Mounting hardware included**

⊠ = 10 Series Compatible Part

		Individual Part No.											
		2073 ⊠ Long	2074 ⊠ Long	2075 ⊠ Short	2076 ⊠ Short	2077 ⊠ No Pin	2078 ⊠ 2 Pin	2093 Long	2094 Long	2095 Short	2096 Short	2097 No Pin	2098 2 Pin
Complete Assembly Part No.	2064 ⊠ Right Hinge Long Pin Top Short Pin Bottom .215 Lbs. 	1		1		2							
	2065 ⊠ Left Hinge Long Pin Top Short Pin Bottom .215 Lbs. 		1		1	2							
	2066 ⊠ Heavy-Duty Hinge .160 Lbs. Captivates Door			1	1	1							
	2104 Right Hinge Long Pin Top Short Pin Bottom .320 Lbs. 							1		1		2	
	2105 Left Hinge Long Pin Top Short Pin Bottom .320 Lbs. 								1		1	2	
	2106 Heavy-Duty Hinge .240 Lbs. Captivates Door									1	1	1	
Transition Assembly Part No.	2101 ⊠ Right Hinge Long Pin Top Short Pin Bottom .270 Lbs. 					2		1		1			
	2102 ⊠ Left Hinge Long Pin Top Short Pin Bottom .270 Lbs. 					2			1		1		
	2103 ⊠ Heavy-Duty Hinge .215 Lbs. Captivates Door					1				1	1		

6

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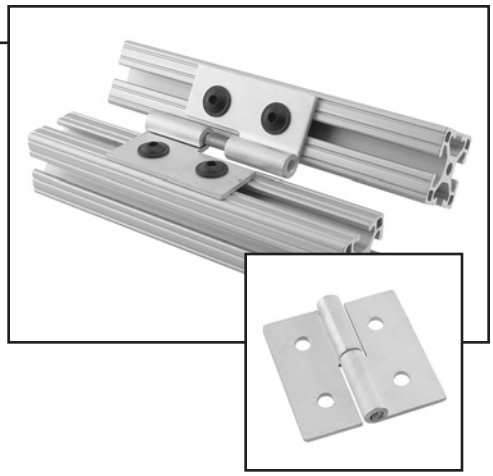
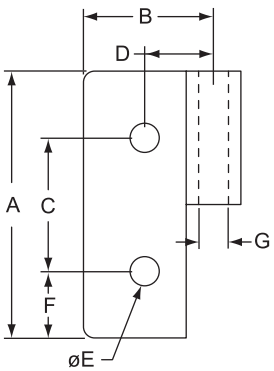
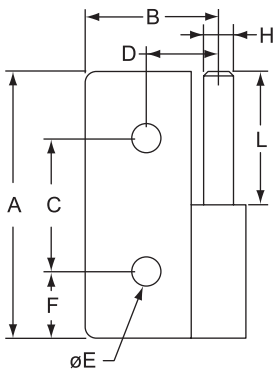
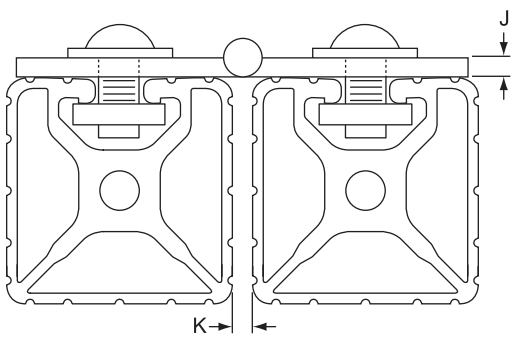
Economy Lift-Off Hinges

- **10 and 15 Series compatible**
- **Aluminum with clear anodize finish**
- **Aluminum pin, long or short pin lengths**
- **Available in both right and left hand options**
- **Cost-effective option for lightweight doors and on-site assembly**
- **10 Series offers 40 Lbs. capacity**
  15 Series offers 70 Lbs. capacity









6

Part No.	Type	A	B	C	D	E	F	G	H	J	K	L	Capacity
2830 ⊠	Left Hinge Short Pin	2.000	1.000	1.000	.469	.281 (4)	.500	.195	.187	.093	.063	.500	40 Lbs.
2831 ⊠	Left Hinge Long Pin	2.000	1.000	1.000	.469	.281 (4)	.500	.195	.187	.093	.063	1.000	40 Lbs.
2832	Left Hinge Short Pin	3.000	1.500	1.500	.812	.328 (4)	.750	.250	.255	.120	.120	.750	70 Lbs.
2833	Left Hinge Long Pin	3.000	1.500	1.500	.812	.328 (4)	.750	.250	.255	.120	.120	1.500	70 Lbs.
2835 ⊠	Left Hinge Assembly	–	–	–	–	–	–	–	–	–	–	–	–
2836	Left Hinge Assembly	–	–	–	–	–	–	–	–	–	–	–	–
2837 ⊠	Right Hinge Short Pin	2.000	1.000	1.000	.469	.281 (4)	.500	.195	.187	.093	.063	.500	40 Lbs.
2838 ⊠	Right Hinge Long Pin	2.000	1.000	1.000	.469	.281 (4)	.500	.195	.187	.093	.063	1.000	40 Lbs.
2839	Right Hinge Short Pin	3.000	1.500	1.500	.812	.328 (4)	.750	.250	.255	.120	.120	.750	70 Lbs.
2840	Right Hinge Long Pin	3.000	1.500	1.500	.812	.328 (4)	.750	.250	.255	.120	.120	1.500	70 Lbs.
2841 ⊠	Right Hinge Assembly	–	–	–	–	–	–	–	–	–	–	–	–
2842	Right Hinge Assembly	–	–	–	–	–	–	–	–	–	–	–	–

Note: Hinge assemblies include (2) hinges, one long pin, and one short pin.

⊠ = 10 Series Compatible Part

Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

	Lift-Off Hinge Part No.											
Bolt Kit No.	2830	2831	2832	2833	2835	2836	2837	2838	2839	2840	2841	2842
3386 ⊠	4	4	–	–	8	–	4	4	–	–	8	–
3319	–	–	4	4	–	8	–	–	4	4	–	8

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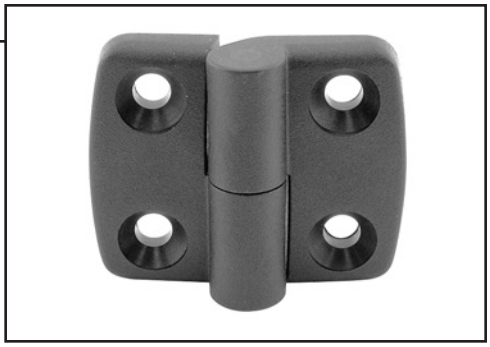
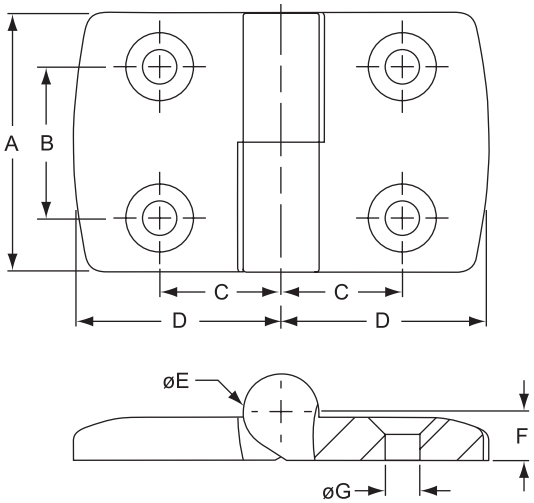
Plastic Lift-Off Hinges

- **Fiberglass-reinforced black nylon with stainless steel pin**
- **Available in both right and left hand options**
- **Suitable for plastic panels and lightweight doors to T-slotted profiles**
- **Refer to chart for extrusion compatibility**





Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description	Hinge Part No.	Location
3419	2	1/4-20 x 1/2 FHSCS & Slide-In T-nut	12101-12105	T-slot
3409	2	1/4-20 x 5/8 FHSCS & Drop-In T-nut	12119-12132	T-slot
3417	2	1/4-20 x 3/4 FHSCS, Hex Nut & Washer	All	1/4" Panel

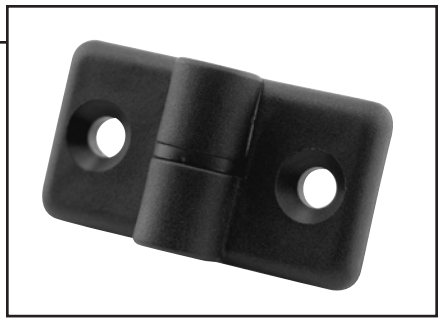
Part No.	Slot Tab	Position	A	B	C	D	E	F	G	Max. Load	Lbs.	Compatibility Code*
12101	None	Left	1.890	1.102	.590	1.024	.551	.354	.260	18 ft-Lbs.	.07	6-10 6-25
12102	.236	Left										
12104	None	Right										
12105	.236	Right										
12119	None	Left			.787	1.397				25 ft-Lbs.	.08	8-15*
12120	.315	Left										
12122	None	Right										
12123	.315	Right										
12128	None	Left			.886	1.515					.09	8-15 8-40
12129	.315	Left										
12131	None	Right										
12132	.315	Right										

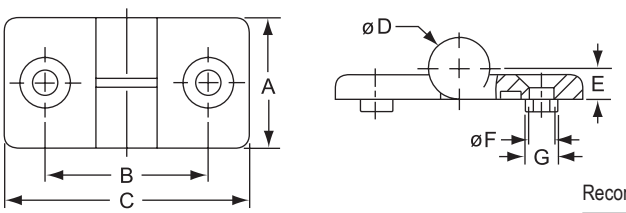
* Gap between profiles is 1.9mm. See Introduction to Hinges on pages 352-353.

* See Compatibility Code information on page 351.

Plastic Lift-Off Hinges

- Fiberglass-reinforced black nylon with stainless steel pin
- Available in both right and left hand options
- for hinging 2 T-slotted profiles
- 15 Series compatible





Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

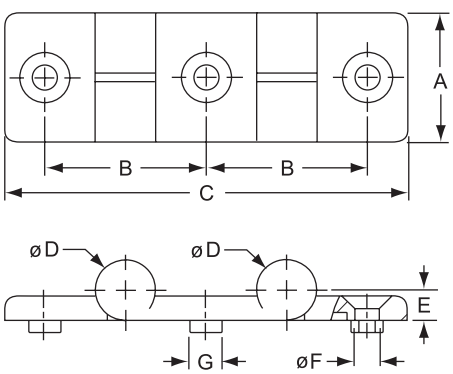
Part No.	Qty	Description	Location
3409	2	1/4-20 x 5/8 FHSCS & Drop-In T-nut	T-slot

Part No.	A	B	C	D	E	F	G (Slot Tab)	Position	Max. Load	Lbs.	Compatibility Code*
12072	1.260	1.575	2.362	.590	.295	.252	.315	Left	20 ft-Lbs.	.05	8-15**
12073								Right			

** Gap between profiles is 1.9mm. See Hinge Tips on pages 352-353

Plastic Double Lift-Off Hinge

- Fiberglass-reinforced black nylon with stainless steel pin
- Available in both right and left hand options
- 15 Series compatible



Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description	Location
3409	2	1/4-20 x 5/8 FHSCS & Drop-In T-nut	T-slot

Part No.	A	B	C	D	E	F	G (Slot Tab)	Max. Load	Lbs.	Compatibility Code*
12071	1.260	1.575	3.937	.590	.295	.252	.315	20 ft-Lbs.	.08	8-15**

** Gap between profiles is 1.9mm. Introduction to Hinges on pages 352-353.

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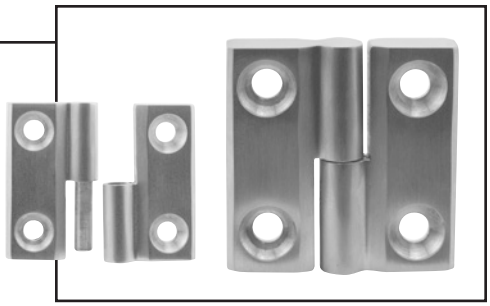
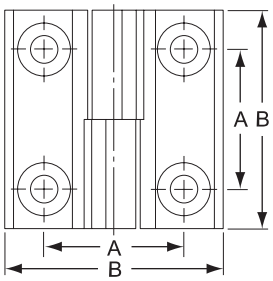
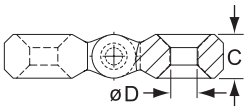
Lift-Off Hinge

- **Stainless steel**
- **Countersunk for use as a left hand or right hand hinge**







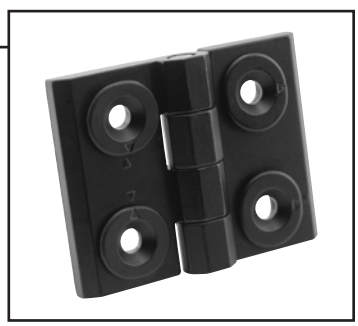
Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

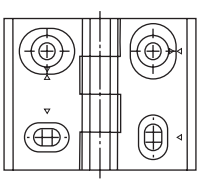
Part No.	Qty	Description
3648	4	1/4-20 x 5/8" FHSCS & Roll-In T-nut

Part No.	A	B	C	D	Max. Load	Lbs.	Compatibility Code*
12095	1.260	1.968	.394	.252	221.0 ft-Lbs.	.34	6-10, 6-25

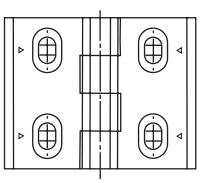
Standard 2-D Hinge

- **Die cast zinc with black powder coat**
- **Adjustable mount allows vertical or horizontal adjustment with slots**
- **15 and 40 Series compatible**

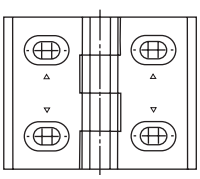




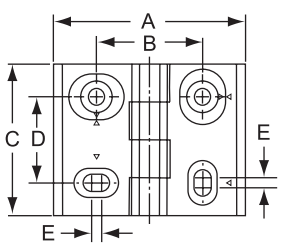
12068

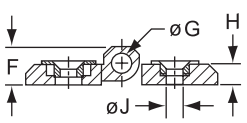


12069



12070





Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description
3407	4	1/4-20 x 3/4" FHSCS & Drop-In T-nut

Part No.	Adjustable	A	B	C	D	E	F	G	H	J	Max. Load	Lbs.	Compatibility Code*
12068	Vert. & Horiz.	2.99	1.653	2.362	1.338	.157	.590	.315	.335	.260	221 ft-Lbs.	0.42	8-15 8-40
12069	Vert. Only												
12070	Horiz. Only												

* See Compatibility Code information on page 351.

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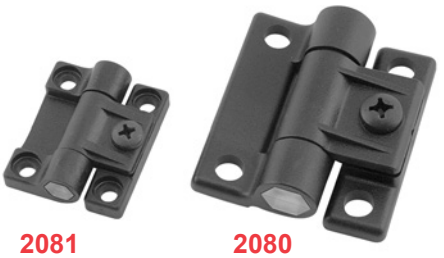
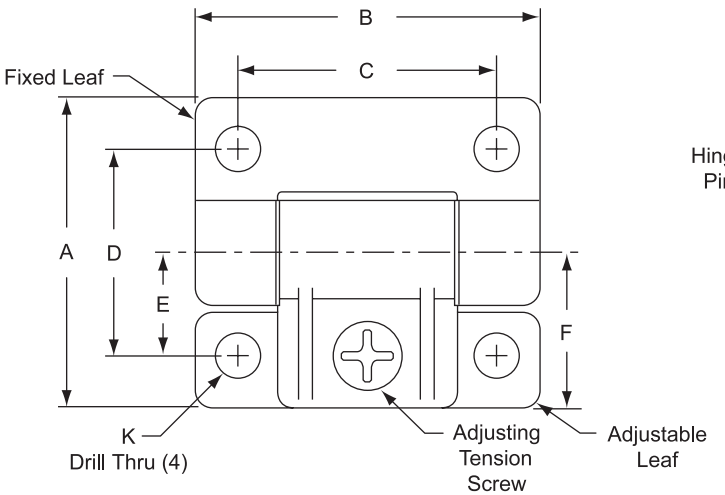
Adjustable Hinges

- **10 and 15 Series compatible**
- **Body made of black acetal with clear polycarbonate hinge pins**
- **Durable yet economical, allows you to adjust pivot tension**
- **Hinges mount plastic panels and lightweight doors to T-slotted profiles**
- **See page 598 for panel machining details**



Note: These hinges are not suitable for hinging T-slotted profiles together.



Part No.	A	B	C	D	E	F	G	H	J	K	Lbs.
2081 ⊠	1.440	1.690	1.250	1.000	.500	.720	.500	.230	.270	.197	.030
2080	2.250	2.500	1.880	1.500	.750	1.125	.770	.200	.410	.328	.100

⊠ = 10 Series Compatible Part

Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description
3457 ⊠	2	10-32 x 3/8" SHCS & Economy T-Nut
3365	2	5/16-18 x 5/8" BHSCS & Economy T-Nut

Recommended Bolt Assembllies Per Leaf (Hinge to 1/4" Panel):

Part No.	Qty	Description
3459 ⊠	2	10-32 x 3/8" SHCS & Hex Nut
3442	2	5/16-18 x 3/4" BHSCS & Hex Nut

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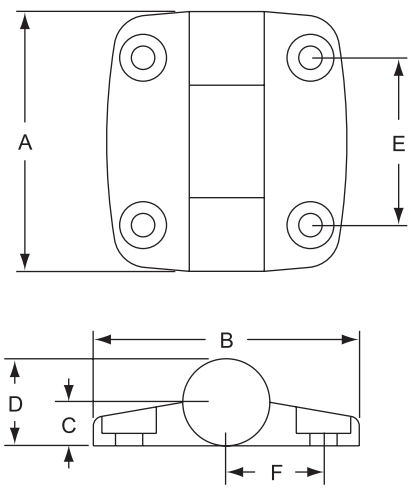
Detent Hinges

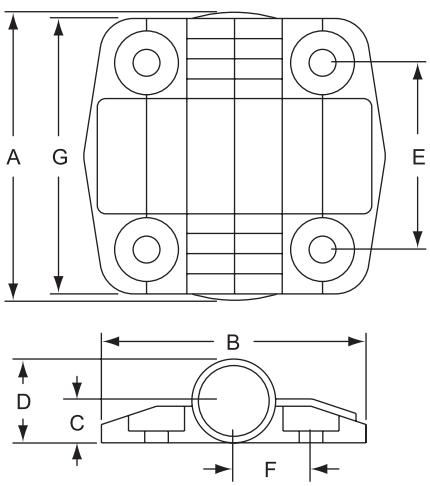
- **10 and 15 Series compatible**
- **Hold doors closed and open at 120° and 170° for hands-free access**
- **Snap-on cover hides mounting hardware**
- **Aluminum door stop block with mounting hardware included**
- **See page 598 for panel machining service**

Note: These hinges are not suitable for hinging T-slotted profiles together.

10 Series Detent Hinge
(.188 Drill Thru Required For Panels)



15 Series Detent Hinge
(.250 Drill Thru Required For Panels)



Part No.	A	B	C	D	E	F	G	Lbs.
2071 ⊠	1.940	1.710	.280	.550	1.250	.500	–	.090
2091	2.050	2.240	.410	.730	1.340	.670	1.970	.140

⊠ = 10 Series Compatible Part

Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description
3483 ⊠	2	8-32 x 3/8" BHSCS & Economy T-Nut
3487	2	10-32 x 1/2" BHSCS & Economy T-Nut

Recommended Bolt Assembllies Per Leaf (Hinge to 1/4" Panel):

Part No.	Qty	Description
3489 ⊠	2	8-32 x 1/2" BHSCS & Hex Nut
3488	2	10-32 x 5/8" BHSCS & Hex Nut

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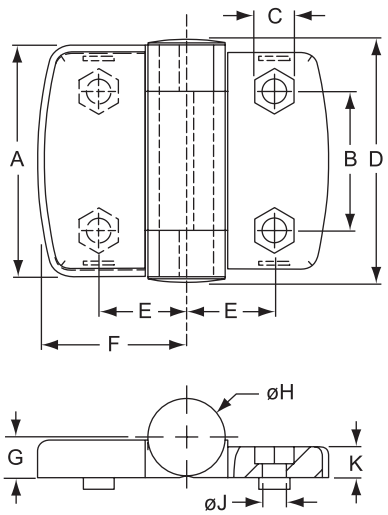
Detent Positioning Hinges

- **Fiberglass-reinforced black nylon with cover caps and die-cast zinc pin**
- **Snap-on cover hides mounting hardware**
- **15 and 40 Series compatible**
- **Detent at 0°, 85° or 175°**



Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description	Hinge Part No.	Location
3418	2	1/4-20 x 5/8" BHSCS & Econ. T-nut	12326-12327	T-Slot
3469	2	1/4-20 x 3/4" BHSCS, Hex Nut & Washer		1/4" Panel

Part No.	Slot Tab	A	B	C	D	E	F	G	H	J	K	Max. Load	Lbs.	Compatibility Code*
12326	None	2.205	1.417	.402	2.480	.895	1.447	.413	.787	.252	.315	14.7 ft-Lbs.	0.21	8-15, 8-40
12327	.315													

* See Compatibility Code information on page 351.

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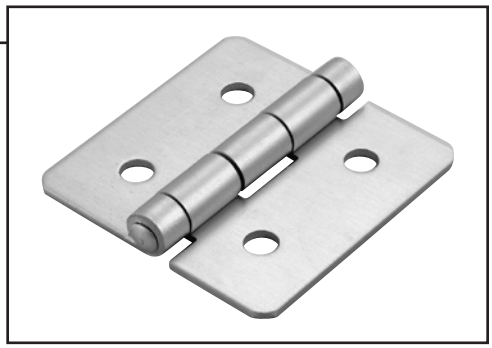
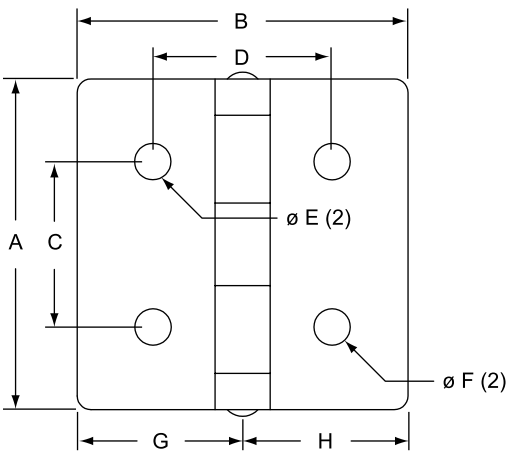
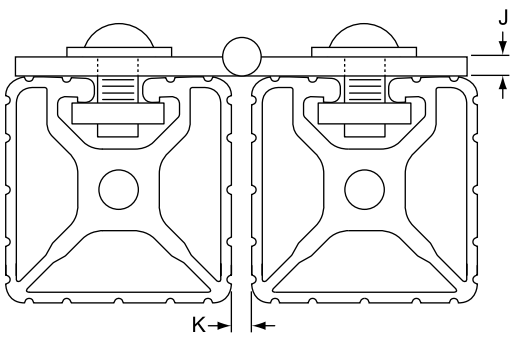
Aluminum Hinges

- **10 and 15 Series compatible**
- **Part No. 2084 transitions from 10 to 15 Series**
- **Clear anodize finish**
- **10 Series maximum load capacity is 40 lbs.**
  15 Series maximum load capacity is 75 lbs.
- **Mount heavier doors or even two profiles side by side**







Part No.	A	B	C	D	E	F	G	H	J	K	Capacity	Lbs.
2086 ⌘	2.000	2.000	1.000	1.063	.257 (2)	.257 (2)	1.000	1.000	.078	.063	40 Lbs.	.055
2085	3.000	3.000	1.500	1.625	.328 (2)	.328 (2)	1.500	1.500	.125	.125	70 Lbs.	.170
2084 ⌘	3.000	2.500	1.500	1.375	.328 (2)	.257 (2)	1.500	1.000	.125	.125	75 Lbs.	.150

⌘ = 10 Series Compatible Part

Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

	Hinge Part No.		
Bolt Kit No.	2086	2085	2084
3386 ⌘	4	–	2
3319	–	4	2

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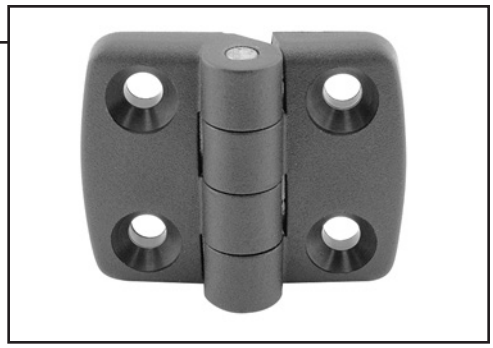
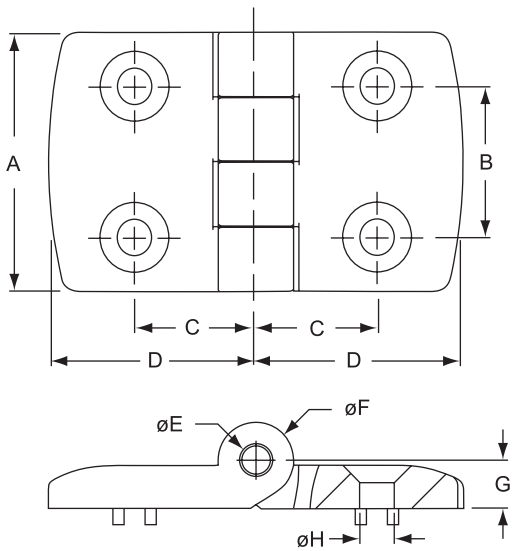
Plastic Standard Hinges

- **Fiberglass-reinforced black nylon with stainless steel pin**
- **Hinges plastic panels or T-slotted extrusions**
- **10, 15, 25 and 40 Series compatible**





Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description	Hinge Part No.	Location
3419	2	1/4-20 x 1/2 FHSCS & Slide-In T-nut	12098-12099	T-slot
3417	2	1/4-20 x 3/4 FHSCS, Hex Nut & Washer		1/4" Panel
3409	2	1/4-20 x 5/8 FHSCS & Drop-In T-nut	12116-12126	T-slot
3417	2	1/4-20 x 3/4 FHSCS, Hex Nut & Washer		1/4" Panel

Part No.	Slot Tab	A	B	C	D	E	F	G	H	Max. Load	Lbs.	Compatibility Code*
12098	None	1.890	1.102	.590	1.024	.236	.551	.354	.260	22 ft-Lbs.	.07	6-10, 6-25
12099	.236											
12116	None			.787	1.398					25 ft-Lbs.	.09	8-15*
12117	.315											
12125	None			.886	1.516					30 ft-Lbs.	.10	8-15, 8-40
12126	.315											

* Gap between profiles is 1.9mm. Introduction to Hinges on pages 352-353.

* See Compatibility Code information on page 351.

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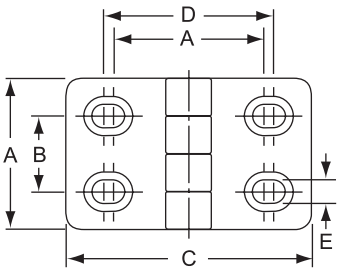
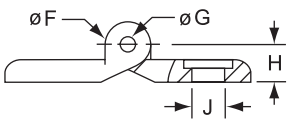
Plastic Standard Hinge

- Fiberglass-reinforced black nylon with stainless steel pin
- Hinges plastic panel doors or T-slotted extrusions
- Adjusts horizontally with slots
- 15 and 40 Series compatible





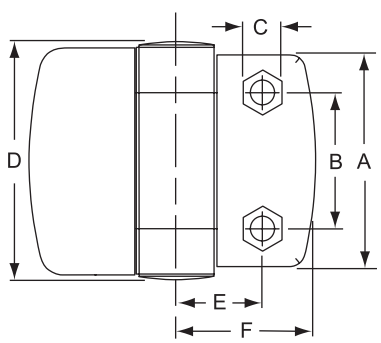
Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

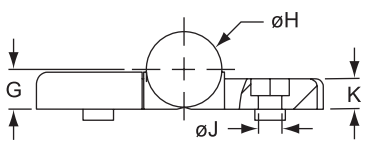
Part No.	Qty	Description	Location
3418	2	1/4-20 x 5/8" BHSCS & Econ. T-nut	T-Slot
3469	2	1/4-20 x 3/4" BHSCS, Hex Nut & Washer	1/4" Panel

Part No.	A	B	C	D	E	F	G	H	J	Max. Load	Lbs.	Compatibility Code*
12254	1.575	.787	2.559	1.772	.244	.472	.157	.394	.342	12.5 ft-Lbs.	.02	8-15, 8-40

Plastic Standard Hinge

- Fiberglass-reinforced black nylon with die-cast zinc pin
- Snap-on cover hides mounting hardware
- Hinges plastic panel doors or T-slotted extrusions
- 15 and 40 Series compatible





Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description	Hinge Part No.	Location
3418	2	1/4-20 x 5/8" BHSCS & Econ. T-nut	12165-12166	T-Slot
3469	2	1/4-20 x 3/4" BHSCS, Hex Nut & Washer		1/4" Panel

Part No.	Slot Tab	A	B	C	D	E	F	G	H	J	K	Max. Load	Lbs.	Compatibility Code*
12165	None	2.205	1.417	.402	2.480	.895	1.447	.413	.787	.252	.315	14.7 ft-Lbs.	.11	8-15, 8-40
12166	.315													

* See Compatibility Code information on page 351.

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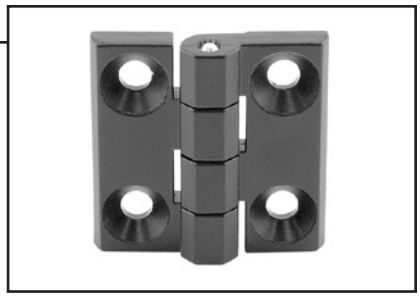
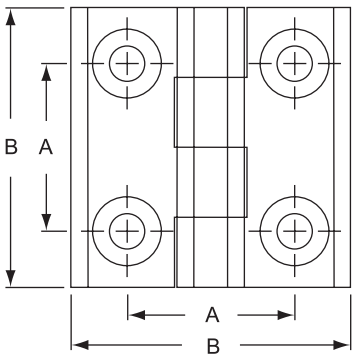
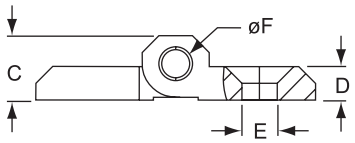
Standard Hinge



- **Die-cast zinc with black powder coat**
- **10 and 25 Series compatible**



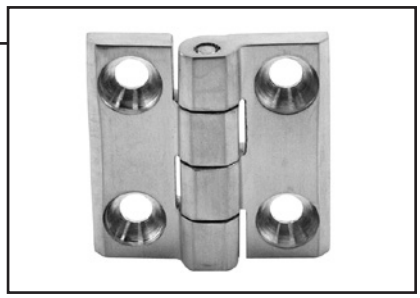


Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

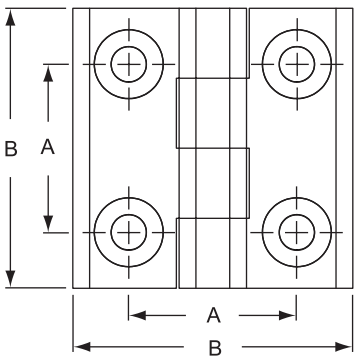
Part No.	Qty	Description
3414	2	1/4-20 x 1/2" FHSCS & Econ. T-nut

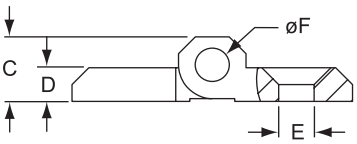
Part No.	A	B	C	D	E	F	Max. Load	Lbs.	Compatibility Code*
12256	1.181	1.969	.453	.236	.244	.236	36.8 ft-Lbs.	.20	6-10, 6-25

Standard Hinge



- **Stainless steel with plain finish**
- **10 and 25 Series compatible**





Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description
3639	2	1/4-20 x 1/2" FHSCS & Std. T-nut

Part No.	A	B	C	D	E	F	Max. Load	Lbs.	Compatibility Code*
12094	1.181	1.969	.453	.236	.244	.236	36.8 ft-Lbs.	.21	6-10, 6-25

* See Compatibility Code information on page 351.

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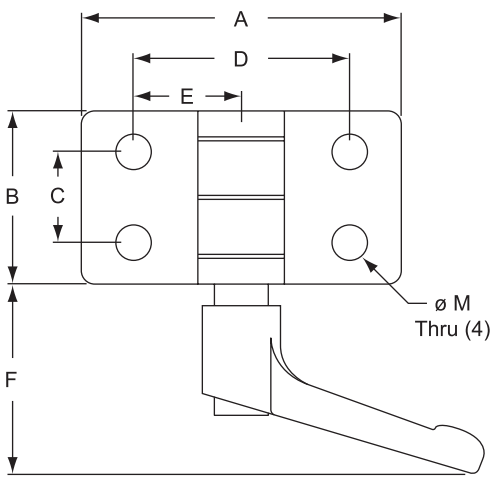
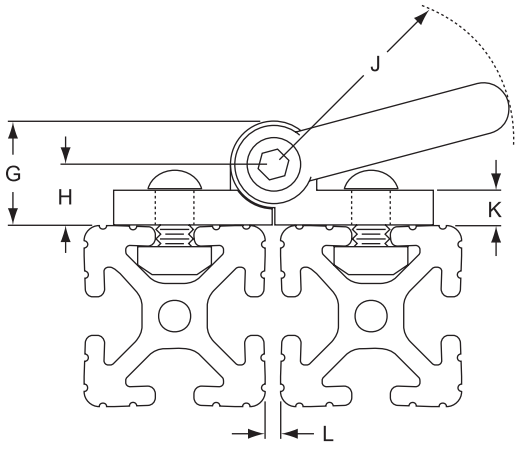
Combination Hinges

- **15 Series compatible**
- **Black powder-coated zinc die-cast hinge with stainless steel pin**
- **4488 features ratcheting clamp handle for locking hinge into position**





Part No.	A	B	C	D	E	F	G	H	J	K	L	M	Lbs.
4488	2.913	1.575	.827	1.772	.886	1.650	.954	.562	2.562	.312	.272	.323	.49
4489	2.913	1.575	.827	1.772	.886	N/A	.954	.562	N/A	.312	.272	.323	.42

Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description
3114	4	5/16-18 x 3/4" BHSCS
AND		
3203	4	5/16-18 Standard T-Nut

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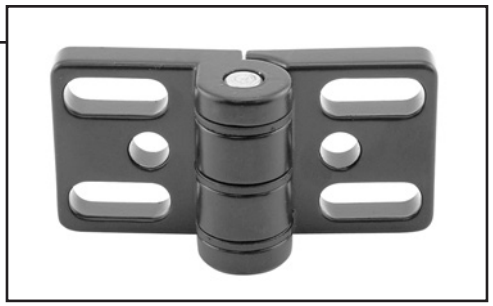
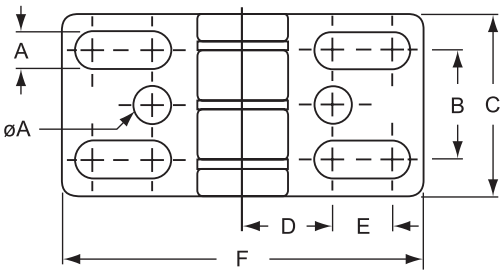
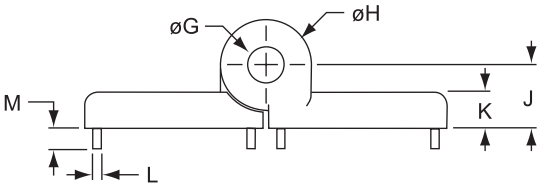
Standard Hinges

- **Die-cast zinc with black powder coat**
- **15 and 40 Series compatible**







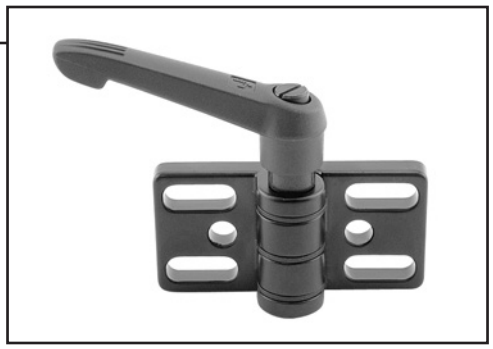
Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

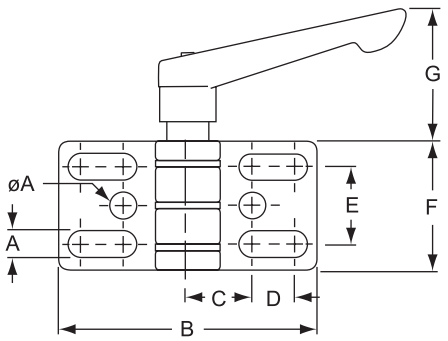
Part No.	Qty	Description	Hinge Part No.
3455	4	5/16-18 x 3/4" SHCS & Econ. T-nut	12084, 12088

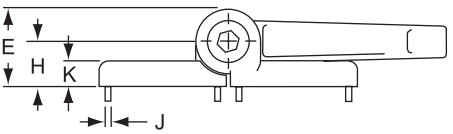
Part No.	Slot Tab	A	B	C	D	E	F	G	H	J	K	L	M	Max. Load	Lbs.	Compatibility Code*
12084	None	.327	.945	1.575	.787	.512	3.15	.315	.787	.551	.315	.071	.177	184 ft-Lbs.	.39	8-15, 8-40
12088	.315															

Standard Hinges with Locking Lever

- **Die-cast zinc with black powder coat**
- **15 and 40 Series compatible**







Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description	Hinge Part No.
3455	4	5/16-18 x 3/4" SHCS & Econ. T-nut	12085, 12086

Part No.	Slot Tab	A	B	C	D	E	F	G	H	J	K	Max. Load	Lbs.	Compatibility Code*
12085	None	.327	3.15	.787	.512	.945	1.575	1.614	.551	.071	.177	184 ft-Lbs.	.43	8-15, 8-40
12086	.315													

* See Compatibility Code information on page 351.

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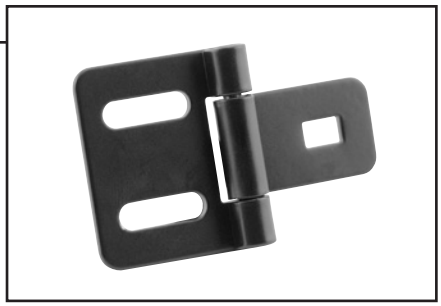
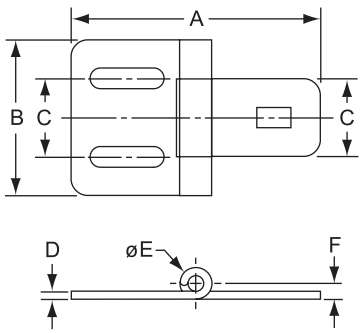
Standard Panel Hinge



- **Steel with black powder coat**
- **For plastic panel doors and light weight T-slotted extrusions**
- **15 and 40 Series compatible**



Recommended Bolt Assemblies Per Leaf (Hinge to 1/4" Panel):

Part No.	Qty	Description
N/A	1	M5 Screw, Nut & Washer Included

Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description
3487	2	10-32 x 1/2" BHSCS & Std. Slide-In T-nut

Part No.	A	B	C	D	E	F	Max. Load	Lbs.	Compatibility Code*
12097	2.520	.575	.787	.083	.323	.161	18.0 ft-Lbs.	.09	8-15, 8-40

80/20's Panel Shop Will Cut and Machine Your Panels to Meet Your Needs

- Quick turnaround time with our full-service panel shop
- Choice of 85+ panels in stock, or we'll order what you need
- No minimums – we'll cut panels to size
- Save on shipping cost – NO drops to store

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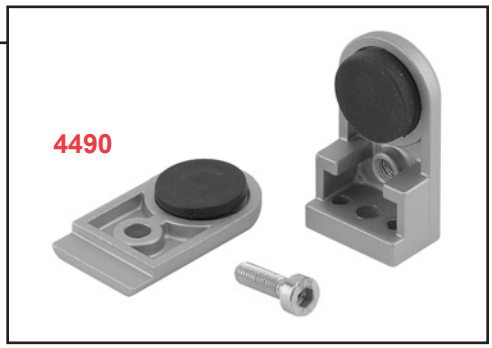
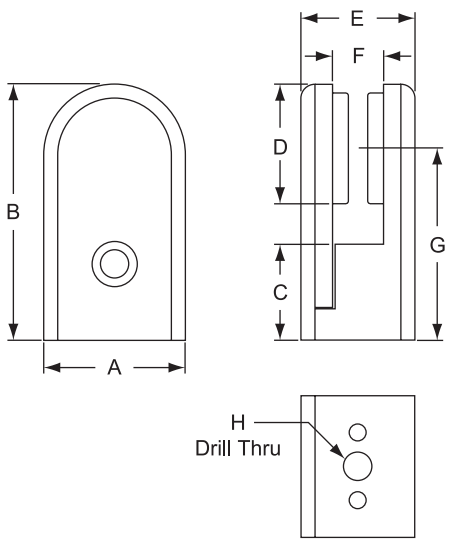
Glass Panel Holders

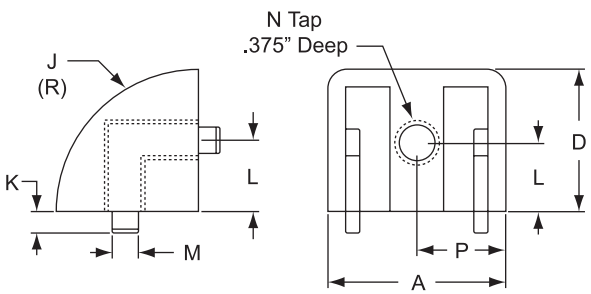
- **10 and 15 Series compatible**
- **4491 includes (2) M5 x 12 SHCS, for mounting to 4490 glass panel clamp**
- **Zinc Die-Cast with a gray powder-coated finish**
- **Fasten plastic panels from .078" to .393" thick**
- **Use 4490 and 4491 together for frameless plastic panel corner**



4490 Glass Panel Clamp



4491 Panel Clamp 90º Corner



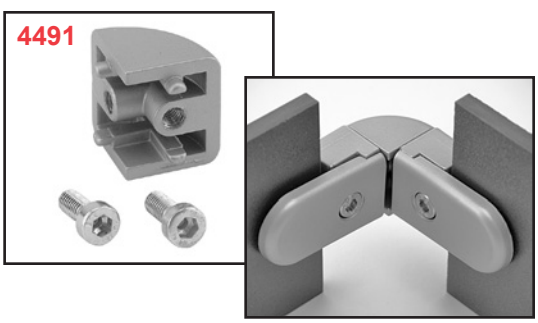
Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Lbs.
4490	.980	1.760	.670	.790	.820	.354	1.280	.214	-	-	-	-	-	-	.148
4491	.980	-	-	-	-	-	-	-	.790	.118	.395	.156	M5	.490	.076

Recommended 10 Series Hardware (Mount 4490 To Profile):

Part No.	Qty	Description
3050	1	10-32 x 1/2" BHSCS
AND		
3205	1	10-32 Standard T-Nut

Recommended 15 Series Hardware (Mount 4490 To Profile):

Part No.	Qty	Description
3051	1	10-32 x 5/8" BHSCS
AND		
3201	1	10-32 Standard T-Nut



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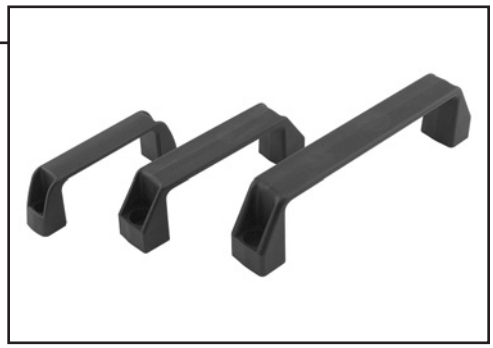
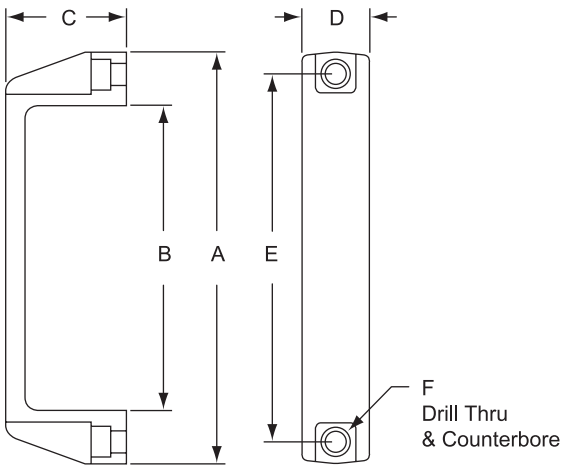
Plastic Door Handles



- **10 and 15 Series compatible**
- **Made of high strength black or red polycarbonate, making the handle light yet durable**
- **Corrosion-resistant material will stand up to outdoor weather**
- **Lightweight handle bolts directly onto T-slotted profiles or plastic panels**
- **See page 599 for panel machining service**



Part No.	Size	Color	A	B	C	D	E	F	Lbs.	Compatibility Code*
2060	Large	Black	7.750	6.020	2.000	1.100	7.050	5/16-18 SHCS (2)	.150	8-15, 8-40
2061	Medium	Black	5.470	3.690	1.630	1.020	4.600	5/16-18 SHCS (2)	.095	8-15, 8-40
2062 ⌘	Small	Black	4.410	2.950	1.420	.830	3.678	1/4-20 SHCS (2)	.055	6-10, 6-25
2880	Large	Red	7.750	6.020	2.000	1.100	7.050	5/16-18 SHCS (2)	.150	8-15, 8-40
2881	Medium	Red	5.470	3.690	1.630	1.020	4.600	5/16-18 SHCS (2)	.095	8-15, 8-40
2882 ⌘	Small	Red	4.410	2.950	1.420	.830	3.678	1/4-20 SHCS (2)	.055	6-10, 6-25

⌘ = 10 Series Compatible Part

Recommended Mounting Hardware (Mount to Profile):

Part No.	Qty	Description
3491 ⌘	2	1/4-20 x 1/2" SHCS & Economy T-Nut
3455	2	5/16-18 x 3/4" SHCS & Economy T-Nut

Recommended Mounting Hardware (Mount to 1/4" Panel):

Part No.	Qty	Description
3315 ⌘	2	1/4-20 x 7/8" SHCS w/ Washer & Hex Nut
3473	2	5/16-18 x 1" SHCS w/ Washer & Hex Nut

* See Compatibility Code information on page 351.

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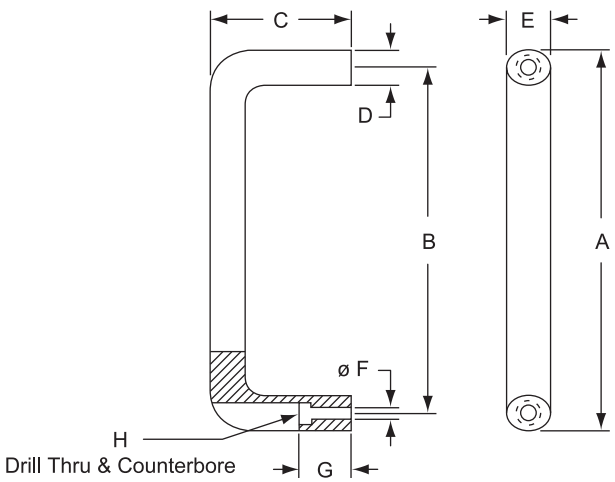
Aluminum Cabinet Handles

- **This 15 Series compatible part is available in two sizes**
- **Rigid, drawn aluminum design creates a smooth shape and durable finish**
- **Available in black or natural tumble finish**



Part No.	Finish	A	B	C	D	E	F	G	H	Lbs.
2884	Black	5.080	4.570	2.090	.670	1.020	.252	.670	M6 SHCS	.344
2885	Natural	5.080	4.570	2.090	.670	1.020	.252	.670	M6 SHCS	.344
2886	Black	6.970	6.460	2.240	.670	1.020	.252	.670	M6 SHCS	.447
2887	Natural	6.970	6.460	2.240	.670	1.020	.252	.670	M6 SHCS	.447

Recommended Mounting Hardware (Mount to Profile):

Part No.	Series	Qty	Description
3035	15	2	M6 x 20mm SHCS & Economy T-Nut
3064	10	2	1/4-20 x 3/4" SHCS
3382	25	2	1/4-20 & Economy T-Nut

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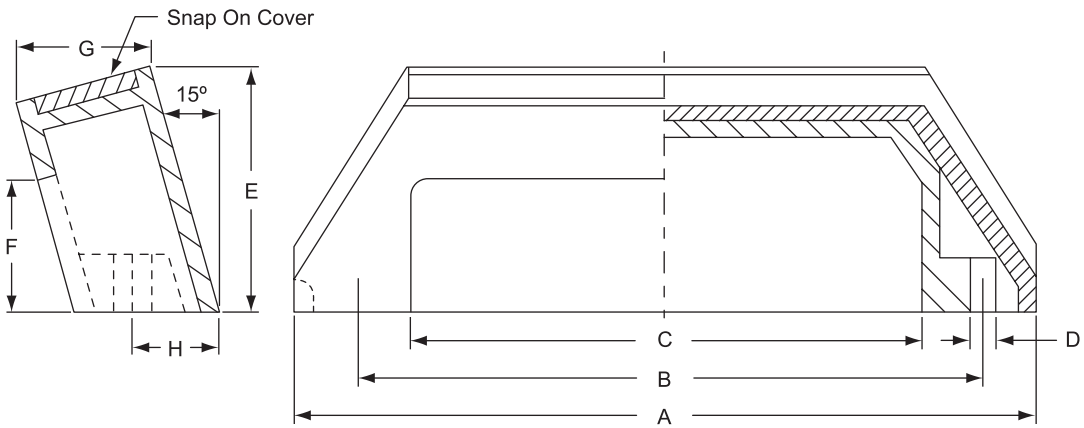
Offset Handle

- 10 and 15 Series compatible
- All mounting hardware included – Part No. 3065 (2), 3063 (2), and 3382 (2)
- Corrosion-resistant handles made of fiber reinforced technopolymer
- Bolt directly onto T-slotted profiles – ideal for bi-fold doors
- One side is solid, preventing finger-pinch injuries
- Orange snap-on cover hides mounting screws



Part No.	A	B	C	D	E	F	G	H	Lbs.
2079	5.120	4.290	3.460	ø.256	1.730	.940	.953	.585	.210

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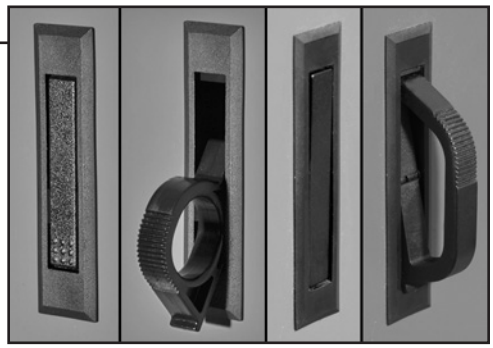
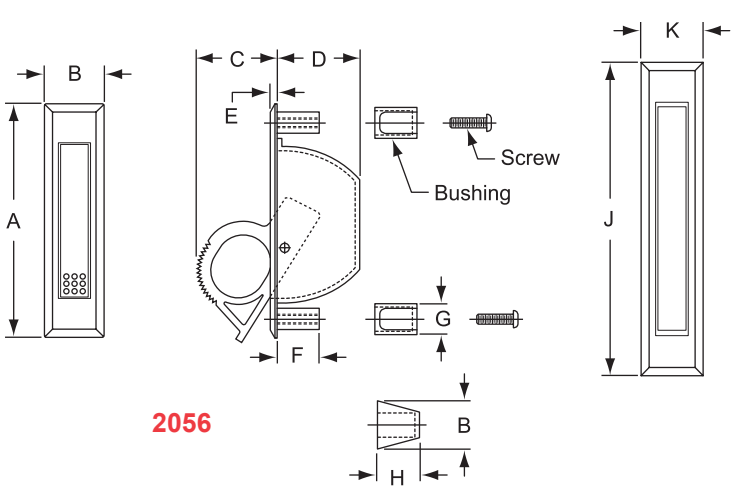
Flush Handles

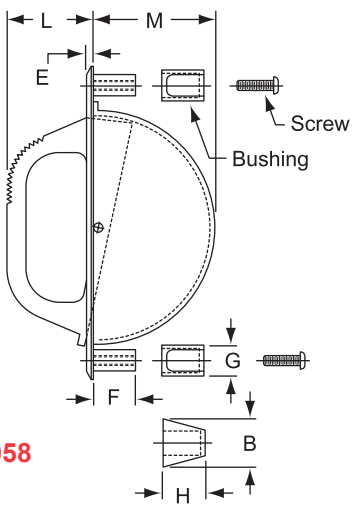
- **Two sizes available**
- **Mounts in panels 1/4" or less thick**
- **All mounting hardware included**
- **Housings made of black polymer**
- **2056 handle pull made of black polymer**
- **2058 handle pull made of black powder-coated aluminum**
- **See page 597 for panel machining service**



2056 2058



2056

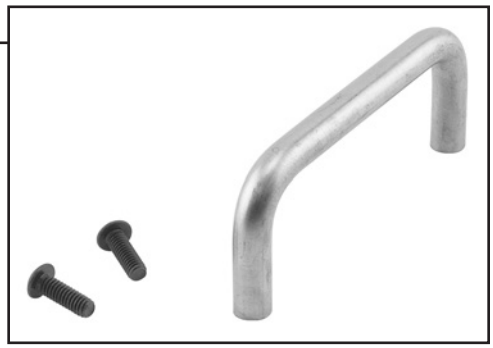


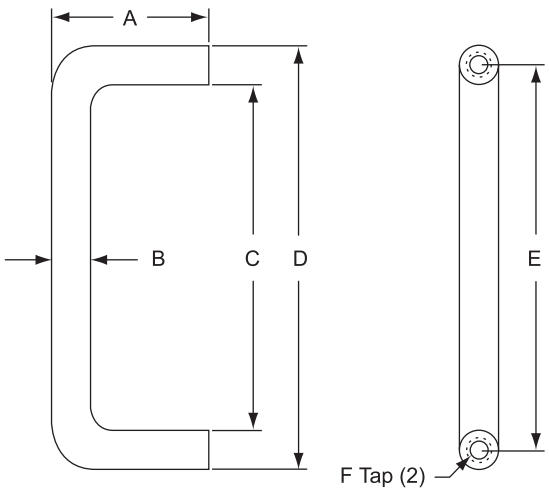
2058

Part No.	Size	A	B	C	D	E	F	G	H	J	K	L	M	Lbs.
2056	Small	3.190	.810	1.340	1.120	.090	.560	.410	.670	–	–	–	–	.095
2058	Medium	–	.810	–	–	.090	.560	.410	.670	4.190	.820	1.160	1.620	.150

Steel Door Handle

- **Bolts directly to plastic panels**
- **Compact size is ideal for low profile applications**
- **All mounting hardware included – (2) 8-32 x 1/2" BHSCS**
- **See page 599 for panel machining service**





Part No.	A	B	C	D	E	F	Lbs.
2070	1.230	.310	2.690	3.300	3.000	8-32 x .50 Deep	.105

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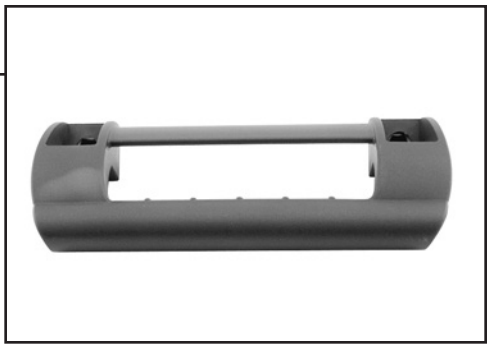
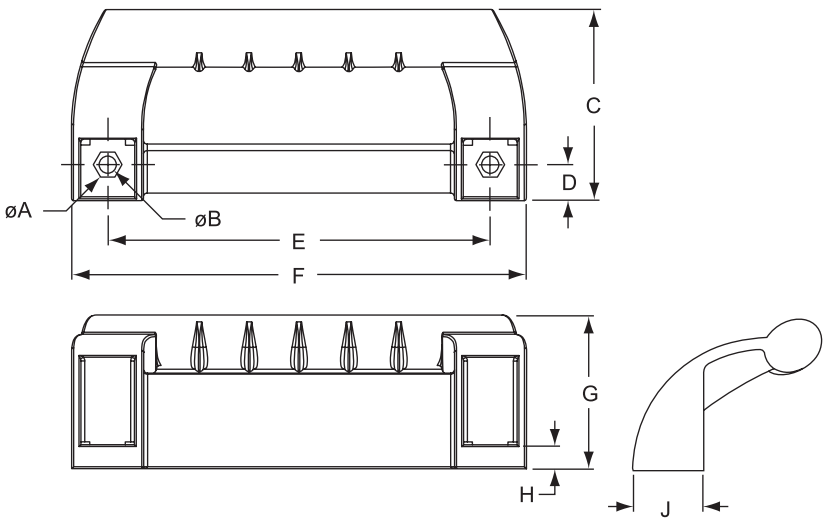
Large Ergonomic Handle

Fiberglass-Reinforced Nylon, Black

- **Ergonomic design with finger protection**
- **Cover caps hide mounting screws**

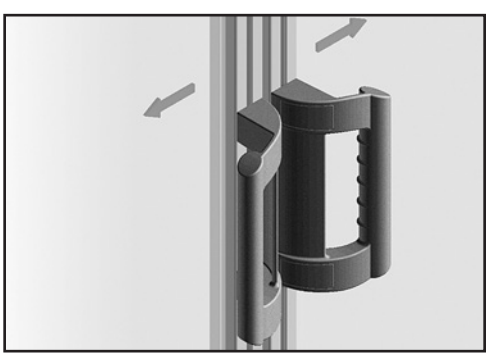




Part No.	A	B	C	D	E	F	G	H	J	Lbs.	Compatibility Code*
12000	.610	.343	3.937	.748	7.874	9.528	3.228	.492	1.496	.79	8-15

Recommended Mounting Hardware (Mount to Profile):

Part No.	Qty	Description
3452	2	5/16-18 x 5/8 SHCS & Econ. Slide-In T-nut



* See Compatibility Code information on page 351.

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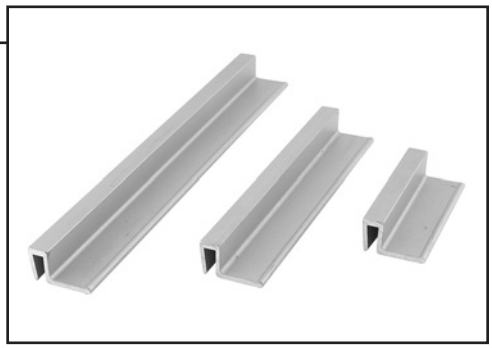
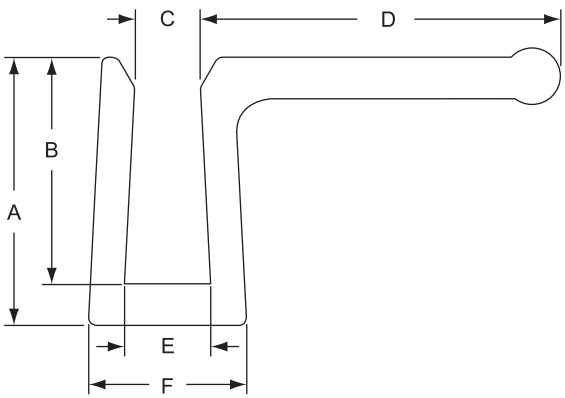
Aluminum Panel Handles

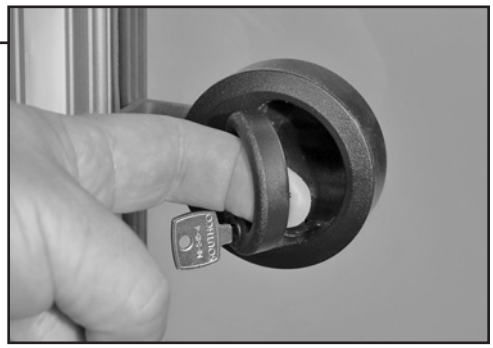
- **This lightweight handle easily mounts directly onto the end of 1/4" thick plastic panels**
- **Made of 6105-T5 clear anodized aluminum**
- **Custom lengths available – see page 219**



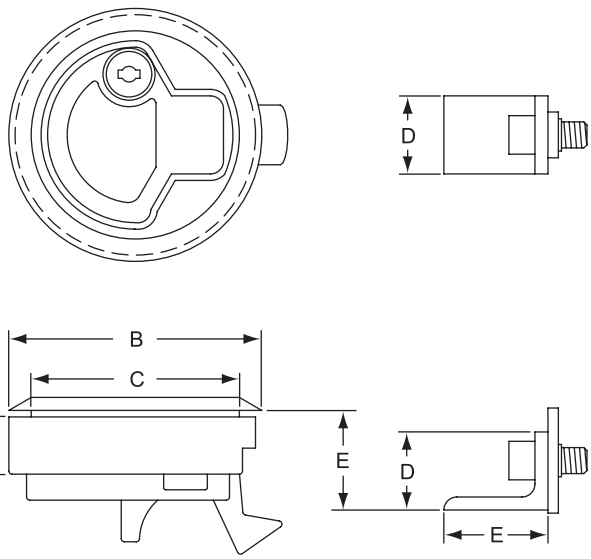


Part No.	Length	A	B	C	D	E	F	Lbs.
2780	3.000"	.710	.600	.181	.950	.240	.420	.075
2781	6.000"	.710	.600	.181	.950	.240	.420	.152
2782	9.000"	.710	.600	.181	.950	.240	.420	.228

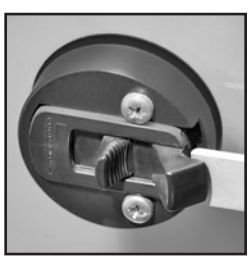
Locking Grabber Handle



- Mounts to .075" to .275" plastic panels and can be opened from inside of the door
- This high strength black polycarbonate provides a slam action latch, handle, and lock in one unit
- Striker plate and all mounting hardware is included
- See page 596 for panel machining service



Part No.	A	B	C	D	E	Lbs.
2730	.550	2.410	1.960	.750	1.000	.120



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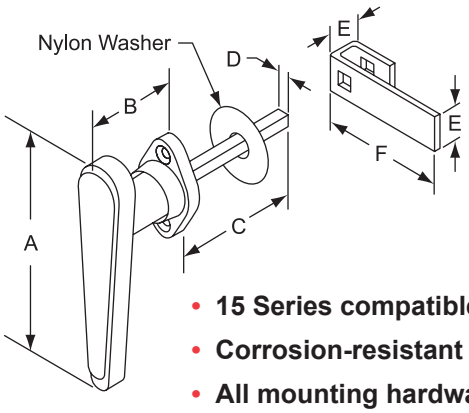
Deluxe Door Handles

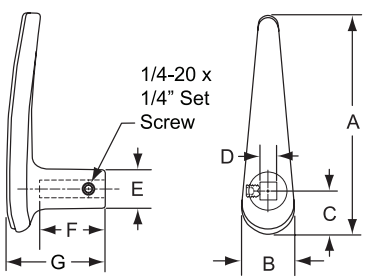


- 15 Series compatible
- Corrosion-resistant chrome finish
- All mounting hardware and pawl kit (2) 10-32 x 1.500” FHSCS included
- Requires furniture door latch machining service on page 576
- Easlily add an inside door handle (see below)

Part No.	Locking	A	B	C	D	E	F	Lbs.
2055	No	4.375	2.000	2.593	.312	.750	2.750	.685
2063	Yes	4.375	2.000	2.593	.312	.750	2.750	.685

Mating Inside Door Handle

- Mating inside handle for the Deluxe Door Handles
- 15 Series compatible
- Attaches to stem of opposing door handle with a set screw
- No additional machining required
- Ideal solution for office doors
- Chrome finish



Part No.	A	B	C	D	E Ø	F	G	Lbs.
2052	4.125	1.000	.813	.320	.719	1.250	1.875	.350

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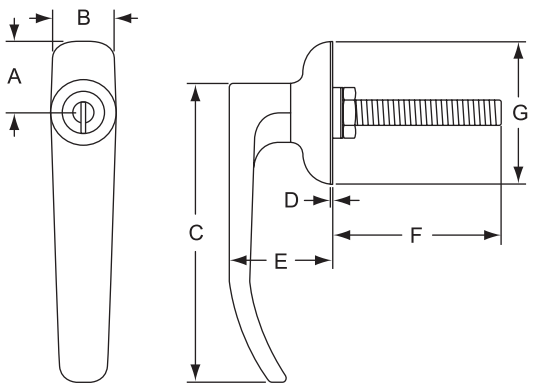
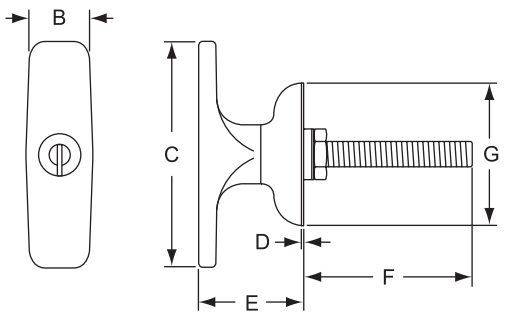
Furniture Handles

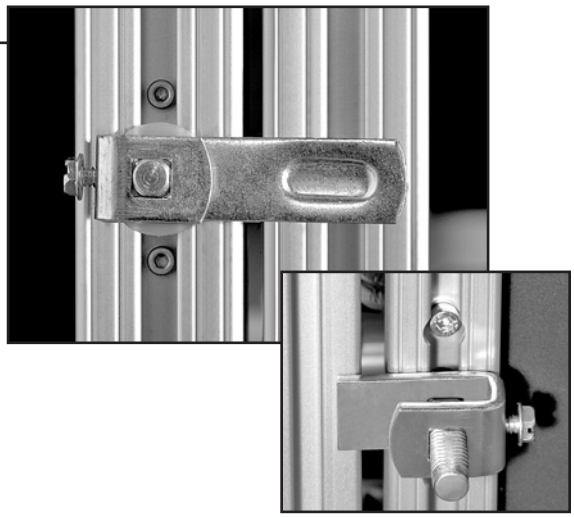
- **10 and 15 Series compatible**
- **Corrosion-resistant chrome-plated or matte black handles ideal for T-slot framed doors**
- **Allows for 90° of counter-clockwise rotation to latch door**
- **Requires furniture door latch machining service found on page 576**
- **Choose pawl kit that suits your needs – refer to page 383**



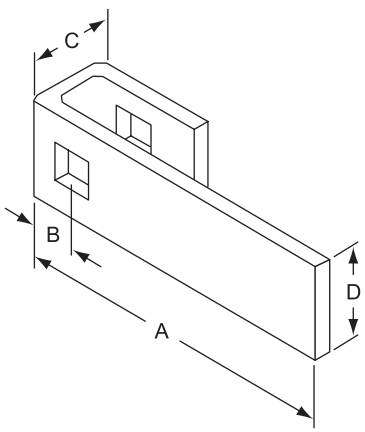


Part No.	Handle	Locking	Finish	Latching	A	B	C	D	E	F	G
2082	T	Yes	Chrome	Counter Clockwise	–	.980	3.310	.030	1.530	2.500	2.130
2083	T	No	Chrome		–	.980	3.310	.030	1.530	2.500	2.130
2087	L	Yes	Chrome		1.060	.980	4.430	.030	1.530	2.500	2.130
2089	L	No	Chrome		1.060	.980	4.430	.030	1.530	2.500	2.130
2952	T	Yes	Black		–	.980	3.310	.030	1.530	2.500	2.130
2953	T	No	Black		–	.980	3.310	.030	1.530	2.500	2.130
2957	L	Yes	Black		1.060	.980	4.430	.030	1.530	2.500	2.130
2959	L	No	Black		1.060	.980	4.430	.030	1.530	2.500	2.130
2932	T	Yes	Chrome	Clockwise	–	.980	3.310	.030	1.530	2.500	2.130
2933	T	No	Chrome		–	.980	3.310	.030	1.530	2.500	2.130
2937	L	Yes	Chrome		1.060	.980	4.430	.030	1.530	2.500	2.130
2939	L	No	Chrome		1.060	.980	4.430	.030	1.530	2.500	2.130
2922	T	Yes	Black		–	.980	3.310	.030	1.530	2.500	2.130
2923	T	No	Black		–	.980	3.310	.030	1.530	2.500	2.130
2927	L	Yes	Black		1.060	.980	4.430	.030	1.530	2.500	2.130
2929	L	No	Black		1.060	.980	4.430	.030	1.530	2.500	2.130

Furniture Handle Pawl Kits



- **10 Series Pawl Kits Include:**
  - (2) M4 x 22mm SHCS
  - (1) 1.00" Nylon Washer
- **15 Series & Standard Pawl Kits Include:**
  - (2) M4 x 30mm SHCS
  - (1) 1.00" Nylon Washer
- **Transition Pawl Kits Include:**
  - (2) M4 x 22mm SHCS
  - (2) M4 x 30mm SHCS
  - (1) 1.00" Nylon Washer
- **To order complete handle set, select handle type and desired pawl kit (list both on your order)**



Pawl Kits:

Part No.	Type	A	B	C	D
2761 ⌘	10 Series	1.250	.500	.687	.750
2765	15 Series	1.750	.500	.687	.750
2763 ⌘	Transition	1.500	.500	.687	.750
2760	Standard	2.750	.500	.687	.750

⌘ = 10 Series Compatible Part

	Chrome				Black			
Counter Clockwise Latching	**2082** T-Handle Locking	**2083** T-Handle Non-Locking	**2087** L-Handle Locking	**2089** L-Handle Non-Locking	**2952** T-Handle Locking	**2953** T-Handle Non-Locking	**2957** L-Handle Locking	**2959** L-Handle Non-Locking
Clockwise Latching	**2932** T-Handle Locking	**2933** T-Handle Non-Locking	**2937** L-Handle Locking	**2939** L-Handle Non-Locking	**2922** T-Handle Locking	**2923** T-Handle Non-Locking	**2927** L-Handle Locking	**2929** L-Handle Non-Locking

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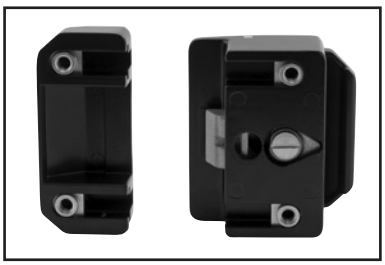
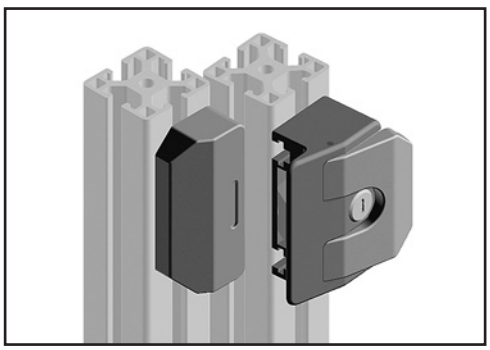
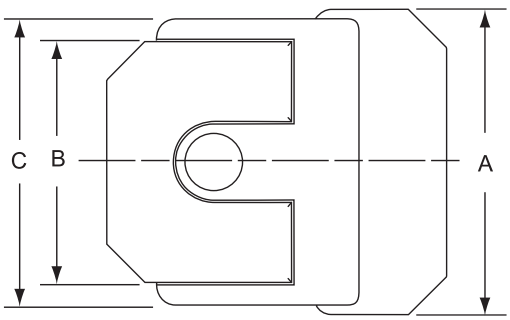
Slam Latch

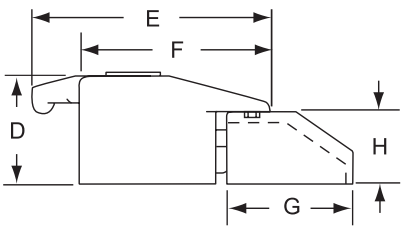
Die-Cast Zinc, Black Powder Coat

- **Low-profile slam latch mounts to T-slot door and frame from the back**
- **Four M6 T-nuts (supplied) placed in slots on back of latch**
- **Four thru holes required. See page 582 for machining service information**
- **Call out machining service(s) and mounting bolts for the profile series you are using**









Recommended Mounting Hardware:

Part No.	Qty	Description
11-6316	4	M6 x 16mm BHSCS
11-6042	4	M6 Washer

Part No.	Lock	A	B	C	D	E	F	G	H	Lbs.	Compatibility Code*
12090	keyed alike	3.150	2.539	2.953	1.181	2.598	2.087	1.378	.787	1.24	8-15, 8-40
12091	different key										
12092	without key										

* See Compatibility Code information on page 351.

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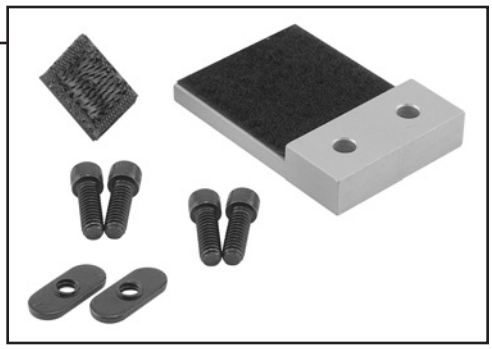
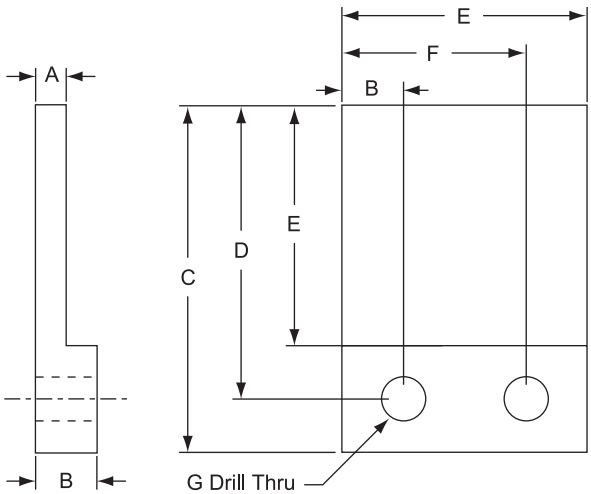
Velcro® Latch



- **10 and 15 Series compatible**
- **All mounting hardware included – Part No. 3064 (2), 3068 (2) and 3382 (2)**
- **Velcro® fabric bonded to clear anodized aluminum body**
- **Plastic "hook" receptacle twists into T-slot**
- **Ideal for display, enclosure and light-duty doors where easy access is required**



Part No.	A	B	C	D	E	F	G	Lbs.
2126	.250	.500	2.875	2.437	2.000	1.500	.257	.270

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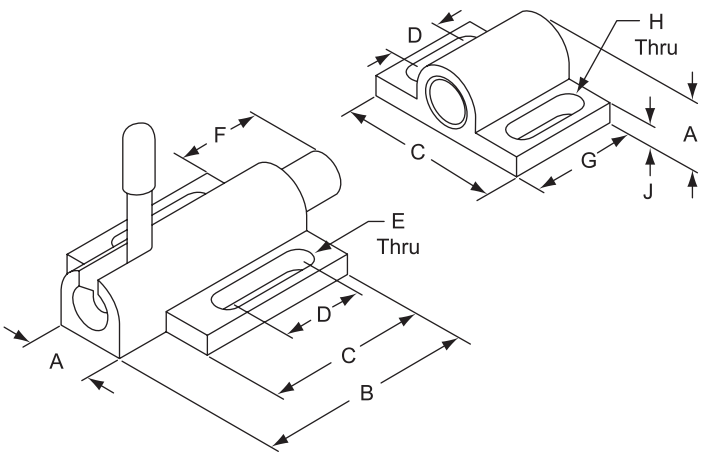
Deadbolt Latch

- **10 and 15 Series compatible**
- **All mounting hardware included – Part No. 3062 (4) and 3382 (4)**
- **Clear anodized 6105-T5 aluminum body supports S/S bolt, spring, and ø.386 pin**
- **Positive spring-loaded deadbolt ideal for guarding and enclosure applications**



Part No.	A	B	C	D	E	F (Bolt Travel)	G	H	J	Lbs.
2053	.625	2.000	1.500	.500	.257	.550	1.000	.257	.187	.321

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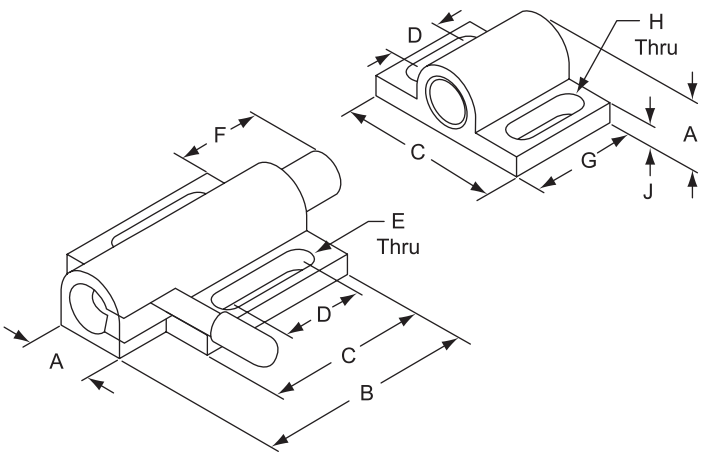
90° Deadbolt Latch

- 10 and 15 Series compatible
- All mounting hardware included – Part No. 3062 (4) and 3382 (4)
- Clear anodized 6105-T5 aluminum body supports S/S bolt, spring, and ø.386 pin
- Positive spring-loaded deadbolt ideal for guarding and enclosure applications
- Pin handle is positioned 90° to the side



Part No.	A	B	C	D	E	F (Bolt Travel)	G	H	J	Lbs.
2107	.625	2.000	1.500	.500	.257	.550	1.000	.257	.187	.321

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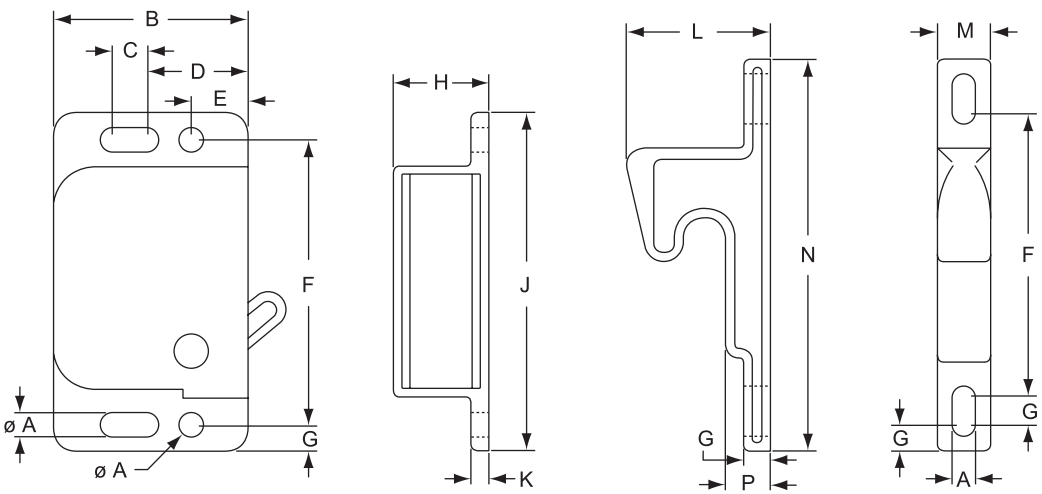
Grabber™ Door Catch

- **10 and 15 Series compatible**
- **All mounting hardware to plate included – (4) 6-32 x .3125" BHSCS**
- **Corrosion-resistant, black ABS catches available in three pull-up forces**
- **Spring-loaded over-center catch mounts inside enclosure – push to close, pull to open**
- **Mounts to T-slots with Grabber™ door catch mounting plates found on page 389**
- **See page 595 for panel machining service**



Catch **Keeper**

Part No.	Pull Force	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Lbs.
2069	3 Lbs.	ø.130	1.110	.200	.570	.320	1.600	.150	.540	1.900	.100	.810	.300	2.200	.250	.030
2088	5 Lbs.	ø.130	1.110	.200	.570	.320	1.600	.150	.540	1.900	.100	.810	.300	2.200	.250	.035
2125	10 Lbs.	ø.130	1.110	.200	.570	.320	1.600	.150	.540	1.900	.100	.810	.300	2.200	.250	.035

Grabber™ Door Catch is a registered trademark of Southco, Inc.

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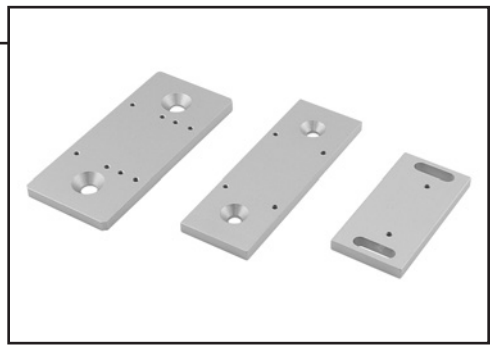
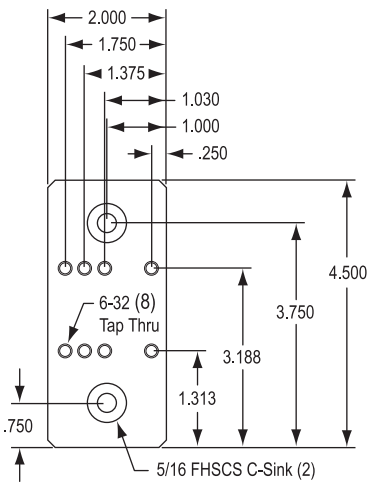
Grabber™ Door Catch Mounting Plates

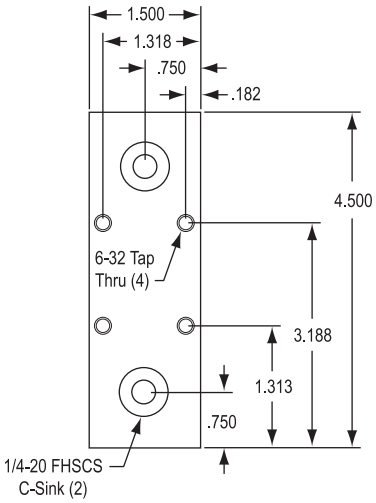
- **10 and 15 Series compatible**
- **Made of 1/4" 6105-T5 clear anodized aluminum**
- **Securely mounts Grabber™ door catch onto T-slotted profile**
- **Notching and drilling services required for mounting to plastic panels – see page 595**





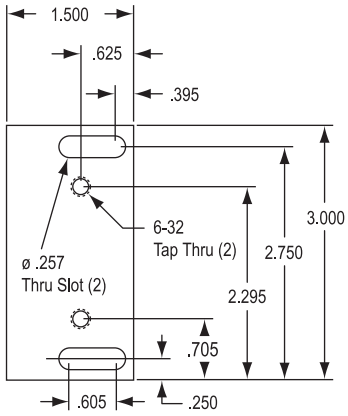
2121

Aligns keeper with Door Track P/N 2210 and 2220 shown on page 299. Mounts to 15 Series T-slots.



2122

Aligns keeper with Door Track P/N 2211 and 2221 shown on page 299. Mounts to 10 Series T-slots.



2123

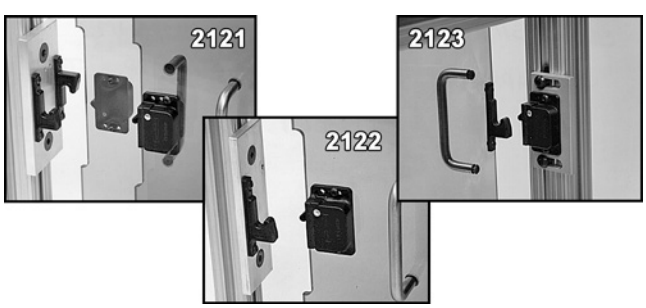
Mounts catch to 10 or 15 Series T-slots. Provides adjustment for flush closure of hinged plastic panels up to 1/4" thick.

Part No.	Series	Plate Type	Lbs.
2121	15	Keeper Mount Plate	.204
2122 ⌘	10	Keeper Mount Plate	.152
2123 ⌘	10 & 15	Catch Mount Plate	.098

⌘ = 10 Series Compatible Part

Recommended Mounting Hardware:

	Mounting Plate Part No.			
Nut Type	2121	2122	2123	2123
Drop-In T-Nut	(2) 3413	(2) 3415	(2) 3372	(2) 3481
Econ T-Nut	(2) 3412	(2) 3414	(2) 3371	(2) 3321



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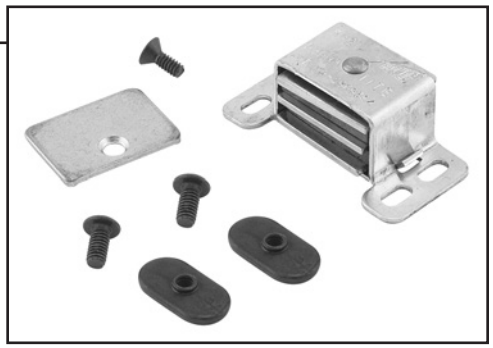
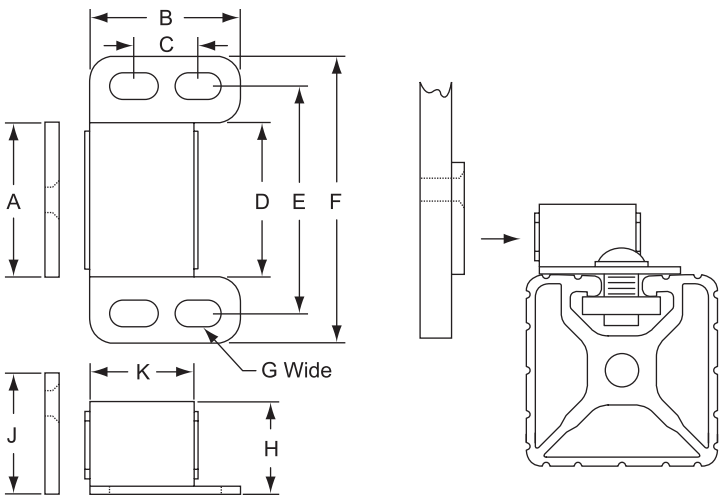
Magnetic Door Catch

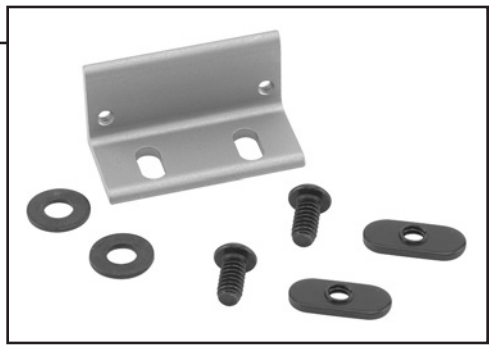


- **10 and 15 Series compatible**
- **All required mounting hardware included: Part No. 3005 (2), 3275 (2)**
- **Lightweight, ideal for latching plastic panels in place**
- **Tap required in panel for mounting striker plate; refer to page 604 (misc. panel machining)**



Part No.	A	B	C	D	E	F	G	H	J	K	Lbs.
2090	1.142	1.000	.405	1.224	1.673	2.087	.154	.720	.890	.909	.120

Magnetic Door Catch Bracket



- **10 and 15 Series compatible**
- **All mounting hardware included: Part No. 3258 (2), 3061 (2), 3382 (2)**
- **Used for catching the magnet mounted to a T-slotted profile door**

Part No.	Description	Lbs.
2745	Magnetic Door Catch Bracket	.090

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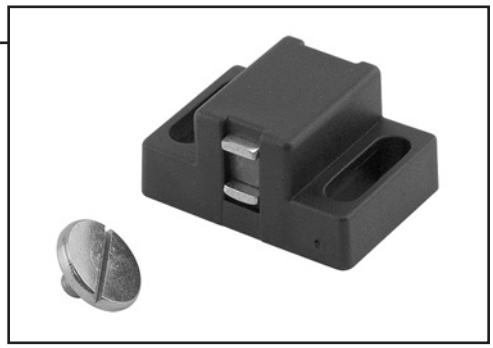
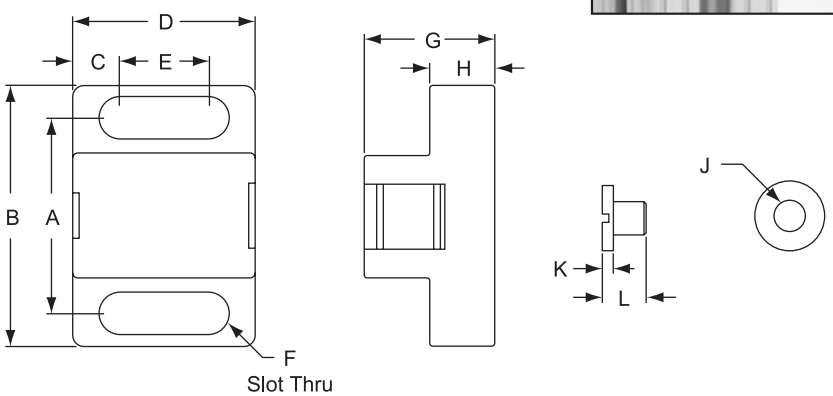
Nylon Magnetic Catch

- **10 and 15 Series compatible**
- **Quick latching method for lightweight plastic panel doors**
- **Made of molded black fiberglass-reinforced nylon**
- **Tap required in panel for mounting striker plate, refer to page 604 (misc. panel machining)**





10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3493 ⊠	2	1/4-20 x 5/8" SHCS & Economy T-Nut

⊠ = 10 Series Compatible Part

10 or 15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3304	2	1/4-20 x 3/4" SHCS & Economy T-Nut

Part No.	A	B	C	D	E	F	G	H	J	K	L	Lbs.
4486	1.181	1.570	.285	1.102	.532	.255	.795	.393	M5 Thread	.093	.250	.070

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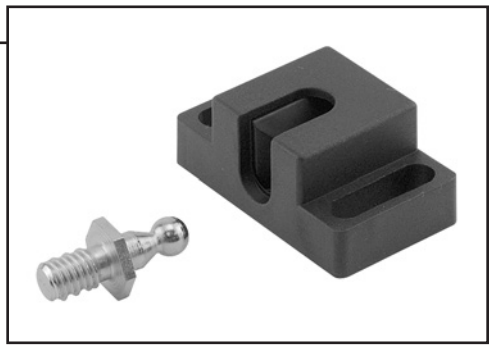
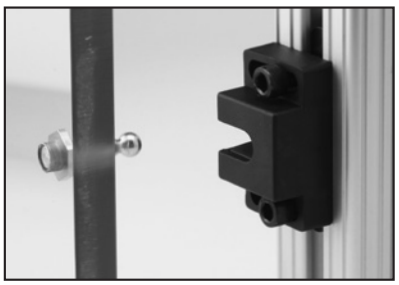
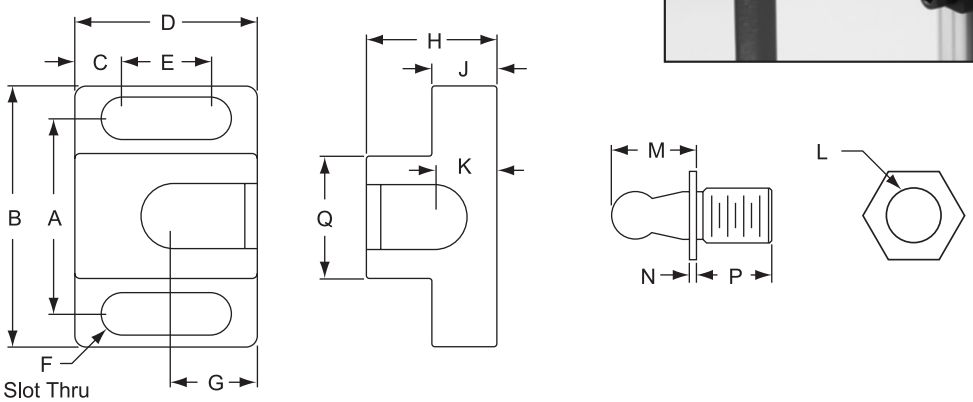
Nylon Ball Catch

- **10 and 15 Series compatible**
- **Body of catch is made of molded black fiberglass-reinforced nylon**
- **Zinc-plated steel ball can latch into the top or front of catch**
- **Quick latching method for lightweight plastic panel doors**







10 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3493 ⊠	2	1/4-20 x 5/8" SHCS & Economy T-Nut

⊠ = 10 Series Compatible Part

10 or 15 Series Recommended Mounting Hardware:

Part No.	Qty	Description
3304	2	1/4-20 x 3/4" SHCS & Economy T-Nut

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	Lbs.
4487	1.457	1.880	.236	1.102	.630	.255	.520	.787	.393	.354	M8 Thread	.641	.088	.472	1.023	.090

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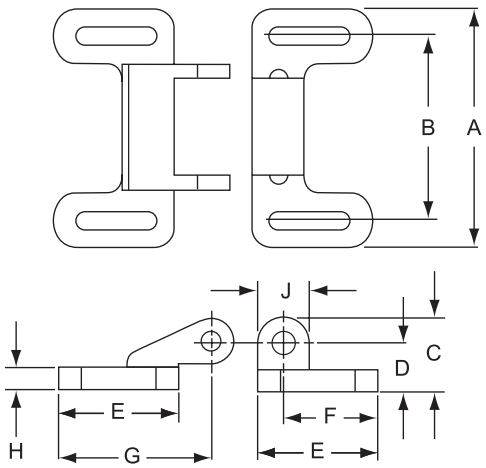
Double Ball Catch

Fiberglass-Reinforced Nylon, Black

- **Stainless steel ball**
- **Locking force: 25 N (5.62 lb)**



Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description
75-3483	2	M5 x 16mm SHCS, Washer & Drop-In T-nut

Part No.	A	B	C	D	E	F	G	H	J	Lbs.	Compatibility Code*
12019	2.913	2.244	.905	.590	1.457	1.142	1.850	.276	.630	.08	8-15, 8-40, 10-45

* See Compatibility Code information on page 351.

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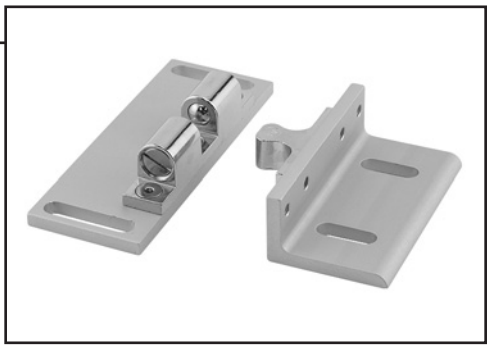
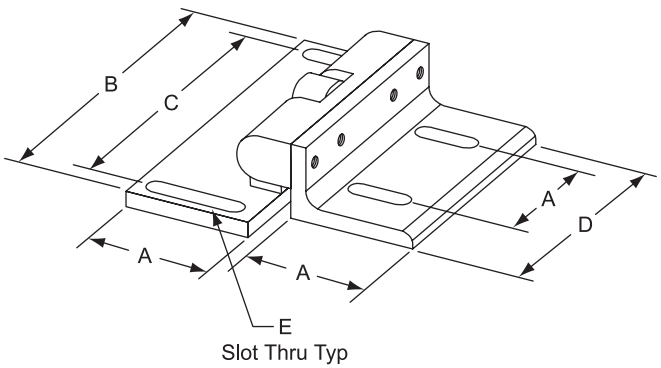
Tension Ball Latch

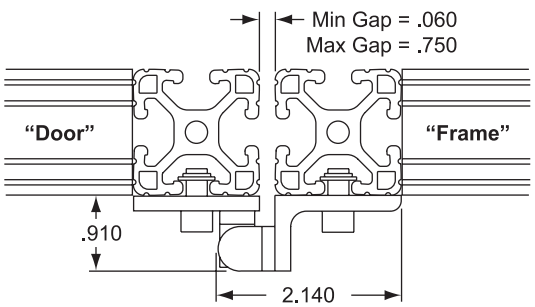


- **15 Series compatible**
- **All mounting hardware included – (4) 1/4-20 x .500 SHCS & Economy T-Nut**
- **Latch and striker are zinc alloy with chrome finish; mounting plate is clear anodized aluminum**
- **Striker can enter adjustable latch from either front or side; latch tension adjusts with two spring-loaded screws**
- **Medium to heavy-duty latch for swinging or sliding door**



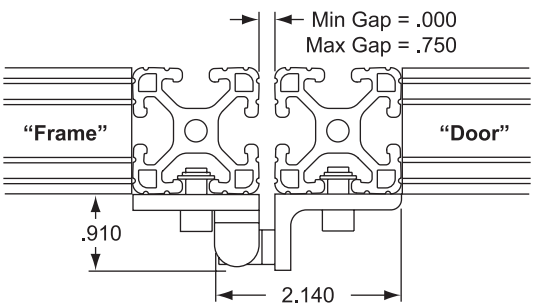
Part No.	Push In Force	Pulling Force	A	B	C	D	E	Lbs.
2134	9.400 Lbs.	7.200 Lbs.	1.500	4.000	3.500	2.760	.257	.446

Hinge Door Configuration



- **Mount latch to angle bracket**
- **Mount strike to flat plate**

Sliding Door Configuration



- **Mount latch to flat bracket**
- **Mount strike to angle plate**

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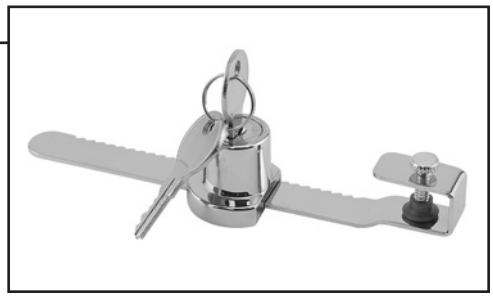
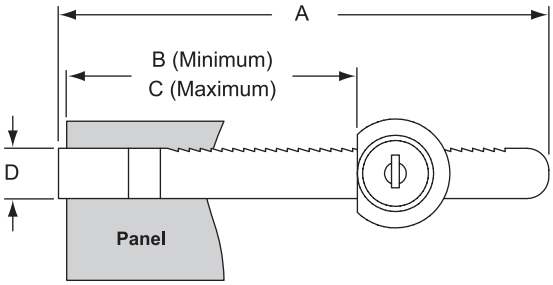
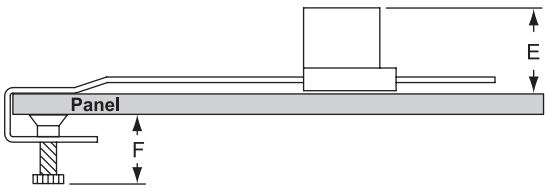
Sliding Door Lock

- **Locks 1/4” thick sliding panels when used with sliding door track shown on page 401**
- **Economical security lock ideal for storage or display cases**
- **Attractive chrome finish**



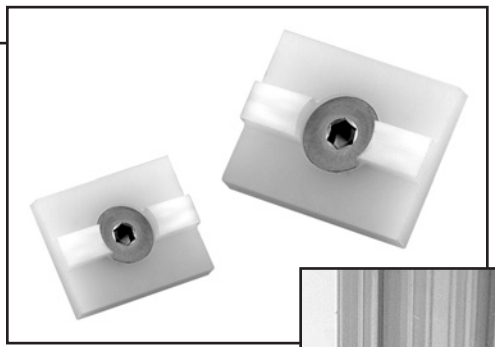


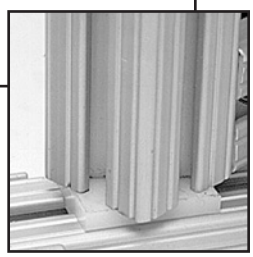


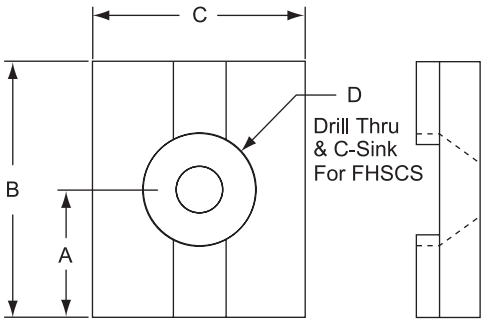
Part No.	A	B	C	D	E	F	Lbs.
2057	5.625	1.125	4.437	.580	.980	.800	.200

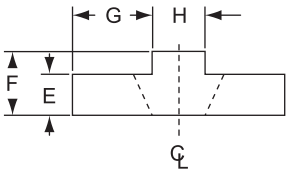
Sliding Door Glide

- **10 and 15 Series compatible**
- **Includes stainless steel mounting screw**
- **Made from UHMW polyethylene**
- **Bolts onto the profile end and freely rotates as door pivots**
- **See pg 606-607 for bi-fold door information**
- **See pg 523-525 for UHMW material specifications**









Part No.	A	B	C	D	E	F	G	H	Lbs.
2067 ⊠	.500	1.000	.812	1/4-20	.240	.375	.281	.250	.007
2068	.750	1.500	1.250	5/16-18	.240	.375	.470	.310	.016

⊠ = 10 Series Compatible Part

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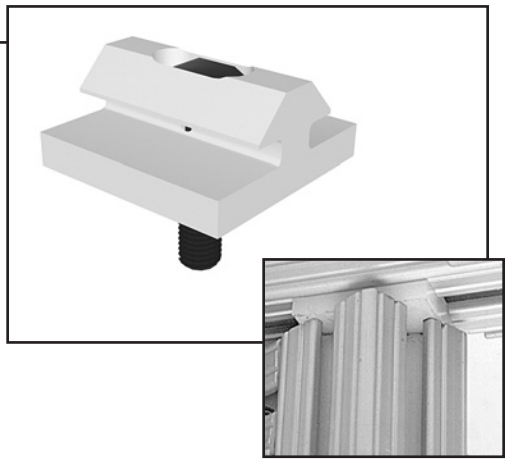
Top Mount Bi-Fold Door Hanger Assembly

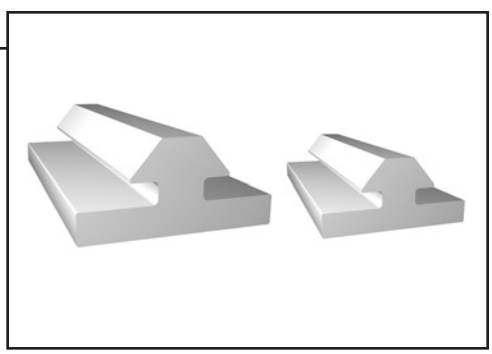


- **10 and 15 Series compatible**
- **Mounting screw supplied**
- **Made of UHMW polyethylene – see drawing below for dimensions**
- **Creates sliding or bi-fold doors without the use of bottom rail**
- **Bolts onto the profile end and freely rotates as the door pivots**
- **See page 564 for tap machining service**
- **See pages 606-607 for bi-fold door information**

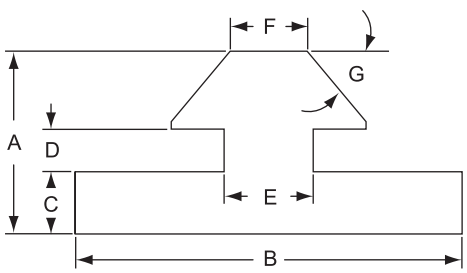
Part No.	Description	Length	Thread Size	Lbs.
2059 ⊠	Bi-Fold Door Hanger	1.000	1/4-20 x .410	.045
2051	Bi-Fold Door Hanger	1.500	5/16-18 x .780	.060

⊠ = 10 Series Coampatible Part

Top Mount Bi-Fold Door Hanger Profile



- **10 and 15 Series compatible**
- **Stock length: 145" – Cut to length with machining service No. 7212**
- **Made of UHMW polyethylene – see pages 523-525 for UHMW material specifications**
- **Create custom sliding or bi-fold doors without the use of bottom rail**
- **See pages 606-607 for bi-fold door information**



Part No.	A	B	C	D	E	F	G	Lbs. / Ft.
6710 ⊠	.470	1.000	.160	.110	.230	.200	50°	.103
6808	.700	1.500	.240	.180	.300	.270	45°	.223

⊠ = 10 Series Compatible Part

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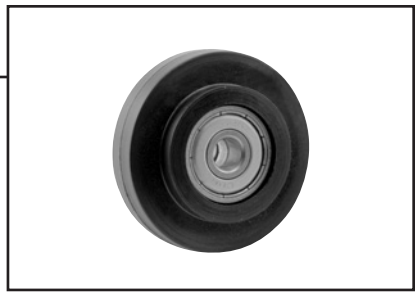
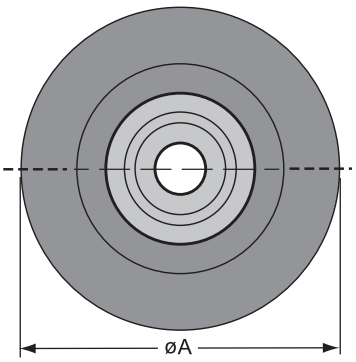
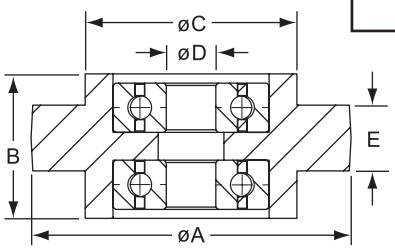
Roller Wheels with Ball Bearing Hub

Fiberglass-Reinforced Nylon, Black



- **Move frames, panels and other components by rolling in the profile T-slot**



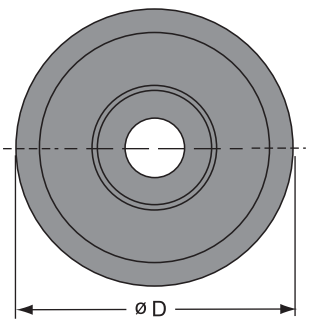


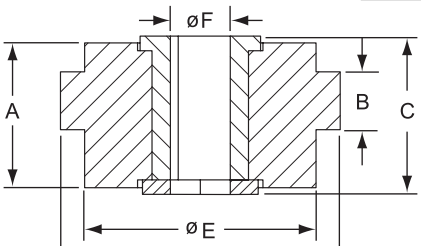
Part No.	A	B	C	D	E (Slot Tab)	Lbs.	Compatibility Code*
12017	1.535	.693	1.016	.236	.315	.07	8-15, 8-40
12018					.394	.07	
12020	1.850	.772	1.323	.315	.315	.11	
12021					.394	.11	

Roller Wheel with Steel Hub

Fiberglass-Reinforced Nylon, Black

- **Move frames, panels and other components by rolling in the profile T-slot**





Part No.	A	B (Slot Tab)	C	D	E	F	Lbs.	Compatibility Code*
12024	.590	.236	.634	1.142	.945	.244	.02	6-10, 6-25

* See Compatibility Code information on page 351.

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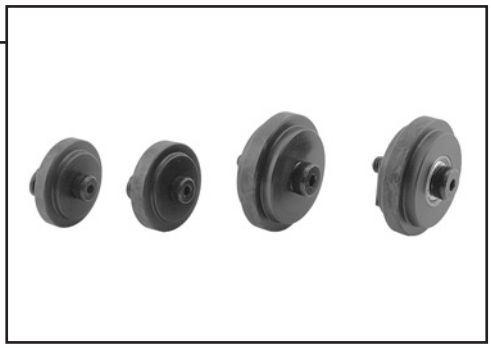
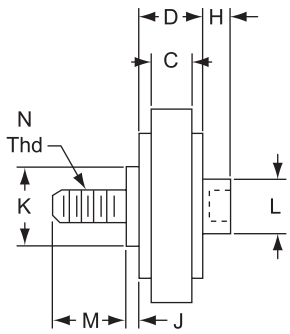
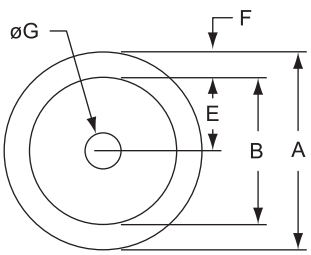
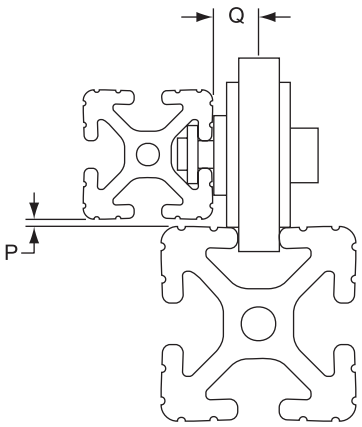
Roller Wheels



- **10 and 15 Series compatible**
- **All mounting hardware included**
- **Made of self-lubricating, fiberglass-reinforced black nylon**
- **Part No. 2281, 2282 and 2290 have permanently lubricated bronze bushing; Part No. 2280 has ball bearing hub**
- **Mounts to profile end or T-slot – ideal for guided linear motion**







⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	Lbs.
2281 ⊠	1.500	1.125	.240	.480	.563	.188	.314	.219	.125	.625	.435	.310	1/4-20	.060	.370	.070
2282 ⊠	1.500	1.125	.310	.480	.563	.188	.314	.219	.125	.625	.435	.310	1/4-20	.060	.370	.075
2280	2.000	1.625	.310	.720	.812	.188	.375	.250	.125	.750	.562	.375	5/16-18	.060	.485	.185
2290	2.000	1.625	.310	.720	.812	.188	.375	.250	.125	.750	.562	.375	5/16-18	.060	.485	.165

Part No.	Bearing Type	Mounts To	Rolls In
2281 ⊠	Permanent Lubricated Bronze Bushing	10 Series	10 Series
2282 ⊠	Permanent Lubricated Bronze Bushing	10 Series	15 Series
2280	Dual Roller Bearing	15 Series	15 Series
2290	Permanent Lubricated Bronze Bushing	15 Series	15 Series

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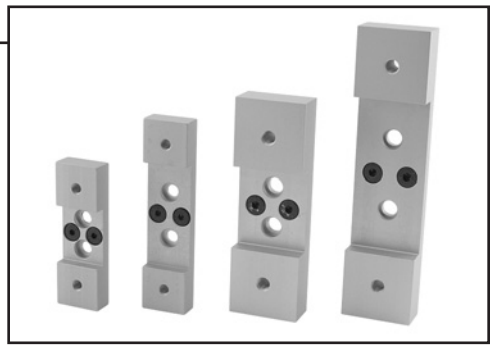
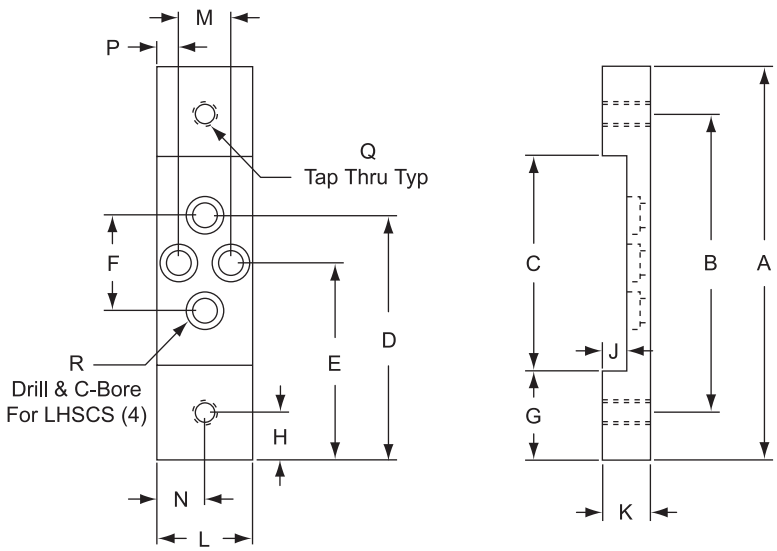
Roller Wheel Brackets



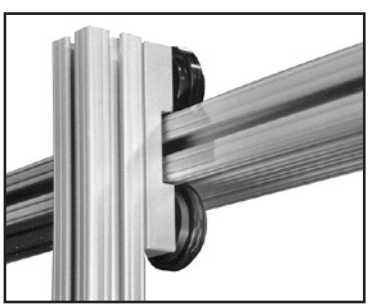
- **10 and 15 Series compatible**
- **Hardware for mounting bracket to T-slot included**
- **Made of clear anodized aluminum**
- **Mounts to T-slot profile; ideal for moving framed doors and other components**
- **See pages 397-398 for nylon roller wheels**
- **See page 400 for roller wheel bracket assemblies**



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	Lbs.
2750 ⊠	3.125	2.125	1.250	1.897	1.563	.669	.938	.500	.255	.500	1.000	.544	.500	.228	1/4-20	1/4-20	.120
2752 ⊠	4.125	3.125	2.250	2.562	2.063	1.000	.938	.500	.255	.500	1.000	.544	.500	.228	1/4-20	1/4-20	.140
2754	4.625	3.125	1.750	2.743	2.313	.860	1.438	.750	.390	.750	1.500	.735	.750	.383	5/16-18	5/16-18	.420
2757	6.125	4.625	3.250	3.813	3.063	1.500	1.438	.750	.390	.750	1.500	.735	.750	.383	5/16-18	5/16-18	.500

Note: Be sure to use the included washer with the roller wheels for proper spacing

⊠ = 10 Series Compatible Part



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Roller Wheel Bracket Assemblies

- **10 and 15 Series compatible**
- **All mounting hardware included for both roller wheel and mounting bracket –**

  10 Series - (2) 1/4-20 x 3/8" LHSCS
  (2) P/N 3204, 1/4-20 Standard T-nut
  15 Series - (2) 5/16-18 x 5/8" LHSCS
  (2) P/N 3203, 5/16-18 Standard T-nut
- **Mounts to T-slot profile – ideal for moving framed doors and other components**

Assembly Part No.	Individual Part No.							
	2750 ⊠	2752 ⊠	2754	2757	2281 ⊠	2282 ⊠	2280	2290
2751 ⊠ .260 Lbs. (1.000")	1				2			
2753 ⊠ .280 Lbs. (2.000")		1			2			
2755 .790 Lbs. (1.500")			1				2	
2758 .870 Lbs. (3.000")				1			2	
2756 .740 Lbs. (1.500")			1					2
2759 .820 Lbs. (3.000")				1				2

⊠ = 10 Series Compatible Part

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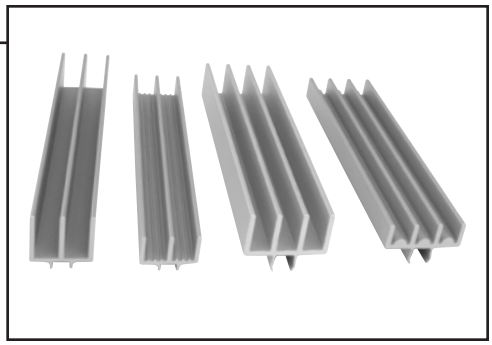
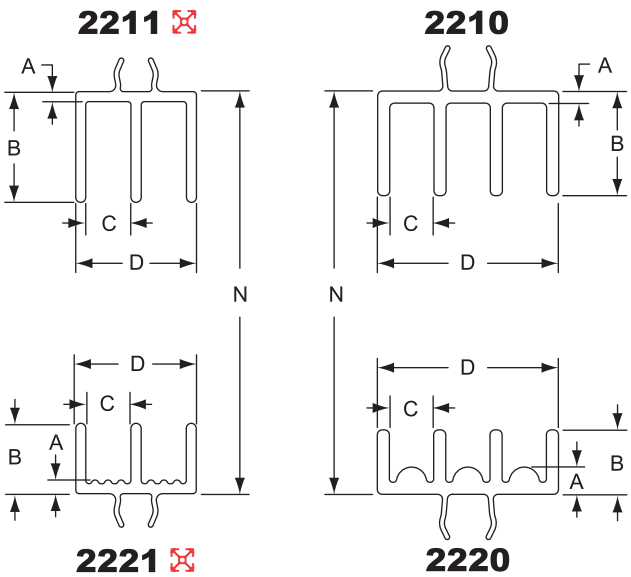
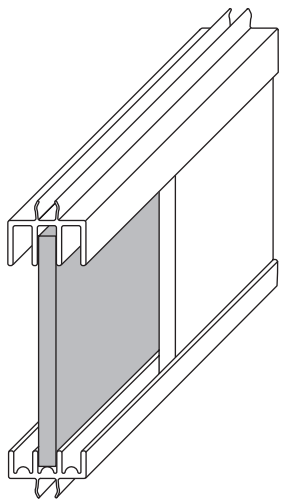
Door Slide Track



- Snaps into T-slot – no hardware required
- Made of 6105-T5 clear anodized aluminum
- Deeper slots in upper track allow panels to be inserted after frame is assembled
- Radius bearing surface in lower track allows easier sliding
- Stock length: 145”
- Refer to page 563 for cut-to-length service





Part No.	Track Type	Stock Length	A	B	C	D	Lbs. / Ft.
2211 ⌘	Upper	145.000”	.062	.688	.281	.750	.208
2221 ⌘	Lower	145.000”	.085	.438	.281	.750	.156
2210	Upper	145.000”	.060	.650	.275	1.125	.304
2220	Lower	145.000”	.169	.400	.275	1.125	.264

Note: To calculate the panel height, subtract .500” from dimension N.

⌘ = 10 Series Compatible Part

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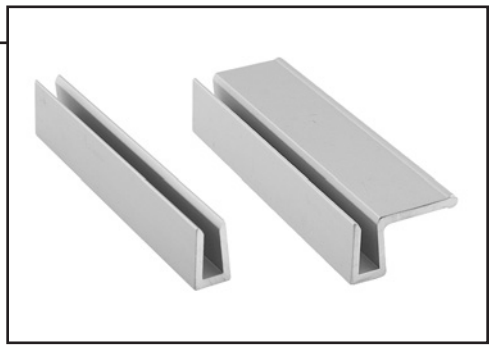
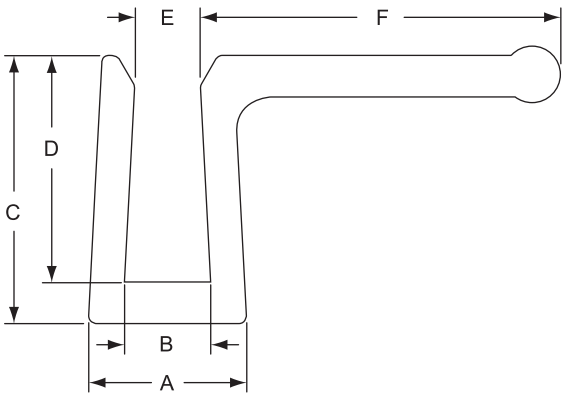
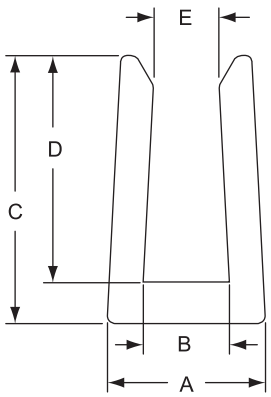
Panel Stiffeners

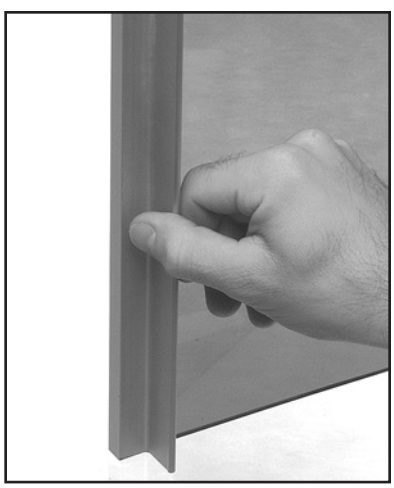
- **Add rigidity to large 1/4” thick plastic panels**
- **Made of 6105-T5 clear anodized aluminum**
- **Stock length is 72.5”; for lengths other than 72.5”, see page 219**
- **Use a soft face mallet to apply this profile to the panel; see page 558**







Part No.	Handle	A	B	C	D	E	F	Lbs.
2429	Yes	.420	.240	.710	.600	.181	.950	1.710
2424	No	.420	.240	.710	.600	.181	–	1.470



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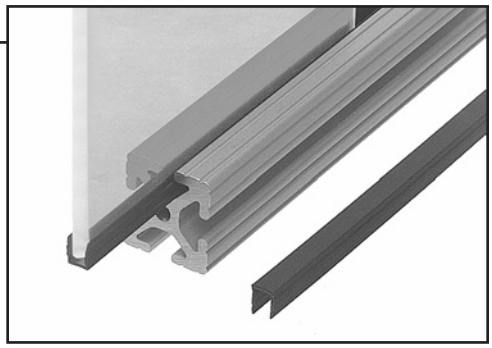
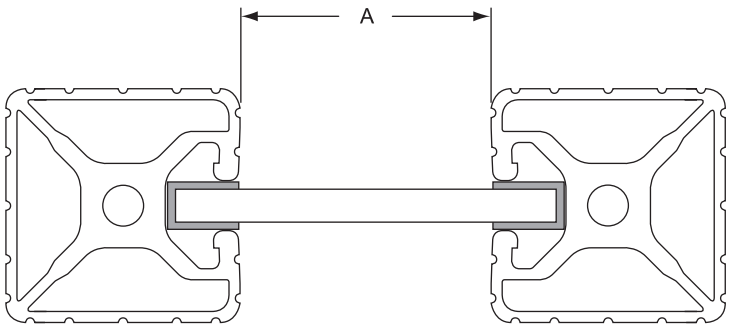
Panel Gasket – 15 Series



- **15 Series compatible**
- **Made of high density black polyethylene (HDPE)**
- **Stock length: 72.5”**
- **Inserts into the T-slot from the top or end to securely hold plastic panels (.240”)**
- **Panel machining service No. 7500 or 7501, an edge radius, makes assembly easier – see page 593**



Part No.	Description	Lbs.
2120	Black 15 Series Panel Gasket	.100

Note: To calculate the panel width, add .750” to dimension A.

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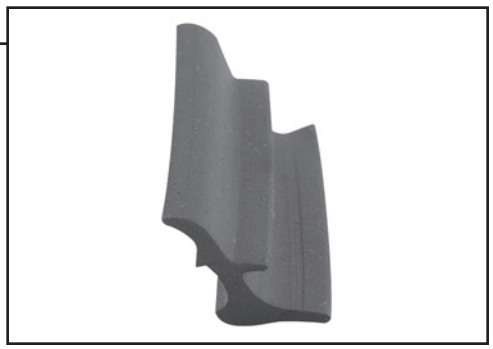
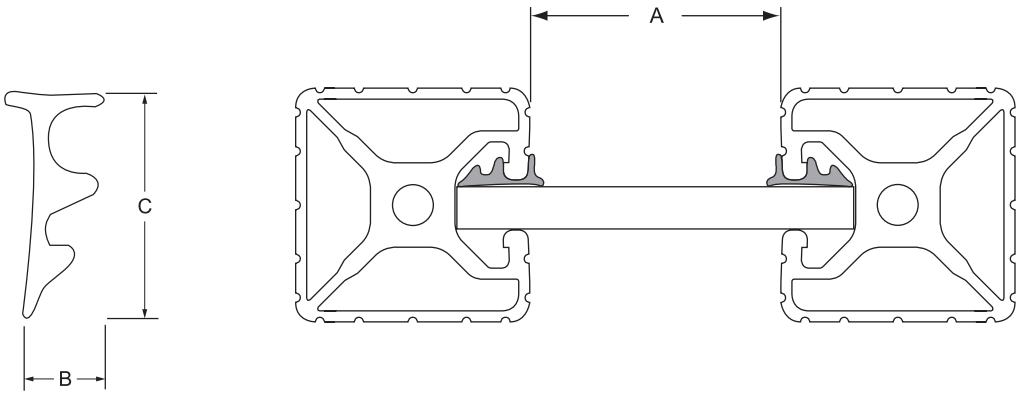
Rubber Panel Gasket



- **10 and 15 Series compatible**
- **Holds .188” thick panels secure in 10 Series**
  Holds .236” thick panels secure in 15 Series
- **Available in black**
- **Black rubber panel gasket can be ordered by the foot or in 150 ft. rolls**



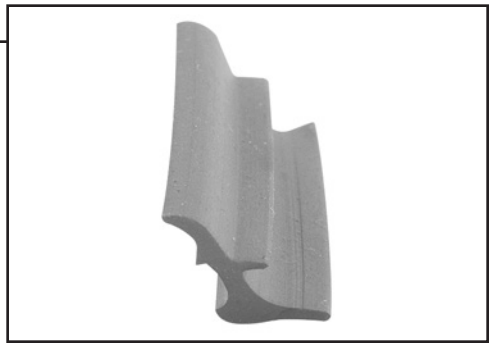
Part No.	Slot	B	C	Description	Lbs.
2116 ⌘	6	4.50	10.00	Rubber Panel Gasket (Per Foot)	.0150 Lbs. / ft.
2118 ⌘	6	4.50	10.00	Rubber Panel Gasket (Per 150 Foot Roll)	2.250 Lbs. / roll
2115	8	6.10	14.60	Rubber Panel Gasket (Per Foot)	.0250 Lbs. / ft.
2117	8	6.10	14.60	Rubber Panel Gasket (Per 150 Foot Roll)	3.750 Lbs. / roll

Note: To calculate the panel width for 10 Series, add .500” to dimension “A”.
To calculate the panel width for 15 Series, add .750” to dimension “A”.

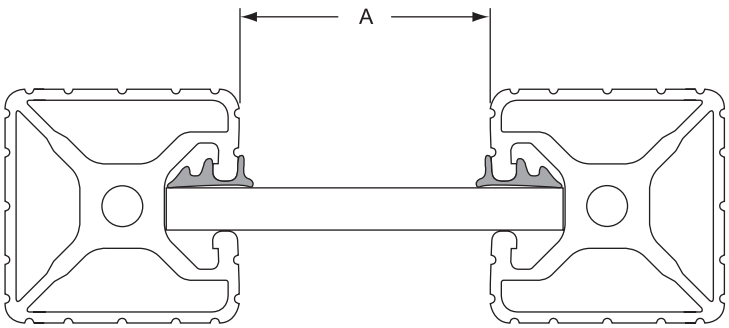
⌘ = 10 Series Compatible Part

www.8020.net/gasket.asp

Silicone Rubber Panel Gasket



- **10 and 15 Series compatible**
- **Holds plastic panels tight in the T-slot; easily inserted after the panel is placed in the frame**
- **Made of gray silicone rubber for improved chemical and heat resistance; panel gasket only needs to be inserted on one side**
- **Holds .188” thick panels secure in 10 Series Holds .236” thick panels secure in 15 Series**
- **Order by the foot**



Part No.	Description	Lbs. / Ft.
2177 ⌘	Silicone Rubber Panel Gasket (Per Foot)	.020
2178	Silicone Rubber Panel Gasket (Per Foot)	.030

Note: To calculate the panel width for 10 Series, add .500” to dimension “A”.
To calculate the panel width for 15 Series, add .750” to dimension “A”.

⌘ = 10 Series Compatible Part

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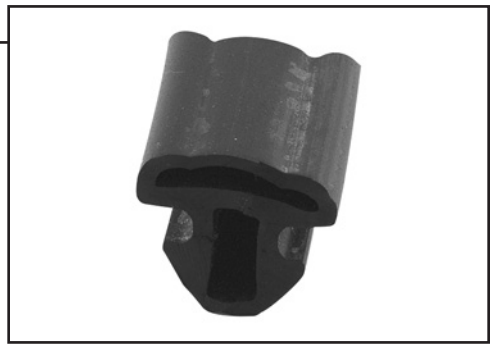
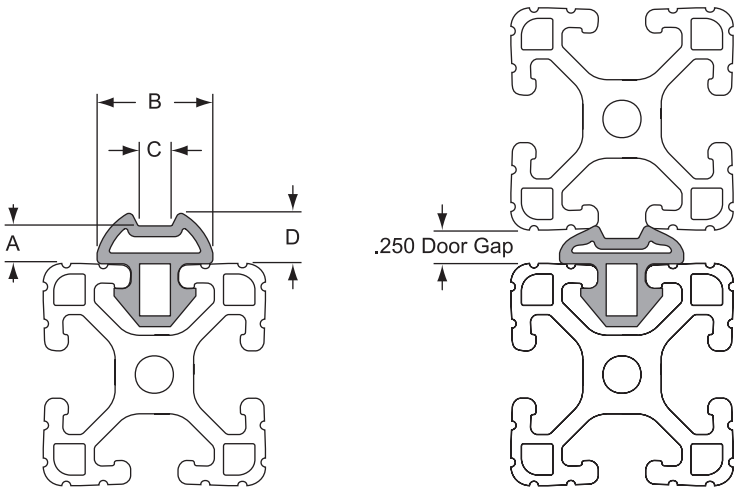
Rubber Door Seal

- **Use with 15 Series profiles only**
- **Black EPDM door seal presses into the T-slot**
- **Minimum .250" gap between the door and frame**
- **Sold by the foot or in 100 foot rolls**



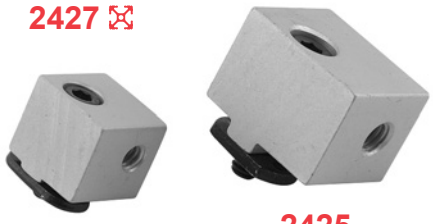


Part No.	Unit Sold	A	B	C	D	Lbs.
2829	Per Foot	.250	.750	.310	.340	.128 Lbs. / ft.
2834	Per 100 Ft. Roll	.250	.750	.310	.340	12.800 Lbs. / Roll

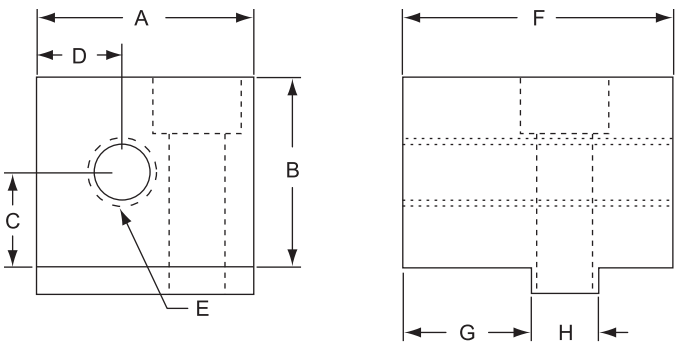
Panel Mount Blocks

- 10 and 15 Series compatible
- Hardware for mounting block to T-slot included
- Made of 6105-T5 clear anodized aluminum
- Firmly mount plastic panels flush or offset
- Simplifies adding or removal of plastic panels
- See page 600 for panel machining services

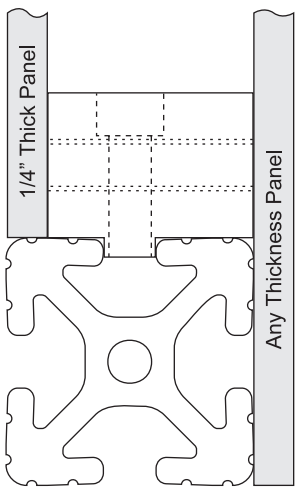
2427 ⊠



2425



2425 Shown



Recommended Mounting Hardware (Mount to 1/4" Panel):

Part No.	Qty	Description
3063 ⊠	1	1/4-20 x 5/8" BHSCS
3114	1	5/16-18 x 3/4" BHSCS

Part No.	A	B	C	D	E	F	G	H	Lbs.
2427 ⊠	.750	.700	.375	.250	1/4-20 Tap Thru	.812	.373	.247	.050
2425	1.000	.880	.437	.390	5/16-18 Tap Thru	1.250	.600	.310	.120

Note: 2427 - mounts 3/16" panels flush with 10 Series profiles.
2425 - mounts 1/4" panels flush with 15 Series profiles.

⊠ = 10 Series Compatible Part

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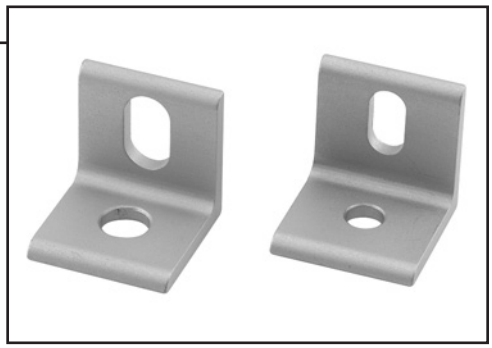
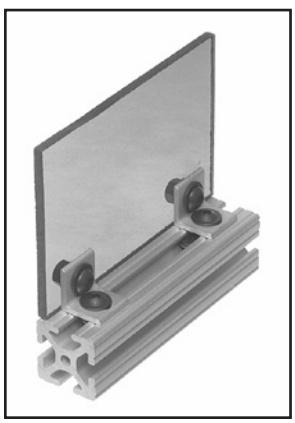
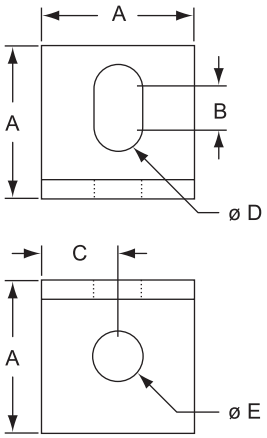
Panel Mount Bracket

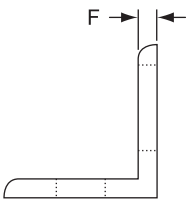
- **10 and 15 Series compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Mounts 1/4" panels flush with P/N 2430**
- **Slotted hole makes panel alignment easy**
- **Economical panel mounting method**



Note: 10 Series does NOT mount standard panels flush







Part No.	A	B	C	D	E	F	Lbs.
2428 ⊠	1.000	.250	.500	.255	.257	.125	.020
2430	1.000	.250	.500	.328	.328	.125	.020

Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Qty	Description
3386 ⊠	1	1/4-20 x 3/8" FBHSCS & Economy T-Nut
3319	1	5/16-18 x 1/2" FBHSCS & Economy T-Nut

Recommended Mounting Hardware (Mount to 1/4" Panel):

Part No.	Qty	Description
3004 ⊠	1	1/4-20 x 3/4" FBHSCS & Hex Nut w/ Washer
3463	1	5/16-18 x 5/8" FBHSCS & Hex Nut w/ Washer

⊠ = 10 Series Compatible Part

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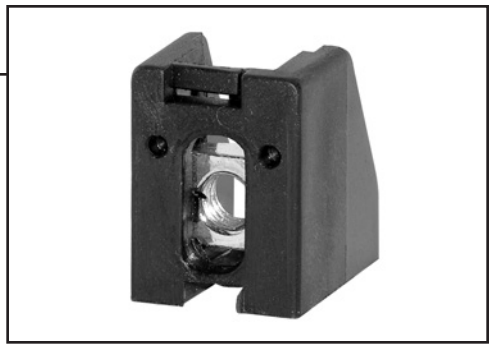
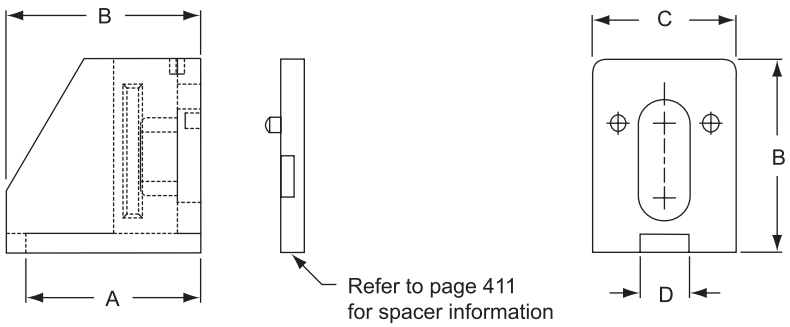
Plastic Panel Mount Block with Square Nut

Fiberglass-Reinforced Nylon, Black

- **15 Series compatible**
- **Square nut travels in a slot with .366" of adjustment**

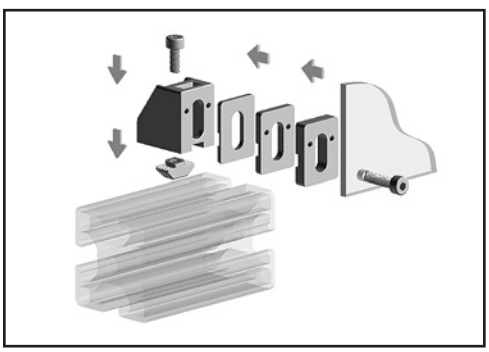




Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Qty	Description
3408	1	1/4-20 x 1/2" BHSCS & Drop-In T-Nut

Part No.	A	B	C	D	Nut Thread	Lbs.	Compatibility Code*
12050	.886	.984	.728	.248	M6	.020	8-15, 8-30
14192	.886	.984	.728	.248	1/4-20	.020	8-40, 10-45



* See Compatibility Code information on page 351.

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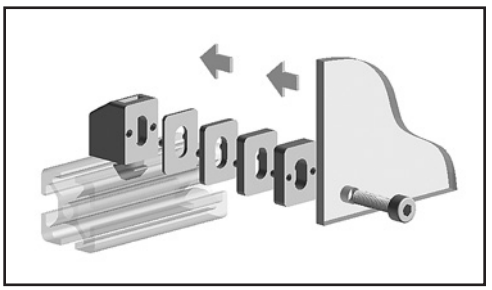
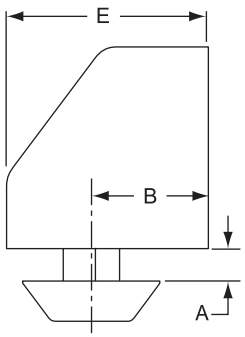
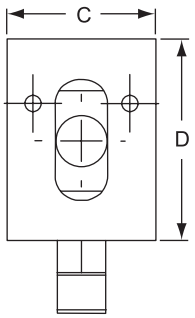
Panel Mount Block, 1/4 Turn w/Square Nut

Fiberglass-Reinforced Nylon, Black

- **15 Series compatible**
- **Adjustable, zinc-plated steel square nut**
- **See spacers on page 411**







Part No.	A	B	C	D	E	Nut Thread	Lbs.	Compatibility Code*
14139	.157	.315	.728	.984	.728	M6	.020	8-15 8-40
14186		.315				1/4-20		
14142		.472				M6		
14143		.551				M6		
14167		.472				1/4-20		
14191		.551				1/4-20		

* See Compatibility Code information on page 351.

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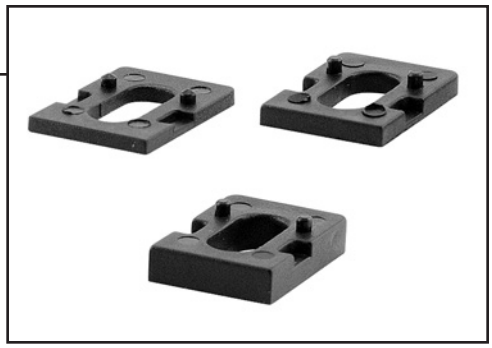
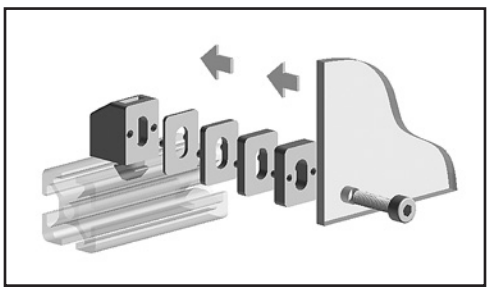
Spacer for Panel Mount Block

Fiberglass-Reinforced Nylon, Black

- **Sold individually**
- **Compatible with the plastic panel mount blocks shown in this section**
- **Three thicknesses available**





Part No.	Spacer Thickness	Lbs.	Comments
12051	.079	.00	Works with panel mount blocks shown on pages 409-410
12053	.118	.00	
12055	.197	.00	

80/20's Panel Shop Will Cut and Machine Your Panels to Meet Your Needs

- Quick turnaround time with our full-service panel shop
- Choice of 85+ panels in stock, or we'll order what you need
- No minimums – we'll cut panels to size
- Save on shipping cost – NO drops to store

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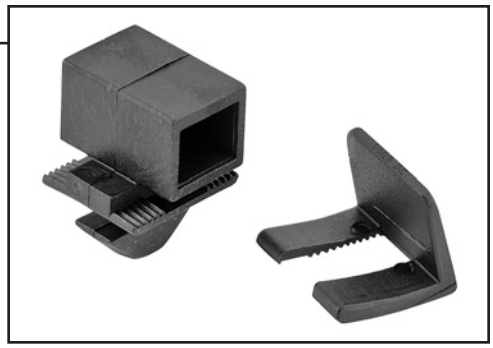
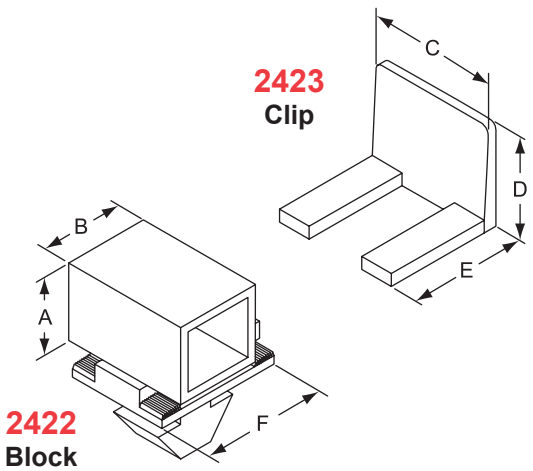
Quick Change Panel Clamp

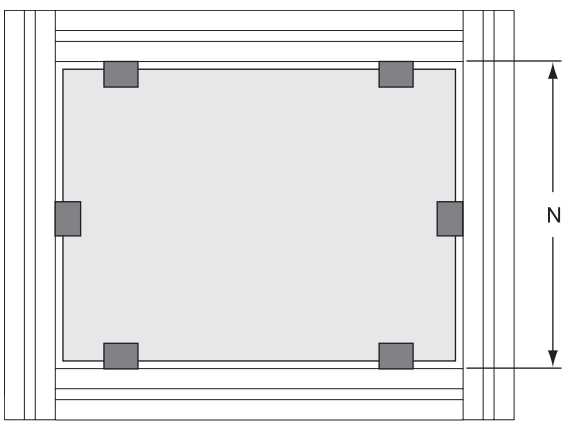
- **Use with 15 Series only**
- **Mounts panels up to 1/4” thick with no machining or hardware required**
- **Made of high strength black nylon**
- **1/4 turn locks the block on the T-slot**
- **Easily remove the panel clip with a flat tip screwdriver**





Part No.	Description	A	B	C	D	E	F	Lbs.
2421	Complete Set (Block & Clip)	.775	.640	.980	.785	.870	.920	.018
2422	Block	.775	.640	–	–	–	.920	.014
2423	Panel Clip	–	–	.980	.785	.870	–	.004

Note: To calculate the panel height, subtract .450” from dimension N.



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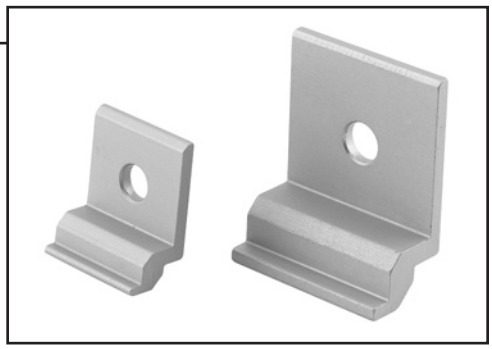
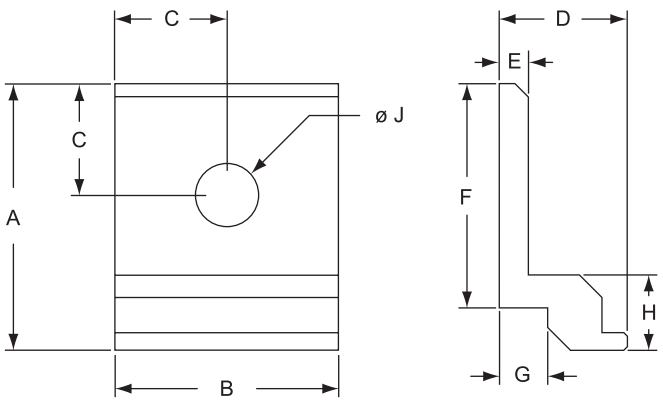
Drop-In Panel Bracket



- **10 and 15 Series compatible**
- **No fasteners or machining required for mounting to T-slot**
- **Made of 6105-T5 clear anodized aluminum**
- **Bracket can be loaded from face of the T-slot**
- **Mounts panel flush with outside of 10 or 15 Series profiles**
- **For ease of assembly, consider tapping the panel to use the recommended hardware. See page 604.**



Part No.	A	B	C	D	E	F	G	H	J	Lbs.
2489 ⌘	1.190	1.000	.500	.573	.130	1.000	.217	.335	.281	.021
2488	1.812	1.500	.750	.782	.130	1.500	.306	.500	.328	.058

⌘ = 10 Series Compatible Part

Recommended Mounting Hardware (Mount to 1/4" Panel):

Part No.	Qty	Description
3063 ⌘	1	1/4-20 x 5/8" BHSCS
3114	1	5/16-18 x 3/4" BHSCS

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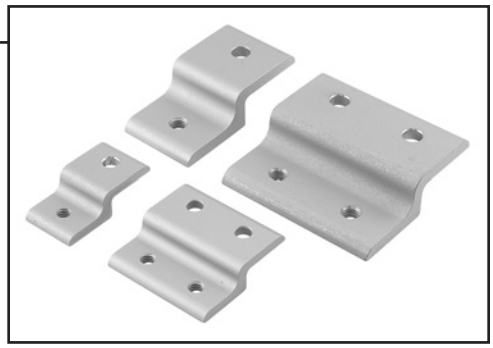
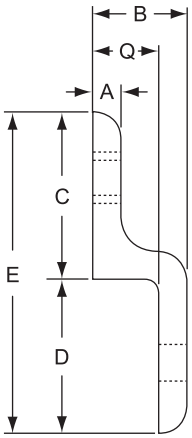
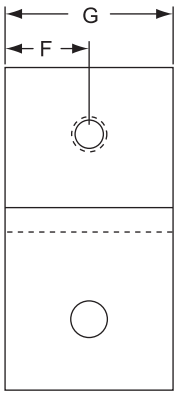
Single Panel Retainers

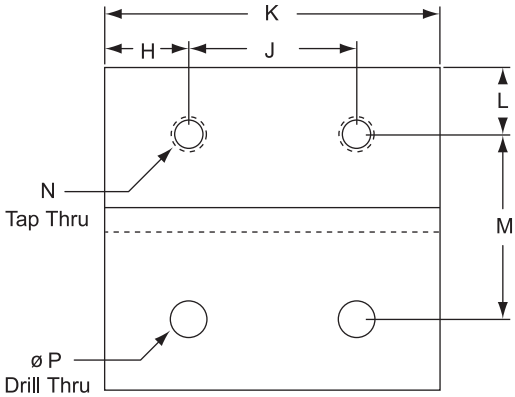
- **10 and 15 Series compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Strongest way to cost-effectively retain plastic panels in a frame**
- **Simplifies panel installation and removal**
- **Requires a drill thru hole in the panel that lines up with retainer's tapped hole(s), see page 600**







2496 ⊠
2434



2497 ⊠
2433

⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	Lbs.
2496 ⊠	.188	.563	1.000	.938	1.938	.500	1.000	–	–	–	.392	1.108	1/4-20	.257	.375	.040
2434	.250	.840	1.500	1.379	2.879	.750	1.500	–	–	–	.594	1.656	5/16-18	.328	.590	.120
2497 ⊠	.188	.563	1.000	.938	1.938	–	–	.500	1.000	2.000	.392	1.108	1/4-20	.257	.375	.080
2433	.250	.840	1.500	1.379	2.879	–	–	.750	1.500	3.000	.594	1.656	5/16-18	.328	.590	.240

Recommended Mounting Hardware (Mount to T-Slot):

	Retainer Part No.			
Part No.	2496	2434	2497	2433
3321 ⊠	1	–	2	–
3320	–	1	–	2

Recommended Mounting Hardware (Mount to 1/4" Panel):

	Retainer Part No.			
Part No.	2496	2434	2497	2433
3390 ⊠	1	–	2	–
3340	–	1	–	2

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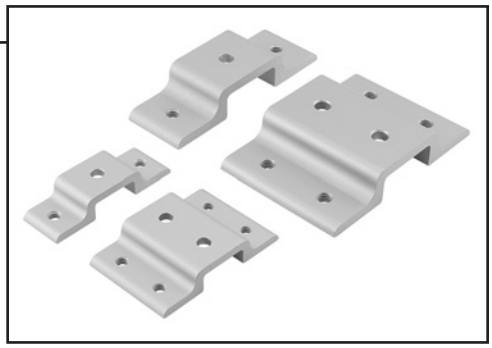
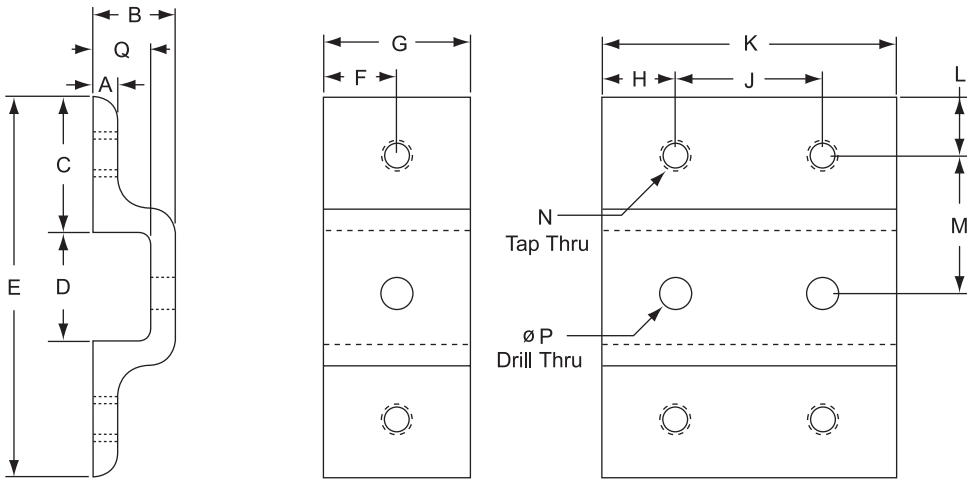
Double Panel Retainers

- **10 and 15 Series compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Strongest way to cost-effectively retain two plastic panels separated by a profile**
- **Simplifies panel installation and removal**
- **Requires a drill thru hole in the panel that lines up with retainer's tapped hole(s), see page 601**





2512 ⊠
2515

2513 ⊠
2516

⊠ = 10 Series Compatible Part

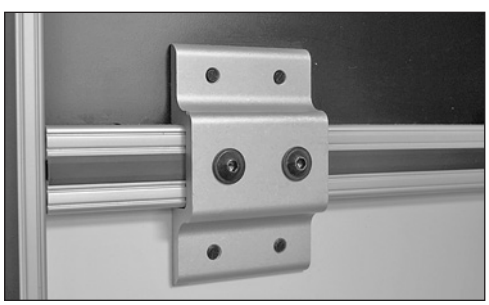
Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	Lbs.
2512 ⊠	.188	.563	1.000	1.021	3.021	.500	1.000	–	–	–	.392	1.118	1/4-20	.257	.375	.060
2515	.250	.840	1.500	1.523	4.520	.750	1.500	–	–	–	.594	1.666	5/16-18	.328	.590	.195
2513 ⊠	.188	.563	1.000	1.021	3.021	–	–	.500	1.000	2.000	.392	1.118	1/4-20	.257	.375	.120
2516	.250	.840	1.500	1.523	4.520	–	–	.750	1.500	3.000	.594	1.666	5/16-18	.328	.590	.390

Recommended Mounting Hardware (Mount to T-Slot):

	Retainer Part No.			
Part No.	2512	2515	2513	2516
3321 ⊠	1	–	2	–
3320	–	1	–	2

Recommended Mounting Hardware (Mount to 1/4" Panel):

	Retainer Part No.			
Part No.	2512	2515	2513	2516
3390 ⊠	2	–	4	–
3340	–	2	–	4



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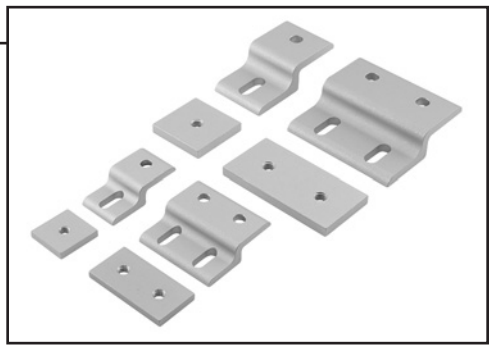
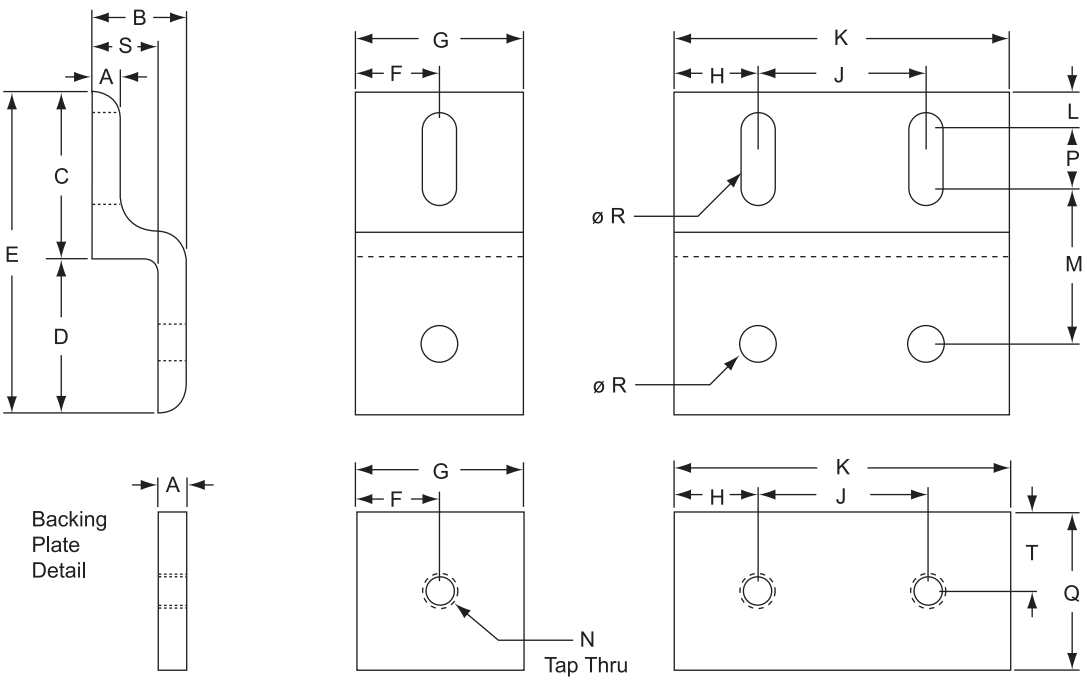
Single Mesh Panel Retainers

- **10 and 15 Series compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Strongest way to cost-effectively retain wire mesh or expanded metal panels**
- **Simplifies panel installation and removal**
- **Panel is secured when tightened between retainer and its threaded backing plate**





2491 ⌘ **2494** ⌘
2436 **2435**

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	Lbs.
2491 ⌘	.188	.563	1.000	.938	1.938	.500	1.000	–	–	–	.250	.875	1/4-20	.375	1.000	.255	.375	.500	.055
2436	.250	.840	1.500	1.379	2.879	.750	1.500	–	–	–	.344	1.406	5/16-18	.500	1.500	.328	.590	.750	.175
2494 ⌘	.188	.563	1.000	.938	1.938	–	–	.500	1.000	2.000	.250	.875	1/4-20	.375	1.000	.255	.375	.500	.110
2435	.250	.840	1.500	1.379	2.879	–	–	.750	1.500	3.000	.344	1.406	5/16-18	.500	1.500	.328	.590	.750	.350

⌘ = 10 Series Compatible Part

Note: Refer to following page for recommended mounting hardware.

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Single Mesh Retainers continued

Recommended Mounting Hardware (Mount to 12/16" Gauge Wire):

	Retainer Part No.			
Part No.	2491	2436	2494	2435
3063 ⊠	1	–	2	–
3114	–	1	–	2

Recommended Mounting Hardware (Mount to T-Slot):

	Retainer Part No.			
Part No.	2491	2436	2494	2435
3321 ⊠	1	–	2	–
3320	–	1	–	2

Part No.	Lbs.	Size	Description
2490 ⊠	.035	1.000	Mesh Retainer
2432	.120	1.500	Mesh Retainer
2493 ⊠	.075	2.000	Mesh Retainer
2431	.240	3.000	Mesh Retainer
2491 ⊠	.055	1.000	Mesh Retainer w/ Backing Plate
2436	.175	1.500	Mesh Retainer w/ Backing Plate
2494 ⊠	.110	2.000	Mesh Retainer w/ Dbl Backing Plate
2435	.350	3.000	Mesh Retainer w/ Dbl Backing Plate
2492 ⊠	.020	1.000	Backing Plate
2438	.055	1.500	Backing Plate
2495 ⊠	.035	2.000	Dbl Backing Plate
2437	.110	3.000	Dbl Backing Plate

⊠ = 10 Series Compatible Part

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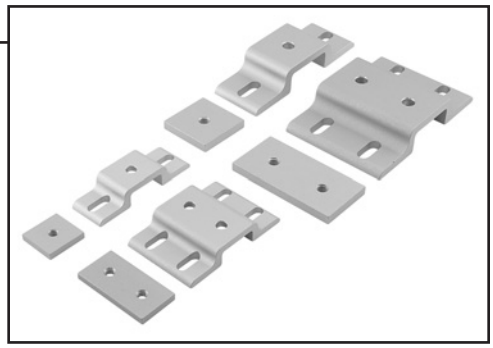
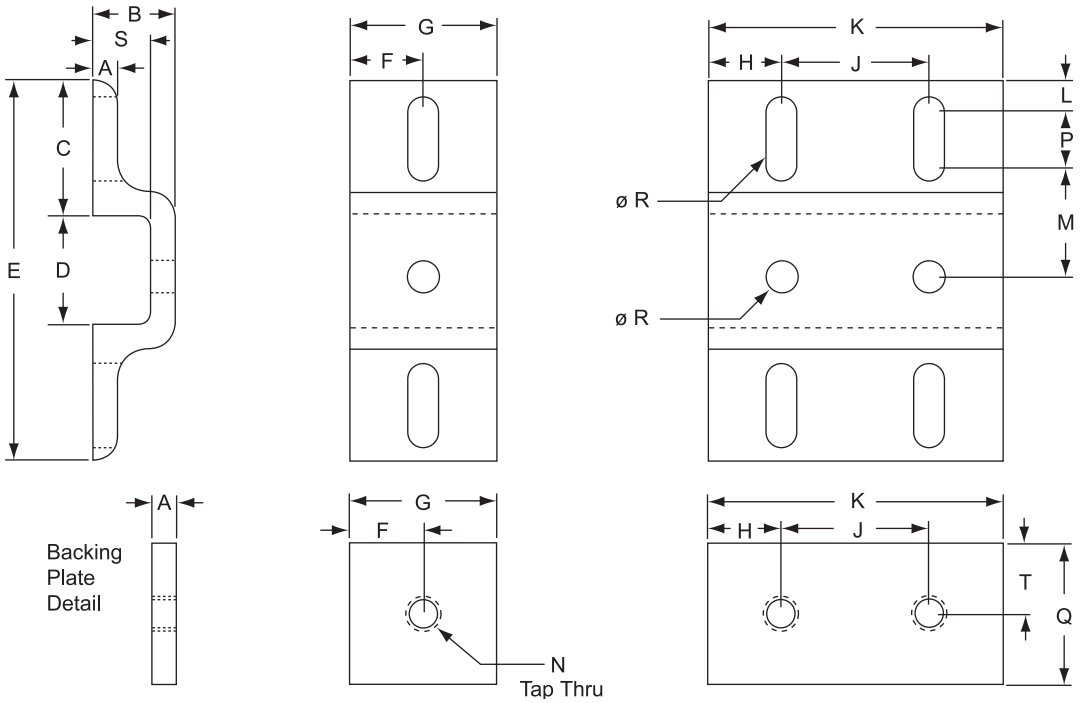
Double Mesh Panel Retainers

- **10 and 15 Series compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Strongest way to cost-effectively retain two wire panels separated by a profile**
- **Simplifies panel installation and removal**
- **Panel is secured when tightened between retainer and its threaded backing plate**





Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	Lbs.
2521 ⊠	.188	.563	1.000	1.021	3.021	.500	1.000	–	–	–	.250	.885	1/4-20	.375	1.000	.255	.375	.500	.060
2517	.250	.840	1.500	1.523	4.520	.750	1.500	–	–	–	.344	1.416	5/16-18	.500	1.500	.328	.590	.750	.195
2523 ⊠	.188	.563	1.000	1.021	3.021	–	–	.500	1.000	2.000	.250	.885	1/4-20	.375	1.000	.255	.375	.500	.120
2519	.250	.840	1.500	1.523	4.520	–	–	.750	1.500	3.000	.344	1.416	5/16-18	.500	1.500	.328	.590	.750	.390

⊠ = 10 Series Compatible Part

Note: Refer to following page for recommended mounting hardware.

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Double Mesh Panel Retainers continued

Recommended Mounting Hardware: (Mount 12 / 16 Gauge Wire)

	Retainer Part No.			
Part No.	2521	2517	2523	2519
3063 ⊠	2	–	4	–
3114	–	2	–	4

Recommended Mounting Hardware (Mount to T-Slot):

	Retainer Part No.			
Part No.	2521	2517	2523	2519
3321 ⊠	1	–	2	–
3320	–	1	–	2

Part No.	Lbs.	Size	Description
2521 ⊠	.060	1.000	Double Mesh Retainer
2517	.195	1.500	Double Mesh Retainer
2523 ⊠	.120	2.000	Double Mesh Retainer
2519	.390	3.000	Double Mesh Retainer
2522 ⊠	.080	1.000	Double Mesh Retainer w/ Backing Plate
2518	.250	1.500	Double Mesh Retainer w/ Backing Plate
2524 ⊠	.155	2.000	Double Mesh Retainer w/ Dbl Backing Plate
2520	.500	3.000	Double Mesh Retainer w/ Dbl Backing Plate
2492 ⊠	.020	1.000	Double Backing Plate
2438	.055	1.500	Double Backing Plate
2495 ⊠	.035	2.000	Double Dbl Backing Plate
2437	.110	3.000	Double Dbl Backing Plate

⊠ = 10 Series Compatible Part

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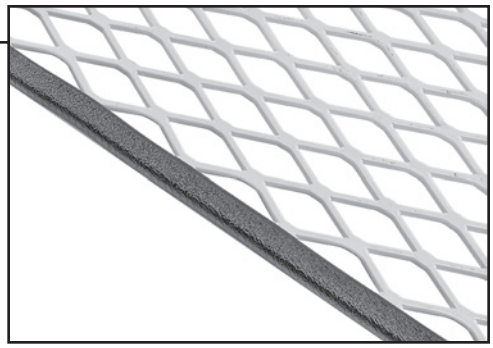
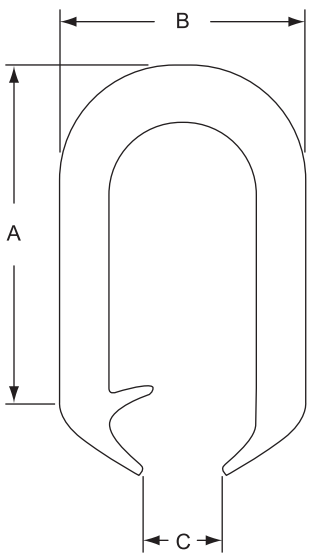
Wire Edge "Cut You Not"

- **Crimps on edge of wire mesh or expanded metal panels**
- **Made of black flexible PVC with internal metal clips**
- **Create clean, safe, and easy access openings**
- **Sold by the foot with no cut charge necessary**



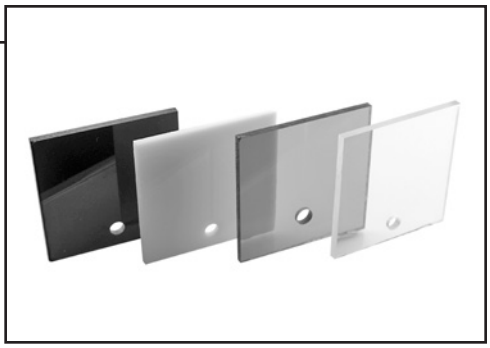


Part No.	Description	A	B	C	Lbs. / Ft.
2465	Black Wire Edge	.560	.395	.188	.075

www.8020.net/beyond.asp

Acrylic Panels

- **Cost-effective panel alternative**
- **High optical clarity**
- **Resistant to weather elements**
- **Stable up to 180º**
- **Cut plastic panels to size with 7150 or 7155 services on page 583**



Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2601	Clear	.220 - .236"	1.450	48" x 96" + .250/-0
2602	Clear	.177"	.840	48" x 96" + .250/-0
2603	White	.220 - .236"	1.450	48" x 96" + .250/-0
2604	White	.177"	.840	48" x 96" + .250/-0
2605	Black	.220 - .236"	1.450	48" x 96" + .250/-0
2606	Black	.177"	.840	48" x 96" + .250/-0
2607	Bronze	.220 - .236"	1.450	48" x 96" + .250/-0
2608	Bronze	.177"	.840	48" x 96" + .250/-0

Acrylic panels are a cost-effective alternative to polycarbonate. While less impact-resistant, acrylic is lighter in weight and available in more colors. Acrylic is great in applications where optical clarity and resistance to the elements are important. Only half as heavy as glass and only 40% as heavy as aluminum, acrylic is also easy to cut, drill, rout and paint. Use acrylic for applications such as displays, signs, furniture, low-impact guarding and partitions.

AR Polycarbonate Panels

- **Abrasion-resistant coating**
- **High impact resistance**
- **Stable up to 240º**
- **Good visual transparency**
- **Cut plastic panels to size with 7150 or 7155 services on page 583**
- **See pages 583-605 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2641	Clear	.177"	1.150	48" x 96" + .250/-0
2642	Clear	.220 - .236"	1.500	48" x 96" + .250/-0

Abrasion Resistant Polycarbonate is a standard polycarbonate panel with an abrasion-resistant coating. This hard coat surface gives a durable, impact-resistant polycarbonate panel the wearability of an acrylic sheet. AR Polycarbonate can be used to maintain a clear view of an enclosed operation on machine guards and other safety applications in high traffic areas.

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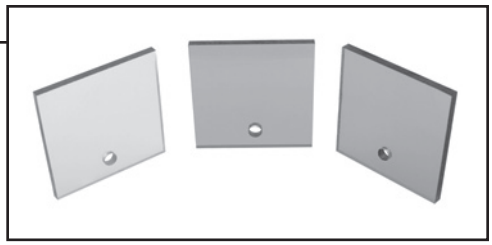
Polycarbonate Panels



- **Easily machinable**
- **Good optical clarity**
- **High impact resistance**
- **Stable up to 240º**
- **Now available in .118", .375" and .500" thickness**
- **Cut plastic panels to size with 7150 or 7155 services on page 583 (for .375 and .500 thick panels, use 7151 or 7153 services)**
- **See pages 583-605 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2643	Clear	.118"	.737	48" x 96" + .250/-0
2610	Clear	.177"	1.150	48" x 96" + .250/-0
2609 *	Clear	.220 - .236"	1.500	48" x 96" + .250/-0
				60" x 96" + .250/-0
2644	Clear	.375"	2.340	48" x 96" + .250/-0
2645	Clear	.500"	3.120	48" x 96" + .250/-0
2612	Bronze	.177"	1.150	48" x 96" + .250/-0
2611	Bronze	.220 - .236"	1.500	48" x 96" + .250/-0
2630	Gray	.177"	1.150	48" x 96" + .250/-0
2629	Gray	.220 - .236"	1.500	48" x 96" + .250/-0

*** Specify sheet size when ordering**

Polycarbonate is a high performance industrial application panel. Easily machined with standard hand tools, the high impact resistance offered by polycarbonate prevents cracking, chipping or breaking when cutting or drilling panels.

Recycled Polycarbonate Panels

- **Same machinability and impact resistance as our standard "virgin" polycarbonate panels**
- **Made from less costly, recycled material ***
- **Stable up to 240°**

* When compared to our standard "virgin" polycarbonate panels, recycled material may appear slightly tinted

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2647	Clear	.177"	1.150	48" x 96" + .250/-0
2646	Clear	.220 - .236"	1.500	48" x 96" + .250/-0

ABS Haircell Panels

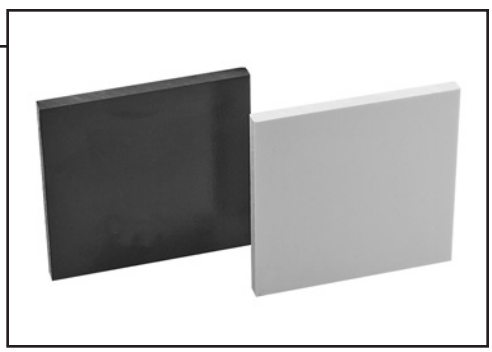
- **Lightweight**
- **Textured side hides marks and scratches**
- **Cost-effective**
- **Stable up to 180º**
- **Cut plastic panels to size with 7150 or 7155 services on page 583**
- **See pages 583-605 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2613	Black	.236"	1.700	54" + .250/-0 x 103" + .625/-0
2614	Black	.177"	1.000	48" + .250/-0 x 96" + .500/-0

ABS Haircell is a great cost-effective alternative to acrylic and polycarbonate. ABS Haircell has a unique textured side, which hides scratches and other marks while offering greater impact resistance than acrylic panels. Easily machined, ABS Haircell is a general purpose sheet that is well suited to almost any application, including furniture, workstations, displays, guarding and partitions.

Kydex® Panels

- **Impact-resistant panel**
- **Fire rated UL 94 V-O**
- **Textured finish on front of panel hides marks and scratches**
- **Available in black or yellow**
- **Stable up to 160º**



Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2660	Black	.187"	1.150	48" x 96" + .375/-0
2661	Black	.250"	1.500	48" x 96" + .375/-0
2662	Yellow	.187"	1.150	48" x 96" + .375/-0
2663	Yellow	.250"	1.500	48" x 96" + .375/-0

This impact-resistant sheet features a colored cap with a similarly colored substrate. Textured on one side, this fire-retardant panel combines an aesthetic appearance with long service life.

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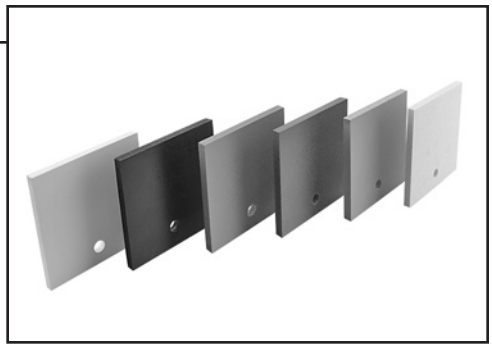
Expanded PVC Panels

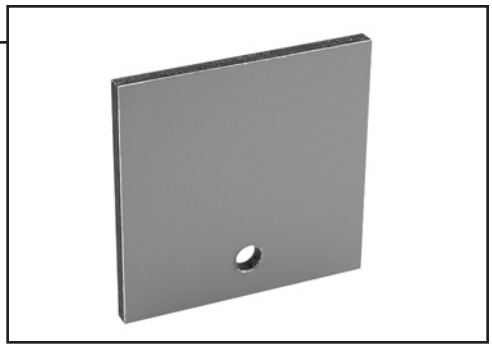


- **Low cost and lightweight**
- **Decorative applications can be designed using several of our available colors**
- **Stable up to 140º**
- **Good chemical resistance**
- **Cut plastic panels to size with 7150 or 7155 services on page 583**
- **See pages 583-605 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2615	White	.236”	.900	48” + .197/-0 x 96” + .394/-0
2616	White	.118”	.500	48” + .197/-0 x 96” + .394/-0
2617	Black	.236”	.900	48” + .197/-0 x 96” + .394/-0
2618	Black	.118”	.500	48” + .197/-0 x 96” + .394/-0
2619	Red	.236”	.900	48” + .197/-0 x 96” + .394/-0
2620	Red	.118”	.500	48” + .197/-0 x 96” + .394/-0
2621	Blue	.236”	.900	48” + .197/-0 x 96” + .394/-0
2622	Blue	.118”	.500	48” + .197/-0 x 96” + .394/-0
2623	Gray	.236”	.900	48” + .197/-0 x 96” + .394/-0
2624	Gray	.118”	.500	48” + .197/-0 x 96” + .394/-0
2631	Yellow	.236”	.900	48” + .197/-0 x 96” + .394/-0
2632	Yellow	.118”	.500	48” + .197/-0 x 96” + .394/-0

Expanded PVC panels, available in 6 colors, are a low cost alternative to Acrylic and Polycarbonate panels. Expanded PVC panels are very weather-resistant and easily machined. The light impact resistance limits the usage of Expanded PVC panels to light-duty applications where contact is a minimum. Expanded PVC works great as signage, displays or exhibit panels.

Alucobest Panels



- **Half the weight of solid aluminum, making machining easy**
- **Smooth metallic finish is impact-resistant**
- **Alucobest is durable and resistant to weather and elements**
- **Stable up to 175º**
- **Cut plastic panels to size with 7150 or 7155 services on page 583**
- **See pages 583-605 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2650	Platinum	.236"	1.490	50" x 122" +/- .079

An aluminum composite material composed of two .020" aluminum skins bonded to a polyethylene core, Alucobest has a smooth metallic finish similar to that of a solid aluminum panel, with only half the weight. Offering good impact resistance, Alucobest also resists buckling and warping and is easily machined. When you need a strong, solid panel for guarding, enclosures, or workstations in place of a solid aluminum sheet, Alucobest is the answer.

Alumalite® Panels

- **Lightweight composite panel**
- **Smooth, glossy, painted finish**
- **Water-resistant core**
- **Stable up to 120º**
- **Cut plastic panels to size with 7150 or 7155 services on page 583**
- **See pages 583-605 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2633	Blue	.236"	.625	48" x 96" +/- .250
2634	Red	.236"	.625	48" x 96" +/- .250
2635	Silver	.236"	.625	48" x 96" +/- .250
2636	Yellow	.236"	.625	48" x 96" +/- .250
2637	Black	.236"	.625	48" x 96" +/- .250

NEW!

Alumalite®, a strong aluminum composite panel with a corrugated polyallomer core between two .016" aluminum skins, is a perfect choice for applications that require a lightweight, aesthetic looking panel. The CPA core provides Alumalite® weather-resistant properties that make this panel appropriate for indoor or outdoor applications including furniture, signs, displays, workstations and machine guarding.

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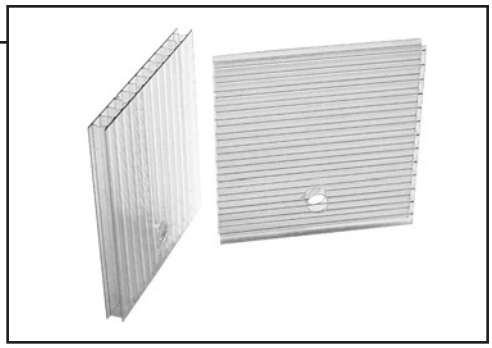
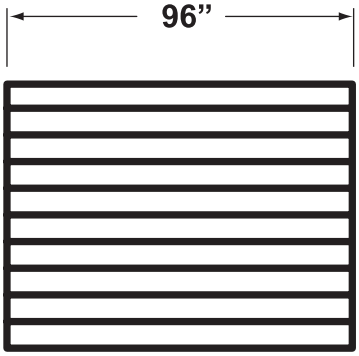
Twin Wall Polycarbonate Panels



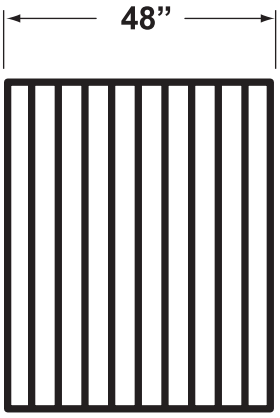
- **Lightweight**
- **90% light transmission**
- **Resistant to weather and elements**
- **Twin walls**
- **Cut plastic panels to size with 7150 or 7155 services on page 583**
- **See pages 583-605 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2640	Clear	.236”	.266	48” +.157/-0 x 96” +.197/-0

Twin Wall Polycarbonate provides an excellent solution for a wide range of lightweight guarding, partition, and enclosure needs. At one-sixth the weight of a solid polycarbonate panel, Twin Wall Polycarbonate is quick and easy to work with.



Horizontal Orientation



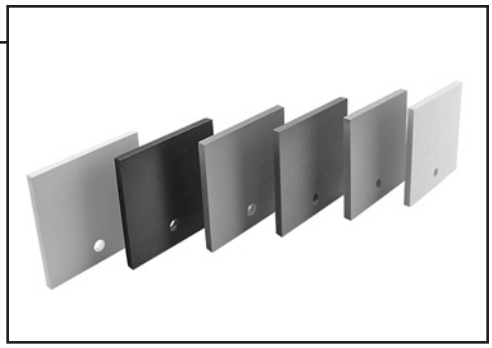
Vertical Orientation

Always specify the required direction for the channel orientation when ordering Twin Wall Polycarbonate panels.

We specialize in FAST™ *same day shipments!*

HDPE Panels

- **Cost-effective decorative panel available in six colors**
- **Haircell-type texture on both sides**
- **More impact-resistant than expanded PVC panels**
- **Very good chemical resistance**



Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2651	Black	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2652	Black	.177"	.900	48" +.250/-0 x 96" +.500/-0
2653	White	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2654	White	.177"	.900	48" +.250/-0 x 96" +.500/-0
2655	Gray	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2656	Gray	.177"	.900	48" +.250/-0 x 96" +.500/-0
2657	Yellow	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2658	Yellow	.177"	.900	48" +.250/-0 x 96" +.500/-0
2666	Blue	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2667	Blue	.177"	.900	48" +.250/-0 x 96" +.500/-0
2668	Red	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2669	Red	.177"	.900	48" +.250/-0 x 96" +.500/-0

HDPE panels, available in six colors, are a great alternative to Expanded PVC panels. HDPE panels are weather-resistant and have excellent machining characteristics. With two textured sides, this panel is a great option in areas where both sides of the panel are exposed. HDPE has a high coefficient of thermal expansion. Allow panels to expand and contract by using oversized mounting holes, and not captivating the panel tightly in the T-slot.

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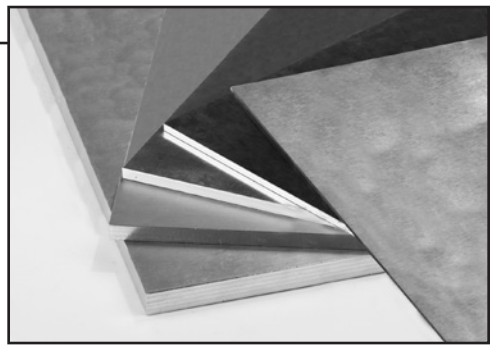
Solid Aluminum Plate



- **Unanodized mill finish**
- **6061-T6 alloy**
- **Anodized parts quoted on request (CM)**
- **See page 608 for mill finish sanding service**
- **See page 608 for aluminum panel machining services**

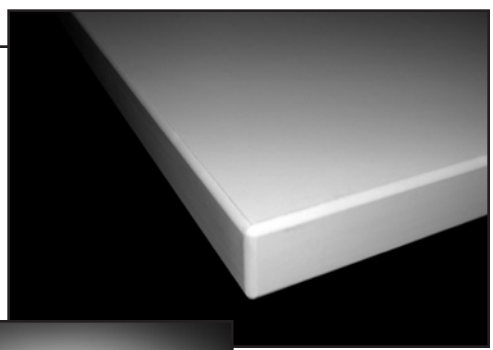
Part No.	Material	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2452	Aluminum Plate	.060"	.889	48" +/- .125 x 144" +/- .156
2453	Aluminum Plate	.125"	1.764	48" +/- .125 x 144" +/- .156
2454	Aluminum Plate	.187"	2.680	48" +/- .125 x 144" +/- .156
2455	Aluminum Plate	.250"	3.700	48" +/- .125 x 144" +/- .156
2456	Aluminum Plate	.375"	5.550	48" +/- .125 x 144" +/- .156
2457	Aluminum Plate	.500"	7.400	48.5" +/- .375 x 96.5" +/- .500

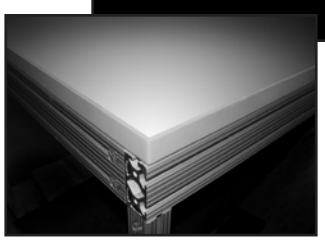
NEW!

80/20® now offers solid aluminum, mill finish plate in six thicknesses. These aluminum sheets can be anodized and machined to meet your needs.

Laminated Table Tops

DVD



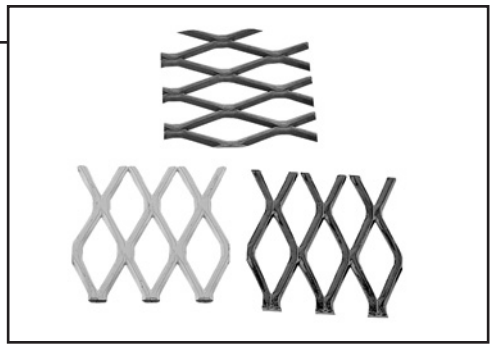


- **Quality 1.25" high-pressure laminate table tops**
- **Perfect choice for completing your custom workstation**
- **Available in gray color**
- **1/8" PVC bumper edge coordinates with table color**
- **See page 443 for tabletop fastening kit**

Part No.	Size	Lbs.
2800	1.25" x 30" x 48"	50.000
2802	1.25" x 30" x 60"	63.000
2804	1.25" x 30" x 72"	75.000
2806	1.25" x 36" x 72"	90.000

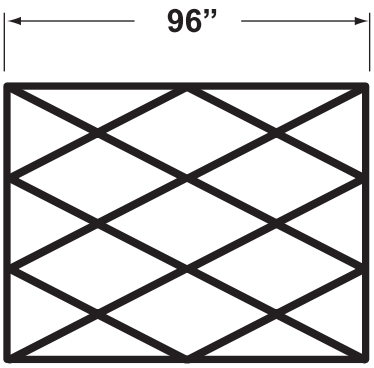
Expanded Metal Panels

- **Heavy-duty panel**
- **Powder coat or carbon steel finish**
- **Stronger than welded wire cloth**
- **Impact resistant**
- **Shear expanded metal panels to size with 7095 or 7100 services on page 583**

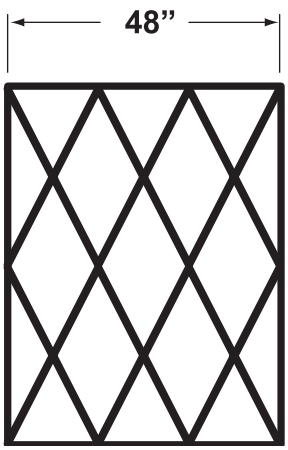


Part No.	Material	Type	Thickness	Lbs. / Sq. Ft.	Dimensions	Stock Sheet Size
2480	Carbon Steel	Flattened	.135”	1.720	Diamond 2” x .9”	48” x 96” +.250/-0
2481	Powder Coated Black	Flattened	.140”	1.720	Diamond 2” x .9”	48” x 96” +.250/-0
2482	Powder Coated Yellow	Flattened	.140”	1.720	Diamond 2” x .9”	48” x 96” +.250/-0

80/20®'s Expanded Metal Panels are the perfect choice for any heavy-duty guarding application. Available in a standard carbon steel finish, Expanded Metal is also stocked with a black or yellow powder coated finish. Expanded Metal surpasses wire mesh in strength and durability.



Horizontal Orientation



Always specify the required direction for the diamond orientation when ordering Expanded Metal Panels.

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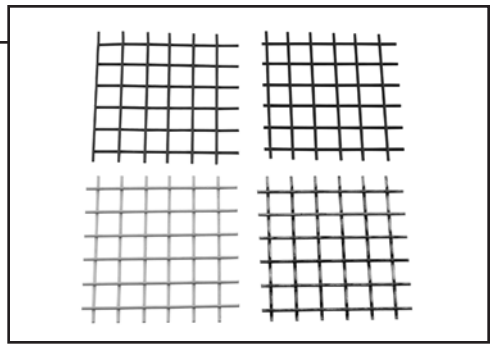
Wire Mesh Panels

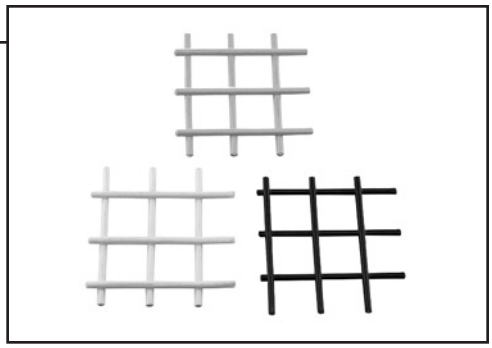
- **Great for guarding applications**
- **Low-cost alternative to expanded metal panels**
- **Lightweight yet impact resistant**
- **Powder coat or carbon steel finish**
- **Shear wire mesh panels to size with 7095 or 7100 services on page 583**



Part No.	Material	Wire Gauge	Thickness	Lbs. / Sq. Ft.	Dimensions	Stock Sheet Size
2470	Galvanized Steel	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2460	Galvanized Steel	16	.137"	.510	Square .50" x .50"	48" x 96" +/- .50"
2468	Powder Coated Blue	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2463	Powder Coated Blue	16	.137"	.580	Square .50" x .50"	48" x 96" +/- .50"
2467	Powder Coated Red	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2462	Powder Coated Red	16	.137"	.580	Square .50" x .50"	48" x 96" +/- .50"
2471	Powder Coated Yellow	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2461	Powder Coated Yellow	16	.137"	.580	Square .50" x .50"	48" x 96" +/- .50"
2479	Powder Coated Black	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2464	Powder Coated Black	16	.137"	.580	Square .50" x .50"	48" x 96" +/- .50"

Welded Wire Mesh Panels are a great low cost alternative to expanded metal panels. While not as strong as expanded metal, their light weight makes working with Wire Mesh Panels quick and easy. Available in carbon steel and four powder coat colors, these Wire Mesh Panels work well for guarding and enclosure applications.

Thermoplastic Coated Wire Mesh Panels



- **Widely used in guarding and enclosure applications**
- **Strong yet lightweight**
- **Low wear value, won't flake or chip**
- **Light impact and corrosion resistant**
- **Thermoplastic coating is FDA-compliant and easy to clean**
- **Shear wire mesh panels to size with 7095 or 7100 services on page 583**

Part No.	Material	Wire Gauge	Thickness	Lbs. / Sq. Ft.	Dimensions	Stock Sheet Size
2472	Thermoplastic Coated Carbon Steel Black	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2474	Thermoplastic Coated Carbon Steel Black	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"
2478	Thermoplastic Coated Carbon Steel Black	12	.210"	1.300	Square 2" x 2"	48" x 96" +/- .50"
2473	Thermoplastic Coated Carbon Steel Yellow	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2475	Thermoplastic Coated Carbon Steel Yellow	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"
2477	Thermoplastic Coated Carbon Steel Grey	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2476	Thermoplastic Coated Carbon Steel Grey	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"

Thermoplastic Coated Wire Mesh is the low-cost alternative to powder coated wire and expanded metal. Available in three colors, the thermoplastic coating creates a clean look for your application and prevents cuts and other injuries. Thermoplastic Coated Wire Mesh Panels are great for use in guarding, enclosure and machine frame applications.

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Panel Area Calculation Chart

Directions for area calculation:

- **Round both length and width dimensions of the panel up to the next 6" increment.**
- **Find the length and width along the top and left side of area calculation chart.**
- **Find the area in square feet at the intersection of the length and width dimensions.**

Linear Dimensions	6”	12”	18”	24”	30”	36”	42”	48”	54”	60”
6”	.25	.50	.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50
12”	.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00
18”	.75	1.50	2.25	3.00	3.75	4.50	5.25	6.00	6.75	7.50
24”	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00
30”	1.25	2.50	3.75	5.00	6.25	7.50	8.75	10.00	11.25	12.50
36”	1.50	3.00	4.50	6.00	7.50	9.00	10.50	12.00	13.50	15.00
42”	1.75	3.50	5.25	7.00	8.75	10.50	12.25	14.00	15.75	17.50
48”	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00
54”	2.25	4.50	6.75	9.00	11.25	13.50	15.75	18.00	20.25	22.50
60”	2.50	5.00	7.50	10.00	12.50	15.00	17.50	20.00	22.50	25.00
66”	2.75	5.50	8.25	11.00	13.75	16.50	19.25	22.00	24.75	27.50
72”	3.00	6.00	9.00	12.00	15.00	18.00	21.00	24.00	27.00	30.00
78”	3.25	6.50	9.75	13.00	16.25	19.50	22.75	26.00	29.25	32.50
84”	3.50	7.00	10.50	14.00	17.50	21.00	24.50	28.00	31.50	35.00
90”	3.75	7.50	11.25	15.00	18.75	22.50	26.25	30.00	33.75	37.50
96”	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00	36.00	40.00
102”	4.25	8.50	12.75	17.00	21.25	25.50	29.75	34.00	38.25	42.50
108”	4.50	9.00	13.50	18.00	22.50	27.00	31.50	36.00	40.50	45.00
114”	4.75	9.50	14.25	19.00	23.75	28.50	33.25	38.00	42.75	47.50
120”	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00

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Section #7 Pictorial Table Of Contents

Introduction To Accessories

Page 434

How To Order

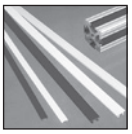
Page 435

End Caps

Page 436

Self Tapping Screws

Page 436

T-Slot Covers

Page 437

T-Slot Tread Strips

Page 438

Gravity Roller Mounting Block

Page 438

Wiring Duct

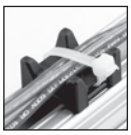
Page 439

Cable Ties

Page 439

Cable & Tube Clips

Page 440

Cable Mount Blocks

Page 441

Nylon T-Slot Nut

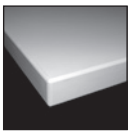
Page 441

Anodize Breaker

Page 442

Grounding Terminal

Page 442

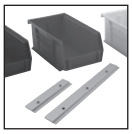
Laminated Table Tops & Kits

Page 443

Cart Guard®

Page 444

Cart Guard® Corners

Page 445

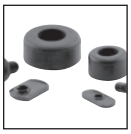
AkroBins®

Page 446

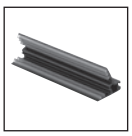
Tool Hangers

Page 447

Spring Snap Hook

Page 447

Rubber Bumpers

Page 448

Plastic Document Holders

Page 449

Label Holders

Page 449

Tube and Wire Clamps

Page 450

Pressure Manifold Plates

Pages 451-453

T-Slot Velcro® Fastener

Page 454

Push-In Fasteners

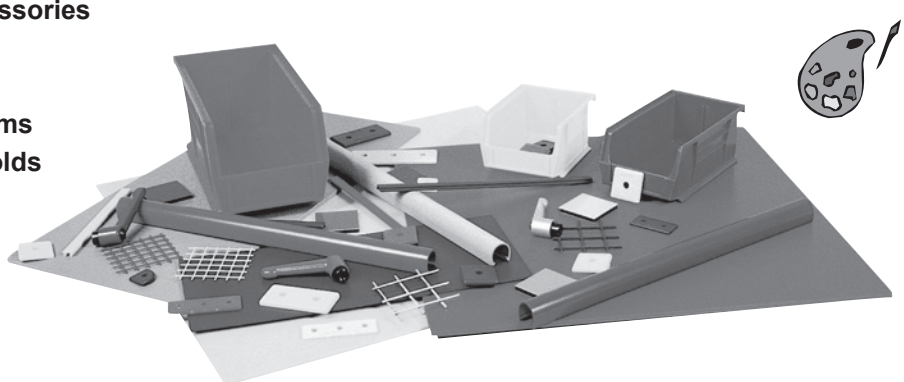
Page 454

Power Strips

Page 455

- Add air and fluid options to your frame
- Ergonomic and adjustable
- Easy to add accessories
- Build your own:
  - Workstations
  - Inventory Systems
  - Pressure Manifolds
  - Work Benches
  - QC Stations
  - Shelving
  - Storage
  - and lots more!

Color Stuff!



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Introduction to Accessories

Section 7 contains all the information needed for adding accessories to your application. The components in this section can be used to complete your project and enhance your design.

End caps and T-slot covers enclose the ends of your profile and cover the T-slots. They fit all of our T-slotted profiles and are available in different styles and many colors.

Table tops, which include a bumper edge, increase the flexibility of any workstation or desk.

Cart Guard® is a flexible PVC bumper, available in various colors, that will protect your application and anything that comes into contact with it.

AkroBins® and shelf bins, available in a variety of sizes and colors, are an economical way to store and display parts and components.

We have accessories of all kinds, including tool hangers and tube clamps. Use tool hangers to hang air tools, cable reels or transport cables. Single, double and stackable tube clamps attach your tubes and wires of all sizes.

Manifold plates are compatible with most fluids and gases. Select from our T-slotted profiles such as 1020, 1030, 2020, 2040, 1530, 1530-Lite, 1545, 3030, or 3060. If you need a custom manifold plate, check out our structural shapes, pages 203-220, and call 80/20 or your local distributor for a custom machining quote.

Considerations

- **Custom designs to fit your space constraints**
- **Workstation and desk components to meet the demands and needs of the job at hand**
- **Aesthetically pleasing**
- **End or side mounts for manifold plates, even CUSTOM plates (our specialty)**
- **Accessories that complement your design**
- **COLORS! COLORS! COLORS!**
- **One-stop shopping!…only at 80/20®**

Legend for Icons

This part is 10 Series compatible

This part is available in several colors

This part can use double economy T-nuts
(see bolt kit table P on page 268)

This part can use triple economy T-nuts
(see bolt kit table Q on page 268)

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How to Order 80/20® Accessories

Ordering accessories is a simple process; just list the part number, quantity, and a brief description of the accessory (see order example below). When you purchase accessories that require cut-to-length services, please include those charges with the complete order. Many parts have color choices; be sure to indicate the desired color when ordering. If ordering a manifold that mounts on the side, please send a drawing of the profile with your order. And remember to order an aluminum container hanger for each AkroBin® ordered.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part No.	Quantity	Length	Description / Machining	Price/ UOM	Ext. Price
1	1010	2	18.50"	7042 in A both ends	$.23	$8.51
	1515-Lite-145	5	145.00"	Full length profile	$65.25	$326.25
	3060	4	40.00"	7029 one end	$2.95	$472.00
	3030	4	36.00"	7050 style G in W, X both ends	$1.50	$216.00
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	2611	1	5.25 sf.	1/4" bronze polycarb 1 @ 18" x 40" w/ 7311 per drawing	$10.40	$54.60
4	7150	1		Cut plastic panels all sides < -48"	$10.50	$10.50
	7042	4		10 Series anchor fastener counterbore	$2.25	$9.00
	7005	2		Cut-to-length for 1010	$1.95	$3.90
	7023	4		Cut-to-length for 3060	$2.90	$11.60
	7030	4		Cut-to-length for 3030	$2.60	$10.40
	7050	64		15 Series drill access hole	$1.95	$124.80
	7029	4		5/16-18 tap service for 3060	$15.20	$60.80
	7311	2		Anchor fastener notch for 10 Series	$0.53	$1.06
5	3380	32		15 Series 5/16-18 black zinc end fastener w/ screw	$1.60	$51.20
	2114	16		Gray T-Slot covers for 10 Series	$3.45	$55.20
	2050	8		End caps for 3030	$1.85	$14.80
	3395	4		10 Series anchor fasteners	$2.90	$11.60
	3279	5		15 Series 5/16-18 black zinc double economy T-nut	$0.79	$3.95
	4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	3393	24		10 Series 1/4-20 BHSCS & economy T-nut	$0.40	$9.60
				TOTAL		$1549.17

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 147-202 • 2 - Custom Parts = Pages 203-220 • 3 - Panels = Pages 349-432

4 - Machining Services = Pages 559-608 • 5 - Accessories & Tools = Pages 433-456 & 549-558

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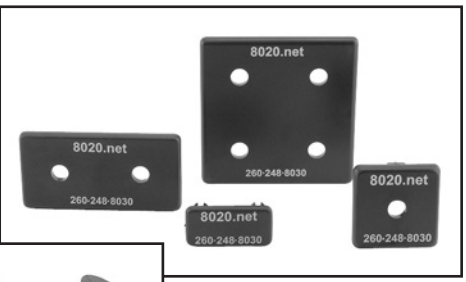
End Caps

- **Compatible with 10 and 15 Series T-slotted profiles**
- **Can be mounted with 1/4-20 or 5/16-18 screws shown on pages 249-252 or self-tapping screws (see below). See page 564 for tapping service**
- **Made of molded black ABS with white screen printed logo or plain black**
- **The finishing touch for your project**
- **Available in red, blue, yellow and gray**



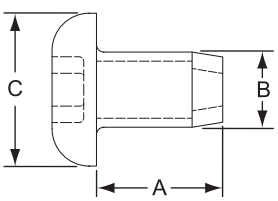
Push-In Fasteners Included

Part No.					Description	Size	Lbs.
Black	Red	Blue	Yellow	Gray			
2015 ⊠	2015RED ⊠	2015BLU ⊠	2015YEL ⊠	2015GRA ⊠	1010 End Cap	1" x 1" x 1/8"	.005
2022 ⊠	2022RED ⊠	2022BLU ⊠	2022YEL ⊠	2022GRA ⊠	1012 End Cap	1" x 1" x 1/8"	.003
2025 ⊠	2025RED ⊠	2025BLU ⊠	2025YEL ⊠	2025GRA ⊠	1020 End Cap	1" x 2" x 1/8"	.010
2026 ⊠	2026RED ⊠	2026BLU ⊠	2026YEL ⊠	2026GRA ⊠	1030 End Cap	1" x 3" x 1/8"	.015
2028 ⊠	2028RED ⊠	2028BLU ⊠	2028YEL ⊠	2028GRA ⊠	2020 End Cap	2" x 2" x 1/8"	.020
2030	2030RED	2030BLU	2030YEL	2030GRA	1515/1515 Lite End Cap	1.5" x 1.5" x 3/16"	.015
2035	2035RED	2035BLU	2035YEL	2035GRA	1517 Quarter Round End Cap	1.5" x 1.5" x 3/16"	.013
2045	2045RED	2045BLU	2045YEL	2045GRA	1530/1530 Lite End Cap	1.5" x 3" x 3/16"	.030
2046	2046RED	2046BLU	2046YEL	2046GRA	1545 End Cap	1.5" x 4.5" x 3/16"	.045
2050	2050RED	2050BLU	2050YEL	2050GRA	3030 End Cap	3" x 3" x 3/16"	.065
2036	–	–	–	–	1534 Lite End Cap (Black Only)	1.5" x .75" x 1/8"	.007
2037	–	–	–	–	3034 Lite End Cap (Black Only)	3.0" x .75" x 1/8"	.017
2015-Plain ⊠	–	–	–	–	1010 Plain End Cap	1" x 1" x 1/8"	.005
2022-Plain ⊠	–	–	–	–	1012 Plain End Cap	1" x 1" x 1/8"	.003
2025-Plain ⊠	–	–	–	–	1020 Plain End Cap	1" x 2" x 1/8"	.010
2026-Plain ⊠	–	–	–	–	1030 Plain End Cap	1" x 3" x 1/8"	.015
2028-Plain ⊠	–	–	–	–	2020 Plain End Cap	2" x 2" x 1/8"	.020
2030-Plain	–	–	–	–	1515/1515 Lite Plain End Cap	1.5" x 1.5" x 3/16"	.015
2035-Plain	–	–	–	–	1517 Quarter Round Plain End Cap	1.5" x 1.5" x 3/16"	.013
2045-Plain	–	–	–	–	1530/1530 Lite Plain End Cap	1.5" x 3" x 3/16"	.030
2046-Plain	–	–	–	–	1545 Plain End Cap	1.5" x 4.5" x 3/16"	.045
2050-Plain	–	–	–	–	3030 Plain End Cap	3" x 3" x 3/16"	.065

⊠ = 10 Series Compatible Part

Self-Tapping Screws for Use with End Caps

- **Secure end caps without machining**
- **Button head provides finished look**
- **Tri-lobe (thread rolling) screws provide a clean, strong thread and drive easier than other self-tapping screws**



Part No.	Type	Finish	Thread	A	B	C	Lbs.	Compatibility Code
3266	Self-Tapping Fractional	Black	#12-24	.375	.212	.437	.006	6-10
3766		Bright	#12-24	.375	.212	.437	.006	6-10
3267		Black	M7 x 1.0	.375	.271	.437	.008	8-15
3767		Bright	M7 x 1.0	.375	.271	.437	.008	8-15

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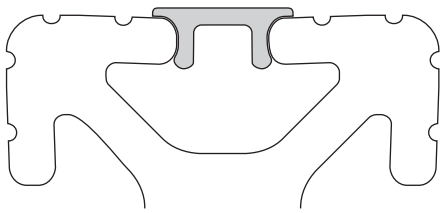
Standard T-Slot Covers

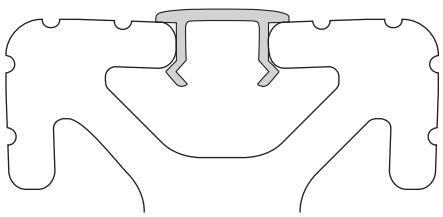
- Makes a great dust cover for T-slots
- OSHA friendly
- Cover wires and tubes in T-slots
- Available in black, gray and high-visibility yellow
- Stock length = 72.5”
- TIP: Use soft face mallet found on page 558 to tap the cover into the T-slot



Part No.	Description	Lbs.
2112 ⊠	Safety Yellow T-Slot Cover - 10 Series	.096
2113 ⊠	Black T-Slot Cover - 10 Series	.096
2114 ⊠	Gray T-Slot Cover - 10 Series	.096
2109	Safety Yellow T-Slot Cover - 15 Series	.121
2110	Black T-Slot Cover - 15 Series	.121
2111	Gray T-Slot Cover - 15 Series	.121

⊠ = 10 Series Compatible Part

Economy T-Slot Covers



- 10 and 15 Series compatible
- Cover wires and tubes in T-slots
- Cuts easily with metal shears
- Stock length = 72.5"
- Presses easily into T-slots
- Available in red, blue, black, gray, yellow and orange

Part No.	Description	Lbs.
2819 ⊠	Safety Yellow - 10 Series	.052
2820 ⊠	Black - 10 Series	.052
2821 ⊠	Gray - 10 Series	.052
2818 ⊠	Red - 10 Series	.052
2817 ⊠	Blue - 10 Series	.052
2816 ⊠	Orange - 10 Series	.052
2822	Safety Yellow - 15 Series	.113
2823	Black - 15 Series	.113
2824	Gray - 15 Series	.113
2825	Red - 15 Series	.113
2826	Blue - 15 Series	.113
2827	Orange - 15 Series	.113

⊠ = 10 Series Compatible Part

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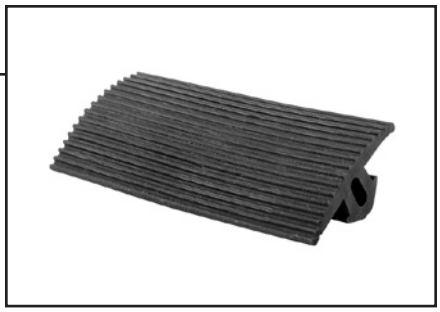
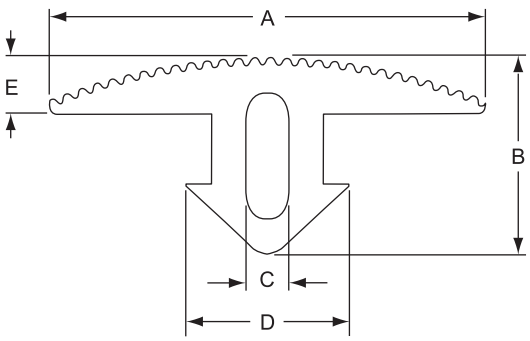
T-Slot Tread Strip
NBR rubber, Black

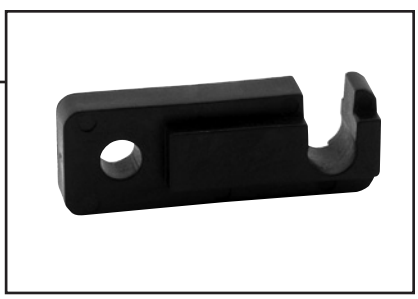


- **Press-fits in 15 Series T-slot**
- **Anti-slip ribbed surface on top side**
- **Sold by the meter, maximum length 20m**

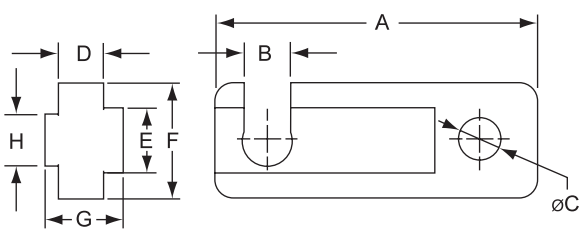


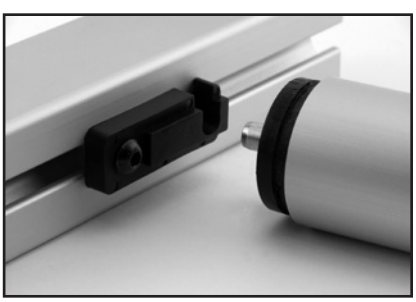
Part No.	Slot Tab	A	B	C	D	E	Lbs. / Ft.	Length	Compatibility Code*
12006	.315	1.224	.516	.335	.472	.157	.46	Sold by the meter	8-15, 8-30, 8-40

Gravity Roller Mounting Block
Fiberglass Reinforced Nylon, Black



- **Roller pin snaps in/out**
- **Reverses to fit slot 8/10 profiles**
- **Use with gravity rollers on page 1134**





Recommended Mounting Hardware:

Part No.	Series	Qty	Description
75-3601	15	1	M6 x 14mm BHSCS & Drop-In T-nut

Part No.	A	B	C	D	E	F	G	H	Lbs.	Compatibility Code*
12167	1.969	.283	.256	.276	.394	.709	.472	.315	.018	8-15, 8-40, 10-45

* See Compatibility Code information on page 152.

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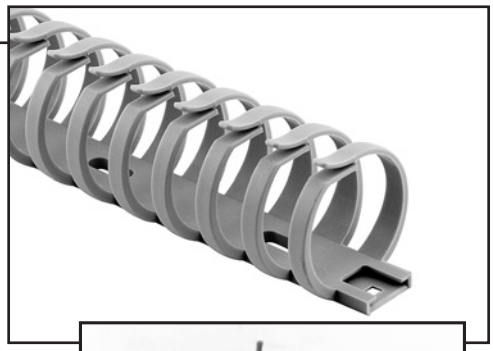
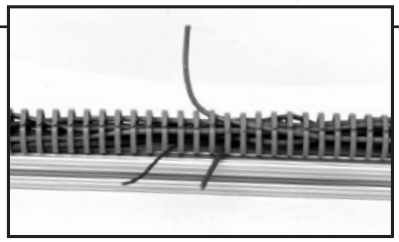
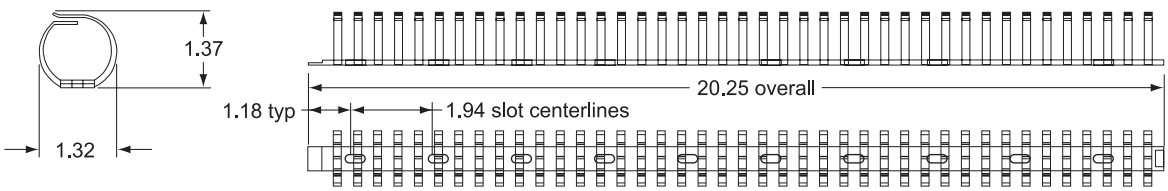
Wiring Duct

- 10 and 15 Series compatible
- Strips interlock for end-to-end attachment
- Available in gray
- Interlocked length 19.82"
- Overlapping fingers mean no separate cover and no sharp edges
- 10 bolt holes per section, 3 bolt assemblies per length for typical applications







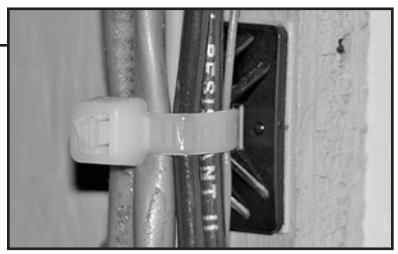
Part No.	Description	Lbs.
2899	Wire Duct	.052

⊠ = 10 Series Compatible Part

Bolt Kits	Series
(3) 3426 ⊠	10 Series
(3) 3487	15 Series

Cable Ties & Mounting

- Organizes tubing and wires
- Compatible with all profile series
- Sold in packages of 100 ties
- High tensile strength



Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Qty	Description
3059	1	1/4-20 x 3/8" BHSCS
AND		
3382	1	1/4-20 Economy T-Nut

Part No.	Length	Description	Quantity
2890	6.000	18 Lb. UV Black Wire Ties	100 Per Package
2891	8.000	40 Lb. UV Black Wire Ties	
2892	11.000	50 Lb. UV Black Wire Ties	
2893	—	.750 Mounting Pads	
2894	—	1.000 Mounting Pads	
2895	—	1/4 Inch Screw Mounting Pads	

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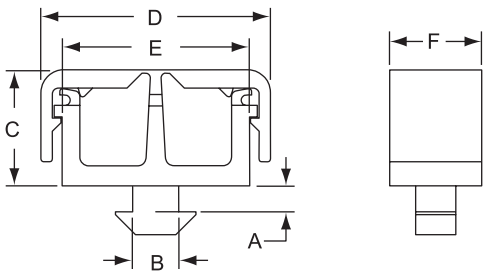
Cable & Tube Clip, 1/4 Turn

Fiberglass Reinforced Nylon, Black

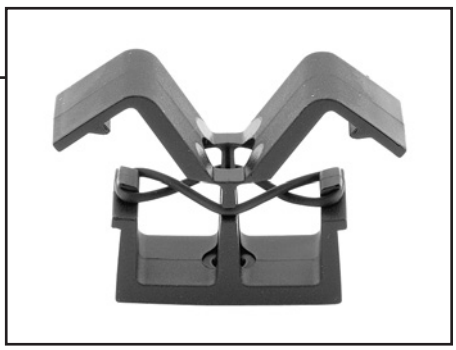
- **15 Series compatible**
- **Attach cable or tube without the need for cable ties**
- **Can be opened and closed repeatedly**
- **Twist 1/4 turn to lock in T-slot**



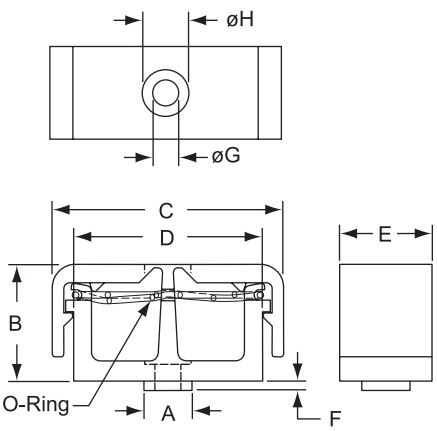
Part No.	A	B (Slot Tab)	C	D	E	F	Lbs.	Compatibility Code*
12319	.177	.315	.787	1.575	1.283	.630	.020	8-15, 8-40

Cable & Tube Clip

Fiberglass Reinforced Nylon, Black



- **15 Series compatible**
- **Attach cable or tube without the need for cable ties**
- **Can be opened and closed repeatedly**



Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Qty	Description
75-3560	1	M4 x 12mm SHCS & Drop-In T-nut

Part No.	A (Slot Tab)	B	C	D	E	F	G	H	(Lbs.	Compatibility Code*
12025	None	.787	1.575	1.283	.630	.063	.177	.315	.020	8-15, 8-30, 8-40, 10-45
12026	.315									8-15, 8-30, 8-40

* See Compatibility Code information on page 152.

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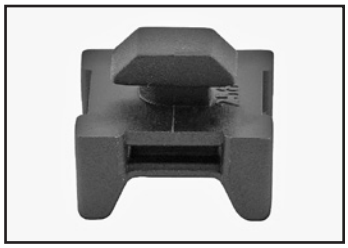
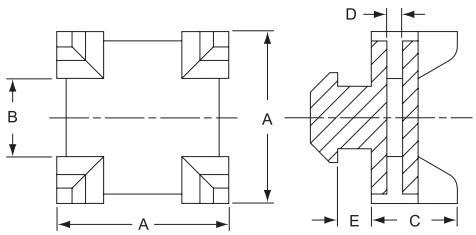
Cable Mount Block, 1/4 Turn

Fiberglass Reinforced Nylon, Black

- **10, 15, 25, and 40 Series compatible**
- **Attach cable ties to block in two directions**
- **Twist 1/4 turn to lock in T-slot**



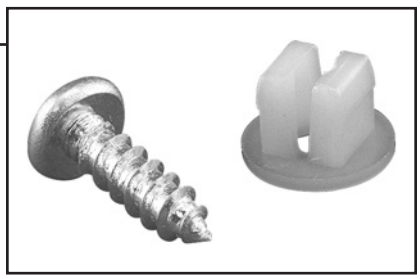


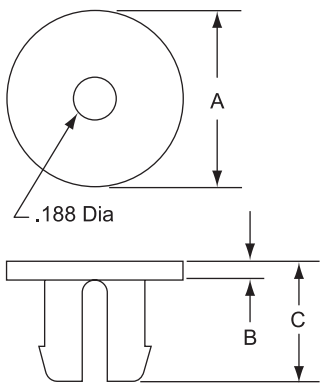
Part No.	A	B	C	D	E	Slot Tab	Lbs.	Compatibility Code*
12314	.866	.394	.435	.079	.100	.266	.008	6-10, 6-25
12316	.866	.394	.435	.079	.169	.315	.010	8-15, 8-40

* See Compatibility Code information on page 152.

Nylon T-Slot Nut

- **15 Series compatible**
- **Light-duty fastening method for 15 Series accessories**
- **Remains in place even in vertical applications**
- **Tightening the #12 sheet metal screw expands the nut into the T-slot**



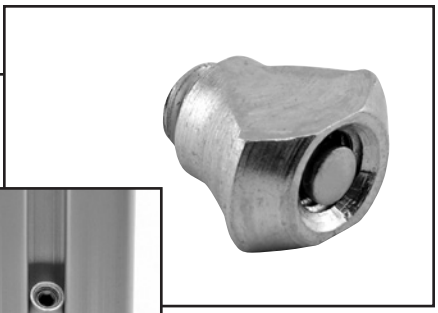


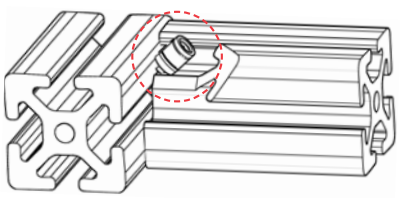
Part No.	Description	Quantity	A	B	C	Lbs.
3348	T-Slot Nuts w/screws	12 per bag	.565	.060	.325	.309 bag
3346	T-Slot Nuts only	50 per bag	.565	.060	.325	.071 bag

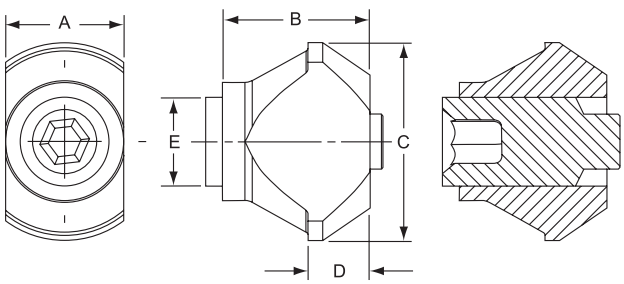
Anodize Breaker

Zinc-Plated Steel

- **Penetrates anodizing to provide grounding continuity between 15 Series profiles**
- **Twist breaker into the T-slot, tilt at 45° angle, then drive the M6 set screw into the seam of the mating profiles**





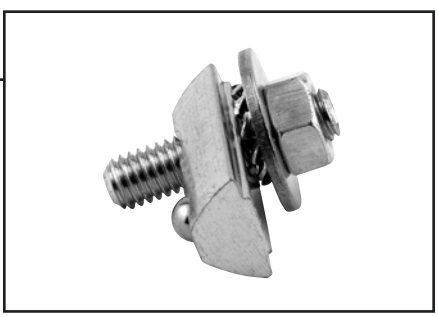


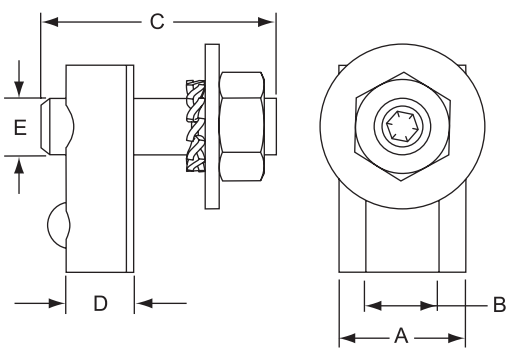
Part No.	A	B	C	D	E	Lbs.	Compatibility Code*
12328	.315	.394	.528	.126	M6	.012	8-15, 8-40

Grounding Terminal

Zinc-Plated Steel/Brass

- **For use in applications such as electronics assembly, where electrostatic charges must be avoided**
- **Creates a conductive connection to T-slotted profiles**





Part No.	A	B	C	D	E	Lbs.	Compatibility Code*
12300	.531	.307	.984	.283	M6	.042	8-15, 8-40

* See Compatibility Code information on page 152.

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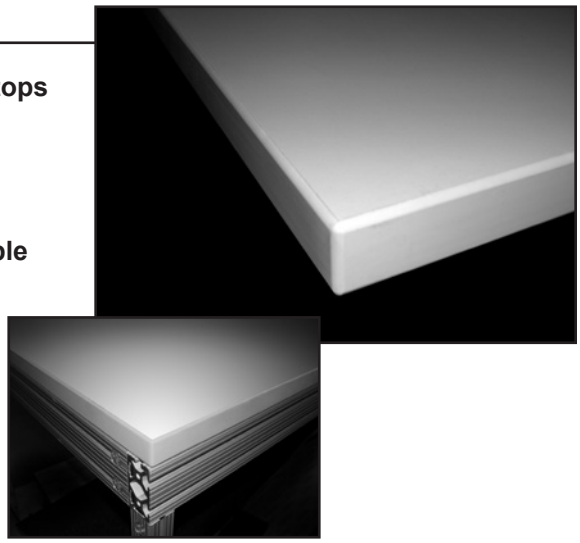
Laminated Table Tops

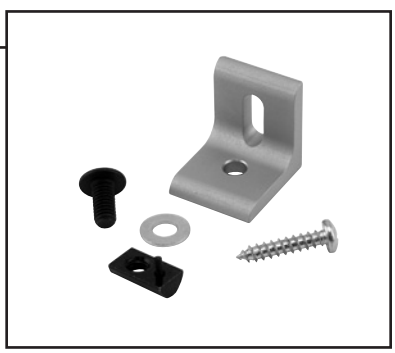
- Quality 1.25" high-pressure laminate table tops
- Perfect choice for completing your custom workstation
- Available in gray color
- 1/8” PVC bumper edge coordinates with table color



Part No.	Size	Lbs.
2800	1.25” x 30” x 48”	50.000
2802	1.25” x 30” x 60”	63.000
2804	1.25” x 30” x 72”	75.000
2806	1.25” x 36” x 72”	90.000

Table Top Fastening Kit

- Fastening kit includes:
  - 1 - 4295 - 15 Series slotted inside corner bracket
  - 1 - 3330 - 5/16-18 x 5/8 FBHSCS
  - 1 - 3282 - 15 Series 5/16-18 drop-In T-nut
  - 1 - 3760 - 5/16 bright zinc washer
  - 1 - #14 x 1 1/4" Phillips pan head sheet metal screw



Part No.	Description	Lbs.
2810	Table Top Fastening Kit	.152

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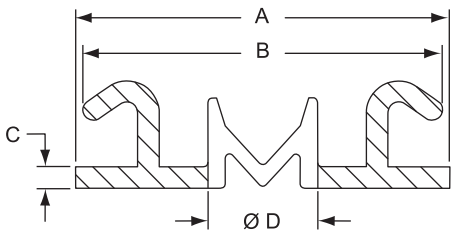
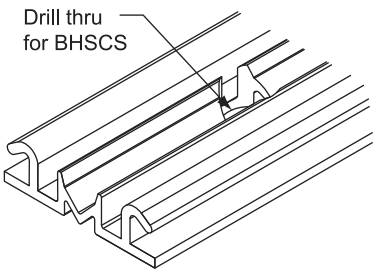
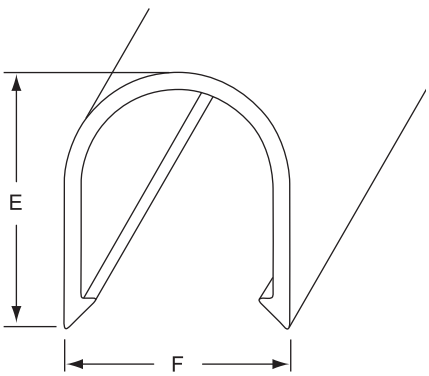
Cart Guard®

- 10 and 15 Series compatible
- Stock length 144"
- 1" x 1" flexible PVC bumper protects your stuff
- Bolt-on mounting base allows Cart Guard® to snap to your frame
- Stock colors available include black, red, blue and gray
- Refer to page 563 for cut to length services







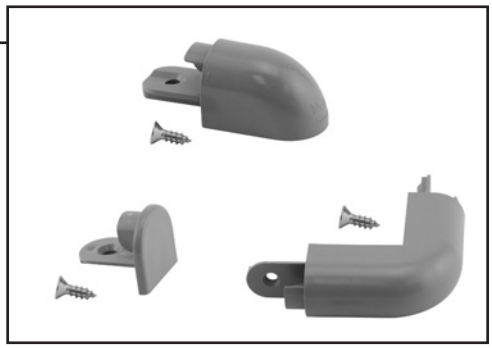
Part No.	Description	A	B	C	ØD	E	F	BSHCS
2854	Mounting Base	.875	.840	.063	.257	N/A	N/A	1/4-20
2855	Black Cover	N/A	N/A	N/A	N/A	.950	1.000	N/A
2856	Gray Cover							
2857	Red Cover							
2858	Blue Cover							

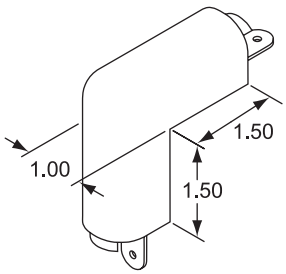
Bolt Kits	Series
3393*	10 and 15 Series

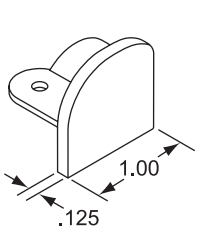
*NOTE: Mounting Base Part No. 2854 requires one (1) 3393 for every four (4) inches of Cart Guard®

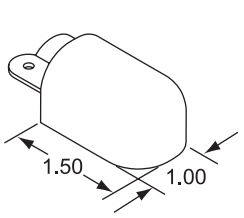
Cart Guard® Corners

- **Cap off your Cart Guard bumpers**
- **Square end, round end, 90° corner options**
- **Available in matching Cart Guard colors**
- **Mounting hardware included — Part No. 3626 (1 per mounting hole)**







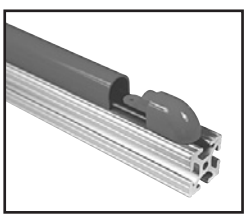


Color	Corner	Square	Round
Black	**2867**	**2863**	**2859**
Gray	**2868**	**2864**	**2860**
Red	**2869**	**2865**	**2861**
Blue	**2870**	**2866**	**2862**

Helpful Hints:

If you are applying Cart Guard to an application, choose the profiles that will be connected to the Cart Guard. Use the information below to determine the lengths of your Cart Guard and Mounting Base according to the "Corners" you are using. If you are using the…

1. Square End Cart Guard Corner, you will need to:
   - Order a piece of Cart Guard which is 1/4" less than your covered length.
   - Order a piece of Mounting Base which is 1/4" less than your profile length.
2. Round End Cart Guard Corner, you will need to:
   - Order a piece of Cart Guard which is 3" less than your covered length.
   - Order a piece of Mounting Base which is 1" less than your profile length.
3. 90 Degree Cart Guard Corner, you will need to:
   - Order a piece of Cart Guard which is 3" less than your covered length.
   - Order a piece of Mounting Base which is the same length as the profile.



Step-by-Step Installation:

❶ Bolt Mounting Base to profile with recommended fasteners.
❷ Place "corners" on the ends with supplied flathead screws.
❸ Snap on Cart Guard.

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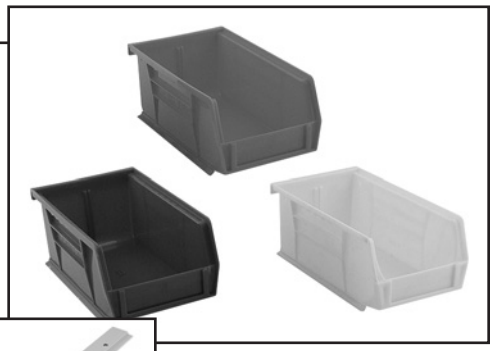
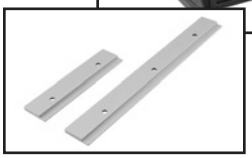
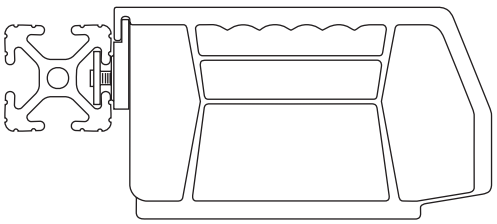
AkroBins®

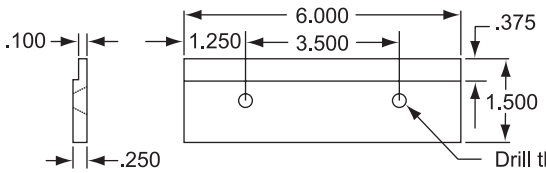
- **10 and 15 Series compatible**
- **Bins hang from aluminum container hanger that mounts to T-slot (sold separately)**
- **Polypropylene storage bins that hang or stack**
- **Develop your own customized storage system**
- **AkroBins are made in the USA**
- **Choose from six sizes**
- **Large label slot**
- **In stock for immediate shipment**
- **Available in red, blue or yellow (specify color when ordering)**

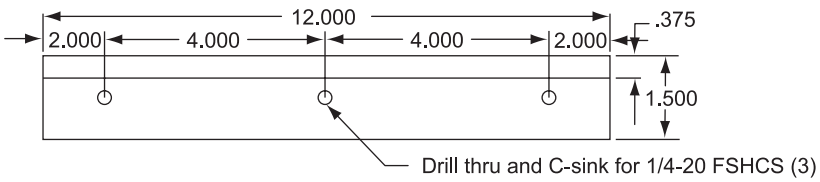




Aluminum Container Hangers







Part No.	Outside Dimensions			Inside Dimensions			Lbs.
—	L	W	H	L	W	H	—
2230	5.375	4.125	3.000	4.750	3.437	2.812	.120
2240	7.375	4.125	3.000	6.750	3.437	2.812	.250
2250	10.875	5.500	5.000	10.250	4.375	4.750	.630
2270	10.875	11.000	5.000	10.250	10.000	4.750	.965
2271	10.750	8.250	7.000	10.000	6.562	6.750	1.155
2272	14.750	8.250	7.000	14.000	6.562	6.750	2.167
2264	6" aluminum container hanger includes mounting hardware						.210
2265	12" aluminum container hanger includes mounting hardware						.415
8507	Container hanger profile anodized max. length 120" *						
8508	Container hanger profile mill finish max. length 145" *						

* For lengths other than maximum length, see page 563 in Section 12 for 7212 cut-to-length service.

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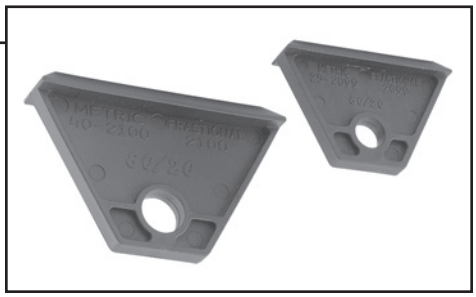
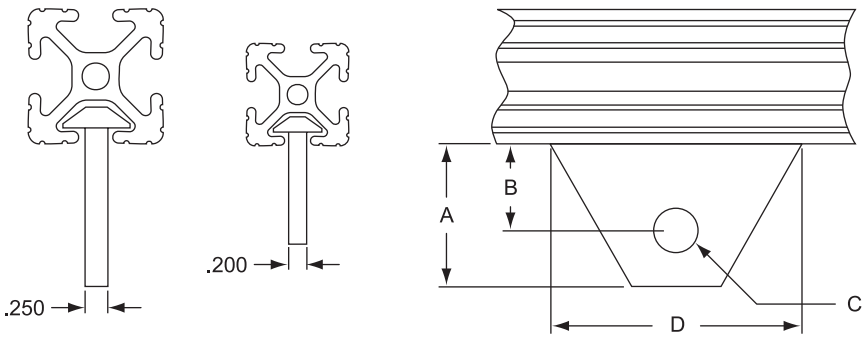
Tool Hangers



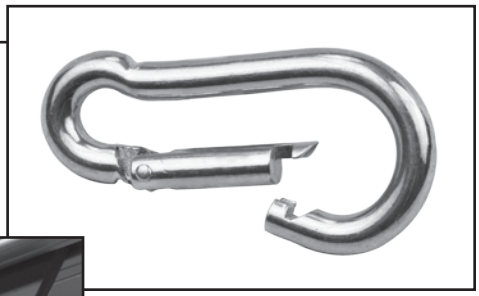
- 10 and 15 Series compatible
- Made of high-strength black nylon
- Ideal for hanging air tools, cable reels, heavy door panels or transporting cables; 100 lb. capacity
- Slides into the profile end and moves easily in the T-slot



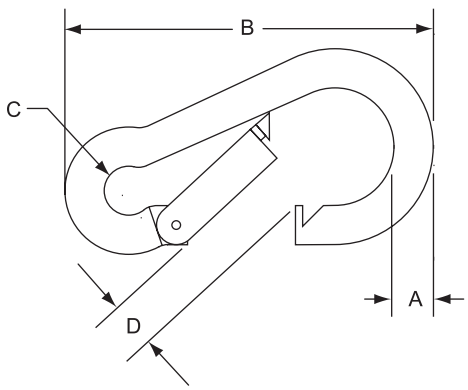
Part No.	Description	A	B	C	D	Lbs.
2099 ⊠	Tool Hanger 10 Series	1.100	.686	.328	2.00	.012
2100	Tool Hanger 15 Series	1.600	1.05	.500	3.00	.028

⊠ = 10 Series Compatible Part

Spring Snap Hook



- Works with 10 and 15 Series plastic tool hangers
- Easy to change tools or devices
- Strong — 550 lbs. breaking strength
- Made of electro-galvanized mild steel



Part No.	Description	A	B	C	D	Lbs.
2108	Spring Snap Hook	.250	2.375	.312	.312	.060

80/20® Inc.
*The **Industrial** Erector Set®*
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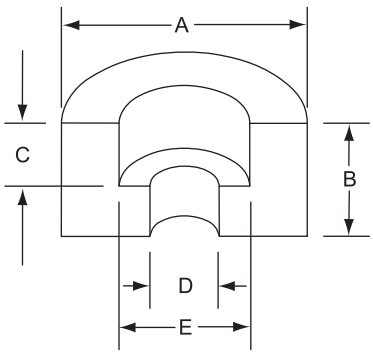
Rubber Bumper

- **10 or 15 Series compatible**
- **Bolts to T-slot with included hardware**
- **Made of styrene butadiene rubber**
- **Can be used as door stops, shock mounts, vibration dampeners**

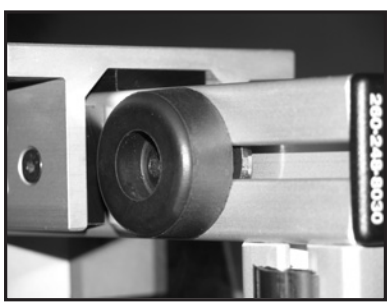


Mounting Hardware (Included):

Bumper Part No.	Qty	Hardware Description
2850	1	1/4-20 x 1/2" BHSCS & Economy T-Nut
2849	1	5/16-18 x 9/16" FBHSCS & Economy T-Nut

Part No.	Description	A	B	C	D	E	Lbs.
2850 ⊠	Styrene Butadiene Bumper	1.000	.562	.312	.281	.531	.053
2849		1.500	.625	.343	.312	.750	.089

⊠ = 10 Series Compatible Part



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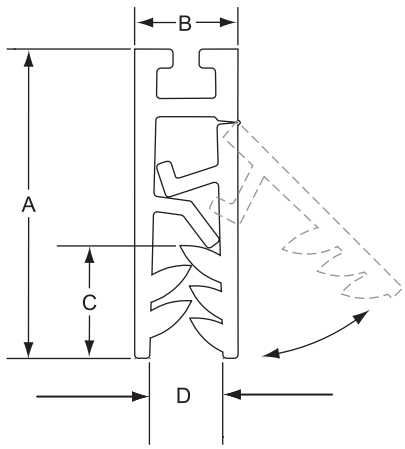
Plastic Document Holder

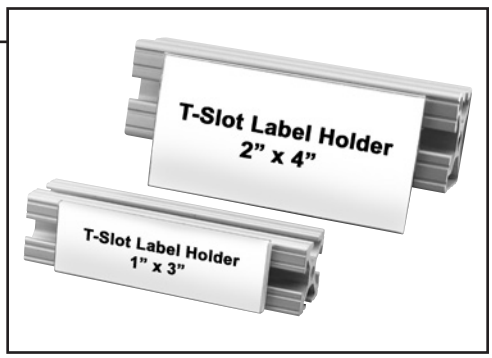
- Snaps shut to hold documents securely
- Holds paper, vinyl, and fabric up to .040" thick
- Available in black PVC
- Adhesive peel & stick strip backing
- Adheres to most materials



Part No.	Standard Length	Description	A	B	C	D	Lbs.
2851	3.000"	Adhesive Mount Document Holder	.812	.282	.343	.173	.019
2852	22.000"		.812	.282	.343	.173	.136

Label Holders

- Snaps into T-slot of 10 and 15 Series profiles
- Heavy-duty clear plastic with non-glare finish
- Sold in packs of 25



Part No.	Size - Inch	Description	Lbs.	Units	Compatibility Code*
2843	1" x 3"	T-Slot Label Holder	.026	Per Pkg. of 25	6-10, 6-25
2844	1" x 6"		.052		
2845	2" x 4"		.068		8-15, 8-30, 8-40
2846	2" x 6"		.101		

* See Compatibility Code information on page 152.

80/20® Inc.
*The **Industrial** Erector Set®*
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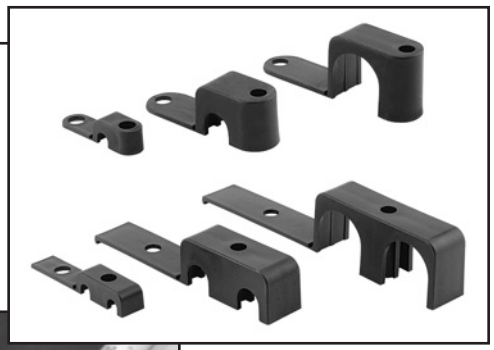
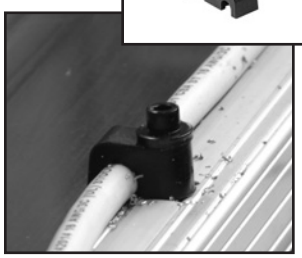
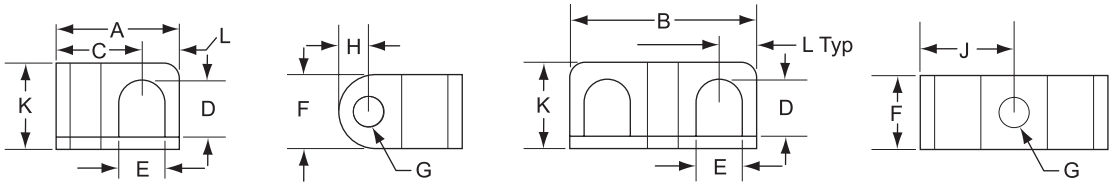
Tube and Wire Clamps

- 10 and 15 Series compatible
- Mounts 1/8" through 1" O.D. tubing and wires
- Made from tough black polypropylene
- Attaches easily to T-slots
- Organizes tubing and wires
- Resists oils, chemicals, and acids
- Stackable design
- High-strength, low cost







Part No.	Tube Size	A	B	C	D	E	F	G	H	J	K	L	Lbs.
Single Clamp													
2500	1/8"	.875	—	.610	.120	.125	.472	.250	.250	—	.492	.270	.004
2501	1/4"	.875	—	.610	.235	.250	.472	.250	.240	—	.492	.265	.004
2502	3/8"	1.062	—	.709	.360	.375	.630	.250	.270	—	.669	.337	.008
2503	1/2"	1.343	—	.866	.500	.500	.787	.250	.250	—	.953	.468	.016
2504	3/4"	1.656	—	1.024	.745	.750	.787	.250	.250	—	1.260	.621	.023
2505	1"	1.656	—	1.024	.950	1.000	.787	.250	.250	—	1.260	.646	.020
Double Clamp													
2506	1/8"	—	1.218	—	.120	.125	.472	.250	.250	.600	.492	.258	.005
2507	1/4"	—	1.218	—	.235	.250	.472	.250	.240	.600	.492	.258	.006
2508	3/8"	—	1.656	—	.360	.375	.630	.250	.270	.800	.669	.344	.011
2509	1/2"	—	2.093	—	.590	.500	.787	.250	.250	1.050	.953	.453	.025
2510	3/4"	—	2.750	—	.745	.750	.787	.250	.250	1.360	1.260	.625	.036
2511	1"	—	2.750	—	.950	1.000	.787	.250	.250	1.375	1.260	.625	.027

Fastener Size:

Description	10 Series	15 Series
1/8" Tube and Wire Clamps	1/4-20 x 3/4"	1/4-20 x 3/4"
1/4" Tube and Wire Clamps	1/4-20 x 3/4"	1/4-20 x 7/8"
3/8" Tube and Wire Clamps	1/4-20 x 7/8"	1/4-20 x 1"
1/2" Tube and Wire Clamps	1/4-20 x 1 1/4"	1/4-20 x 1 1/4"
3/4" Tube and Wire Clamps	1/4-20 x 1 1/2"	1/4-20 x 1 1/2"
1" Tube and Wire Clamps	1/4-20 x 1 1/2"	1/4-20 x 1 1/2"

Recommended Mounting Hardware*						
Part No.	2500	2501	2502	2503	2504	2505
	2506	2507	2508	2509	2510	2511
10 Series ⊠	3304	3304	3305	3307	3308	3308
15 Series	3304	3305	3306	3307	3308	3308

* Bolt assemblies are for unstacked tube clamps.
All assemblies consist of 1/4-20 SHCS and economy T-Nut.

⊠ = 10 Series Compatible Part

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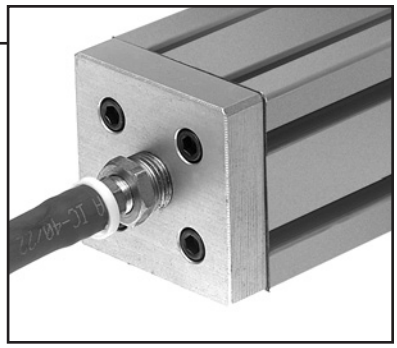
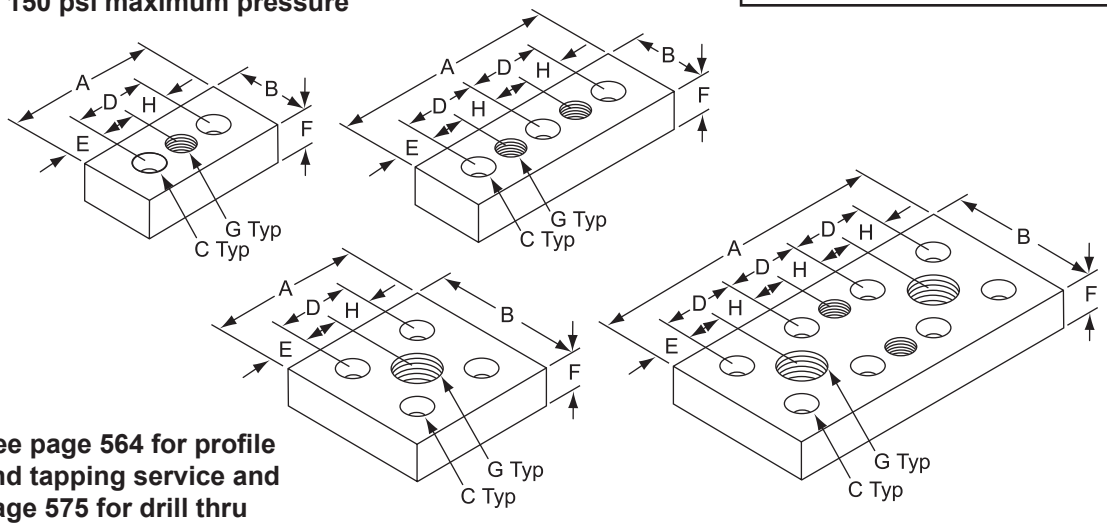
Pressure Manifold Plates



- 10 and 15 Series compatible
- Includes all mounting hardware and gaskets
- Made of 6105-T5 clear anodized aluminum
- Make your own custom manifolds - See pages 203-220 for Structural Shapes
- Pressurize your frame with most fluids and gases
- 150 psi maximum pressure



See page 564 for profile end tapping service and page 575 for drill thru

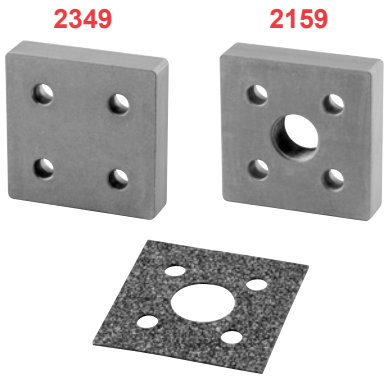
Part No.	A	B	C	D	E	F	G	H
10 Series								
2151	2.000	1.000	Drill thru and C-bore for 1/4-20 SHCS	1.000	.500	.500	1/4" NPT	.500
2159	2.000	2.000		1.000	.500	.500	3/8" NPT	.500
2341	2.000	1.000		1.000	.500	.500	—	—
2349	2.000	2.000		1.000	.500	.500	—	—
2439	2.000	1.000		1.000	.500	.500	1/8" NPT	.500
2446	3.000	1.000		1.000	.500	.500	—	—
2447	3.000	1.000		1.000	.500	.500	1/4" NPT	.500
2448	4.000	2.000		1.000	.500	.500	—	—
2449	4.000	2.000		1.000	.500	.500	1/4" & 3/8" NPT	.500
2451	2.000	1.000		1.000	.500	.500	—	—
15 Series								
2150	3.000	1.500	Drill thru and C-bore for 5/16-18 SHCS	1.500	.750	.750	3/8" NPT	.750
2160	3.000	3.000		1.500	.750	.750	1/2" NPT	.750
2161	4.500	1.500		1.500	.750	.750	—	—
2162	4.500	1.500		1.500	.750	.750	3/8" NPT	.750
2163	6.000	3.000		1.500	.750	.750	—	—
2164	6.000	3.000		1.500	.750	.750	3/8" & 1/2" NPT	.750
2340	3.000	1.500		1.500	.750	.750	—	—
2350	3.000	3.000		1.500	.750	.750	—	—
2440	3.000	1.500		1.500	.750	.750	1/4" NPT	.750
2441	3.000	1.500		1.500	.750	.750	3/8" NPT	.750
2450	3.000	1.500		1.500	.750	.750	—	—

Pressure Manifold Plates continued

10 Series

2341 2439 2151 2451

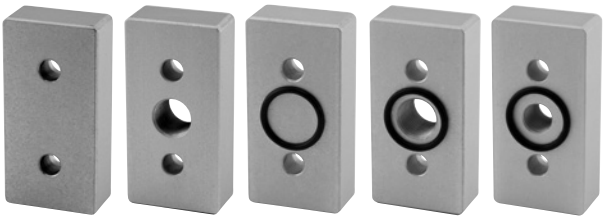
2152



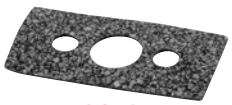
2349 2159

2154

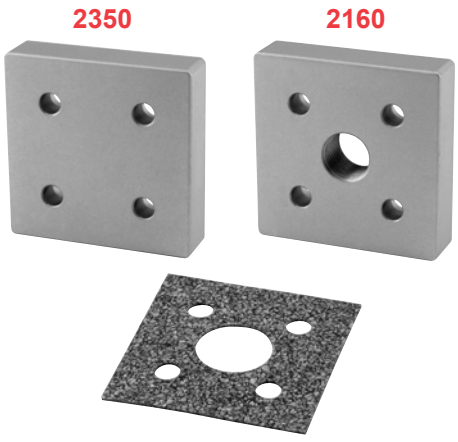
15 Series



2340 2150 2450 2441 2440

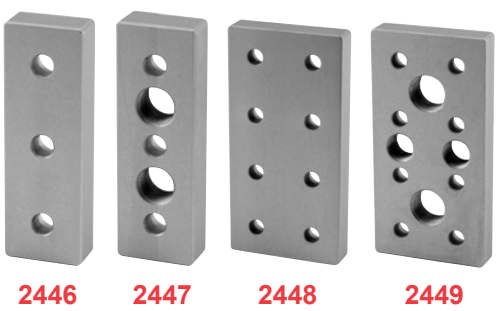


2153

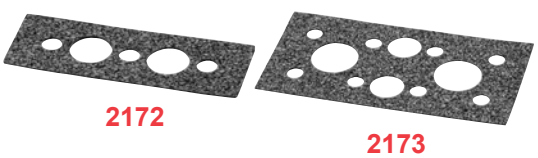


2350 2160

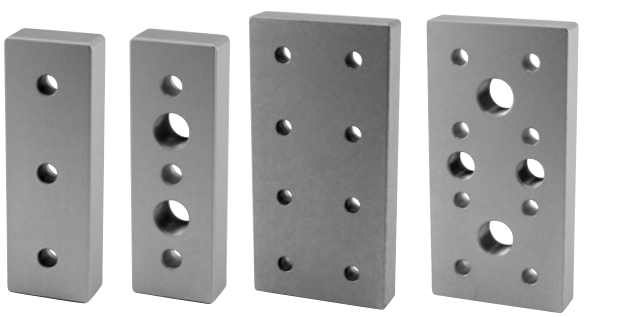
2155



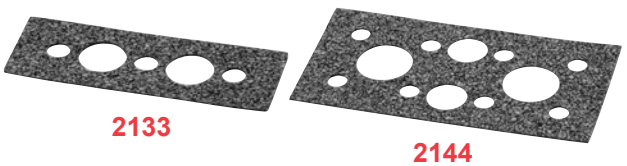
2446 2447 2448 2449



2172 2173

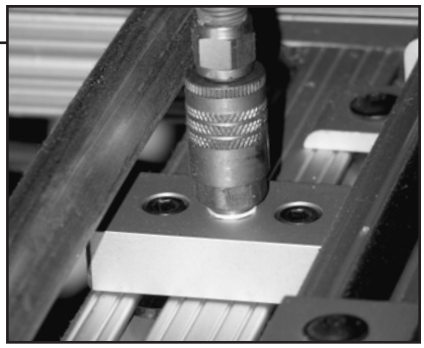


2161 2162 2163 2164



2133 2144

Pressure Manifold Plates continued



- Plates are supplied with either o-rings bonded in place or gaskets shipped loose
- O-ringed plates are mounted to the profile's T-slotted side to completely seal a hole, or seal a hole where air is to be released
- Gasketed plates are mounted to the profile's end to completely seal the end, or seal the end where air is to be released
- CR-20 is a cork and synthetic rubber material manufactured by Global Technology Systems
- See page 564 for profile end tapping service and page 575 for drill thru

Replacement Gaskets and O-Rings

Gasket			O-Ring	
Size	Part No.	Material	Part No.	Material
1" x 2"	2152 ⊠	CR-20	2157	Buna-N
1" x 3"	2172 ⊠	CR-20	—	—
2" x 2"	2154 ⊠	CR-20	—	—
2" x 4"	2173 ⊠	CR-20	—	—
1.5" x 3"	2153	CR-20	2156	Buna-N
3" x 3"	2155	CR-20	—	—
1.5" x 4.5"	2133	CR-20	—	—
3" x 6"	2144	CR-20	—	—

Profile ends must be tapped a minimum .75" deep for 10 Series or 1" deep for 15 Series. See page 463 for tapping services.

Part No.	Description	Size in Inches	NPT	Mounting Location	Lbs.
2341 ⊠	Blank P. M. Plate	1 x 2	—	Profile End	.090
2439 ⊠	Tapped P. M. Plate	1 x 2	1/8"	Profile Side	.080
2151 ⊠	Tapped P. M. Plate	1 x 2	1/4"	Profile End	.075
2451 ⊠	Blank P. M. Plate	1 x 2	—	Profile Side	.090
2446 ⊠	Blank P. M. Plate	1 x 3	—	Profile End	.135
2447 ⊠	Tapped P. M. Plate	1 x 3	1/4"	Profile End	.112
2349 ⊠	Blank P. M. Plate	2 x 2	—	Profile End	.175
2159 ⊠	Tapped P. M. Plate	2 x 2	3/8"	Profile End	.160
2448 ⊠	Blank P. M. Plate	2 x 4	—	Profile End	.350
2449 ⊠	Tapped P. M. Plate	2 x 4	1/4"(2) 3/8"(2)	Profile End	.320
2161	Blank P. M. Plate	1.5 x 4.5	—	Profile End	.540
2162	Tapped P. M. Plate	1.5 x 4.5	3/8"	Profile End	.495
2340	Blank P. M. Plate	1.5 x 3	—	Profile End	.360
2450	Blank P. M. Plate	1.5 x 3	—	Profile Side	.385
2150	Tapped P. M. Plate	1.5 x 3	3/8"	Profile End	. 330
2441	Tapped P. M. Plate	1.5 x 3	3/8"	Profile Side	.370
2440	Tapped P. M. Plate	1.5 x 3	1/4"	Profile Side	.370
2350	Blank P. M. Plate	3 x 3	—	Profile End	.725
2160	Tapped P. M. Plate	3 x 3	1/2"	Profile End	.685
2163	Blank P. M. Plate	3 x 6	—	Profile End	1.450
2164	Tapped P. M. Plate	3 x 6	1/2"(2) 3/8"(2)	Profile End	1.370

⊠ = 10 Series Compatible Part

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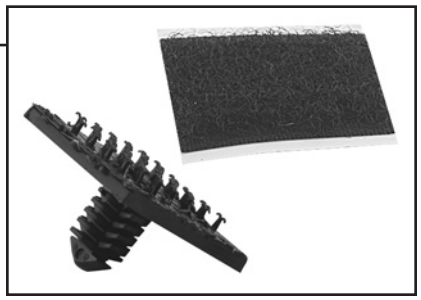
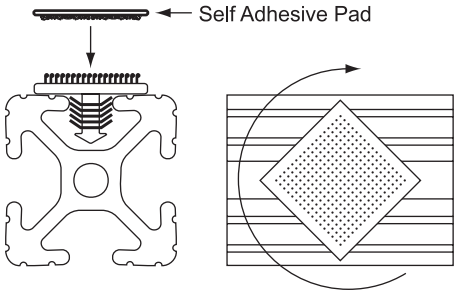
T-Slot Velcro® Fastener

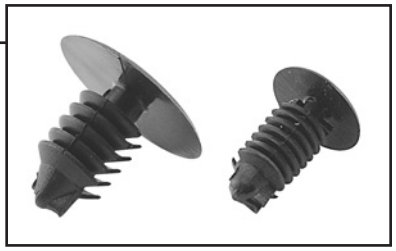


- **15 Series compatible**
- **Mounts lightweight panels and parts quickly and easily**
- **The finned projection twists easily into the T-slot**
- **Includes a self-adhesive mating pad**

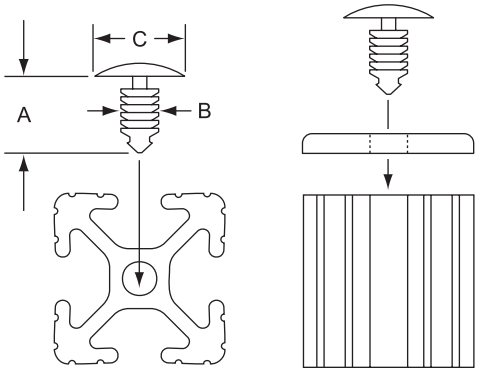


Part No.	Color	Series	Lbs.
3273	Black	15 Series	.005

Push-In Fastener



- **Pushes into the center holes of 10 and 15 Series profiles**
- **Ideal for fastening end caps or as a document holder**
- **Available in red, blue, black, yellow or gray (please specify color)**



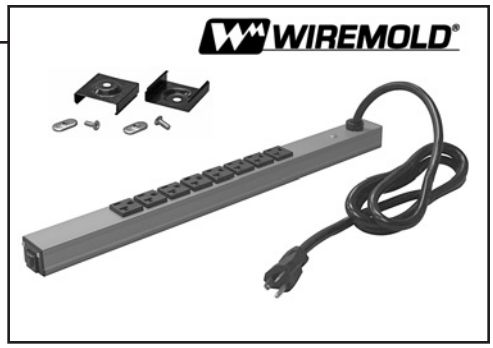
Part No.	Series	A	B	C	Lbs.
3272 ⊠	10 Series	.500	.230	.400	.0005
3274	15 Series	.625	.300	.695	.0020

⊠ = 10 Series compatible part

We specialize in FAST™ *same day shipments!*

Power Strips

- **Mounting clips and hardware are included**
- **All units are UL and ULC recognized components except as noted**
- **No machining necessary - mounting clips attach to T-slots**



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Part No.	Description	Power Requirements	Cord Length	Surge Protection
2676	20" Long, 8 Outlet, Wiremold® Power Strip	15 amp	6 ft.	No
2670	13" Long, 4 Outlet, Wiremold® Power Strip	20 amp	6 ft.	No
2674	20" Long, 8 Outlet, Wiremold® Power Strip	20 amp	6 ft.	Yes
2675	20" Long, 8 Outlet, Wiremold® Power Strip	20 amp	15 ft.	Yes

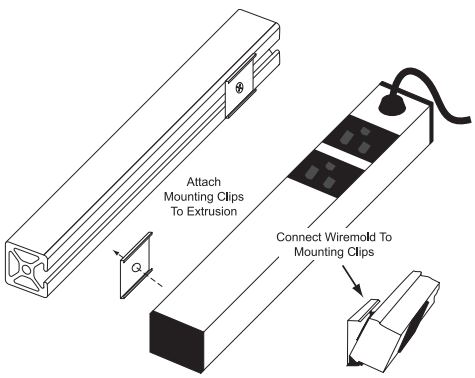
Spring Clip Mounting:

1) Pre-load the hardware onto the mounting clips.

2) Slide the mounting clips into the T-slot.

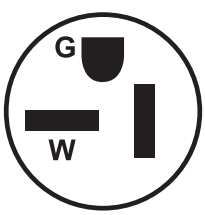
3) Place the mounting clips 1" (25mm) in from each end of the power strip and tighten the mounting clips into place.

4) Place power strip in one side of the mounting clips and snap into position.



Power Strip Plug Options

15 Amp Straight Blade



20 Amp Straight Blade

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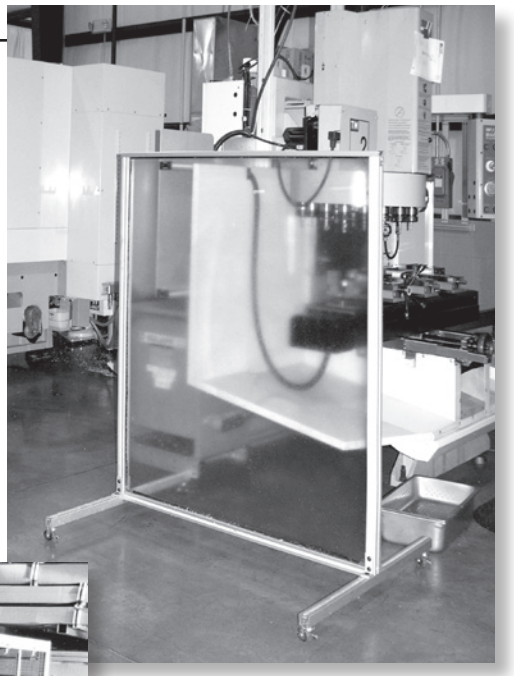
Freestanding Guarding by 80/20®

- **Modular - easy to add onto – or make smaller based on the immediate need**
- **Freestanding for easy movement**
- **Highly protective of employees and their work environment**
- **A wide variety of panel choices to choose from so you can still see your work, but protect everything and anything that needs to be protected**



Section #8 Pictorial Table Of Contents

How To Order

Page 458

Threaded Stem Swivel Casters

Page 459

Furniture Style Casters

Page 460

Flange Mount Casters

Page 461

Triangular Top Plate Casters

Page 462

Deluxe Flange Mount Casters

Page 463

Flange Mount Caster Base Plates

Page 464

Heavy-Duty Flange Mount Casters

Page 465

HD Flange Mount Caster Base Plates

Page 466

Leveling Casters

Page 467

Leveling Caster Base Plates

Page 468

Position Floor Locks

Page 469

Position Floor Locks

Pages 470-471

Position Floor Lock Base Plates

Page 472

Furniture Style Glides

Page 473

Econ Furniture Style Glides

Page 474

Large Base Glides

Page 475

Mighty Mount™

Page 476

Economy Anti-Vibration Mounts

Page 477

Deluxe Leveling Feet

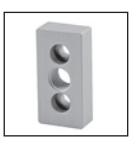
Page 478

Econ Leveling Feet

Page 479

10 Series Base Plates

Pages 480-481

15 Series Base Plates

Pages 482-483

10 Series Leveling Base Plates

Pages 484-485

15 Series Leveling Base Plates

Pages 486-487

Base for Swivel Feet

Page 488

Base for Swivel Feet

Page 488

Threaded Stems for Swivel Feet

Page 489

Extended Base for Swivel Feet

Page 490

Trapezoid Base for Swivel Feet

Page 490

Trapezoid Base Anchor

Page 491

Wedge Floor Anchors

Page 492

Floor Brackets

Page 493

Adjustable Floor Brackets

Page 494

Floor Mount Base Plates

Page 495

Econ Floor Mount Base Plates

Page 496

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How to Order 80/20® Floor To Frame

When selecting your method of floor to frame, follow these simple steps to make sure you have all the needed parts: decide what load capacity is required and select the appropriate part number. Check for SERIES compatibility and select compatible base plate and mounting hardware. After completing the selection process, make sure to order a profile end tap if you are mounting to a profile end. The machining service charge to tap the profile end should be included in the machining service section of your completed order.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/ UOM	Ext. Price
1	1010	2	18.50"	7042 in A both ends	$.23	$8.51
	1515-Lite-145	5	145.00"	Full length profile	$65.25	$326.25
	3060	4	40.00"	7029 one end	$2.95	$472.00
	3030	4	36.00"	7050 style G in W, X both ends	$1.50	$216.00
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	2611	1	5.25 sf.	1/4" bronze polycarb 1 @ 18" x 40" w/ 7311 per drawing	$10.40	$54.60
4	7150	1		Cut plastic panels all sides < -48"	$10.50	$10.50
	7042	4		10 Series anchor fastener counterbore	$2.25	$9.00
	7005	2		Cut-to-length for 1010	$1.95	$3.90
	7023	4		Cut-to-length for 3060	$2.90	$11.60
	7030	4		Cut-to-length for 3030	$2.60	$10.40
	7050	64		15 Series drill access hole	$1.95	$124.80
	7029	4		5/16-18 tap service for 3060	$15.20	$60.80
	7311	2		Anchor fastener notch for 10 Series	$0.53	$1.06
5	3380	32		15 Series 5/16-18 black zinc end fastener w/ screw	$1.60	$51.20
	2114	16		Gray T-Slot covers for 10 Series	$3.45	$55.20
	2050	8		End caps for 3030	$1.85	$14.80
	3395	4		10 Series anchor fasteners	$2.90	$11.60
	3279	5		15 Series 5/16-18 black zinc double economy T-nut	$0.79	$3.95
	4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	3393	24		10 Series 1/4-20 BHSCS & economy T-nut	$0.40	$9.60
				TOTAL	$309.81	$1549.17

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

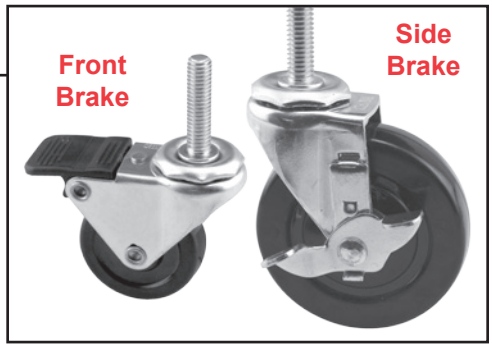
1 - Profiles = Pages 147-202 • 2 - Custom Parts = Pages 203-220 • 3 - Panels = Pages 349-432
4 - Machining Services = Pages 559-608 • 5 - Accessories & Tools = Pages 433-456 & 549-558

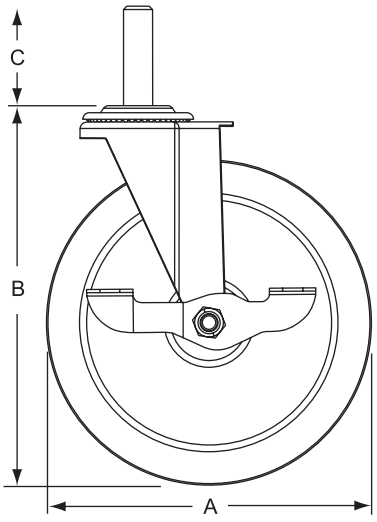
We specialize in FAST™ *same day shipments!*

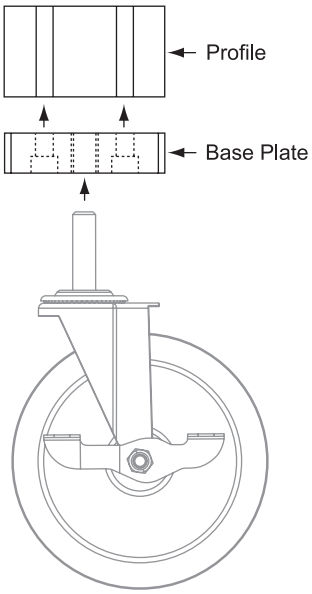
Threaded Stem Swivel Casters

Zinc-Plated Steel Bracket w/Black Nylon Wheel

- **10 and 15 Series compatible**
- **Mounts directly to profile ends (with end tap) or to mounted base plates**
- **Maximum load capacity 140 lbs.**
- **Brake kits are included with select casters**
- **Oil resistant**
- **Refer to pages 480-483 for base plate options and page 564 for profile end tap services**







Part No.	Thread	A	B	C	Brake	Swivel Radius	Max Load Lbs.	Lbs.
2298*	3/8-16	1.625	2.313	1.500	No Brake	1.625	70.00	0.29
2299*	3/8-16	2.000	2.531		Front Mount	1.812	70.00	0.35
2300*	3/8-16	3.000	3.531		Side Mount	2.375	100.00	0.55
2310*	7/16-14	4.000	4.531			3.250	125.00	1.21
2305**	7/16-14	4.000	4.531			3.250	140.00	1.25
2306*	7/16-14	5.000	5.531			3.875	125.00	1.28
2307**	7/16-14	5.000	5.531			3.875	145.00	1.80

* Wheel Material: Soft Rubber ** Wheel Material: Hard Rubber

Legend for Icons

This part is 10 Series compatible

This part can use double economy T-nuts
(see bolt kit table P on page 268)

This part can use triple economy T-nuts
(see bolt kit table Q on page 268)

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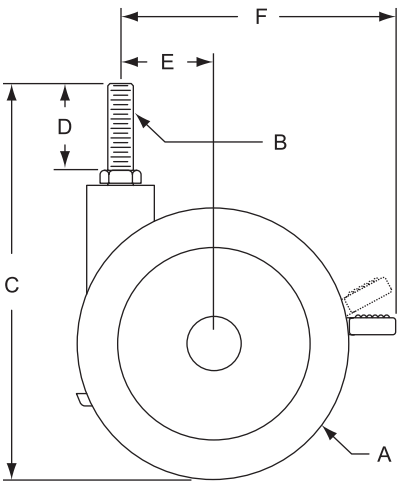
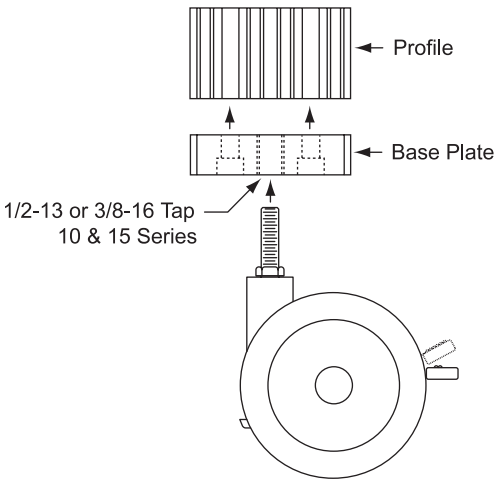
Furniture Style Casters

- **10 and 15 Series compatible**
- **Available with or without brakes**
- **Maximum load capacity ratings range from 165-180 lbs.**
- **Refer to pages 480-483 for base plate options**
- **See page 564 for tapping services**





Part No.	Diameter	A	B	C	D	E	F	Capacity	Load Height	Wheel Color	Brake	Lbs.
2291	3.000	2.850	3/8-16	4.250	1.000"	.944	–	165 Lbs.	3.250	Black	No	.570
2292	3.000	2.850	3/8-16	4.250	1.000"	.944	3.660	165 Lbs.	3.250	Black	Yes	.570
2293	4.000	3.930	3/8-16	5.375	1.000"	1.370	–	175 Lbs.	4.375	Black	No	.827
2294	4.000	3.930	3/8-16	5.375	1.000"	1.370	4.880	175 Lbs.	4.375	Black	Yes	.827
2295	5.000	4.920	1/2-13	6.437	1.000"	1.370	–	180 Lbs.	5.437	Black	No	1.312
2296	5.000	4.920	1/2-13	6.437	1.000"	1.370	5.750	180 Lbs.	5.437	Black	Yes	1.312

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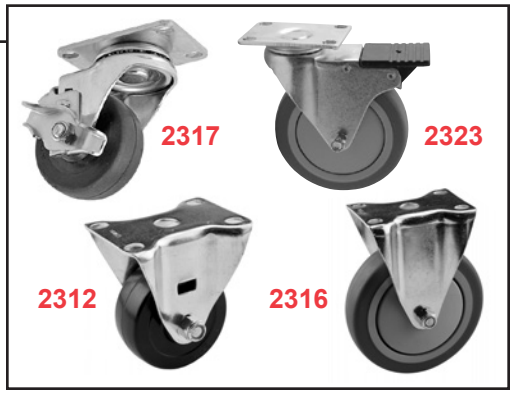
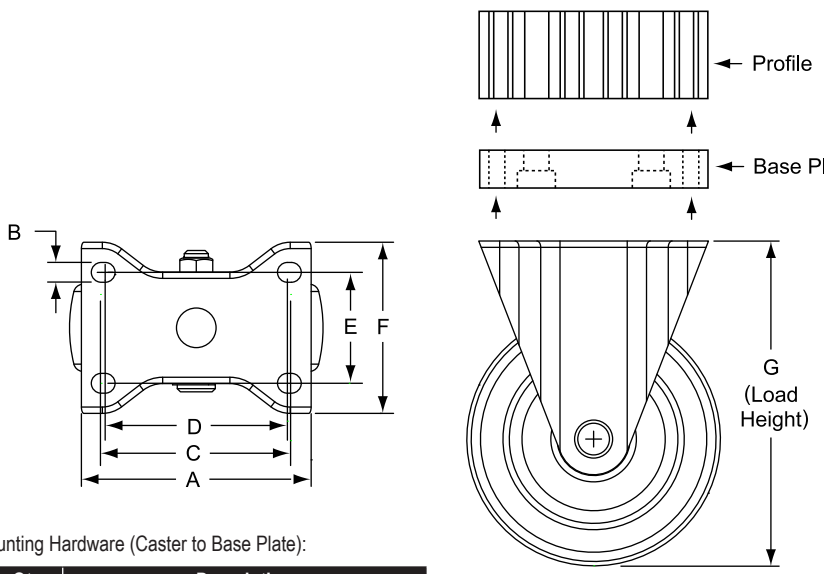
Flange Mount Casters

- **10 and 15 Series compatible**
- **Choose from rigid or swivel casters, with brake kits on all swivel casters**
- **Side brake locks wheel only**
- **Front brake locks wheel and swivel motion**
- **Maximum load capacity ratings range from 250-300 lbs.**
- **Refer to page 464 for base plate options**





Recommended Mounting Hardware (Caster to Base Plate):

Part Number	Qty	Description
3110	4	$^{5}/_{16}$-18 x $^{5}/_{8}$" SHCS

Swivel Caster Part No.	Diameter	A	B	C	D	E	F	G	Oil Resistance	Capacity	Wheel Color	Brake	Swivel Radius	Lbs.
2317*	3.000	3.625	.328	3.000	2.875	1.750	2.375	4.125	Average	275 Lbs.	Black	Side	3.000	1.500
2318**	3.000	3.625	.328	3.000	2.875	1.750	2.375	4.125	Average	275 Lbs.	Black	Side	3.000	1.500
2321***	4.000	3.625	.328	3.000	2.875	1.750	2.375	5.125	Good	250 Lbs.	Gray	Front	4.625	2.500
2323***	5.000	3.625	.328	3.000	2.875	1.750	2.375	6.250	Good	300 Lbs.	Gray	Front	4.625	3.000

Rigid Caster Part No.	Diameter	A	B	C	D	E	F	G	Oil Resistance	Capacity	Wheel Color	Brake	Lbs.
2311*	3.000	3.625	.328	3.000	2.875	1.750	2.375	4.125	Average	275 Lbs.	Black	No	1.500
2312**	3.000	3.625	.328	3.000	2.875	1.750	2.375	4.125	Average	275 Lbs.	Black	No	1.500
2314***	4.000	3.625	.328	3.000	2.875	1.750	2.375	5.125	Good	250 Lbs.	Gray	No	2.000
2316***	5.000	3.625	.328	3.000	2.875	1.750	2.375	6.250	Good	300 Lbs.	Gray	No	2.500

* Wheel Material: Soft Rubber
** Wheel Material: Hard Rubber
*** Wheel Material: Thermoplastic Elastomer on Plastic Core

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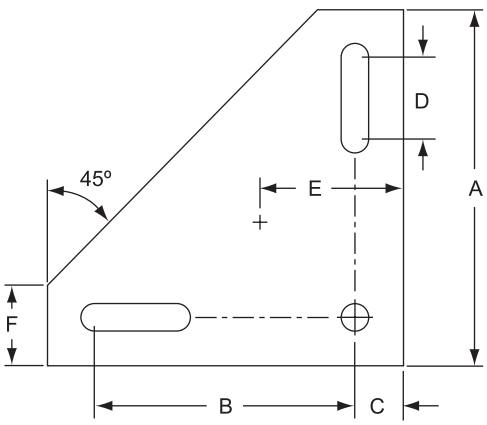
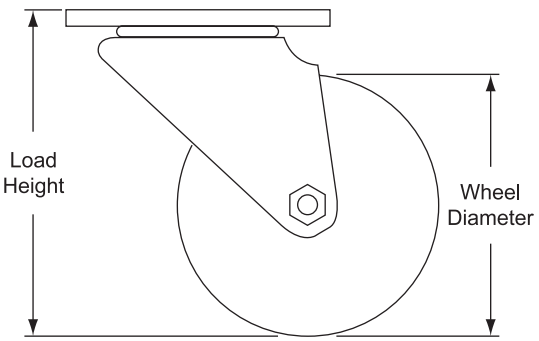
Triangular Top Plate Casters

- **15 Series compatible**
- **Mounts directly onto T-slotted profiles without base plates**
- **Wheel and swivel rotation stop when locking tab is depressed**
- **Maximum load capacities of 250 and 300 lbs.**





Recommended Mounting Hardware (Caster to T-Slot):

Part Number	Qty	Description
3462	3	5/16-18 x 5/8" SHCS, Washer & Econ T-Nut

8

Part No.	Diameter	A	B	C	D	E	F	Load Height	Capacity	Swivel Radius	Wheel Color	Lbs.
2337	4.000	5.500	4.000	.750	1.250	2.125	1.125	5.125	250 Lbs.	4.625	Gray	2.866
2338	5.000	5.500	4.000	.750	1.250	2.125	1.125	6.250	300 Lbs.	4.625	Gray	3.347

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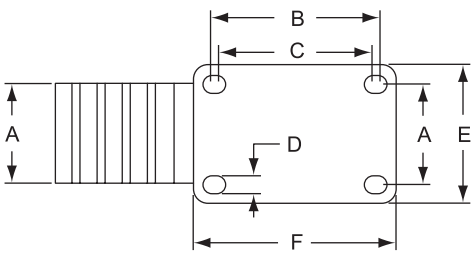
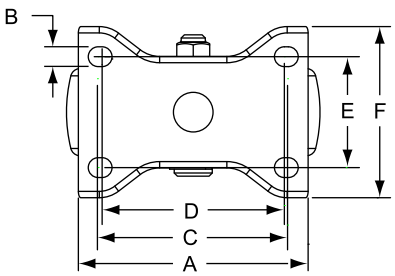
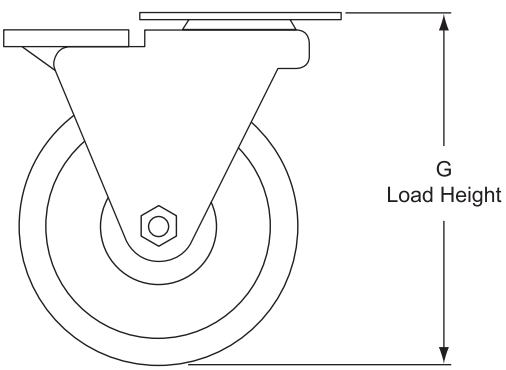
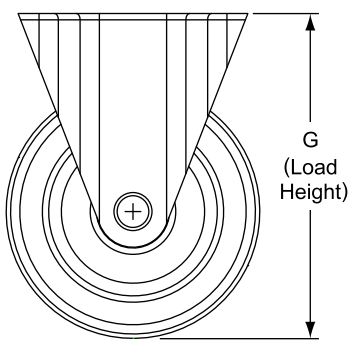
Deluxe Flange Mount Casters

- 10 and 15 Series compatible
- All casters have polyurethane wheels and hardened raceways for smooth motion
- Press brake to lock swivel and wheel, press again to unlock
- 250 - 300 lbs. load capacity range
- Use caster mount base plates on page 464 for mounting to T-slot profiles









Recommended Mounting Hardware (Caster to Base Plate):

Part Number	Qty	Description
3110	4	$^{5}/_{16}$-18 x $^{5}/_{8}$" SHCS

Swivel Caster Part No.	Diameter	A	B	C	D	E	F	G	Swivel Radius	Oil Resistance	Capacity	Wheel Color	Brake	Lbs.
2333*	4.000	1.750	3.000	2.875	.328	2.375	3.625	5.125	4.625	Very Good	250 Lbs.	Blk / Gray	Yes*	2.500
2334*	5.000	1.750	3.000	2.875	.328	2.375	3.625	6.250	4.625	Very Good	300 Lbs.	Blk / Gray	Yes*	3.250

Rigid Caster Part No.	Diameter	A	B	C	D	E	F	G	Swivel Radius	Oil Resistance	Capacity	Wheel Color	Brake	Lbs.
2335*	4.000	1.750	3.000	2.875	.328	2.375	3.625	5.125	—	Very Good	300 Lbs.	Blk / Gray	No	2.125
2336*	5.000	1.750	3.000	2.875	.328	2.375	3.625	6.250	—	Very Good	300 Lbs.	Blk / Gray	No	2.625

* Wheel Material: Polyurethane Tread Plastic Core

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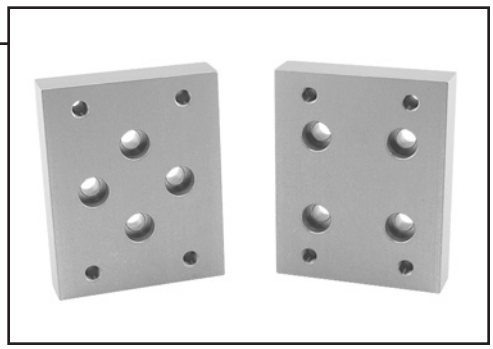
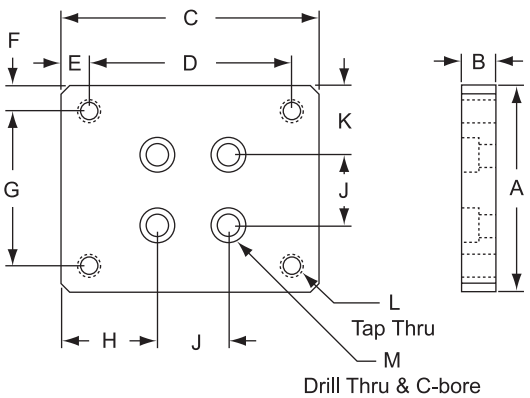
Flange Mount Caster Base Plates

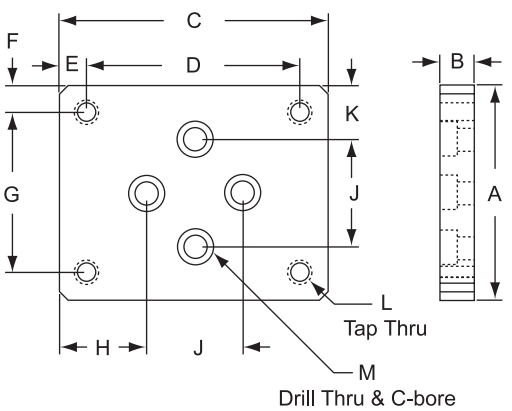
- **10 and 15 Series compatible**
- **Bolts to profile end or T-slot**
- **Made of 6105-T5 clear anodized aluminum**
- **Mounts casters on pages 461 and 463**



Part No: ⊠ 2418 and 2420



Part No: ⊠ 2419 and 2426



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	Lbs.
2418 ⊠	2.500	.500	3.750	2.940	.405	.375	1.750	1.375	1.000	.750	5/16-18	1/4-20 SHCS	.430
2419 ⊠	2.500	.500	3.750	2.940	.405	.375	1.750	1.375	1.000	.750	5/16-18	1/4-20 SHCS	.430
2426	3.000	.750	3.750	2.940	.405	.625	1.750	1.125	1.500	.750	5/16-18	5/16-18 SHCS	.755
2420	3.000	.750	3.750	2.940	.405	.625	1.750	1.125	1.500	.750	5/16-18	5/16-18 SHCS	.755

⊠ = 10 Series Compatible Part

Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Qty	Description
3491 ⊠	4	1/4-20 x 1/2" SHCS & Economy T-Nut
3458	4	5/16-18 x 7/8" SHCS & Economy T-Nut

Recommended Mounting Hardware (Mount to Profile End):

Part No.	Qty	Description
3064 ⊠	4	1/4-20 x 3/4" SHCS
3123	4	5/16-18 x 1 1/4" SHCS

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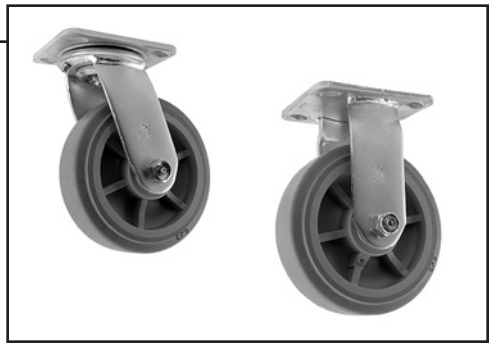
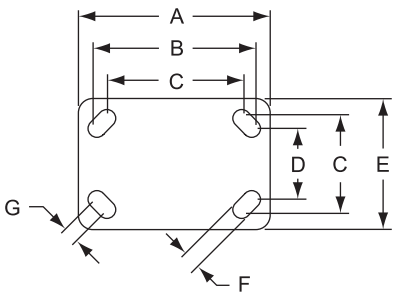
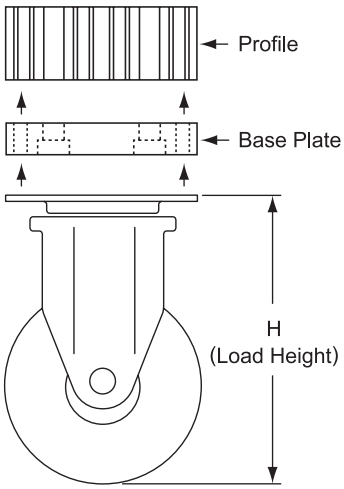
Heavy-Duty Flange Mount Caster

- **15 Series compatible**
- **Choose from swivel or rigid with load capacities ranging from 375-900 lbs.**
- **Available in 5” or 6” wheel diameters – no brakes**
- **Design allows for easy access to lubrication fittings**
- **Use caster mount base plates on page 466 for mounting to T-slots**







Recommended Mounting Hardware (Caster to Base Plate):

Part Number	Qty	Description
3125	4	3/8-16 x 3/4” SHCS

Swivel Caster Part No.	Diameter	A	B	C	D	E	F	G	H	Swivel Radius	Oil Resistance	Capacity	Wheel Color	Lbs.
2700*	5.000	4.500	3.625	3.000	2.625	4.000	.420	.562	6.500	3.875	Average	375 Lbs.	Gray	4.630
2704*	6.000	4.500	3.625	3.000	2.625	4.000	.420	.562	7.500	4.562	Average	550 Lbs.	Gray	5.000
2708**	5.000	4.500	3.625	3.000	2.625	4.000	.420	.562	6.500	3.875	Good	700 Lbs.	Dark Red	5.100
2712**	6.000	4.500	3.625	3.000	2.625	4.000	.420	.562	7.500	4.562	Good	900 Lbs.	Dark Red	5.850

Rigid Caster Part No.	Diameter	A	B	C	D	E	F	G	H	Swivel Radius	Oil Resistance	Capacity	Wheel Color	Lbs.
2701*	5.000	4.437	3.625	3.000	2.625	3.812	.420	.562	6.500	—	Average	500 Lbs.	Gray	3.800
2705*	6.000	4.437	3.625	3.000	2.625	3.812	.420	.562	7.500	—	Average	500 Lbs.	Gray	4.230
2709**	5.000	4.437	3.625	3.000	2.625	3.812	.420	.562	6.500	—	Good	800 Lbs.	Dark Red	4.280
2713**	6.000	4.437	3.625	3.000	2.625	3.812	.420	.562	7.500	—	Good	900 Lbs.	Dark Red	5.040

* Wheel Material: Thermoplastic Elastomer on Plastic Core
** Wheel Material: Polyurethane Tread Plastic Core

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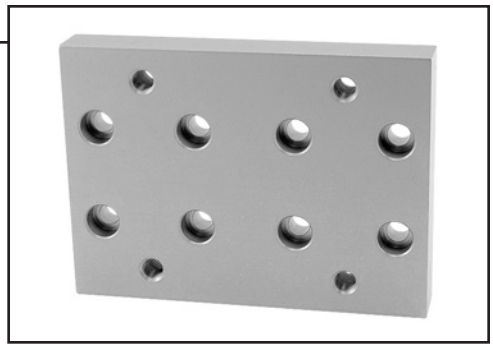
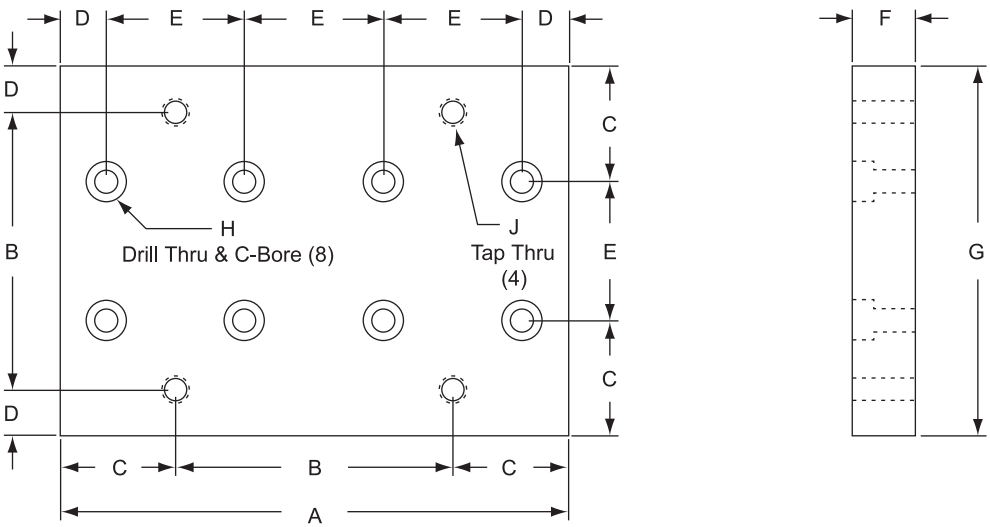
Heavy-Duty Flange Mount Caster Base Plate

- **15 Series compatible**
- **Mounts heavy-duty casters on page 465 to the profile end or T-slot**
- **Made of 6105-T5 clear anodized aluminum**
- **Also serves as a heavy-duty joining plate**





Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Qty	Description
3458	4 To 8	5/16-18 x 7/8" SHCS & Economy T-Nut

Recommended Mounting Hardware (Mount to Profile End):

Part No.	Qty	Description
3123	2 To 4	5/16-18 x 1 1/4" SHCS

Part No.	A	B	C	D	E	F	G	H	J	Lbs.
2147	5.500	3.000	1.250	.500	1.500	.750	4.000	5/16-18 SHCS	3/8-16	1.505

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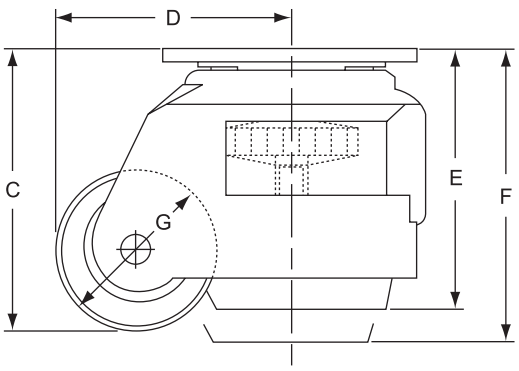
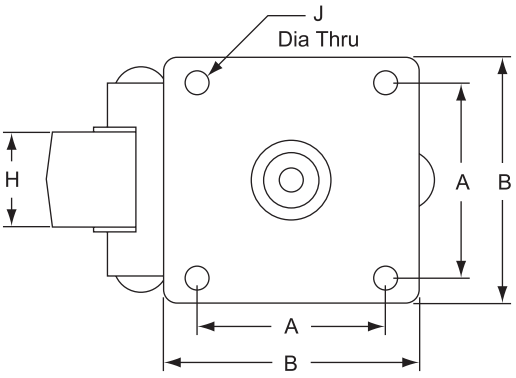
Leveling Casters

- **10 and 15 Series compatible**
- **Move and level your frame with one component**
- **Available in four sizes with load capacity ranging from 300-1300 lbs.**
- **Base plates required for mounting to T-slotted profiles – see page 468**





Recommended Mounting Hardware (Caster To Base Plate):

Caster No.	Base Plate	Bolt Kit	Quantity
2714	2406 ☒ / 2407	3064	4
2715	2408	3112	4
2716	2409	3125	4
2717			

☒ = 10 Series Compatible Part

Part No.	Capacity	A	B	C	D	E	F	G	H	J	Lbs.
2714	300 Lbs.	2.280	2.870	3.300	2.370	2.750	3.500	1.970	.860	.250	1.710
2715	600 Lbs.	2.750	3.540	4.020	3.030	3.625	4.625	2.440	1.140	.312	2.920
2716	1000 Lbs.	2.750	3.740	4.720	3.640	4.125	5.375	2.840	1.220	.375	3.990
2717	1300 Lbs.	2.750	3.740	4.720	3.640	4.250	4.875	2.840	1.220	.375	7.870

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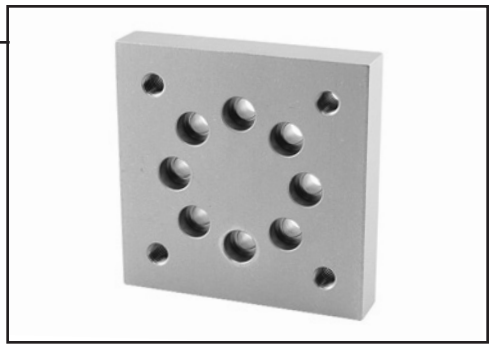
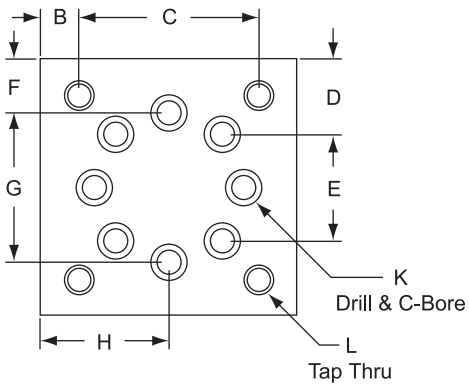
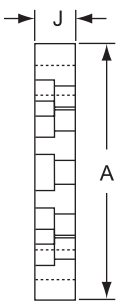
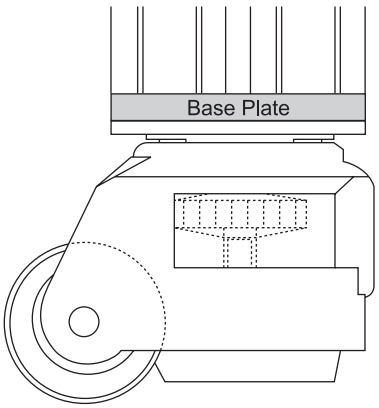
Leveling Caster Base Plates

- **10 and 15 Series compatible**
- **Mounts leveling casters shown on page 467 to the profile end or T-slot**
- **Made of 6105-T5 clear anodized aluminum**
- **Four sizes available**









Recommended Mounting Hardware (Mount to T-Slot):

Plate No.	Bolt Kit	Quantity
2406 ⊠	3491 ⊠	4
2407	3458	4
2408		
2409		

Recommended Mounting Hardware (Mount to Profile End):

Plate No.	Bolt Kit	Quantity
2406 ⊠	3064 ⊠	4
2407	3123	4
2408		
2409		

Part No.	A	B	C	D	E	F	G	H	J	K	L	Lbs.
2406 ⊠	3.000	.358	2.280	1.000	1.000	.793	1.410	1.500	.500	1/4 SHCS	1/4-20	.390
2407	3.000	.358	2.280	1.000	1.500	.439	2.120	1.500	.750	5/16 SHCS	1/4-20	.570
2408	3.500	.372	2.750	.750	1.500	.689	2.120	1.750	.750	5/16 SHCS	5/16-18	.796
2409	4.000	.622	2.750	1.250	1.500	.939	2.120	2.000	.750	5/16 SHCS	3/8-16	1.060

⊠ = 10 Series Compatible Part

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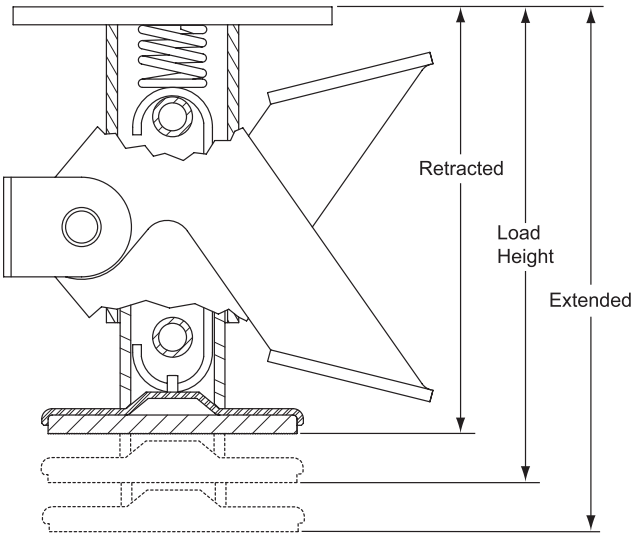
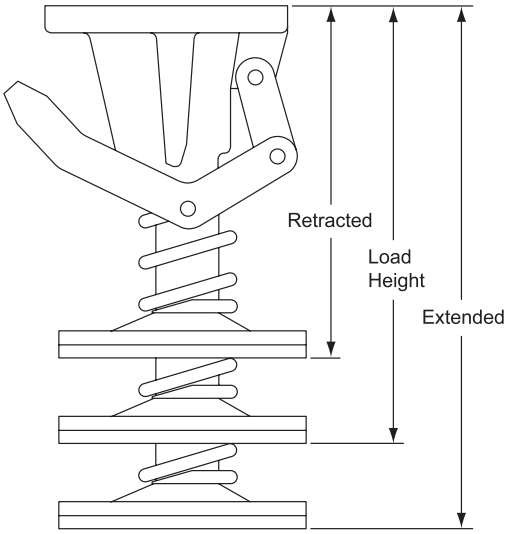
Adjustable Position Floor Locks

- **15 Series compatible**
- **Mount to profile T-slot or end by using base plates – page 472**
- **Immobilize equipment with 70-120 lbs. force per lock through spring-loaded rubber foot pad**
- **When properly applied, frame will not lift off floor**

2723, 2724 2727, 2728





Recommended Mounting Hardware (Floor Lock to Base Plate):

Part No.	Bolt Kit	Quantity	Description
2723	3289	4	3/8-16 x 1" SHCS & Washer
2724	3289	4	3/8-16 x 1" SHCS & Washer
2727	3289	4	3/8-16 x 1" SHCS & Washer
2728	3291	4	1/2-13 x 1" SHCS & Washer

Part No.	Base Plate Part No.	Retracted	Load Height	Extended	Bolt Hole Spacing	Bolt Diameter	Finish	Lbs.
2723	2148	6.000	6.625	6.875	2.630 x 3.630	3/8-16	Electro-Plated	4.750
2724	2148	6.875	7.500	7.750	2.630 x 3.630	3/8-16	Electro-Plated	5.240
2727	2148	4.625	5.500	5.875	2.630 x 3.630	3/8-16	Aluminum Lacquer	7.500
2728	2149	6.750	7.625	8.250	2.440 x 4.940	1/2-13	Aluminum Lacquer	10.700

Part numbers 2723, 2724, 2727 and 2728 will be available for a limited period of time. After that, please order part number 2731 (see page 470), which fulfills all the capabilities of these floor locks.

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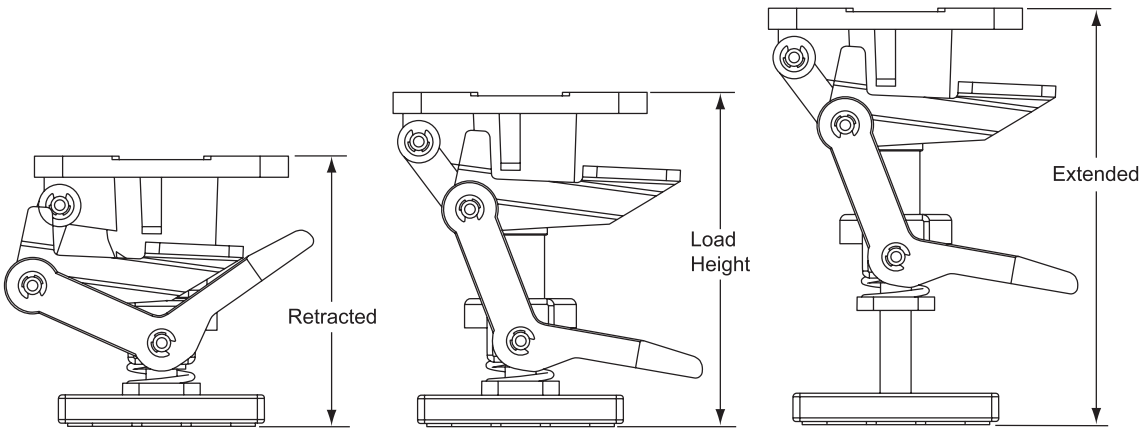
Adjustable Position Floor Lock

- **15 Series compatible**
- **Mount to profile T-slot or end by using base plate 2148**
- **Immobilize equipment with 70-120 lbs. force per lock**
- **Adjustability improves performance**



Part No.	Base Plate Part No.	Retracted	Extended Min.	Extended Max	Bolt Diameter	Lbs.
2731	2148	4.500	5.500	7.750	.500	6.831

Recommended Mounting Hardware (Floor Lock to Base Plate):

Bolt Kit	Quantity	Description
3289	4	3/8-16 x 1" SHCS & Washer

This floor lock, part number 2731, will replace part numbers 2723, 2724, 2727 and 2728. 2731 fulfills all the capabilities of these floor locks.

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Position Floor Locks continued

These position floor locks are designed to immobilize equipment at a desired location. When the position floor locks are not in use, they remain attached without interfering with mobility.

Fixture dollies, carts, or other castered applications can be locked in place by a simple foot pressure. The locking action is created when the friction surface of nearly ten square inches is pressed against the floor with 70-120 pounds of force.

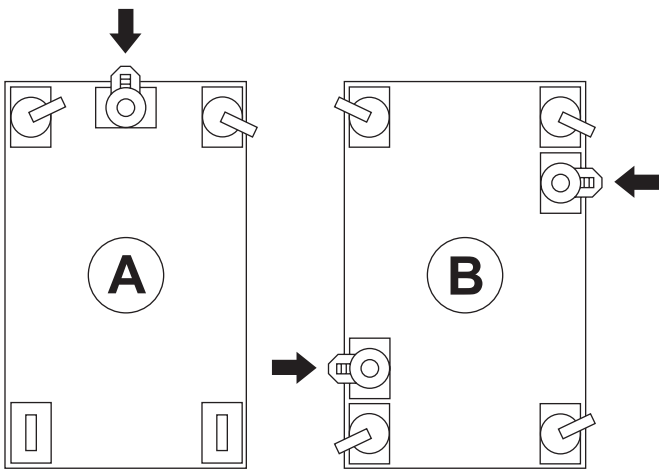
Proper Application:
When the weight of your application is 100 pounds or more per floor lock, the floor lock will remain locked in position properly.

Improper Application:
When the weight of your application is less than 100 pounds per floor lock OR if your caster load height does not equal your position floor lock load height, the floor lock may raise the casters off the floor. This is not correct. If you have questions or need design assistance call 80/20 or your local distributor for more information.

Installation Information:

Example **A**
When a piece of equipment has two swivel and two rigid casters, only one position lock is needed

Example **B**
When there are four swivel casters on a piece of equipment, use at least two position floor locks mounted diagonally to each other



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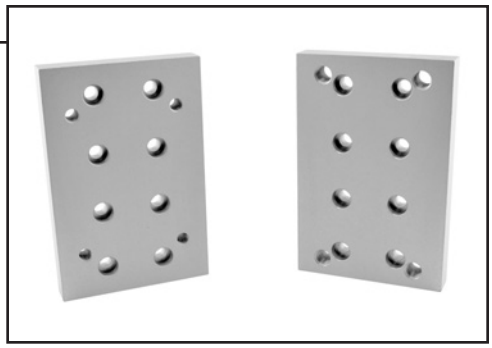
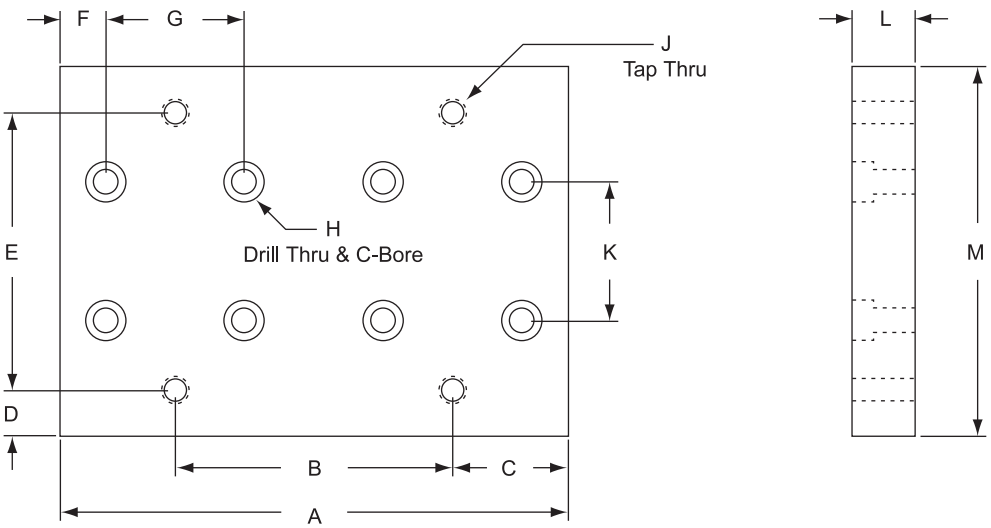
Position Floor Lock Base Plates

- **15 Series compatible**
- **Mounts both types of position floor locks to profile T-slots or ends**
- **Made of 6105-T5 clear anodized aluminum**
- **Mounts position floor locks on pages 469-470**





80/20® Design Tip

When mounting four swivel casters on a structure, use at least two position locks mounted diagonally to each other. When mounting two swivel and two rigid casters, only one position lock is needed.
(See page 471 for diagram)

Recommended Mounting Hardware (Mount to T-Slot):

Bolt Kit	Quantity	Description
3458	4 - 8	5/16-18 x 7/8" SHCS & Econ T-Nut

Recommended Mounting Hardware (Mount to Profile End):

Bolt Kit	Quantity	Description
3123	4 - 8	5/16-18 x 1 1/4" SHCS

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	Lbs.
2148	6.000	3.625	1.188	.688	2.625	.750	1.500	5/16-18	3/8-16 SHCS	1.500	.750	4.000	1.505
2149	6.000	5.000	.531	.750	2.500	.750	1.500	5/16-18	1/2-13 SHCS	1.500	.750	4.000	1.495

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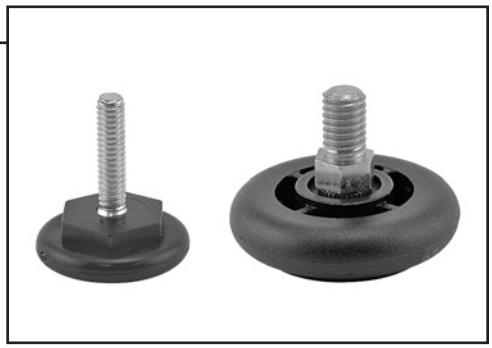
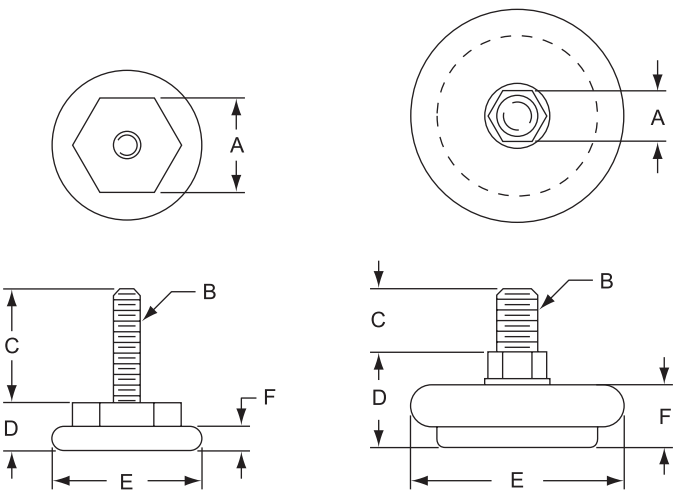
Furniture Style Glides

- **10 and 15 Series compatible**
- **Best used on soft floor surfaces**
- **Black nylon glides have 100 lbs. load capacity**
- **Non-corrosive threaded stem mounts directly to profile end**
- **See page 564 for tapping service**





2203 ⌘ **2204**

Part No.	A	B	C	D	E	F	Lbs.
2203 ⌘	.875	1/4-20	1.070	.430	1.350	.240	.030
2204	.470	3/8-16	.593	.860	1.968	.575	.090

⌘ = 10 Series Compatible Part

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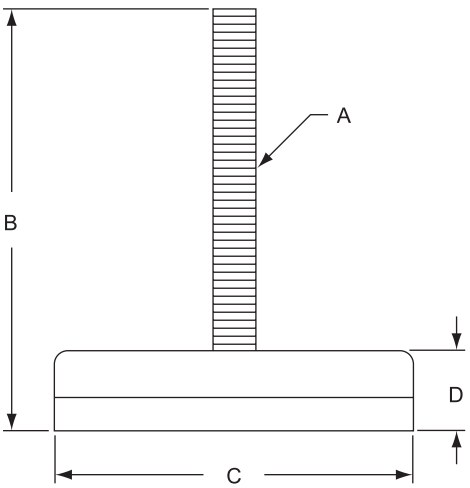
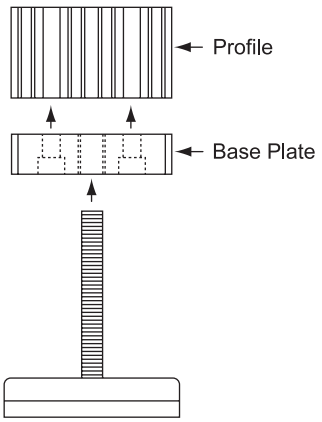
Economy Furniture Glides

- **10 and 15 Series compatible**
- **Threads into profile end or can be mounted with base plates**
- **Nickel-plated with non-abrasive nylon base**
- **Cost-effective, modular solution for light-duty applications**
- **See page 564 for tapping services**





Part No.	Load Capacity	A	B	C	D	Lbs.
2186	250 Lbs.	1/4-20	1.870	1.200	.378	.041
2187	250 Lbs.	5/16-18	2.570	2.030	.578	.139
2188	250 Lbs.	3/8-16	2.460	2.400	.468	.179
2189	500 Lbs.	1/2-13	2.540	2.800	.542	.269

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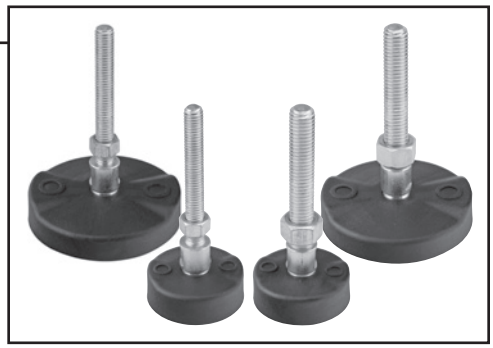
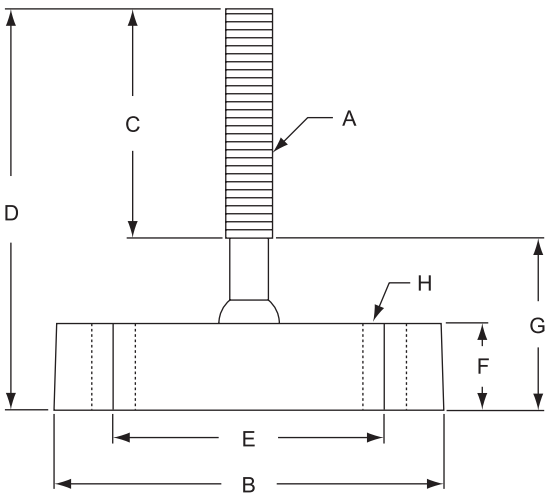
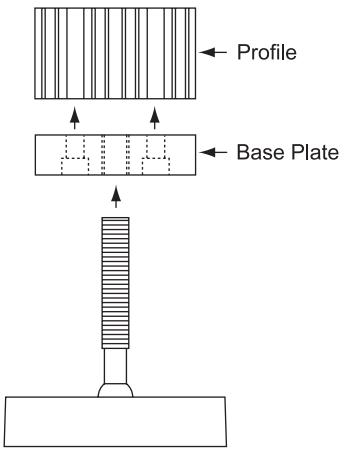
Large Base Glides



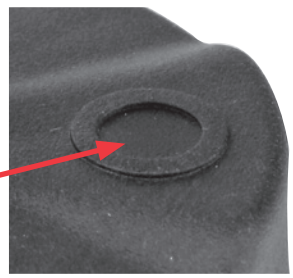
- **10 and 15 Series compatible**
- **Mount to profile with base plates on pages 480-483**
- **Zinc-plated stud with glass-filled nylon base**
- **4000-5000 lb. load capacity for leveling heavier applications**
- **Extra large base diameter creates maximum surface area**
- **Stems swivel 15° in all directions**
- **See page 564 for tapping services**





Part No.	Load Capacity	A	B	C	D	E	F	G	H	Lbs.
2183	4000 Lbs.	3/8-16	1.970	3.000	4.290	1.320	.730	1.300	.272	.184
2184	4000 Lbs.	1/2-13	1.970	3.000	4.290	1.320	.730	1.300	.272	.256
2181	5000 Lbs.	3/8-16	3.150	3.000	4.290	2.165	.730	1.500	.354	.266
2182	5000 Lbs.	1/2-13	3.150	3.000	4.290	2.165	.730	1.500	.354	.338

80/20's large base glides are now available with the mounting holes in the base covered. If access is needed to bolt the glides to the floor, simply punch through the nylon base material.



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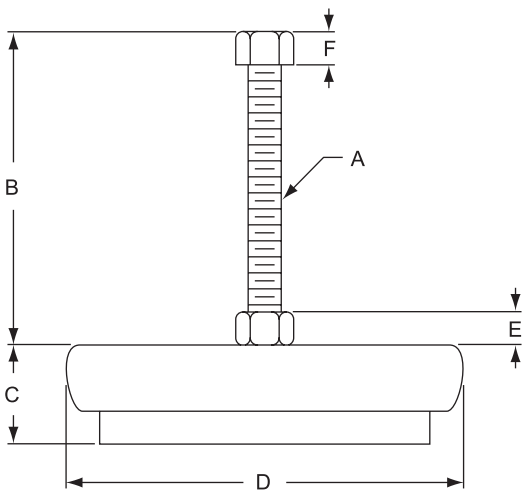
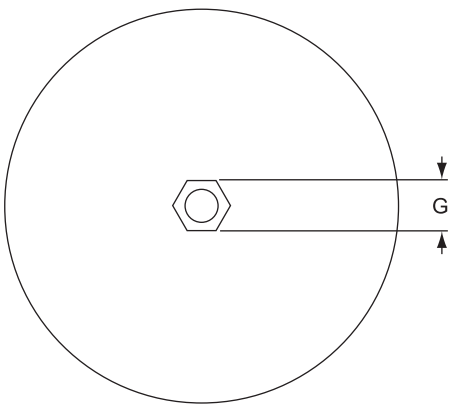
Mighty Mount™

- **10 and 15 Series compatible**
- **Zinc-plated lock nut and bolt included**
- **High vibration and shock isolation with non-skid elastomer pad**
- **300 - 4200 lbs. maximum load capacity range**
- **Powder coated safety yellow steel housing**
- **Works great with leveling anchor base plates shown on pages 484-487**
- **See page 564 for tapping services**





Part No.	Load Range	A	B	C	D	E	F	G	Lbs.
2215	100 / 300 Lbs.	3/8-16	2.250	1.500	3.000	.375	.250	.563	1.140
2216	500 / 1500 Lbs.	1/2-13	4.250	1.500	5.000	.438	.375	.750	2.760
2217	1000 / 4200 Lbs.	3/4-10	4.250	1.630	6.000	.688	.500	1.125	5.820

Note: Dimensions are free height of mount before leveling with leveling bolt. Mighty Mount® is a registered trademark of Willimount Corp.

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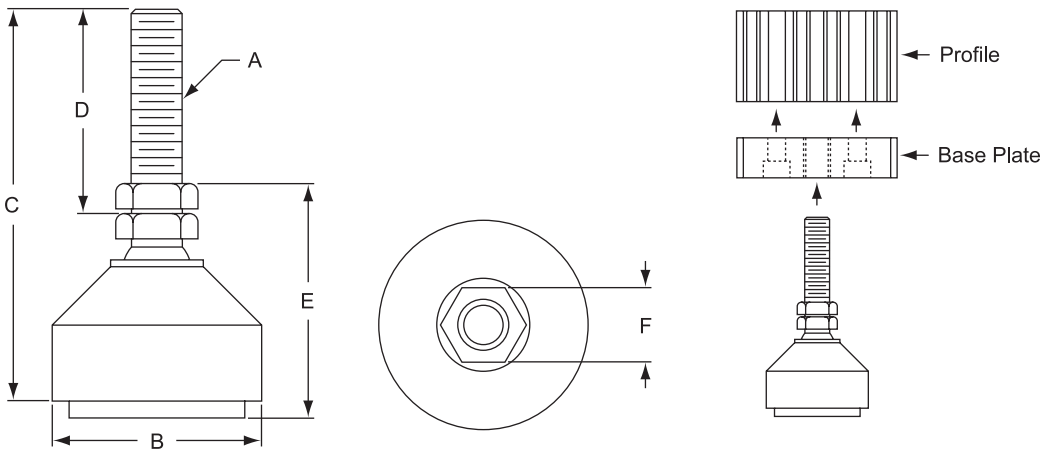
Economy Anti-Vibration Mounts

- 10 and 15 Series compatible
- Gold irridite finish with black rubber anti-vibration pad
- 100 - 650 lbs. load capacity range
- Pivots 20° to accommodate uneven floors
- Level high-precision or computerized machinery
- See page 480-483 for base plates
- See page 564 for tapping services



Part No.	Load Capacity	A	B	C	D	E	F	Lbs.
2207	100 Lbs.	3/8-16	1.250	3.500	2.000	1.500	.562	.320
2208	240 Lbs.	1/2-13	1.875	3.750	2.000	1.750	.625	.800
2209	650 Lbs.	3/4-10	3.000	4.125	2.000	2.125	1.062	2.380

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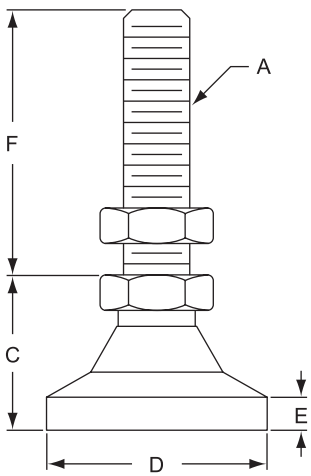
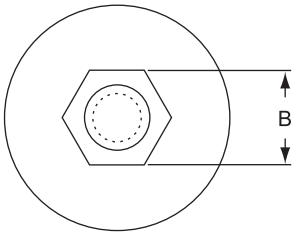
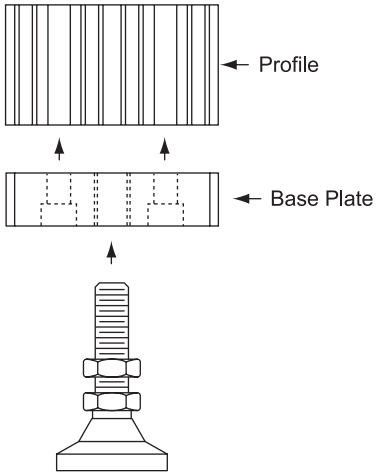
Deluxe Leveling Feet

- **10 and 15 Series compatible**
- **1000-7400 lbs. Load capacity range**
- **Threads directly into tapped profile end; jam nut included**
- **Pivots 20° to accommodate uneven floors**
- **Base plates can also be used for mounting feet to T-slotted profiles – see page 480-483**
- **See page 564 for tapping services**







8

Part No.	Load Capacity	A	B	C	D	E	F	Lbs.
2192 ⊠	1000 Lbs.	1/4-20	.500	.703	1.000	.156	1.250	.100
2194	2300 Lbs.	5/16-18	.625	.875	1.250	.188	2.000	.220
2190	3750 Lbs.	3/8-16	.625	.875	1.250	.188	2.000	.220
2200	5000 Lbs.	1/2-13	.750	1.125	1.875	.250	2.000	.510
2202	7400 Lbs.	3/4-10	1.062	1.500	3.000	.500	2.000	1.680

⊠ = 10 Series Compatible Part

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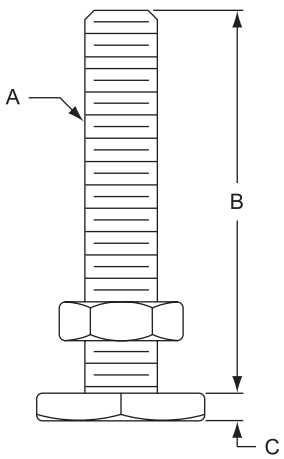
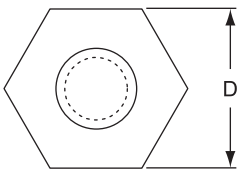
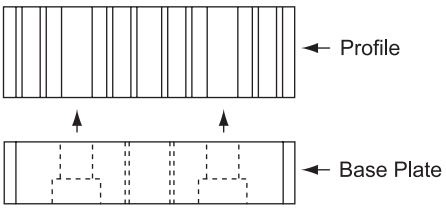
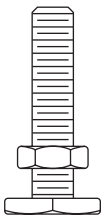
Economy Leveling Feet

- **10 and 15 Series compatible**
- **Threads directly into tapped profile end; jam nut included**
- **1050-4700 lbs. load capacity range**
- **Base plates can also be used for mounting feet onto T-slotted profiles – see page 480-483**
- **See page 564 for tapping services**









Part No.	Load Capacity	A	B	C	D	Lbs.
2193 ⊠	1050 Lbs.	1/4-20	1.250	.094	.563	.025
2195	1750 Lbs.	5/16-18	1.500	.109	.750	.050
2191	2550 Lbs.	3/8-16	2.000	.141	.875	.085
2201	4700 Lbs.	1/2-13	2.500	.172	1.063	.180

⊠ = 10 Series Compatible Part

80/20® Inc.
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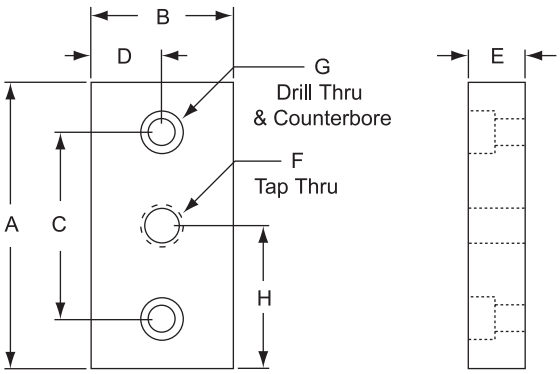
THE STANDARD

10 Series Base Plates

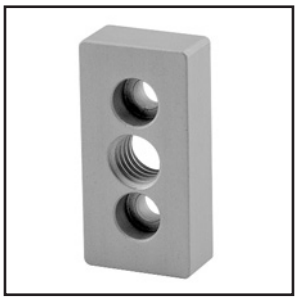
- **10 Series compatible**
- **Mounts leveling feet and threaded stem casters to profile**
- **Made of 6105-T5 clear anodized aluminum**
- **Attach to profile end or T-slot**

⊠ = 10 Series Compatible Part

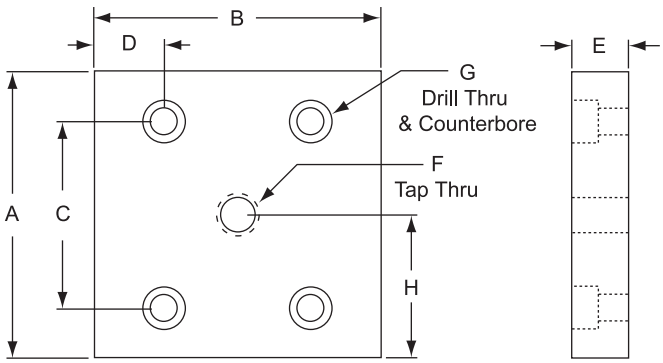


Part Numbers:

2124 ⊠
2128 ⊠
2129 ⊠
2137 ⊠
2361 ⊠

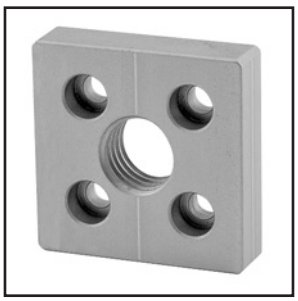


Part No.	A	B	C	D	E	F	G	H	Lbs.
2124 ⊠	2.000	1.000	1.000	.500	.500	5/16-18	1/4-20 SHCS	1.000	.087
2128 ⊠	2.000	1.000	1.000	.500	.500	1/4-20		1.000	.090
2129 ⊠	2.000	1.000	1.000	.500	.500	3/8-16		1.000	.085
2137 ⊠	2.000	1.000	1.000	.500	.500	7/16-14		1.000	.080
2361 ⊠	2.000	1.000	1.000	.500	.500	1/2-13		1.000	.078



Part Numbers:

2127 ⊠
2131 ⊠
2132 ⊠
2139 ⊠
2362 ⊠



Part No.	A	B	C	D	E	F	G	H	Lbs.
2127 ⊠	2.000	2.000	1.000	.500	.500	5/16-18	1/4-20 SHCS	1.000	.180
2131 ⊠	2.000	2.000	1.000	.500	.500	3/8-16		1.000	.175
2132 ⊠	2.000	2.000	1.000	.500	.500	1/2-13		1.000	.170
2139 ⊠	2.000	2.000	1.000	.500	.500	7/16-14		1.000	.170
2362 ⊠	2.000	2.000	1.000	.500	.500	3/4-10		1.000	.160

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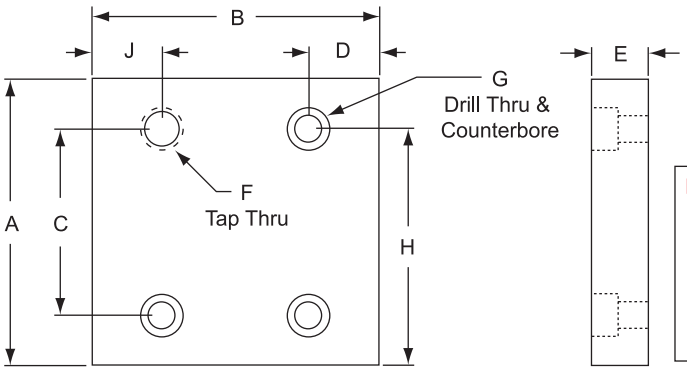
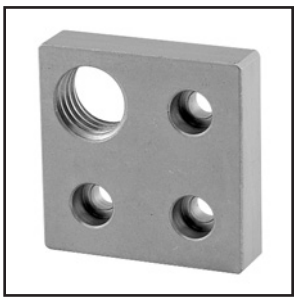
10 Series Base Plates continued



Part Numbers:

2136 ⊠
2142 ⊠
2143 ⊠
2363 ⊠
2364 ⊠



Part No.	A	B	C	D	E	F	G	H	J	Lbs.
2136 ⊠	2.000	2.000	1.000	.500	.500	5/16-18	1/4-20 SHCS	1.500	.500	.185
2142 ⊠	2.000	2.000	1.000	.500	.500	3/8-16		1.500	.500	.180
2143 ⊠	2.000	2.000	1.000	.500	.500	7/16-14		1.500	.500	.175
2363 ⊠	2.000	2.000	1.000	.500	.500	1/2-13		1.500	.500	.172
2364 ⊠	2.000	2.000	1.000	.500	.500	3/4-10		1.500	.500	.162

⊠ = 10 Series Compatible Part

Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Bolt Kit	Qty	Description
2124 ⊠ 2128 ⊠ 2129 ⊠ 2137 ⊠ 2361 ⊠	3491	2	1/4-20 x 1/2" SHCS & Econ T-Nut
2127 ⊠ 2131 ⊠ 2132 ⊠ 2139 ⊠ 2362 ⊠	3491	4	1/4-20 x 1/2" SHCS & Econ T-Nut
2136 ⊠ 2142 ⊠ 2143 ⊠ 2363 ⊠ 2364 ⊠	3491	3	1/4-20 x 1/2" SHCS & Econ T-Nut

Recommended Mounting Hardware (Mount to Profile End):

Part No.	Bolt Kit	Qty	Description
2124 ⊠ 2128 ⊠ 2129 ⊠ 2137 ⊠ 2361 ⊠	3064	2	1/4-20 x 3/4" SHCS
2127 ⊠ 2131 ⊠ 2132 ⊠ 2139 ⊠ 2362 ⊠	3064	4	1/4-20 x 3/4" SHCS
2136 ⊠ 2142 ⊠ 2143 ⊠ 2363 ⊠ 2364 ⊠	—	—	Note: Corner tap base plate should **NOT** be mounted to the profile end

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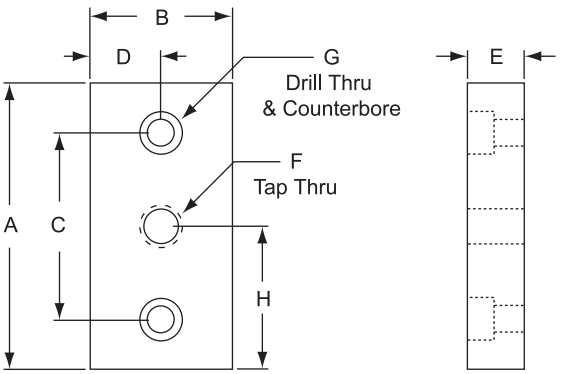
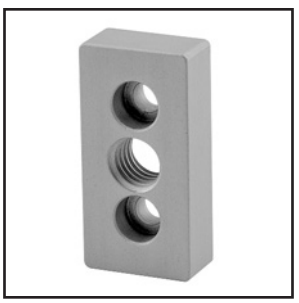
15 Series Base Plates

- **15 Series compatible**
- **Mounts leveling feet and threaded stem casters into profile**
- **Made of 6105-T5 clear anodized aluminum**
- **Attach to profile end or T-slot**

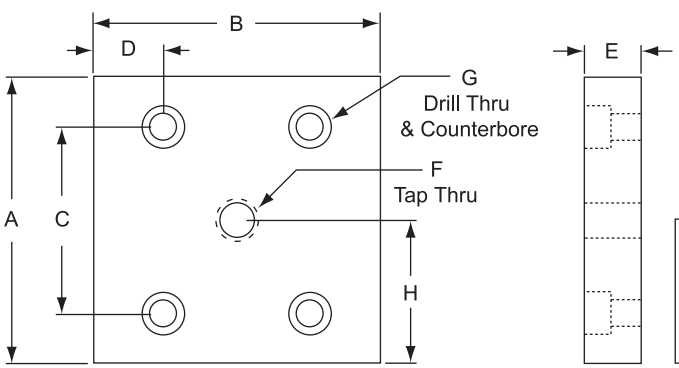


Part Numbers:

2130
2135
2138
2365

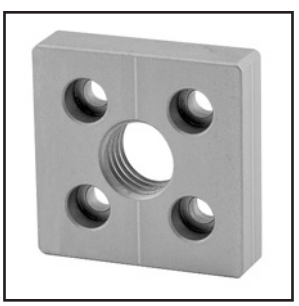


Part No.	A	B	C	D	E	F	G	H	Lbs.
2130	3.000	1.500	1.500	.750	.750	3/8-16	5/16-18 SHCS	1.500	.300
2135	3.000	1.500	1.500	.750	.750	1/2-13		1.500	.300
2138	3.000	1.500	1.500	.750	.750	7/16-14		1.500	.300
2365	3.000	1.500	1.500	.750	.750	3/4-10		1.500	.286



Part Numbers:

2140
2145
2366



Part No.	A	B	C	D	E	F	G	H	Lbs.
2140	3.000	3.000	1.500	.750	.750	1/2-13	5/16-18 SHCS	1.500	.600
2145	3.000	3.000	1.500	.750	.750	7/16-14		1.500	.600
2366	3.000	3.000	1.500	.750	.750	3/4-10		1.500	.580

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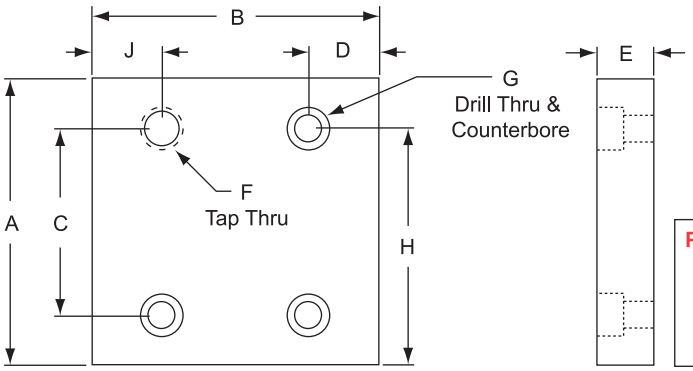
15 Series Base Plates continued



Part Numbers:

2141
2146
2367

Part No.	A	B	C	D	E	F	G	H	J	Lbs.
2141	3.000	3.000	1.500	.750	.750	1/2-13	5/16-18 SHCS	2.250	.750	.610
2146	3.000	3.000	1.500	.750	.750	7/16-14		2.250	.750	.610
2367	3.000	3.000	1.500	.750	.750	3/4-10		2.250	.750	.600

Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Bolt Kit	Qty	Description
2130	**3458**	2	$^{5}/_{16}$-18 x $^{7}/_{8}$" SHCS & Econ T-Nut
2135			
2138			
2365			
2140	**3458**	4	$^{5}/_{16}$-18 x $^{7}/_{8}$" SHCS & Econ T-Nut
2145			
2366			
2141	**3458**	3	$^{5}/_{16}$-18 x $^{7}/_{8}$" SHCS & Econ T-Nut
2146			
2367			

Recommended Mounting Hardware (Mount to Profile End):

Part No.	Bolt Kit	Qty	Description
2130	**3123**	2	$^{5}/_{16}$-18 x 1$^{1}/_{4}$" SHCS
2135			
2138			
2365			
2140	**3123**	4	$^{5}/_{16}$-18 x 1$^{1}/_{4}$" SHCS
2145			
2366			
2141	—	—	Note: Corner tap base plate should **NOT** be mounted to the profile end
2146			
2367			

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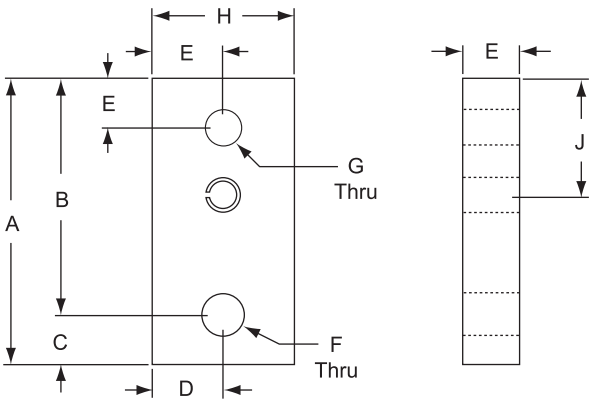
10 Series Leveling/Anchoring Base Plates

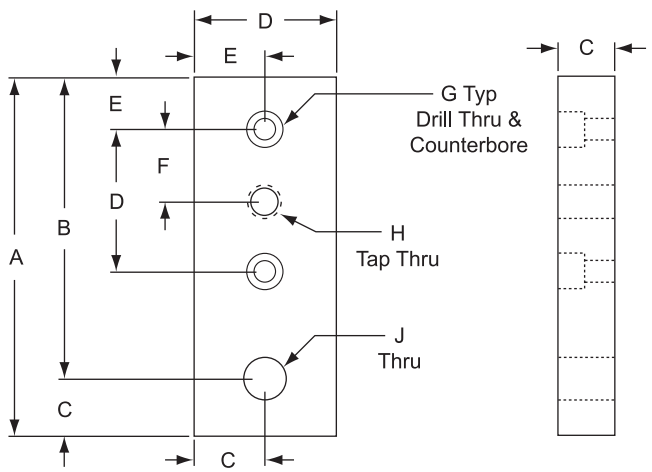
- **10 Series compatible**
- **Provides offset hole to anchor fixture to floor**
- **Made of 6105-T5 clear anodized aluminum**
- **Mounts leveling feet onto most 80/20® T-slotted profile ends**
- **Use with wedge floor anchors on page 492**

⊠ = 10 Series Compatible Part



Part Number:
2166 ⊠

Part No.	A	B	C	D	E	F	G	H	J	Lbs.
2166 ⊠	2.500	1.875	.625	.500	.500	ø.390	ø.257	1.000	.940	.120



Part Number:
2167 ⊠
2168 ⊠

Part No.	A	B	C	D	E	F	G	H	J	Lbs.
2167 ⊠	3.500	2.875	.500	1.000	.500	.500	1/4-20 SHCS	1/4-20	ø.390	.155
2168 ⊠	3.500	2.875	.500	1.000	.500	.500	1/4-20 SHCS	3/8-16	ø.390	.155

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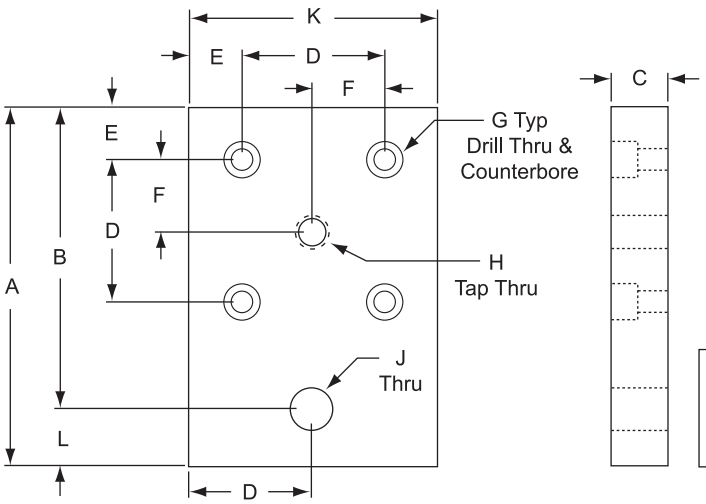
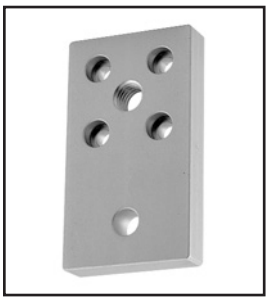
10 Series Leveling / Anchoring Base Plates continued



Part Number:

2169 ⊠
2171 ⊠



Part No.	A	B	C	D	E	F	G	H	J	K	L	Lbs.
2169 ⊠	3.500	2.875	.500	1.000	.500	.500	1/4-20 SHCS	3/8-16	ø.390	2.000	.625	.315
2171 ⊠	3.500	2.875	.500	1.000	.500	.500	1/4-20 SHCS	1/2-13	ø.390	2.000	.625	.310

⊠ = 10 Series Compatible Part

Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Bolt Kit	Qty	Description
2166	—	—	—
2167	3491	2	1/4-20 x 1/2" SHCS & Econ T-Nut
2168			
2169	3491	4	1/4-20 x 1/2" SHCS & Econ T-Nut
2171			

Recommended Mounting Hardware (Mount to Profile End):

Part No.	Bolt Kit	Qty	Description
2166	—	—	—
2167	3064	2	1/4-20 x 3/4" SHCS
2168			
2169	3064	4	1/4-20 x 3/4" SHCS
2171			

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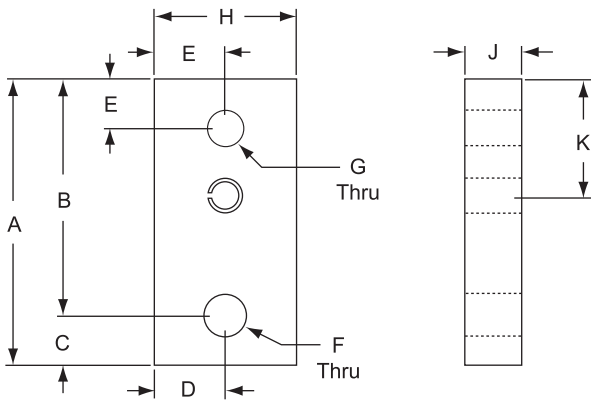
15 Series Leveling/Anchoring Base Plates

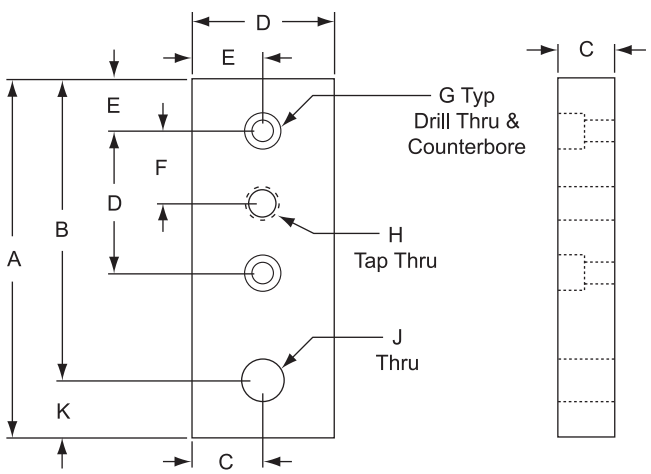
- **15 Series compatible**
- **Provides an offset hole to anchor your frame to floor**
- **Made of 6105-T5 clear anodized aluminum**
- **Mounts leveling feet onto most 80/20® T-slotted profile ends**
- **Use with wedge floor anchors on page 492**



Part Number:

2165

Part No.	A	B	C	D	E	F	G	H	J	K	Lbs.
2165	3.000	2.500	.500	.750	.750	ø.531	ø.390	1.500	.500	1.410	.205



Part Number:

2170
2175

Part No.	A	B	C	D	E	F	G	H	J	K	Lbs.
2170	4.500	4.000	.750	1.500	.750	.750	5/16-18 SHCS	3/8-16	ø.531	.500	.445
2175	4.500	4.000	.750	1.500	.750	.750	5/16-18 SHCS	1/2-13	ø.531	.500	.445

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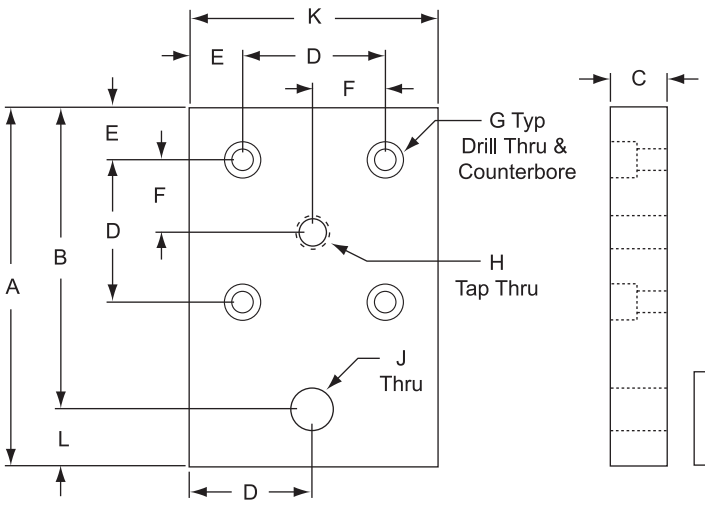
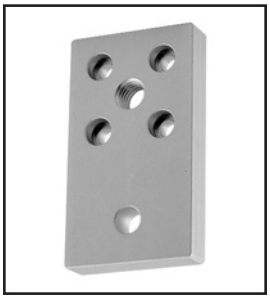
15 Series Leveling / Anchoring Base Plates continued



Part Number:

2180



Part No.	A	B	C	D	E	F	G	H	J	K	L	Lbs.
2180	4.500	4.000	.750	1.500	.750	.750	5/16-18 SHCS	1/2-13	ø.531	3.000	.500	.920

Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Bolt Kit	Qty	Description
2165	—	—	—
2170	3458	2	5/16-18 x 7/8" SHCS & Econ T-Nut
2175			
2180	3458	4	5/16-18 x 7/8" SHCS & Econ T-Nut

Recommended Mounting Hardware (Mount to Profile End):

Part No.	Bolt Kit	Qty	Description
2165	—	—	—
2170	3123	2	5/16-18 x 1 1/4" SHCS
2175			
2180	3123	4	5/16-18 x 1 1/4" SHCS

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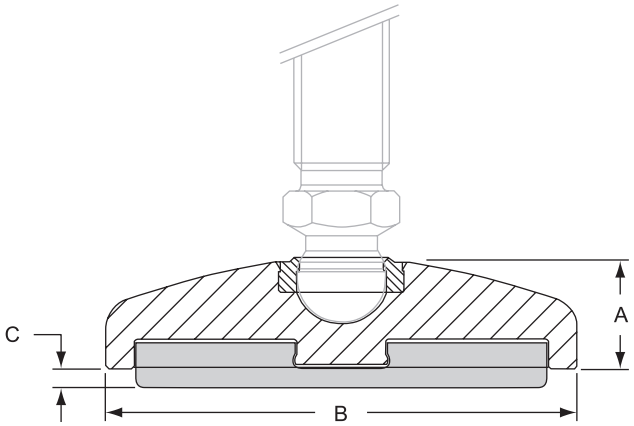
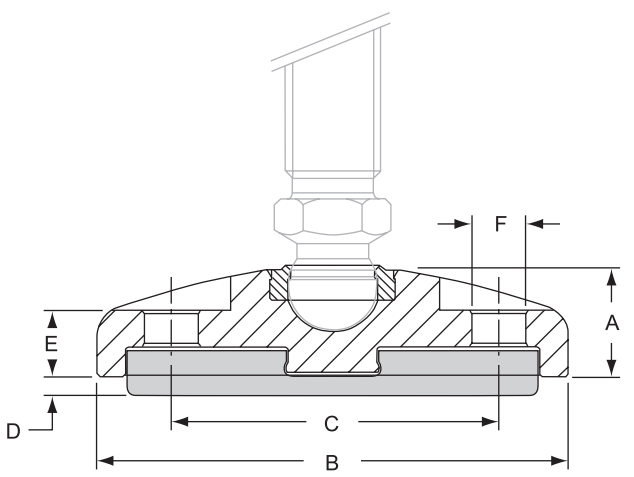
Base for Swivel Feet
Stainless Steel - SS 304



- **Heavy-duty leveling feet have anti-slip rubber pads**
- **These bases require threaded stems shown on page 489**

Part No. with Anti-Slip Plate	Base	A	B	C	Max. Load / Lbs.	Lbs.
12170	1.181	.709	1.142	.118	4400.00	.14
12172	1.575		1.535		6600.00	.22
12174	1.772		1.732		6600.00	.27
12176	1.969		1.929		7700.00	.35
12178	2.362		2.323		7700.00	.48
12182	3.150		3.110		7700.00	.84
12186	3.937		3.898		8800.00	1.33

Base for Swivel Feet
Stainless Steel - SS 304



- **Heavy-duty leveling feet with floor mount holes**
- **Anti-slip rubber pads included**
- **These bases require threaded stems shown on page 489**
- **See page 492 for wedge floor anchors**

Part No. with Anti-Slip Plate	Base	A	B	C	D	E	F	Max. Load / Lbs.	Lbs.
12181	3.150	.709	3.110	2.165	.118	.433	.354	6600.00	.78
12185	3.937		3.898	2.913				8800.00	1.29

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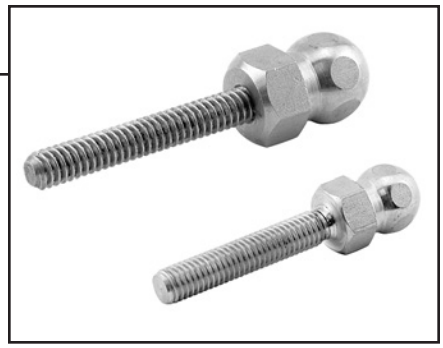
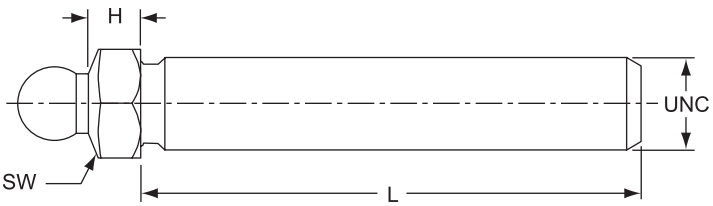
Threaded Stems for Swivel Feet

Zinc-Plated Steel & Stainless Steel - SS 304

- **Metric and fractional threads**
- **Zinc-plated or stainless steel**
- **Use with swivel bases on page 488, 490**

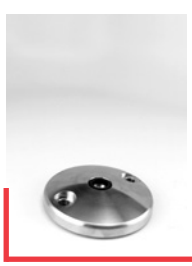




Stainless Steel Part No.	Zinc-Plated Steel Part No.	Threaded Rod UNC	L	Max. Load /Lbs.	Lbs.	Spanner Width (SW)	H
12229	12230	1/4-20	1.50	400.00	.07	9/16”	.295
12245	12246	5/16-18	1.50	700.00	.08	9/16”	.295
12247	12248	5/16-18	2.50	700.00	.10	9/16”	.295
12249	12250	5/16-18	3.50	700.00	.12	9/16”	.295
12237	12238	3/8-16	1.50	1000.00	.10	9/16”	.295
12239	12240	3/8-16	2.50	1000.00	.12	9/16”	.295
12241	12242	3/8-16	4.00	1000.00	.15	9/16”	.295
12243	-	3/8-16	6.00	1000.00	.20	9/16”	.295
12213	-	1/2-13	1.50	1600.00	.12	9/16”	.295
12215	12216	1/2-13	2.50	1600.00	.16	9/16”	.295
12217	12218	1/2-13	2.00	1600.00	.15	9/16”	.295
12221	12222	1/2-13	3.00	1600.00	.20	9/16”	.295
12223	12224	1/2-13	4.00	1600.00	.24	9/16”	.295
12227	12228	1/2-13	6.00	1600.00	.32	9/16”	.295
12231	12232	3/4-10	4.00	5300.00	.53	7/8”	.413
12233	12234	3/4-10	6.00	5300.00	.73	7/8”	.413

Stainless Steel Part No.	Zinc-Plated Steel Part No.	Threaded Rod UNC	L	Max. Load / Lbs.	Gram (Lbs.)	Spanner Width (SW)	H
12195	12390	M8	1.575	700.00	36.00 (0.08)	9/16”	.295
12196	12392	M8	3.150	700.00	50.00 (0.11)	9/16”	.295
12197	12394	M10	1.772	1000.00	41.00 (0.09)	9/16”	.295
12198	12396	M10	3.543	1000.00	68.00 (0.15)	9/16”	.295
12200	12400	M12	1.772	1600.00	54.00 (0.12)	9/16”	.295
12201	12402	M12	3.937	1600.00	95.00 (0.21)	9/16”	.295
12203	12406	M16	2.598	3100.00	113.00 (0.25)	.669	.295
12204	12408	M16	4.921	3100.00	191.00 (0.42)	.669	.295

To assemble swivel bases and threaded stems shown on pages 488-491:



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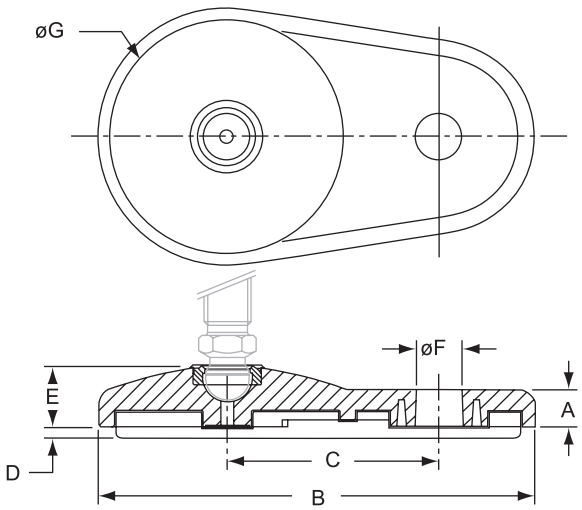
Extended Base for Swivel Feet

Die-Cast Zinc, Black Powder Coat



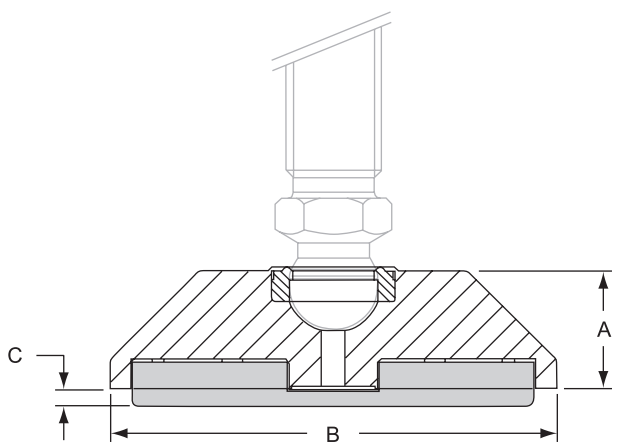
- **High load capacity for heavy applications**
- **Attach to the floor with wedge floor anchors on page 492**

Part No. with Anti-Slip Plate	Base	A	B	C	D	E	F	G	Max. Load / Lbs.	Lbs.
12192	3.110	.445	5.275	2.559	.079	.709	.551	3.110	6600.00	.88

To assemble swivel bases and threaded stems, see instructions on page 489.

Trapezoid Base for Swivel Feet

Die-Cast Zinc, Black Powder Coat



- **Heavy-duty leveling base for uneven floors**
- **See page 489 for a large selection of threaded stems**

Part No. with Anti-Slip Plate	A	B	C	Max. Load / Lbs.	Lbs.
12194	.787	2.992	.079	6600.00	.56

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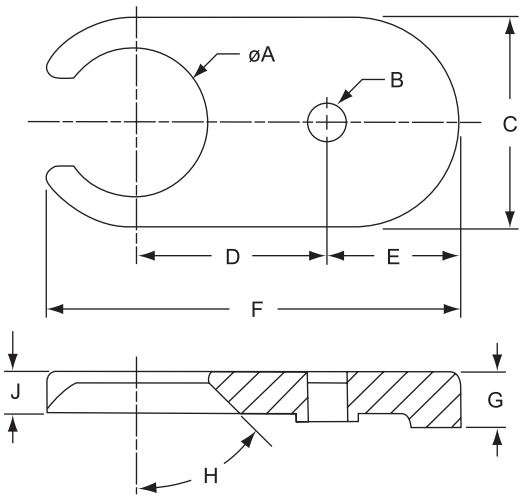
Trapezoid Base Anchor

Die-Cast Zinc, Black Powder Coat

- **Use with trapezoid base, Part No. 12194 shown on page 490**
- **Securely holds the base when using wedge floor anchors shown on page 492**



Part No.	A	B	C	D	E	F	G	H	J	Floor Mounting	For Base	Lbs.
12168	2.126	.551	2.992	2.756	1.890	5.905	.787	45°	.590	for 12194	3.150	1.07

To assemble swivel bases and threaded stems, see instructions on page 489.

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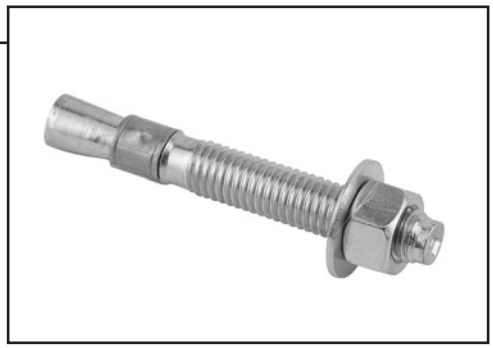
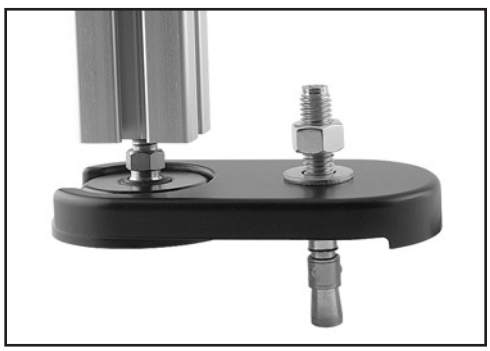
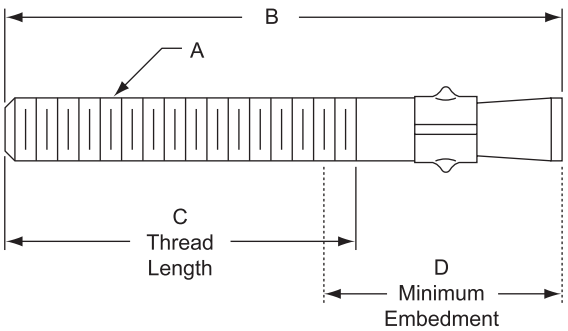
Wedge Floor Anchors

- **Mount fixture directly to solid concrete floor**
- **Hex nut and washer included**
- **Made of high-strength carbon steel**
- **Use with leveling anchor base plates on pages 484-487**
- **Values shown are average ultimate values; they are offered only as a guide and are not guaranteed.**



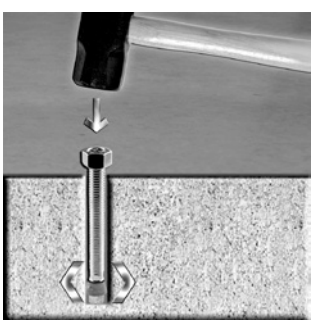




Part No.	A	B	C	D*	Tension (Lbs.)	Shear (Lbs.)	Lbs.
2904	1/4-20	1.750	0.750	1.125	1771.00	1813.00	.060
2905	1/4-20	3.250	2.250	1.125	2748.00	2813.00	.082
2901 ⌘	3/8-16	2.750	1.625	1.500	3219.00	4029.00	.091
2902 ⌘	3/8-16	3.750	2.625	1.500	5678.00	4305.00	.116
2903 ⌘	3/8-16	5.000	3.875	1.500	5935.00	4581.00	.147
2906	1/2-13	3.750	2.250	2.250	5384.00	6900.00	.228
2907	1/2-13	5.500	3.000	2.250	7333.00	7449.00	.309
2908	1/2-13	7.000	4.500	2.250	9003.00	7998.00	.378

⌘ = 10 Series Compatible Part * (D) dimension is the minimum embedment.

Step #1


Step #2

Step #3

Step #1 Drill hole: Depth is embedment length plus 1/2". Diameter is the wedge anchor size. Clean out the hole.

Step #2 Thread nut on end of anchor to protect threads during installation. Hammer anchor to a depth so that threads are below the floor surface.

Step #3 Hand tighten nut, then 3 to 4 full turns with a wrench.

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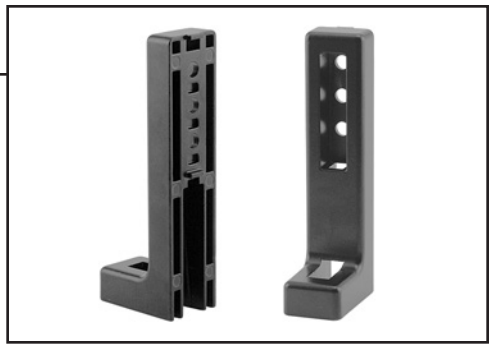
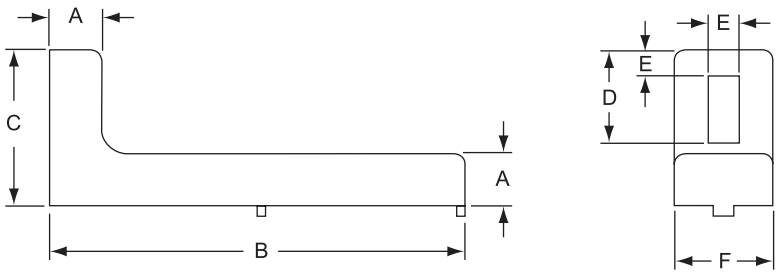
Floor Brackets

Die-Cast Zinc, Black Powder Coat

- **10, 15, 25, 30, 40 and 45 Series compatible**
- **Mounts to T-slot with recommended hardware listed below**
- **Fix profile to floor using wedge floor anchors on page 492**





Part No.	Floor Bracket	A	B	C	D	E	F	Lbs.	Compatibility Code*
14000	1.772 x 4.724 x 1.181	.590	4.724	1.772	1.142	.394	1.181	.48	6-10, 6-25
14002									8-15, 8-30, 8-40
14006	2.362 x 6.299 x 1.496	.787	6.299	2.362	.984	.394	1.496	1.03	8-15, 8-40

Recommended Fractional Mounting Hardware (Mount to T-slot):

Part No.	Bracket Part No.	Series	Qty	Description
3486	14000	10	2	1/4-20 x 3/8 SHCS & Econ. T-nut
3418	14002	15	2	1/4-20 x 5/8 BHSCS & Econ. T-nut
3462	14006	15	2	5/16-18 x 5/8 SHCS & Econ. T-nut

Recommended Metric Mounting Hardware (Mount to T-slot):

Part No.	Bracket Part No.	Series	Qty	Description
75-3520	14000	25	2	M6 x 10mm SHCS & Drop-In T-nut
75-3590	14002	30	2	M6 x 10mm SHCS & Drop-In T-nut
75-3593	14002	40	2	M6 x 14mm SHCS & Drop-In T-nut
75-3625	14006	40	2	M8 x 16mm SHCS & Slide-In T-nut

* See Compatibility Code information on page 152.

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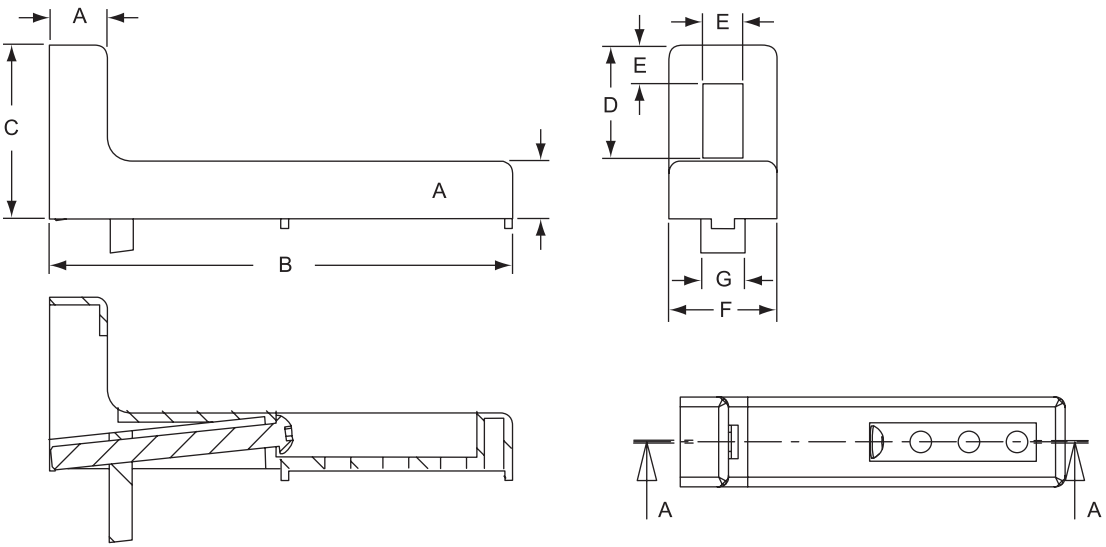
Adjustable Floor Brackets

Die-Cast Zinc, Black Powder Coat

- **10, 15, 25, 30, 40 and 45 series compatible**
- **Height adjustable screw in front activates stop plate in the slot on the back of the bracket**
- **Use wedge floor anchors on page 492 to fix to the floor**



Part No.	Floor Bracket	A	B	C	D	E	F	G (Slot Tab)	Lbs.	Lifting Height	Compatibility Code*
14001	1.772 x 4.724 x 1.181	.590	4.724	1.772	1.142	.394	1.181	.236	.478	2.047	6-10-6-25
14003								.315			8-15, 8-30, 8-40
14007	2.362 x 6.299 x 1.496	.787	6.299	2.362	.984	.394	1.496	.315	1.100	2.835	8-15, 8-40

Recommended Fractional Mounting Hardware (Mount to T-slot):

Part No.	Bracket Part No.	Series	Qty	Description
3486	14001	10	2	1/4-20 x 3/8 SHCS & Econ. T-nut
3418	14003	15	2	1/4-20 x 5/8 BHSCS & Econ. T-nut
3462	14007	15	2	5/16-18 x 5/8 SHCS & Econ. T-nut

Recommended Metric Mounting Hardware: (Mount to T-slot):

Part No.	Bracket Part No.	Series	Qty	Description
75-3520	14001	25	2	M6 x 10mm SHCS & Drop-In T-nut
75-3590	14003	30	2	M6 x 10mm SHCS & Drop-In T-nut
75-3593	14003	40	2	M6 x 14mm SHCS & Drop-In T-nut
75-3625	14007	40	2	M8 x 16mm SHCS & Slide-In T-nut

* See Compatibility Code information on page 152.

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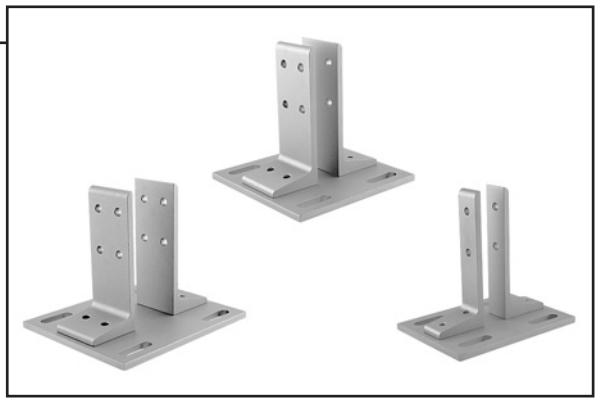
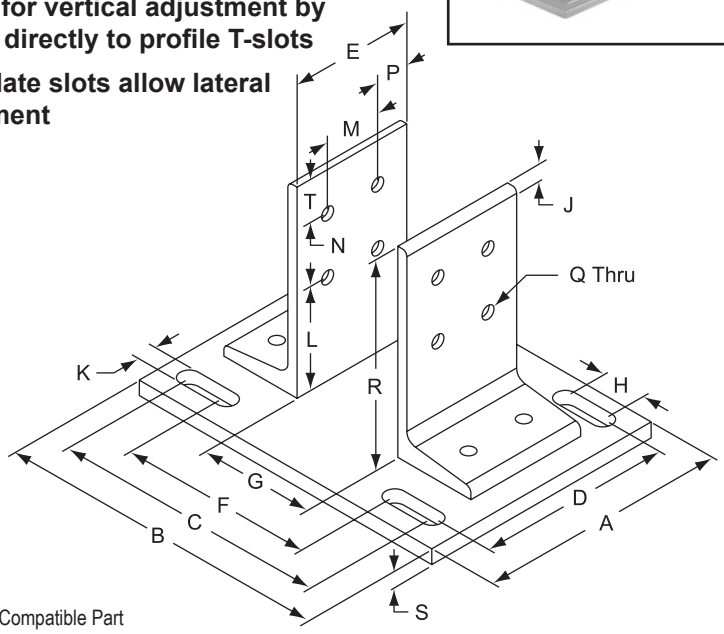
Floor Mount Base Plates



- 10 and 15 Series compatible
- Made of 6105-T5 clear anodized aluminum
- Easily secure frame in place by adding wedge floor anchors found on page 492
- Strong, economical method of mounting frame to floor
- Allows for vertical adjustment by bolting directly to profile T-slots
- Base plate slots allow lateral adjustment

Page 268



⊠ = 10 Series Compatible Part

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	Lbs.
2380 ⊠	4.000	5.500	4.250	2.750	1.000	2.250	1.000	1.000	.250	.406	2.750	—	1.500	.500	ø.281	5.000	.250	.750	.870
2385 ⊠	5.500	5.500	4.250	4.250	2.000	2.250	1.000	1.000	.250	.406	2.750	1.000	1.500	.500	ø.281	5.000	.250	.750	1.555
2387 ⊠	5.500	6.500	5.250	4.250	2.000	3.250	2.000	1.000	.250	.406	2.750	1.000	1.500	.500	ø.281	5.000	.250	.750	1.570
2390	5.000	6.000	4.750	3.750	1.500	2.750	1.500	1.000	.250	.531	2.750	—	1.500	.750	ø.328	5.000	.375	.750	1.555
2400	6.000	6.500	5.250	4.750	3.000	3.250	1.500	1.000	.250	.531	2.750	1.500	1.500	.750	ø.328	5.000	.375	.750	2.445
2410	6.000	8.000	6.750	4.750	3.000	4.750	3.000	1.000	.250	.531	2.750	1.500	1.500	.750	ø.328	5.000	.375	.750	2.770

Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Description	Base Plate	Quantity
3321 ⊠	1/4-20 FBHSCS & Economy T-Nut	2380 ⊠	4
		2385 ⊠	8
		2387 ⊠	8
3325	5/16-18 Economy T-Slot Stud w/Washer & Hex Nut	2390	4
		2400	8
		2410	8
OR			
3320	5/16-18 FBHSCS & Economy T-Nut	2390	4
		2400	8
		2410	8

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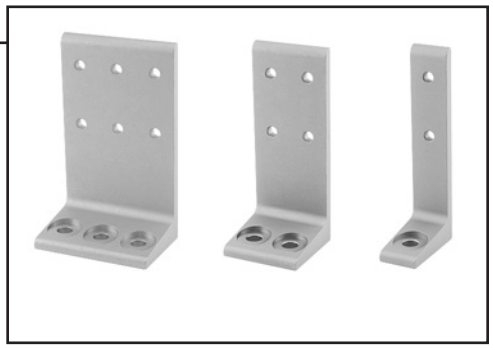
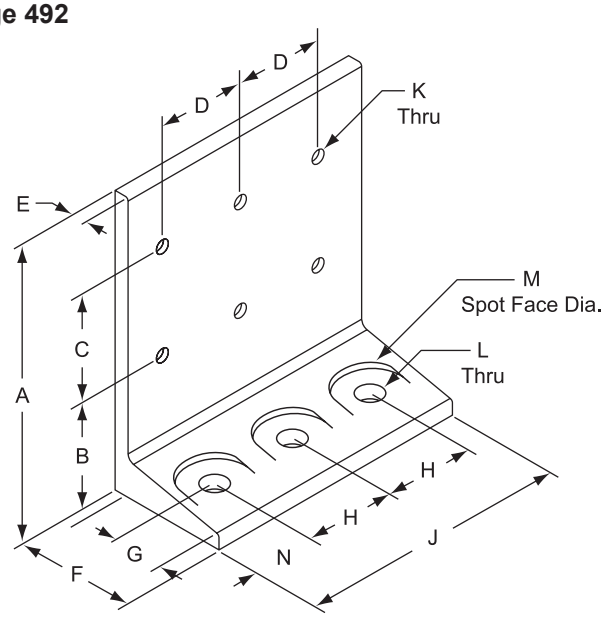
Economy Floor Mount Base Plates



- **10 and 15 Series compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Allows for vertical adjustment by bolting directly to T-slot**
- **Strong, economical method of mounting frame to floor**
- **Easily secure frame in place by using wedge floor anchors on page 492**

Page 268
Page 268



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	Lbs.
2414 ⊠	5.000	2.750	1.500	—	.250	2.000	.688	—	1.000	ø.257	ø.390	.875	.500	.175
2415	5.000	2.750	1.500	—	.250	2.000	.688	—	1.500	ø.328	ø.531	1.125	.750	.265
2416 ⊠	5.000	2.750	1.500	1.000	.250	2.000	.688	1.000	2.000	ø.257	ø.390	.875	.500	.350
2417	5.000	2.750	1.500	1.500	.250	2.000	.688	1.500	3.000	ø.328	ø.531	1.125	.750	.530
2404 ⊠	5.000	2.750	1.500	1.000	.250	2.000	.688	1.000	3.000	ø.257	ø.390	.875	.500	.525
2405	5.000	2.750	1.500	1.500	.250	2.000	.688	1.500	4.500	ø.328	ø.531	1.125	.750	.795

Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Description	Base Plate	Quantity
3321 ⊠	1/4-20 FBHSCS & Economy T-Nut	2414 ⊠	2
		2416 ⊠	4
		2404 ⊠	6
3325	5/16-18 Economy T-Slot Stud w/Washer & Hex Nut	2415	2
		2417	4
		2405	6
OR			
3320	5/16-18 FBHSCS & Economy T-Nut	2415	2
		2417	4
		2405	6

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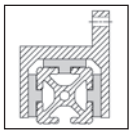
Section #9 Pictorial Table Of Contents

How To Order

Page 498

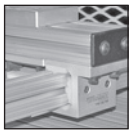
Bearing Guiderail System Concept

Page 499

Single Flange Bearings

Page 500

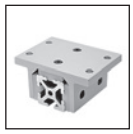
Double Flange Bearings

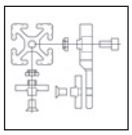
Pages 501-502

High-Cycle Bearing Concept

Page 503

High-Cycle Single Flange Bearings

Page 504

High-Cycle Double Flange Bearings

Pages 505-506

UniBearing™ Bearing Concept

Pages 507-509

Single UniBearing™ Bearings

Page 510

Double UniBearing™ Bearings

Page 511

UniBearing™ Bearing Assemblies

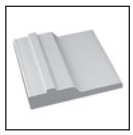
Page 512

Custom Linear Bearings

Page 513

Flanged Bearing Profiles

Page 514

UniBearing™ Profiles

Page 515

Standard Bearing Pads

Page 516

Top-Mount Bearing Pads

Page 517

High-Cycle Bearing Pads

Page 518

Linear Bearing Shim Stock

Page 519

UniBearing™ Bearing Pads

Pages 520-521

Custom Bearing Pad Profiles

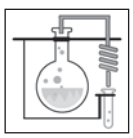
Page 522

Engineering Specifications

Page 523

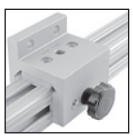
Load Bearing Properties

Page 524

Chemical Resistance

Page 525

Linear Bearing Brake Kits

Page 526

Linear Bearing Brake Holes

Page 527

Roller Wheels

Pages 528-529

Roller Wheel Brackets

Page 530

Roller Wheel Assemblies

Page 531

Legend for Icons

This part is 10 Series compatible

This part can use double economy T-nuts
(see bolt kit table P on page 268)

This part can use triple economy T-nuts
(see bolt kit table Q on page 268)

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

How to Order 80/20® Linear Bearings

When ordering linear motion components from 80/20, it is important to review the three types of bearings available and make the best choice for your application. Be sure to list all brake hole locations and machining part numbers. If you need a custom bearing, select from the bearing housing profiles listed on page 514. Provide a sketch with specific information such as overall length and mounting hole diameter and location, along with any other additional machining. Select from the bearing pad profiles listed on page 522 to complete your custom bearing.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/ UOM	Ext. Price
1	1010	2	18.50"	7042 in A both ends	$.23	$8.51
	1515-Lite-145	5	145.00"	Full length profile	$65.25	$326.25
	3060	4	40.00"	7029 one end	$2.95	$472.00
	3030	4	36.00"	7050 style G in W, X both ends	$1.50	$216.00
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	2611	1	5.25 sf.	1/4" bronze polycarb 1 @ 18" x 40" w/ 7311 per drawing	$10.40	$54.60
4	7150	1		Cut plastic panels all sides < -48"	$10.50	$10.50
	7042	4		10 Series anchor fastener counterbore	$2.25	$9.00
	7005	2		Cut-to-length for 1010	$1.95	$3.90
	7023	4		Cut-to-length for 3060	$2.90	$11.60
	7030	4		Cut-to-length for 3030	$2.60	$10.40
	7050	64		15 Series drill access hole	$1.95	$124.80
	7029	4		5/16-18 tap service for 3060	$15.20	$60.80
	7311	2		Anchor fastener notch for 10 Series	$0.53	$1.06
5	3380	32		15 Series 5/16-18 black zinc end fastener w/ screw	$1.60	$51.20
	2114	16		Gray T-Slot covers for 10 Series	$3.45	$55.20
	2050	8		End caps for 3030	$1.85	$14.80
	3395	4		10 Series anchor fasteners	$2.90	$11.60
	3279	5		15 Series 5/16-18 black zinc double economy T-nut	$0.79	$3.95
	4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	3393	24		10 Series 1/4-20 BHSCS & economy T-nut	$0.40	$9.60

TOTAL $1549.17

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 147-202 • 2 - Custom Parts = Pages 203-220 • 3 - Panels = Pages 349-432
4 - Machining Services = Pages 559-608 • 5 - Accessories & Tools = Pages 433-456 & 549-558

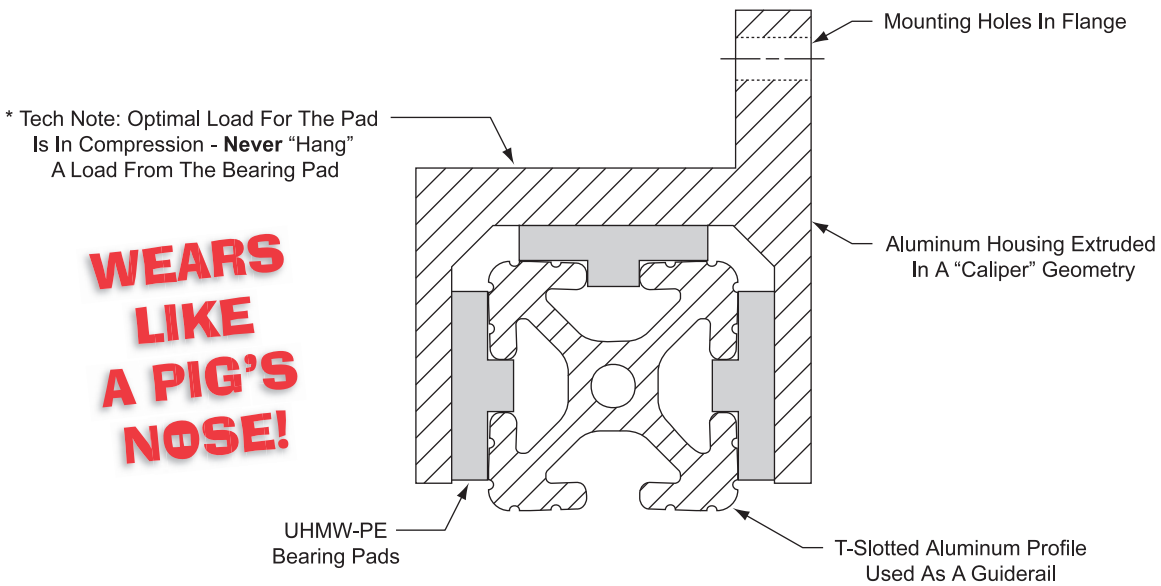
We specialize in FAST™ *same day shipments!*

The Concept Of The Bearing & Guiderail System

The drawing below shows the general concept for 80/20®'s linear bearing design. The bearing profile is used to mount UHMW-PE bearing pads; the pads are then inserted into the T-slot of an 80/20® aluminum T-slotted profile. The bearing uses the profile as a "guiderail", sliding along the profile's T-slots.

It is important to note that the UHMW-PE bearing pads are self lubricating, which makes this method of linear motion clean and smooth. All bearings are designed for compression loads only, and should **NEVER** be used to support hanging loads.

* UHMW-PE is an abbreviation for Ultra High Molecular Weight Polyethylene. UHMW-PE is an easily machined, self-lubricating plastic with a low coefficient of friction. For more information on UHMW-PE, refer to pages 523-525.



80/20® Linear Motion Advantages

- **Cost-effective alternative to traditional bearings**
- **Designed to mate and glide on our family of T-slotted aluminum profiles**
- **Great for unique applications such as drawer glides, door guides, table saw fences, digital length measuring systems, optical sensing mounts, drum set cymbal mounts, workstation height adjustments, etc.**

80/20® Inc.
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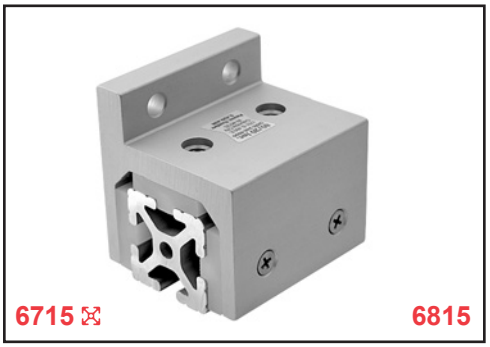
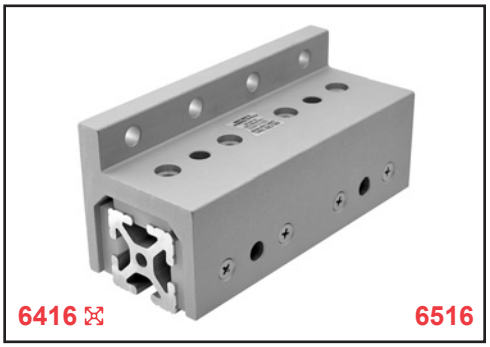
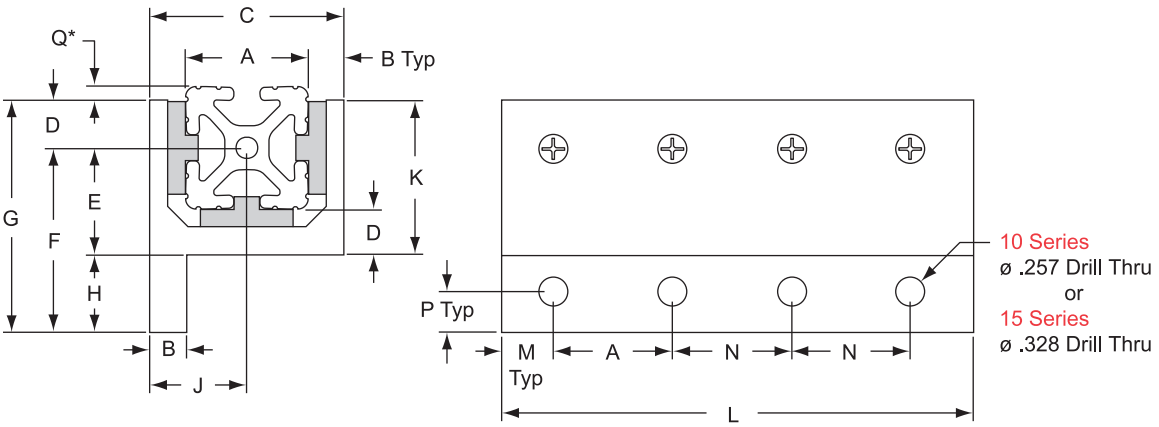
Single Flange Linear Bearings





⊠ = 10 Series Compatible Part

- **Bearings include bearing pads, screws and shims**



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q*	Lbs.
6715 ⊠	1.000	.312	1.625	.406	.903	1.562	1.968	.656	.813	1.312	1.875	.438	—	.343	.094	.205
6415** ⊠	1.000	.312	1.625	.406	.903	1.562	1.968	.656	.813	1.312	1.875	.438	—	.343	.094	.205
6716 ⊠	1.000	.312	1.625	.406	.903	1.562	1.968	.656	.813	1.312	4.000	.500	1.000	.343	.094	.435
6416** ⊠	1.000	.312	1.625	.406	.903	1.562	1.968	.656	.813	1.312	4.000	.500	1.000	.343	.094	.435
6815	1.500	.500	2.500	.625	1.375	2.125	2.750	.750	1.250	2.000	2.812	.656	—	.375	.125	.700
6515**	1.500	.500	2.500	.625	1.375	2.125	2.750	.750	1.250	2.000	2.812	.656	—	.375	.125	.700
6816	1.500	.500	2.500	.625	1.375	2.125	2.750	.750	1.250	2.000	6.000	.750	1.500	.375	.125	1.495
6516**	1.500	.500	2.500	.625	1.375	2.125	2.750	.750	1.250	2.000	6.000	.750	1.500	.375	.125	1.495

*10 Series: Add 1.00" when using 1020 profile or 2.00" when using 1030 profile.
*15 Series: Add 1.50" when using 1530 / 1530-Lite profile or 3.00" when using 1545 profile.

** Brake Kit Ready Bearings are pre-drilled with brake holes, refer to page 527 for additional information.

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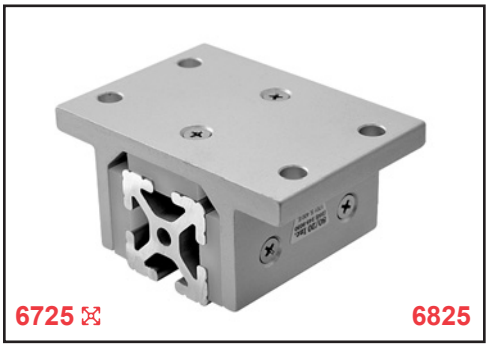
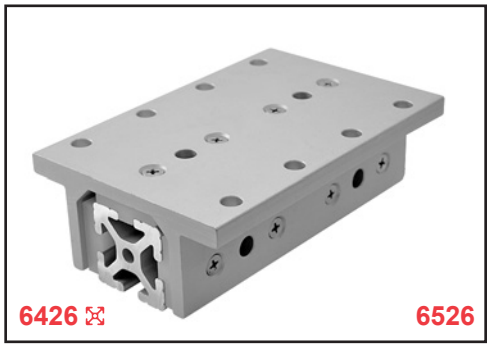
Double Flange Linear Bearings



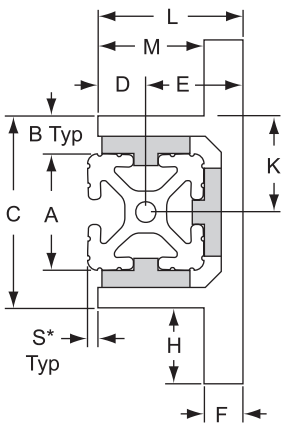
6725 ⊠ 6825

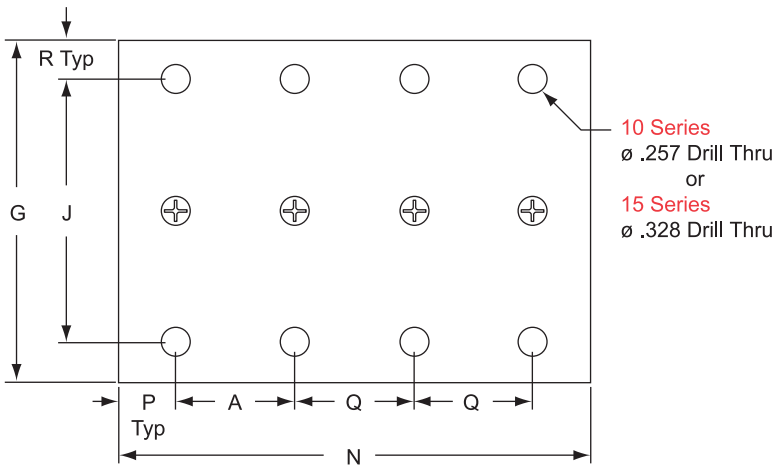


6426 ⊠ 6526

⊠ = 10 Series Compatible Part

- **Bearings include bearing pads, screws and shims**





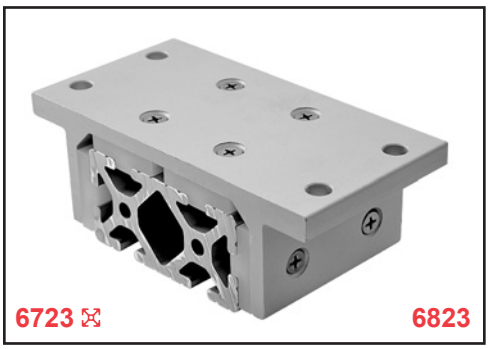
Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S*	Lbs.
6725 ⊠	1.000	.312	1.625	.406	.812	.312	2.937	.656	2.250	.812	1.218	.906	1.875	.438	—	.343	.094	.215
6425** ⊠	1.000	.312	1.625	.406	.812	.312	2.937	.656	2.250	.812	1.218	.906	1.875	.438	—	.343	.094	.215
6726 ⊠	1.000	.312	1.625	.406	.812	.312	2.937	.656	2.250	.812	1.218	.906	4.000	.500	1.000	.343	.094	.450
6426** ⊠	1.000	.312	1.625	.406	.812	.312	2.937	.656	2.250	.812	1.218	.906	4.000	.500	1.000	.343	.094	.450
6825	1.500	.500	2.500	.640	1.235	.375	4.000	.750	3.250	1.250	1.875	1.500	2.812	.656	—	.375	.125	.665
6525**	1.500	.500	2.500	.640	1.235	.375	4.000	.750	3.250	1.250	1.875	1.500	2.812	.656	—	.375	.125	.665
6826	1.500	.500	2.500	.640	1.235	.375	4.000	.750	3.250	1.250	1.875	1.500	6.000	.750	1.500	.375	.125	1.415
6526**	1.500	.500	2.500	.640	1.235	.375	4.000	.750	3.250	1.250	1.875	1.500	6.000	.750	1.500	.375	.125	1.415

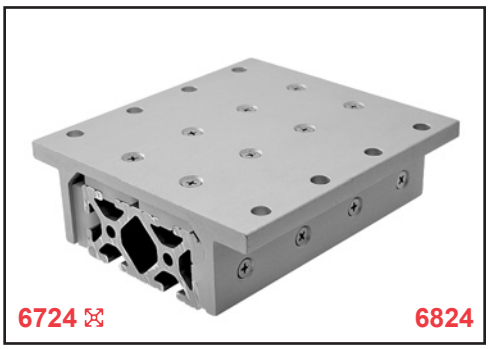
*10 Series: Add 1.00" when using 1020 profile or 2.00" when using 1030 profile.
*15 Series: Add 1.50" when using 1530 / 1530-Lite profile or 3.00" when using 1545 profile.

** Brake Kit Ready Bearings are pre-drilled with brake holes, refer to page 527 for additional information.

80/20® Inc.
The Industrial Erector Set®
THE STANDARD

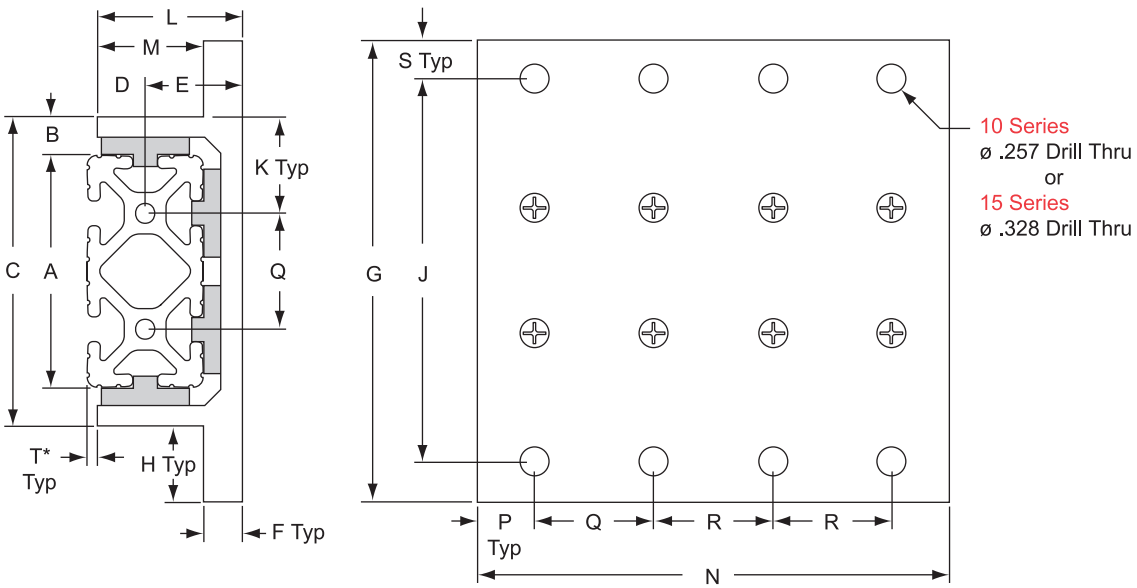
Double Flange Linear Bearings continued





⊠ = 10 Series Compatible Part

- **Bearings include bearing pads, screws and shims**



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T*	Lbs.
6723 ⊠	2.000	.312	2.630	.406	.812	.312	3.937	.656	3.250	.812	1.218	.906	1.875	.437	1.000	—	.343	.094	.250
6423** ⊠	2.000	.312	2.630	.406	.812	.312	3.937	.656	3.250	.812	1.218	.906	1.875	.437	1.000	—	.343	.094	.250
6724 ⊠	2.000	.312	2.630	.406	.812	.312	3.937	.656	3.250	.812	1.218	.906	4.000	.500	1.000	1.000	.343	.094	.525
6424** ⊠	2.000	.312	2.630	.406	.812	.312	3.937	.656	3.250	.812	1.218	.906	4.000	.500	1.000	1.000	.343	.094	.525
6823	3.000	.500	4.000	.640	1.235	.375	5.500	.750	4.750	1.250	1.875	1.500	2.812	.656	1.500	—	.375	.125	.810
6523**	3.000	.500	4.000	.640	1.235	.375	5.500	.750	4.750	1.250	1.875	1.500	2.812	.656	1.500	—	.375	.125	.810
6824	3.000	.500	4.000	.640	1.235	.375	5.500	.750	4.750	1.250	1.875	1.500	6.000	.750	1.500	1.500	.375	.125	1.705
6524**	3.000	.500	4.000	.640	1.235	.375	5.500	.750	4.750	1.250	1.875	1.500	6.000	.750	1.500	1.500	.375	.125	1.705

*10 Series: Add 1.00" when using 2020 profile or 3.00" when using 2040 profile.
*15 Series: Add 1.50" when using 3030 profile or 4.50" when using 3060 profile.

** Brake Kit Ready Bearings are pre-drilled with brake holes, refer to page 527 for additional information.

We specialize in FAST™ same day shipments!

High-Cycle Linear Bearings Introduction

15 Series High-Cycle Linear Bearings contain special threaded inserts in the bearing pads. These inserts allow for a more heavy-duty bearing, capable of withstanding high-cycles with sudden accelerations and decelerations. 80/20®'s standard bearings work well in almost all applications. However, if you have a rapid acceleration / deceleration, high-cycle application in mind, then 80/20's high-cycle bearings were made especially for you!

Use high-cycle bearings in applications such as actuators, parts transfers or pick-and-place operations. The high-cycle bearing is just another fine feature offered by 80/20 to add more versatility to your application.

High-Cycle Bearing Advantages

- Special threaded inserts specifically designed for sudden accelerations/decelerations
- Can be shimmed for a precise fit, like all 80/20 linear bearings
- You can design your own custom high-cycle bearing

80/20® Inc.
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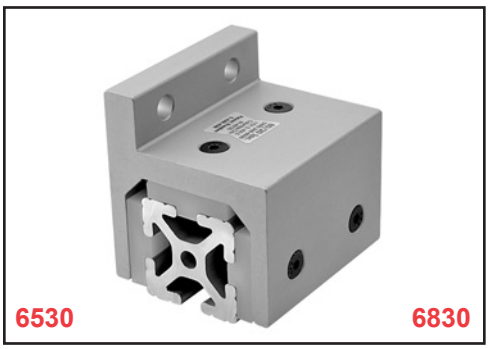
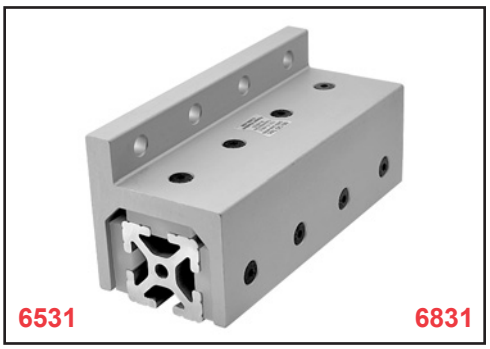
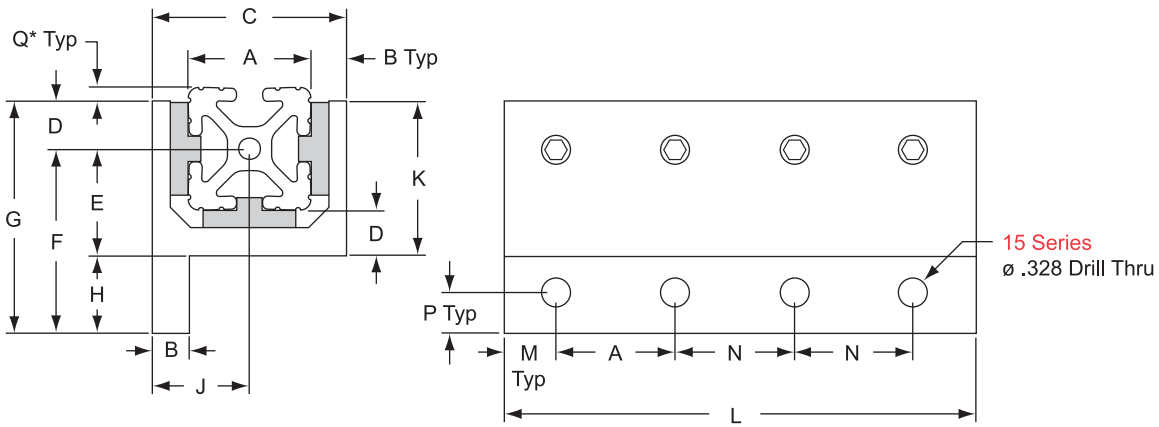
High-Cycle Single Flange Linear Bearings





- **Bearings include bearing pads, screws and shims**



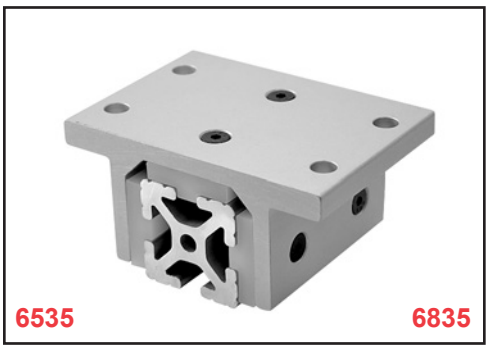
Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q*	Lbs.
6830	1.500	.500	2.500	.625	1.375	2.125	2.750	.750	1.250	2.000	2.812	.656	—	.375	.125	.700
6530**	1.500	.500	2.500	.625	1.375	2.125	2.750	.750	1.250	2.000	2.812	.656	—	.375	.125	.700
6831	1.500	.500	2.500	.625	1.375	2.125	2.750	.750	1.250	2.000	6.000	.750	1.500	.375	.125	1.495
6531**	1.500	.500	2.500	.625	1.375	2.125	2.750	.750	1.250	2.000	6.000	.750	1.500	.375	.125	1.495

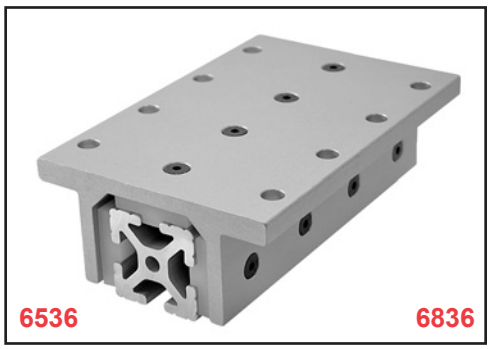
*15 Series: Add 1.50" when using 1530 / 1530-Lite profile or 3.00" when using 1545 profile.

** Brake Kit Ready Bearings are pre-drilled with brake holes, refer to page 527 for additional information.

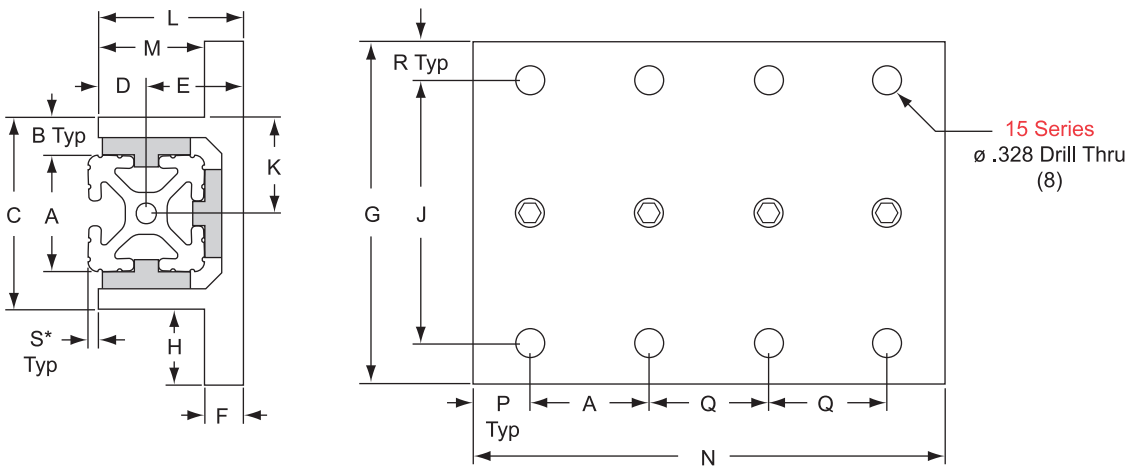
We specialize in FAST™ same day shipments!

High-Cycle Double Flange Linear Bearings





- **Bearings include bearing pads, screws and shims**

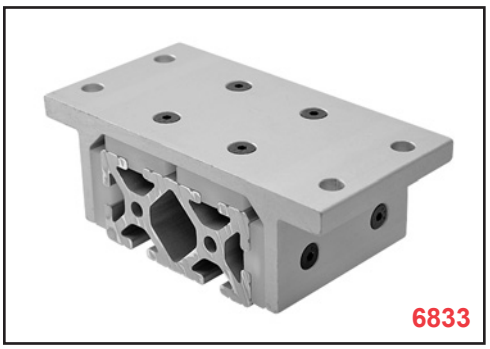


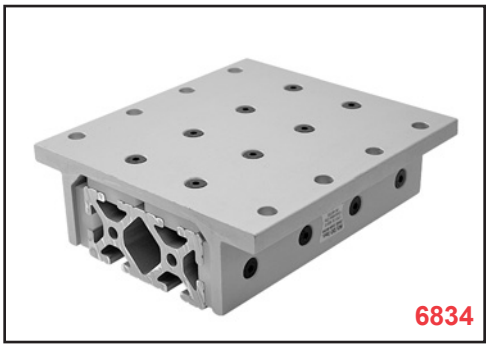
Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S*	Lbs.
6835	1.500	.500	2.500	.640	1.235	.375	4.000	.750	3.250	1.250	1.875	1.500	2.812	.656	—	.375	.125	.665
6535**	1.500	.500	2.500	.640	1.235	.375	4.000	.750	3.250	1.250	1.875	1.500	2.812	.656	—	.375	.125	.665
6836	1.500	.500	2.500	.640	1.235	.375	4.000	.750	3.250	1.250	1.875	1.500	6.000	.750	1.500	.375	.125	1.415
6536**	1.500	.500	2.500	.640	1.235	.375	4.000	.750	3.250	1.250	1.875	1.500	6.000	.750	1.500	.375	.125	1.415

*15 Series: Add 1.50" when using 1530 / 1530-Lite profile or 3.00" when using 1545 profile.

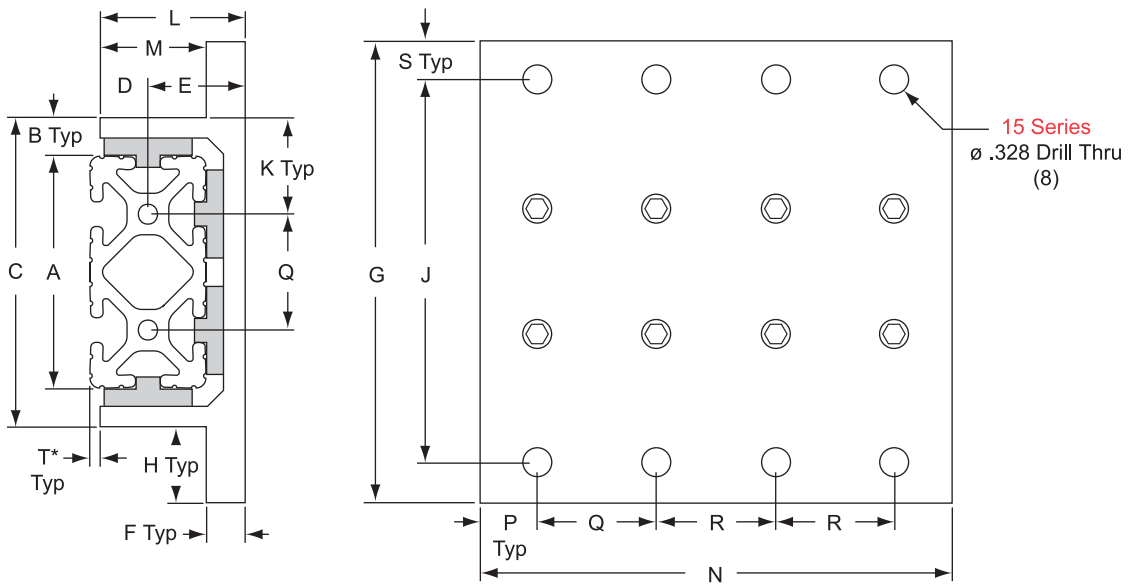
** Brake Kit Ready Bearings are pre-drilled with brake holes, refer to page 527 for additional information.

High-Cycle Double Flange Linear Bearings continued





- **Bearings include bearing pads, screws and shims**

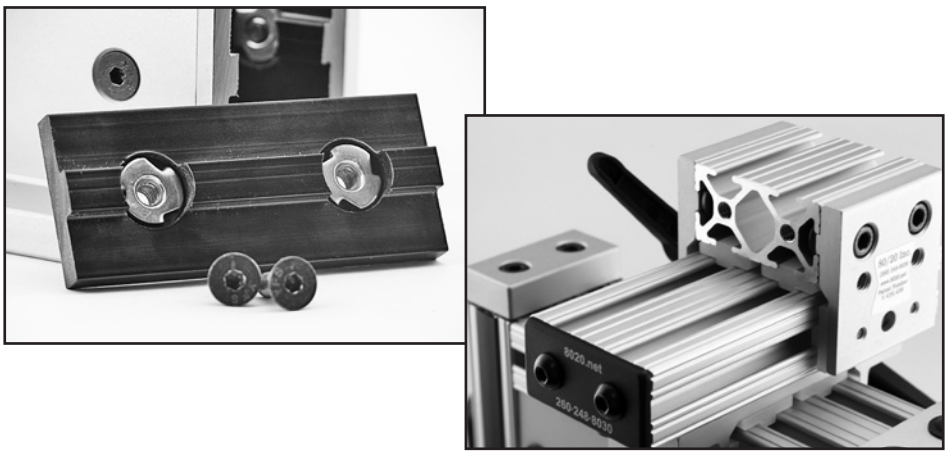


Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T*	Lbs.
6833	3.000	.500	4.000	.640	1.235	.375	5.500	.750	4.750	1.250	1.875	1.500	2.812	.656	1.500	—	.375	.125	.810
6533**	3.000	.500	4.000	.640	1.235	.375	5.500	.750	4.750	1.250	1.875	1.500	2.812	.656	1.500	—	.375	.125	.810
6834	3.000	.500	4.000	.640	1.235	.375	5.500	.750	4.750	1.250	1.875	1.500	6.000	.750	1.500	1.500	.375	.125	1.705
6534**	3.000	.500	4.000	.640	1.235	.375	5.500	.750	4.750	1.250	1.875	1.500	6.000	.750	1.500	1.500	.375	.125	1.705

*15 Series: Add 1.50" when using 3030 profile or 4.50" when using 3060 profile.

** Brake Kit Ready Bearings are pre-drilled with brake holes, refer to page 527 for additional information.

80/20® UniBearing™ Bearings



80/20 proudly includes the UniBearing™ family in its linear motion line. UniBearing™ bearings are universal, quickly setting all 80/20 profiles in motion. This concept answers a need to remove or install bearings quickly on a T-slotted structure without taking it apart. UniBearing™ bearings reduce downtime and retooling, increasing productivity, creativity and flexibility.

UniBearing™ bearings are unique because the pads are mounted using stainless steel flat-head socket cap screws. The screws secure the pad to the housing. This eliminates a need for high-cycle pads in the UniBearing™ family.

Most pads in the UniBearing™ family require the “double-keyed” pad, located on page 521. Apply these versatile pads to many applications outside the UniBearing™ family, too.

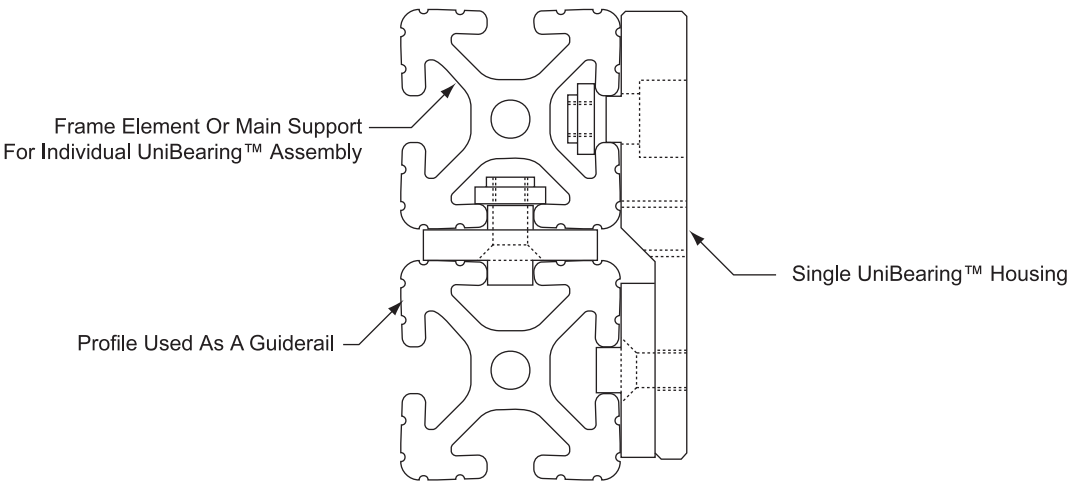
UniBearing™ Bearing Advantages

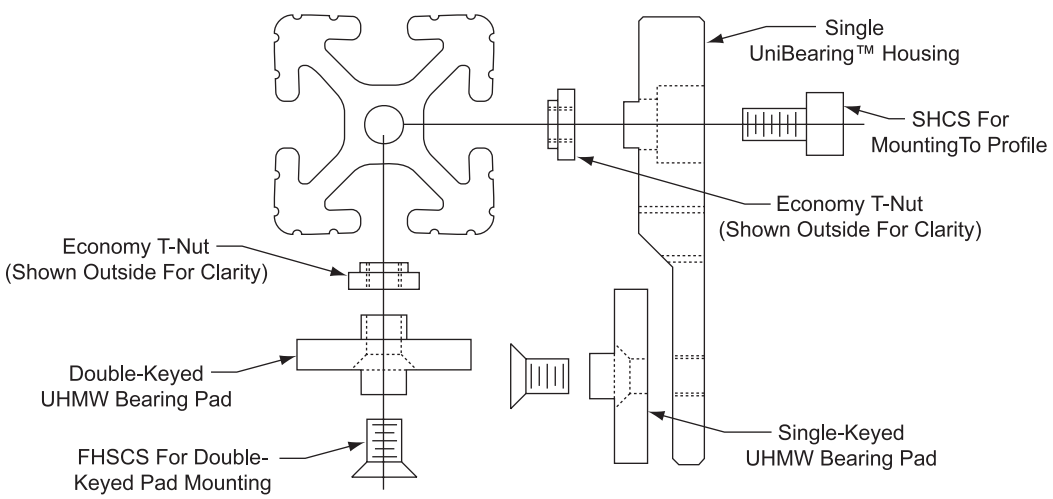
- The actual bearing itself can move, or the bearing can be fixed, allowing the guiderail (T-slotted profile) and any associated assembly to move
- All UniBearing™ bearings come with pre-drilled brake holes to accept our brake kits, page 526
- A set of tapped mounting holes are provided for mounting accessories to a flat surface

Single UniBearing™ Bearing Concept & Construction

Unibearings™ are available in both 10 and 15 Series, as sub-assemblies or complete, assembled units. All housings are extruded 6105-T5 aluminum with a clear anodize finish. All sub-assemblies include UHMW-PE pads secured with stainless steel FHSCS and mounting hardware (SHCS with economy T-nut), along with shim kits (see page 519). Consult page 513 for custom applications.

ORDERING NOTE: T-slotted profiles must be ordered separately when ordering UniBearing sub-assemblies (pages 510-511), but are included with UniBearing assemblies (page 512).





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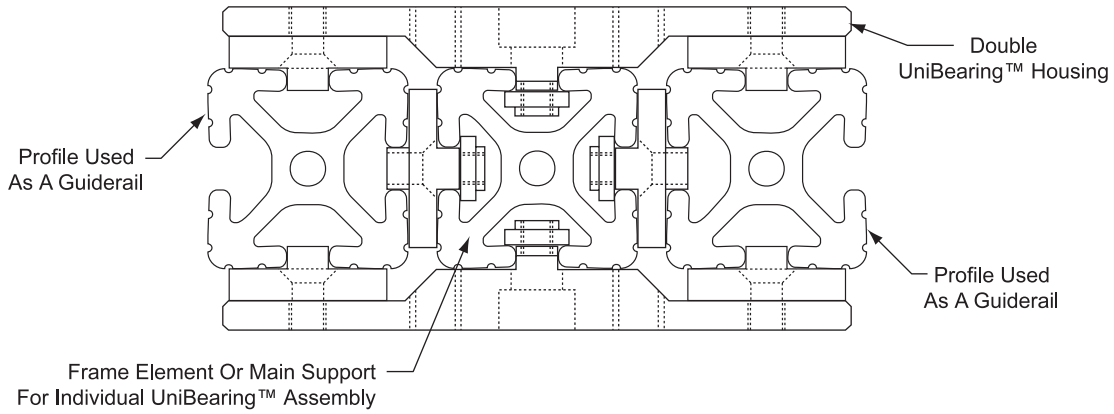
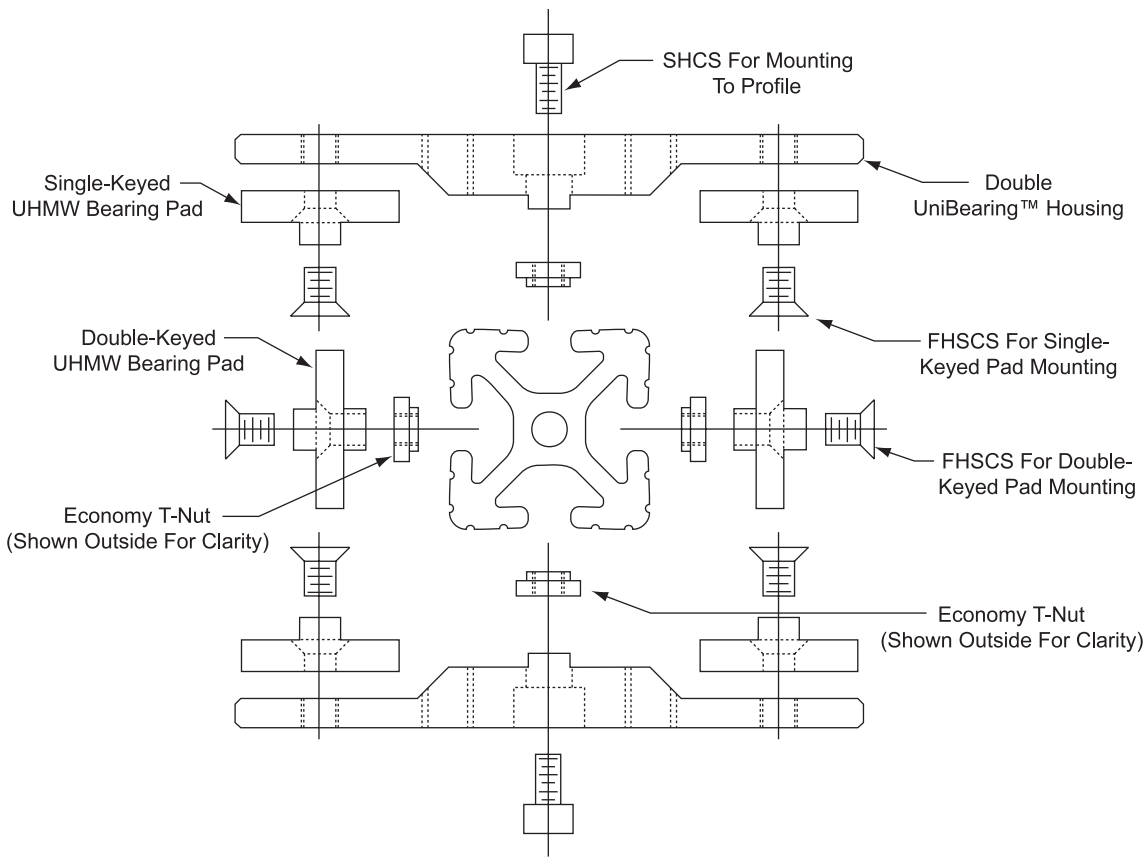
Double UniBearing™ Bearing Concept & Construction

The diagrams below illustrate how Double UniBearings™ are designed and assembled. These bearings are available in 10 and 15 Series, as sub-assemblies or complete, assembled units. All housings are extruded 6105-T5 aluminum with a clear anodize finish. All assembly and ordering tips are standard between single and double UniBearings™.





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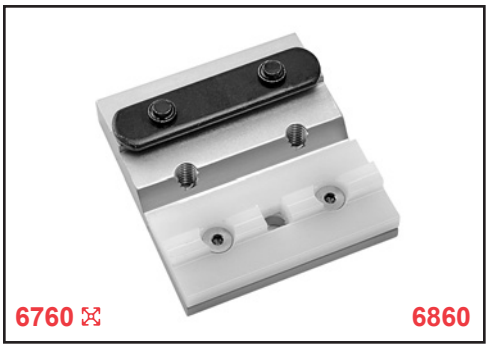
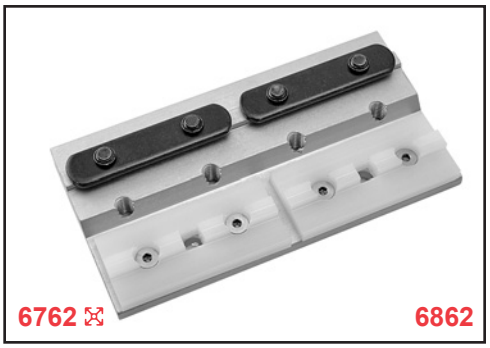
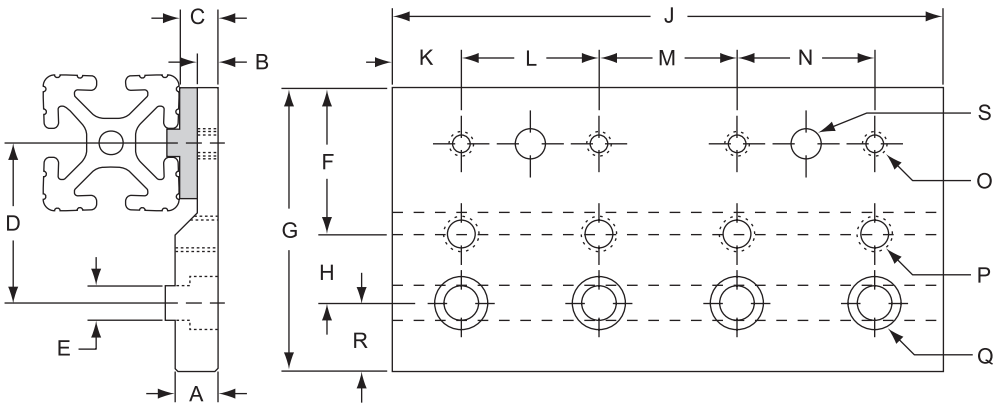
Single UniBearing™ Bearing







Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	R	Lbs.
6760 ⊠	.312	.152	.302	1.165	.250	1.062	2.062	.500	1.875	.437	1.000	—	—	.500	.130
6762 ⊠	.312	.152	.302	1.165	.250	1.062	2.062	.500	4.000	.500	1.000	1.000	1.000	.500	.270
6860	.500	.240	.480	1.760	.310	1.625	3.125	.750	2.812	.656	1.500	—	—	.750	.445
6862	.500	.240	.480	1.760	.310	1.625	3.125	.750	6.000	.750	1.500	1.500	1.500	.750	.930

⊠ = 10 Series Compatible Part

Typical Machining:

O = 10 Series Drill & Tap for #8-32
15 Series Drill & Tap for #10-24

P = 10 Series Drill & Tap Thru 1/4-20 (Accessory Mount)
15 Series Drill & Tap Thru 5/16-18 (Accessory Mount)

Q = 10 Series Drill & Counterbore for Included Hardware
(PN: 3058 - 1/4-20 x .375" SHCS and PN: 3280 - 1/4-20 Double Economy T-Nut)
15 Series Drill & Counterbore for Included Hardware
(PN: 3110 - 5/16-18 x .625" SHCS and PN: 3279 - 5/16-18 Double Economy T-Nut)

S = 10 Series .265 Brake Hole Typ. (Refer to Page 526 for Brakes)
15 Series .328 Brake Hole Typ. (Refer to Page 526 for Brakes)

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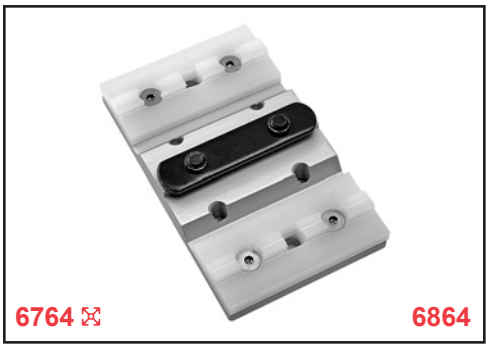
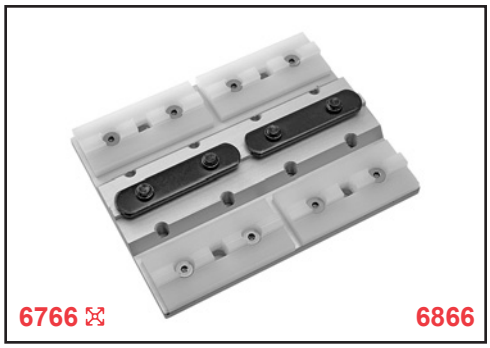
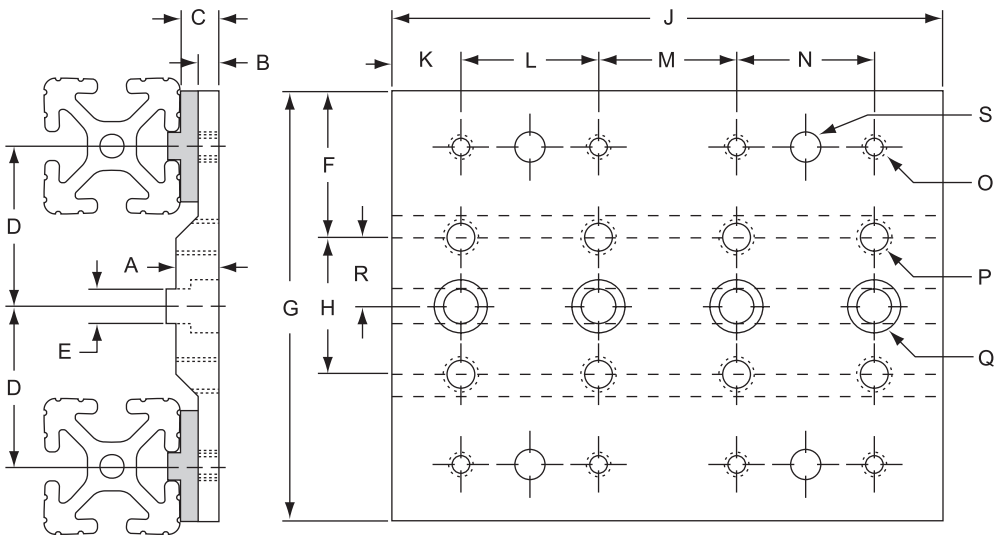
Double UniBearing™ Bearing



6764 ⊠ 6864



6766 ⊠ 6866



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	R	Lbs.
6764 ⊠	.312	.152	.302	1.165	.250	1.062	3.125	.500	1.875	.437	1.000	—	—	1.000	.165
6766 ⊠	.312	.152	.302	1.165	.250	1.062	3.125	.500	4.000	.500	1.000	1.000	1.000	1.000	.350
6864	.500	.240	.480	1.760	.310	1.625	4.750	.750	2.812	.656	1.500	—	—	1.500	.580
6866	.500	.240	.480	1.760	.310	1.625	4.750	.750	6.000	.750	1.500	1.500	1.500	1.500	1.225

⊠ = 10 Series Compatible Part

Typical Machining:

O = 10 Series Drill & Tap for #8-32
15 Series Drill & Tap for #10-24

P = 10 Series Drill & Tap Thru 1/4-20 (Accessory Mount)
15 Series Drill & Tap Thru 5/16-18 (Accessory Mount)

Q = 10 Series Drill & Counterbore for Included Hardware
(PN: 3058 - 1/4-20 x .375" SHCS and PN: 3280 - 1/4-20 Double Economy T-Nut)
15 Series Drill & Counterbore for Included Hardware
(PN: 3110 - 5/16-18 x .625" SHCS and PN: 3279 - 5/16-18 Double Economy T-Nut)

S = 10 Series .265 Brake Hole Typ. (Refer to Page 526 for Brakes)
15 Series .328 Brake Hole Typ. (Refer to Page 526 for Brakes)

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UniBearing™ Bearing Assemblies

- **UniBearing™ subassemblies are pre-mounted onto a T-slotted aluminum profile**
- **Pre-tapped holes included in the profile ends as well as in housing for accessory mounting**
- **Shim kits are included; refer to pages 510-511 for individual components**

Short Single Assembly

Short Double Assembly

Long Single Assembly

Long Double Assembly

Part No.	Type	Mounted Profile	Profile Length	Lbs.
6730 ⊠	Single	1010	Short 1.870"	.415
6731 ⊠	Single	1020	Short 1.870"	.680
6732 ⊠	Single	1010	Long 4.000"	.770
6733 ⊠	Single	1020	Long 4.000"	.780
6734 ⊠	Double	1010	Short 1.870"	.470
6735 ⊠	Double	1020	Short 1.870"	.550
6736 ⊠	Double	1010	Long 4.000"	1.085
6737 ⊠	Double	1020	Long 4.000"	1.110
6870	Single	1515	Short 2.820"	.780
6871	Single	1530	Short 2.820"	1.595
6872	Single	1545	Short 2.820"	1.900
6873	Single	1515	Long 6.000"	2.595
6874	Single	1530	Long 6.000"	3.205
6875	Single	1545	Long 6.000"	4.245
6876	Double	1515	Short 2.820"	1.575
6877	Double	1530	Short 2.820"	1.895
6878	Double	1545	Short 2.820"	2.200
6879	Double	1515	Long 6.000"	3.225
6883	Double	1530	Long 6.000"	3.835
6884	Double	1545	Long 6.000"	4.405

⊠ = 10 Series Compatible Part

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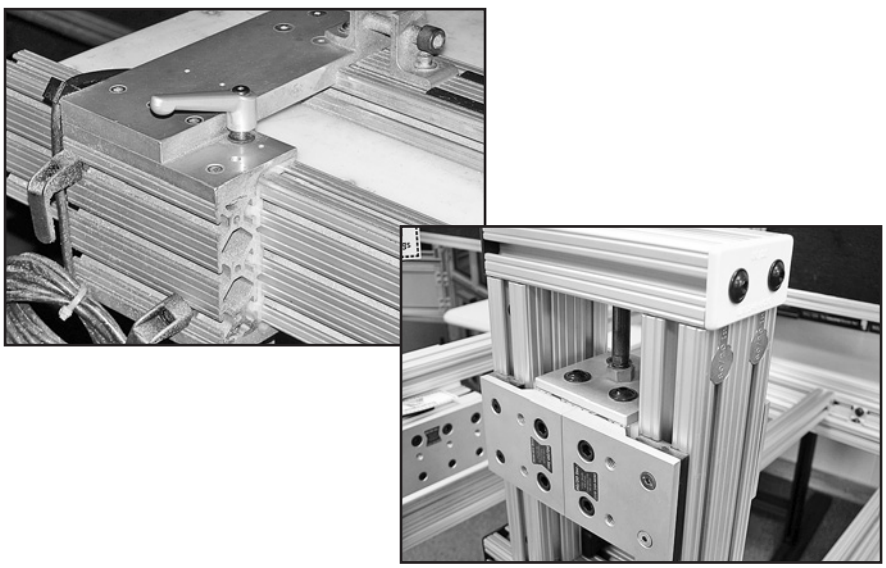
Custom Linear Bearings

- **Reference information for standard and custom bearing pads on pages 516-522**

  How to Specify

  1. **Select a bearing housing.**
  2. **Produce a sketch or drawing showing overall length, mounting hole diameter and location, and any additional machining desired.**
  3. **Note how many bearing pads and the location for each.**
  4. **We will provide you with a prompt quotation.**
- **See pages 563 for cut-to-length machining, and pages 526-527 for brake kit services**
- **See pages 514-515 for bearing profile dimensions**



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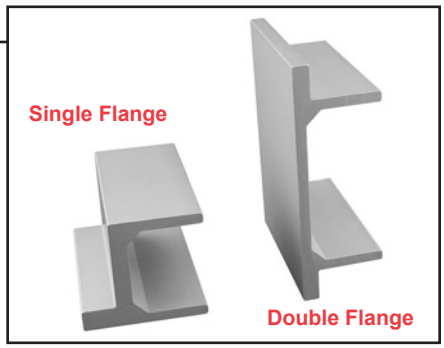
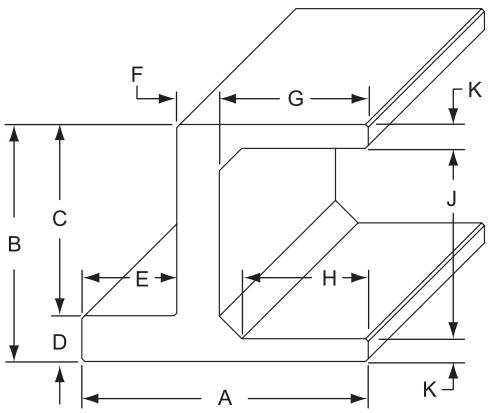
Single & Double Flange Bearing Profiles

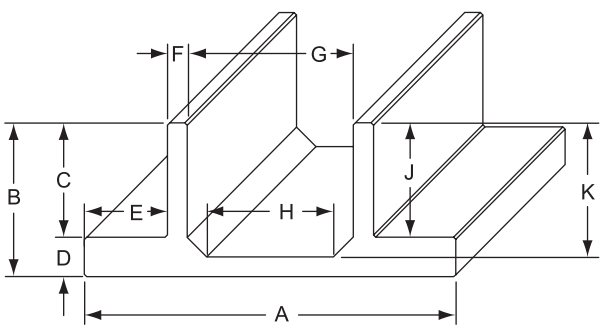
- **Stock length: 145” mill-finish (unanodized) material unless noted**
- **Maximum length for anodized material is 120”**



⊠ = 10 Series Compatible Part



Single Flange Part No.												Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	J	K	Part No.	Lbs. / Ft.
8520 ⊠	8521 ⊠	1.968	1.625	1.313	.312	.656	.250	1.062	.906	1.312	.156	7212	1.158
8530	8531	2.750	2.500	2.000	.500	.750	.375	1.625	1.312	2.000	.250	7212	2.664



Double Flange Part No.												Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	J	K	Part No.	Lbs. / Ft.
8525 ⊠	8526 ⊠	2.936	1.218	.906	.312	.656	.156	1.312	1.000	.906	1.062	7212	1.218
8527 ⊠	8528 ⊠	3.936	1.218	.906	.312	.656	.156	2.320	2.008	.906	1.062	7224	1.406
8535	8536	4.000	1.875	1.500	.375	.750	.250	2.000	1.375	1.313	1.625	7224	2.518
8540	8541	5.500	1.875	1.500	.375	.750	.250	3.500	2.876	1.313	1.625	7224	2.966

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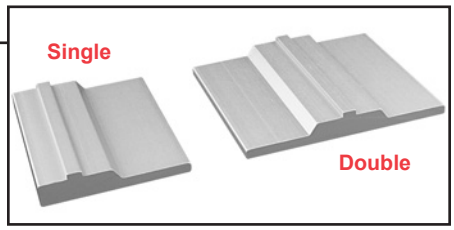
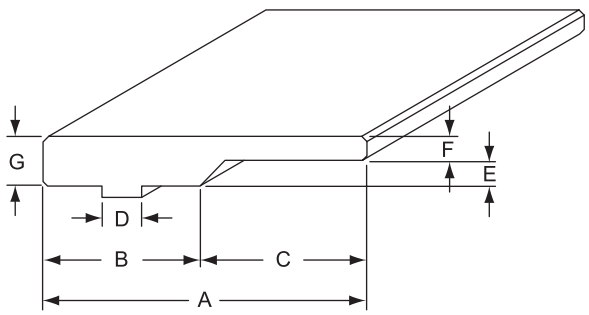
Single & Double UniBearing™ Bearing Profiles

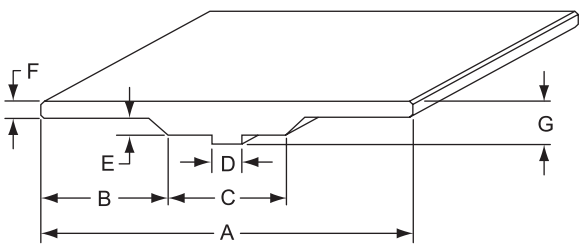
- **Stock length: 145” mill-finish (unanodized) material unless noted**
- **Maximum length for anodized material is 120”**



⌘ = 10 Series Compatible Part



Single Part No.									Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	Part No.	Lbs. / Ft.
8580 ⌘	8581 ⌘	2.063	1.000	1.063	.250	.156	.156	.375	7212	.586
8582	8583	3.125	1.500	1.625	.312	.260	.245	.625	7212	.971



Double Part No.									Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	Part No.	Lbs. / Ft.
8584 ⌘	8585 ⌘	3.125	1.063	1.000	.250	.156	.156	.375	7212	.776
8586	8587	4.750	1.625	1.500	.312	.260	.245	.625	7224	1.888

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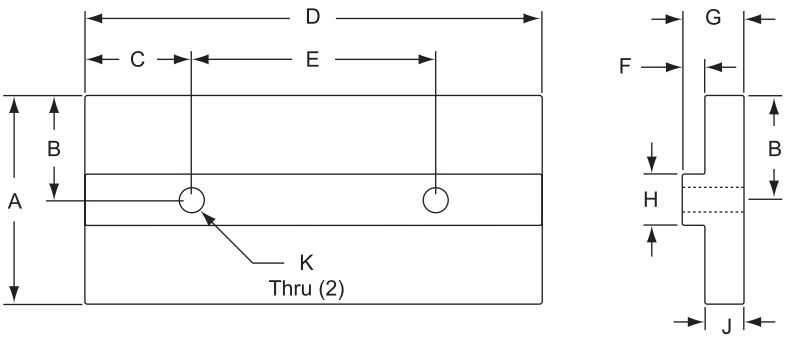
Standard Bearing Pads

- **High strength pads offer a low coefficient of friction**
- **These UHMW-PE bearing pads are simple to install and replace**
- **Available in custom lengths up to 145" – refer to page 522 for more information**

NOW MOLDED



Recommended Mounting Hardware (Mount to Bearing Profile)

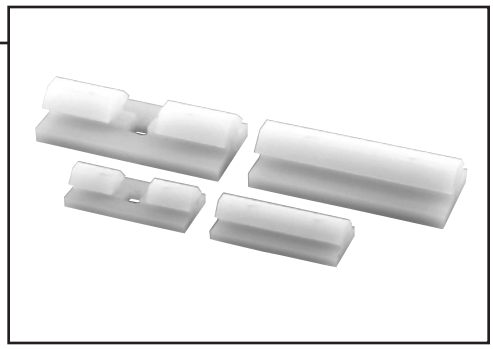
Part No.	Qty	Description
3625 ⊠	2	#8 x 3/8 Pad Screw
3628	2	#10 x 5/8 Pad Screw

Part No.	Brake Ready	Pad Color	A	B	C	D	E	F	G	H	J	K	Lbs.
6790 ⊠	No	White	.812	.406	.432	1.865	1.000	.103	.250	.243 ± .003	.147 ± .003	.109	.010
6791 ⊠	No	Black	.812	.406	.432	1.865	1.000	.103	.250	.243 ± .003	.147 ± .003	.109	.010
6490 ⊠	Yes	White	.812	.406	.432	1.865	1.000	.103	.250	.243 ± .003	.147 ± .003	.109	.010
6491 ⊠	Yes	Black	.812	.406	.432	1.865	1.000	.103	.250	.243 ± .003	.147 ± .003	.109	.010
6890	No	White	1.250	.625	.650	2.800	1.500	.135	.375	.309 ± .003	.240 ± .003	.125	.030
6891	No	Black	1.250	.625	.650	2.800	1.500	.135	.375	.309 ± .003	.240 ± .003	.125	.030
6590	Yes	White	1.250	.625	.650	2.800	1.500	.135	.375	.309 ± .003	.240 ± .003	.125	.030
6591	Yes	Black	1.250	.625	.650	2.800	1.500	.135	.375	.309 ± .003	.240 ± .003	.125	.030

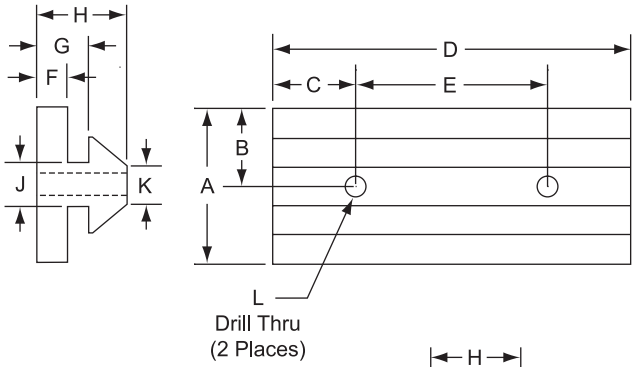
⊠ = 10 Series Compatible Part

Top-Mount Bearing Pads

- **An alternative to the standard bearing pad**
- **Pad rides captive inside the T-slot**
- **10 and 15 Series compatible**
- **Available with or without brake hole**
- **Made from UHMW-PE, white only**



6797
6897



6798
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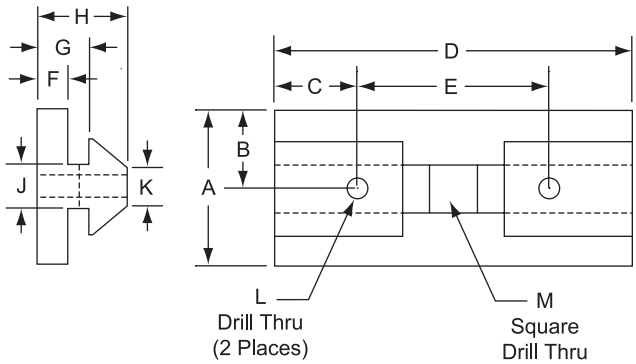

Recommended Mounting Hardware (Mount to Bearing Profile)

Part No.	Qty	Description
3625 ⊠	2	#8 x 3/8 Pad Screw
3628	2	#10 x 5/8 Pad Screw

Part No.	A	B	C	D	E	F	G	H	J	K	L Ø	M	N	Lbs.
6797 ⊠	.812	.406	.432	1.865	1.000	.160	.270	.470	.230	.200	.109	-	-	.012
6798 ⊠ *	.812	.406	.432	1.865	1.000	.160	.270	.470	.230	.200	.109	.250	.530	.012
6897	1.250	.625	.656	2.800	1.500	.240	.420	.700	.300	.270	.125	-	-	.035
6898 *	1.250	.625	.656	2.800	1.500	.240	.420	.700	.300	.270	.125	.312	.750	.035

⊠ = 10 Series Compatible Part

* With Brake Hole

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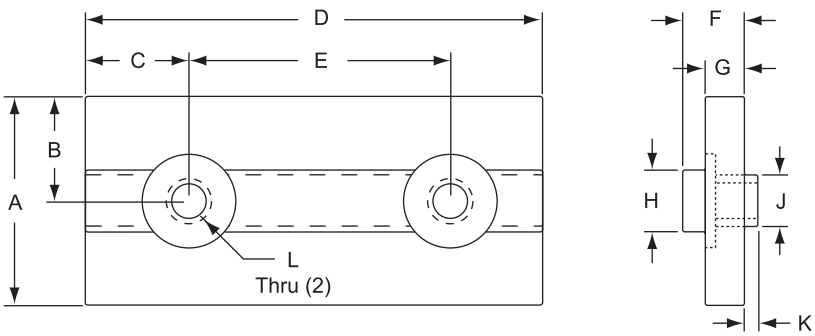
High-Cycle Bearing Pads

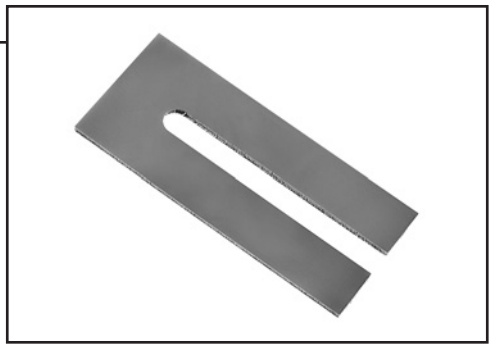
- **High strength pads are ideal for quick acceleration / deceleration applications**
- **These UHMW-PE bearing pads are simple to install and replace**
- **Nutserts included. Part No. 3022 (2) required for attaching to bearing profile**

NOW MOLDED

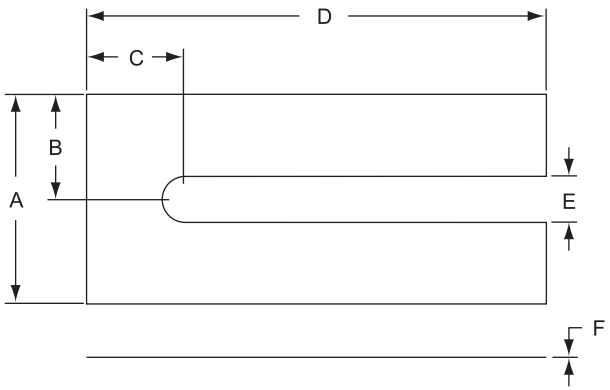


Part No.	Brake Ready	Pad Color	A	B	C	D	E	F	G	H	J	K	L	Lbs.
6895	No	White	1.250	.625	.650	2.800	1.500	.375	.240 ± .003	.309 ± .003	.250	.060	10-32	.030
6896	No	Black	1.250	.625	.650	2.800	1.500	.375	.240 ± .003	.309 ± .003	.250	.060	10-32	.030
6595	Yes	White	1.250	.625	.650	2.800	1.500	.375	.240 ± .003	.309 ± .003	.250	.060	10-32	.030
6596	Yes	Black	1.250	.625	.650	2.800	1.500	.375	.240 ± .003	.309 ± .003	.250	.060	10-32	.030

Linear Bearing Shim Stock



- **Shim bearing pads for a more precise fit**
- **Shim thickness is .005”**
- **Slotted to ease installation**
- **Simply loosen bearing pad and slide shims between pad and housing**
- **Sold in packages of 10**
- **Shims work with all 80/20 bearings**



Part No.	A	B	C	D	E	F	Lbs.
6780 ⌧	.812	.406	.375	1.875	.175	.005	.002
6881*	1.250	.625	.656	2.812	.250	.005	.005

⌧ = 10 Series Compatible Part

*The 15 series standard shim is also compatible with high-cycle linear bearings and UniBearing™ Bearings.

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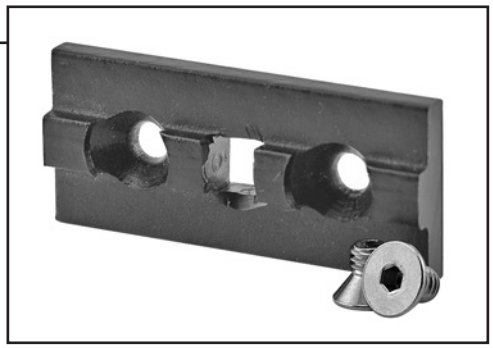
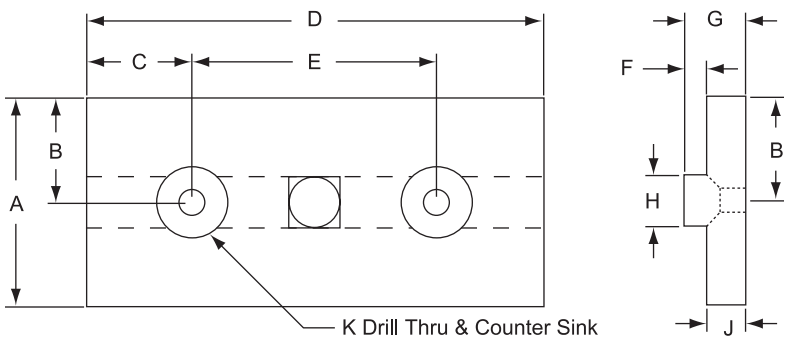
UniBearing™ Bearing Pads

- **High-strength pads offer a low coefficient of friction**
- **These UHMW-PE bearing pads are simple to install and replace**
- **Available in custom lengths up to 145" – refer to page 522 for more information**

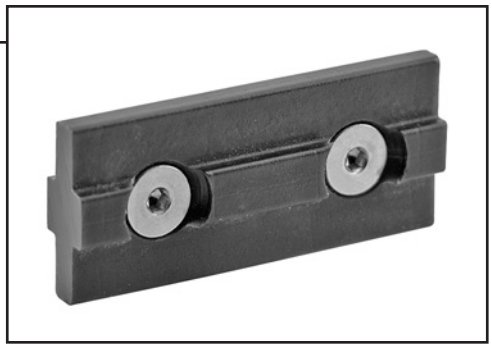




Part No.	Color	A	B	C	D	E	F	G	H	J	K	Lbs.
6705 ⊠	White	.812	.406	.432	1.865	1.000	.103	.250	.243 ± .003	.147 ± .003	#8-32	.010
6706 ⊠	Black	.812	.406	.432	1.865	1.000	.103	.250	.243 ± .003	.147 ± .003	#8-32	.010
6814	White	1.250	.625	.650	2.800	1.500	.135	.375	.309 ± .003	.240 ± .003	#10-24	.030
6817	Black	1.250	.625	.650	2.800	1.500	.135	.375	.309 ± .003	.240 ± .003	#10-24	.030

⊠ = 10 Series Compatible Part

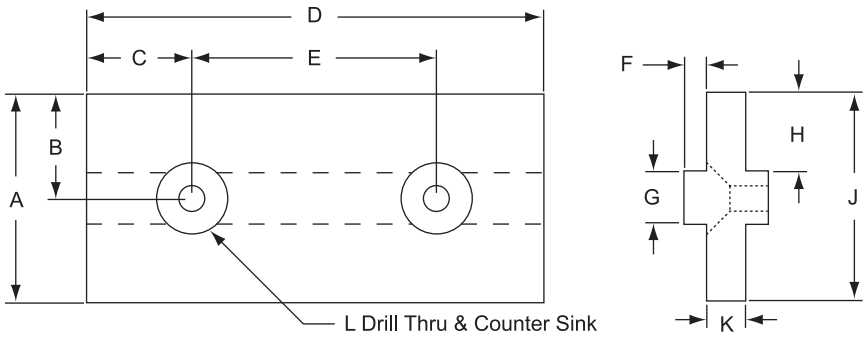
Double-Keyed UniBearing™ Bearing Pads



- **High-strength pads offer a low coefficient of friction**
- **These UHMW-PE bearing pads are simple to install and replace**
- **All mounting hardware included –**

  10 Series - (1) 8-32 Double Econ T-Nut
  (2) 8-32 x 3/8" SS FHSCS
  15 Series - (1) 1/4-20 Double Econ T-Nut
  (2) 1/4-20 x 5/8" SS FHSCS

- **Available in custom lengths up to 145" – refer to page 522 for more information**



Part No.	Color	A	B	C	D	E	F	G	H	J	K	L	Lbs.
6792 ⌘	White	.812	.406	.432	1.865	1.000	.075	.244	.280	.810	.146	#8-32	.010
6793 ⌘	Black	.812	.406	.432	1.865	1.000	.075	.244	.280	.810	.146	#8-32	.010
6892	White	1.250	.625	.650	2.800	1.500	.120	.308	.470	1.250	.238	1/4-20	.030
6893	Black	1.250	.625	.650	2.800	1.500	.120	.308	.470	1.250	.238	1/4-20	.030

⌘ = 10 Series Compatible Part

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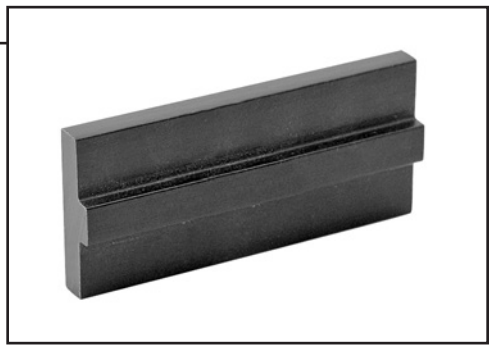
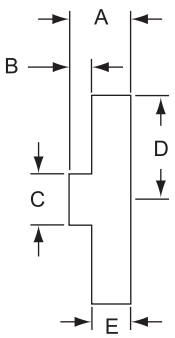
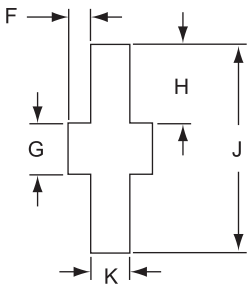
Custom Bearing Pad Profiles

- **High-strength pads offer a low coefficient of friction**
- **These UHMW-PE bearing pads are simple to machine and customize**
- **Black and white profiles are available in lengths up to 145”**
- **Refer to page 563 for cut-to-length services**





Single-Keyed



Double-Keyed

Part No.	Type	Color	A	B	C	D	E	F	G	H	J	K	Lbs. / Ft.
6700 ⊠	Single-Keyed	White	.250	.103	.243	.406	.147	–	–	–	–	–	.040
6701 ⊠	Single-Keyed	Black	.250	.103	.243	.406	.147	–	–	–	–	–	.040
6810	Single-Keyed	White	.375	.135	.309	.625	.240	–	–	–	–	–	.120
6811	Single-Keyed	Black	.375	.135	.309	.625	.240	–	–	–	–	–	.120
6702 ⊠	Double-Keyed	White	–	–	–	–	–	.075	.244	.284	.812	.146	.040
6703 ⊠	Double-Keyed	Black	–	–	–	–	–	.075	.244	.284	.812	.146	.040
6812	Double-Keyed	White	–	–	–	–	–	.120	.308	.470	1.250	.238	.120
6813	Double-Keyed	Black	–	–	–	–	–	.120	.308	.470	1.250	.238	.120

⊠ = 10 Series Compatible Part

Engineering Specifications on UHMW-PE Bearing Pads

Property	Test Method	Unit	Typical Value
Specific Gravity	ASTM D-792	g/cm3	0.94
Yield Strength @ 73°F	ASTM D-638	p.s.i.	3400
Ultimate Tensile Strength @ 73°F	ASTM D-638	p.s.i.	6800
Break Elongation @ 73°F	ASTM D-638	%	450
Yield Strength @ 250°F	Stress Strain Diagram	p.s.i.	700
Ultimate Tensile Strength @ 250°F	Stress Strain Diagram	p.s.i.	3300
Break Elongation @ 250°F	Stress Strain Diagram	%	900
Hardness - Rockwell "R" Scale	ASTM D-785	-	64
- Shore "D" Scale	ASTM D-2240	-	67
Flexural Modulus of Elasticity	Bend Creep/1 min. value	p.s.i.	110,000
Shear Strength	ASTM D-732	p.s.i.	3500
Izod Impact @ + 23°C	ASTM D-256A	ft-lbs/in. notch	No break
@ - 140° C	ASTM D-256A	ft-lbs/in. notch	No break
Environmental Stress Cracking @ F50	ASTM D-1693 Mod	hrs.	6000
Water Absorption	ASTM D-570	-	NIL

Abrasive Resistance - Sand Slurry Test

WEARS LIKE A PIG'S NOSE!

- **Each material listed below was rotated 24 hours @ 1750 r.p.m.**
- **Carbon Steel = abrasive rating of 100.**
- **The weight loss for each material is relative to 100.**
- **The lower the figure, the better the abrasive resistance.**
- **50-50 sand/water slurry.**

UHMW-PE 15
TFE 72
Polycarbonate 96
Normal MW polyethylene 125
Phenolic laminate 571

Nylon 31
Stainless steel 84
Polyacetal 110
Phosphor bronze 193
Hickory wood 967

High MW polyethylene 44
Polypropylene 87
TFE/glass fiber 113
Yellow brass 409
Hi carbon steel 100

Coefficient Of Friction

UHMW-PE polymer has a lower coefficient of friction than glass. Its self-lubricating characteristics make it an ideal material for bearings, bushings, valves, wear strips, or any application where sliding contact is encountered.

Materials	Static	Kinetic	Test Method
Aluminum* vs. UHMW-PE	0.12	0.016	ASTM D-1894
Mild Steel vs. Mild Steel	0.30 - 0.40	0.25 - 0.35	
Mild Steel vs. UHMW-PE	0.15 - 0.20	0.12 - 0.20	
UHMW-PE vs. UHMW-PE	0.20 - 0.30	0.20 - 0.30	

*Anodized 204 R1 Spec on extruded aluminum

Comparison of Dynamic Coefficient of Friction on Polished Steel

Property	UHMW-PE
Dry	0.10 - 0.22
Water	0.05 - 0.10
Oil	0.05 - 0.08

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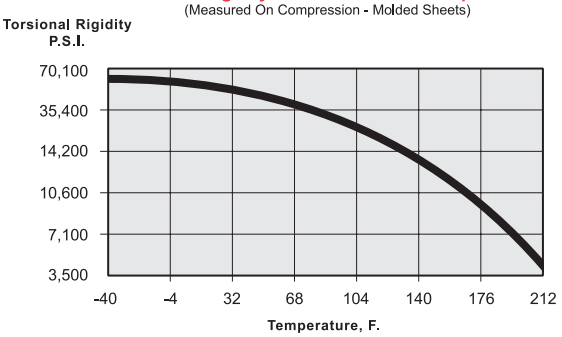
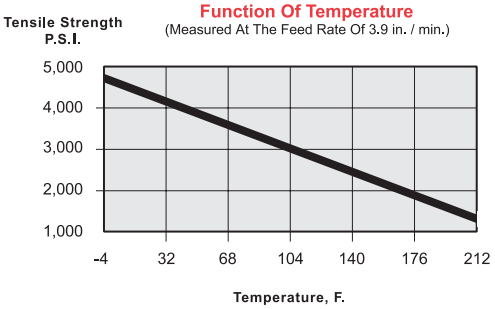
Load Bearing Properties of UHMW-PE

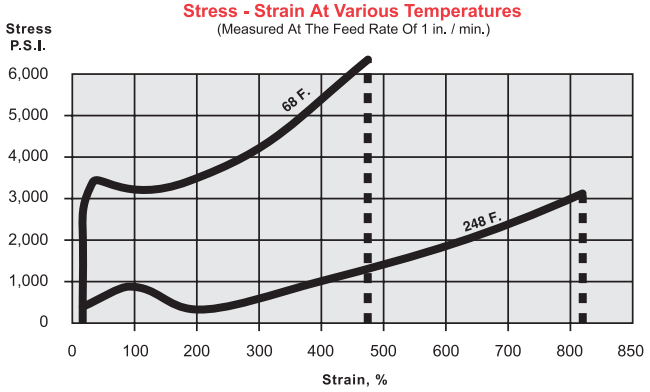
Torsional Rigidity As A Function Of Temperature
(Measured On Compression - Molded Sheets)



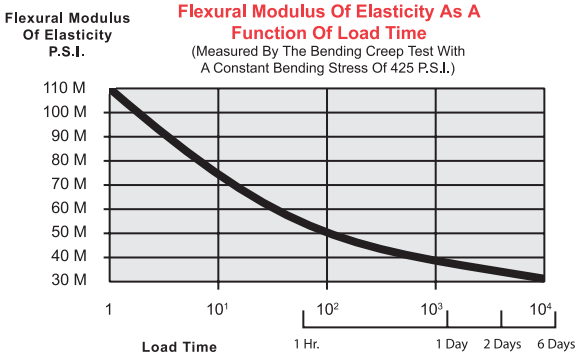
Tensile Strength At The Yield Point As A Function Of Temperature
(Measured At The Feed Rate Of 3.9 in. / min.)



Stress - Strain At Various Temperatures
(Measured At The Feed Rate Of 1 in. / min.)



Flexural Modulus Of Elasticity As A Function Of Load Time
(Measured By The Bending Creep Test With A Constant Bending Stress Of 425 P.S.I.)



We specialize in FAST™ same day shipments!

Chemical Resistance of UHMW-PE

TEST SPECIMENS	Dumb-bell type
DURATION OF TEST	30 Days
+ = RESISTANT	Mechanical properties not appreciably affected
/ = LIMITED RESISTANT	Decreases in yield stress and ultimate tensile strength less than 20%
- = NOT RESISTANT	Decreases in yield stress and ultimate tensile strength greater than 20%

Reagent	Temperatures		
	20°C	50°C	80°C
I. Inorganic acids			
Chromic acid (80%)	+	+	/
Hydrychloric acid (conc.)	+	+	+
Hydrocyanic acid	+	+	
Hydrofluoric acid	-	-	-
Nitric acid (conc.)	/	-	
Nitric acid (50%)	+	+	/
Nitric acid (20%)	+	+	+
Phosphoric acid (85%)	+	-	-
Sulphuric acid (conc.)	+	-	-
Sulphuric acid (50%)	+	+	+
II. Alkalis			
Aqueous ammonia	+	+	
Potassium hydroxide solution	+	+	+
Sodium hydroxide solution	+	+	+
III. Aqueous solutions of inorganic salts			
Aluminum chloride	+	+	+
Ammonium nitrate	+	+	+
Bleaching powder	+	+	+
Calcium chloride	+	+	+
Sodium carbonate	+	+	+
Sodium chloride	+	+	+
Sodium hypochlorite	+	+	+
Zinc chloride	+	+	+
IV. Organic acids			
Acetic acid (99%)	+	+	/
Acetic acid (10%)	+	+	+
Butyric acid	+	+	
Citric acid	+	+	+
Formic acid	+	+	
Oleic acid	+	+	/

Reagent	Temperatures		
	20°C	50°C	80°C
V. Hydrocarbons and halogenated hydrocarbons			
Benzene	/	/	
Carbon tetrachloride	/		
Cyclohexane	+	+	
Dichloroethylene	-	-	
Diesel oil	+	+	/
n-Heptane	+	+	
Petroleum ether	+		
Trichloroethylene	/	-	
Toluene	/	-	
White spirit	+	/	
Xylene	/	/	-
VI. Alcohols, Ketones, Ester, and Amines			
Acetone	+	+	
Aniline	+	+	/
Benzyl alcohol	+	+	+
Butyl alcohol	+	+	+
Cyclohexanol	+	+	+
Ethanol	+	+	
Ethyl acetate	+	+	
Ethylene glycol	+	+	+
Glycerine	+	+	+
Lauryl alcohol	+	+	+
Propyl alcohol	+	+	+
VII. Miscellaneous			
Beer	+	+	+
Detergents in aqueous solution	+	+	+
Distilled water	+	+	+
Hydrogen peroxide 30% (perhydrol)	+	+	
Linseed oil	+	+	+
Milk	+	+	+
Olive oil	+	+	+
Sea water	+	+	+
Wine	+	+	+

Because we cannot anticipate or control the many different conditions under which our products may be used, the product information contained in this catalog should be viewed as general guidelines only and not as a recommendation to use our products in any particular situation. Although we believe that all information contained herein is reliable, certain information in this catalog may have been obtained from test results published by other parties, and consequently, we cannot guarantee the accuracy of all information contained in this catalog. In addition, particular conditions of use and reasonable lot-to-lot variations can affect performance. Users of our products should perform their own tests to determine the suitability of any product for their particular purposes.

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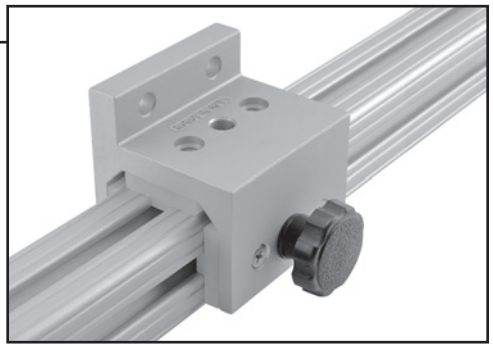
Linear Bearing Brake Kits

- **Adds an adjustable stop to any bearing**
- **Secures gliding profiles into semi-permanent positions**
- **Secure lockdown capability for safety**
- **Refer to page 527 for required machining**

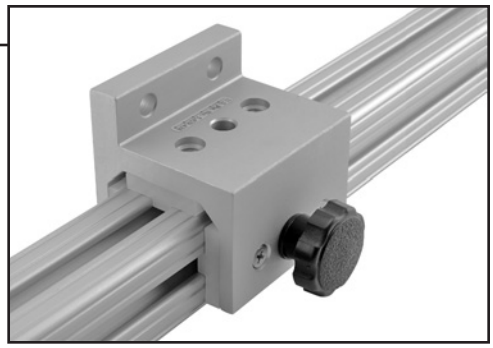


Part No.	Type	Color	Lbs.
6850 ⌘	L - Handle	Black	.054
6851 ⌘	Hex Nut	Black	.065
6852 ⌘	Wing Nut	Bright	.075
6800	L - Handle	Gray	.337
6805	L - Handle	Blue	.337
6806	L - Handle	Red	.337
6807	L - Handle	Yellow	.337
6801	T - Handle	Black	.100
6802	Star Handle	Black	.111
6803	Hex Nut	Black	.075
6804	Wing Nut	Bright	.085

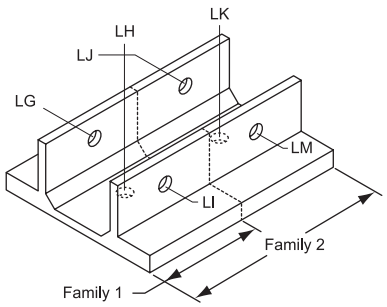
⌘ = 10 Series Compatible Part

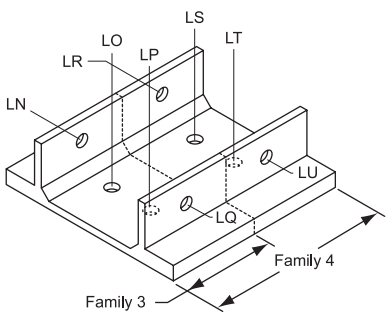
Linear Bearing Brake Holes

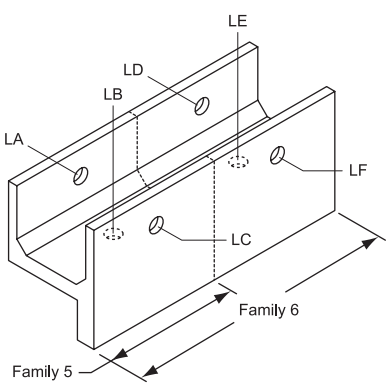
- **Enables you to add a stop-and-lock linear brake onto your application**
- **Refer to page 526 for all available brake kits**
- **Refer to page 578-579 for specifying brake hole machining services**



⊠ = 10 Series Compatible Part







Standard Bearing Part No.	Brake Ready Bearing Part No.	Bearing Size	Pre-Drilled or Specified Brake Hole Locations
6725 ⊠	–	Family 1	Specify*
6825	–	Family 1	
6835	–	Family 1	
–	6425 ⊠	Family 1	LG / LH / LI
–	6525	Family 1	LG / LH / LI
–	6535	Family 1	LG / LH / LI
6726 ⊠	–	Family 2	Specify*
6826	–	Family 2	
6836	–	Family 2	
–	6426 ⊠	Family 2	LG / LH / LI / LJ / LK / LM
–	6526	Family 2	LG / LH / LI / LJ / LK / LM
–	6536	Family 2	LG / LH / LI / LJ / LK / LM
6723 ⊠	–	Family 3	Specify*
6823	–	Family 3	
6833	–	Family 3	
–	6423 ⊠	Family 3	LN / LO / LP / LQ
–	6523	Family 3	LN / LO / LP / LQ
–	6533	Family 3	LN / LO / LP / LQ
6724 ⊠	–	Family 4	Specify*
6824	–	Family 4	
6834	–	Family 4	
–	6424 ⊠	Family 4	LN / LO / LP / LQ / LR / LS / LT / LU
–	6524	Family 4	LN / LO / LP / LQ / LR / LS / LT / LU
–	6534	Family 4	LN / LO / LP / LQ / LR / LS / LT / LU
6715 ⊠	–	Family 5	Specify*
6815	–	Family 5	
6830	–	Family 5	
–	6415 ⊠	Family 5	LA / LB / LC
–	6515	Family 5	LA / LB / LC
–	6530	Family 5	LA / LB / LC
6716 ⊠	–	Family 6	Specify*
6816	–	Family 6	
6831	–	Family 6	
–	6416 ⊠	Family 6	LA / LB / LC / LD / LE / LF
–	6516	Family 6	LA / LB / LC / LD / LE / LF
–	6531	Family 6	LA / LB / LC / LD / LE / LF

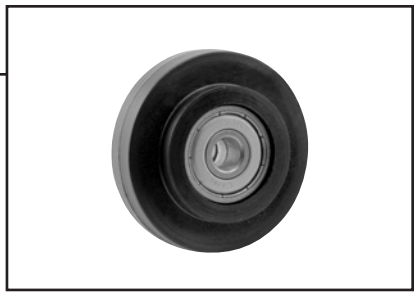
* Refer to pages 578-579 for machining services

Brake Kit Mounting Hole Machining Services

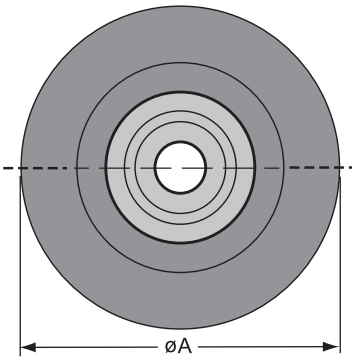
Part No.	Series	Description
7401 ⊠	10	.265 diameter drill thru one wall
7400	15	.344 diameter drill thru one wall

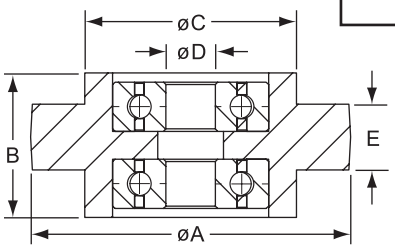
Roller Wheels with Ball Bearing Hub

Fiberglass-Reinforced Nylon, Black



- **Move frames, panels and other components by rolling in the profile T-slot**



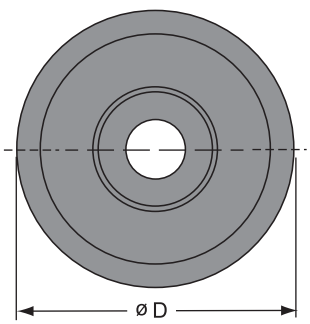


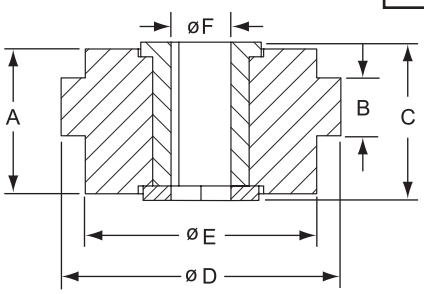
Part No.	A	B	C	D	E (Slot Tab)	Lbs.	Compatibility Code*
12017	1.535	.693	1.016	.236	.315	.07	8-15
12018					.394	.07	
12020	1.850	.772	1.323	.315	.315	.11	
12021					.394	.11	

Roller Wheel with Steel Hub

Fiberglass-Reinforced Nylon, Black

- **Move frames, panels and other components by rolling in the profile T-slot**



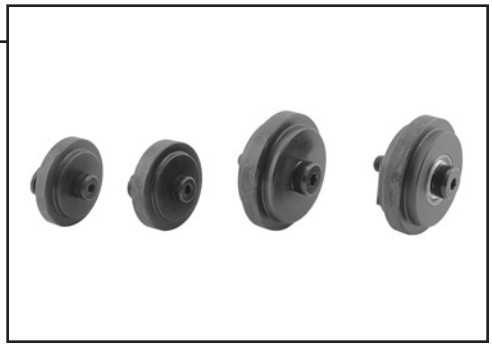


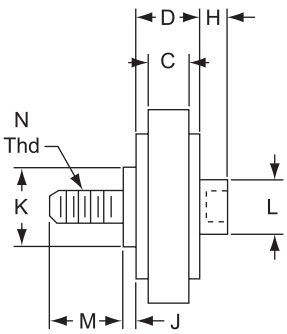
Part No.	A	B (Slot Tab)	C	D	E	F	Lbs.	Compatibility Code*
12024	.590	.236	.634	1.142	.945	.244	.02	6-10

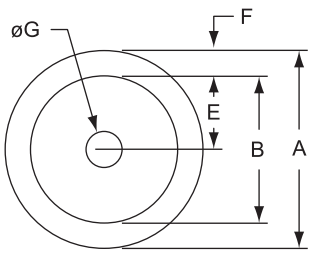
* See Compatibility Code information on page 152.

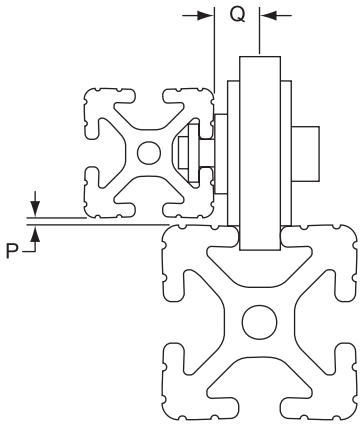
Roller Wheels

- **10 and 15 Series compatible**
- **All mounting hardware included**
- **Made of self-lubricating black nylon**
- **Mounts to profile end or T-slot – ideal for guided linear motion**









Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	Lbs.
2281 ⊠	1.500	1.125	.240	.480	.563	.188	.314	.219	.125	.625	.435	.310	1/4-20	.060	.370	.070
2282 ⊠	1.500	1.125	.310	.480	.563	.188	.314	.219	.125	.625	.435	.310	1/4-20	.060	.370	.075
2280	2.000	1.625	.310	.720	.812	.188	.375	.250	.125	.750	.562	.375	5/16-18	.060	.485	.185
2290	2.000	1.625	.310	.720	.812	.188	.375	.250	.125	.750	.562	.375	5/16-18	.060	.485	.165

Part No.	Bearing Type	Mounts To	Rolls In
2281 ⊠	Permanent Lubricated Bronze Bushing	10 Series	10 Series
2282 ⊠	Permanent Lubricated Bronze Bushing	10 Series	15 Series
2280	Dual Roller Bearing	15 Series	15 Series
2290	Permanent Lubricated Bronze Bushing	15 Series	15 Series

⊠ = 10 Series Compatible Part

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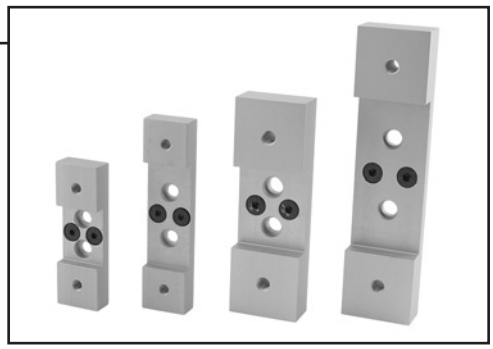
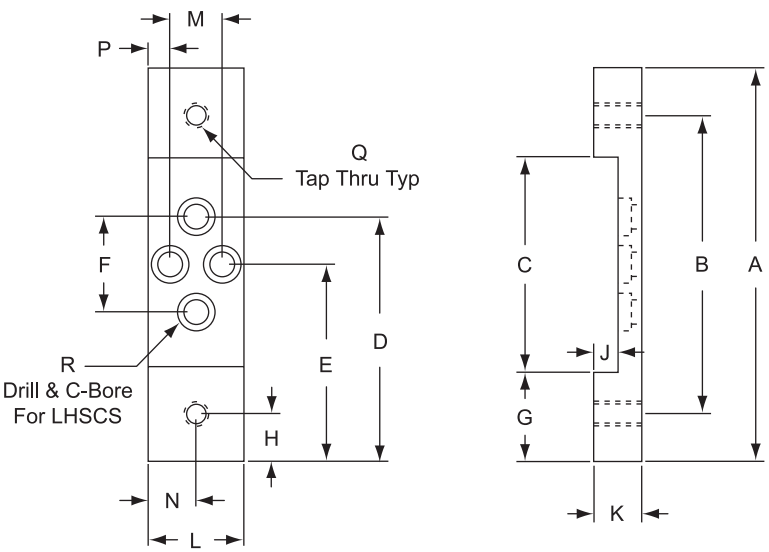
Roller Wheel Brackets

- **10 and 15 Series compatible**
- **Hardware for mounting bracket to T-slot included**
- **Made of clear anodized aluminum**
- **Mounts to T-slot profile, ideal for moving framed doors and other components**
- **See pages 528-529 for roller wheels**
- **See page 531 for roller wheel bracket assemblies**





Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	Lbs.
2750 ☒	3.125	2.125	1.250	1.897	1.563	.669	.938	.500	.255	.500	1.000	.544	.500	.228	1/4-20	1/4-20	.120
2752 ☒	4.125	3.125	2.250	2.562	2.063	1.000	.938	.500	.255	.500	1.000	.544	.500	.228	1/4-20	1/4-20	.140
2754	4.625	3.125	1.750	2.743	2.313	.860	1.438	.750	.390	.750	1.500	.735	.750	.383	5/16-18	5/16-18	.420
2757	6.125	4.625	3.250	3.813	3.063	1.500	1.438	.750	.390	.750	1.500	.735	.750	.383	5/16-18	5/16-18	.500

Note: Be sure to use the included washer with the roller wheels for proper spacing.

☒ = 10 Series Compatible Part

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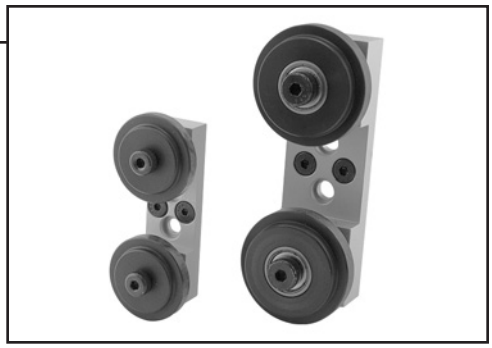
Roller Wheel & Bracket Assemblies



- **10 and 15 Series compatible**
- **All mounting hardware included for both roller wheel and mounting bracket –**

  10 Series - (2) 1/4-20 x 3/8" LHSCS
  (2) P/N 3204, 1/4-20 Standard T-nut
  15 Series - (2) 5/16-18 x 5/8" LHSCS
  (2) P/N 3203, 5/16-18 Standard T-nut
- **Mounts to T-slot profile – ideal for moving framed doors and other components**

Assembly Part No.		Individual Part No.							
		2750 ⊠	2752 ⊠	2754	2757	2281 ⊠	2282 ⊠	2280	2290
2751 ⊠ .260 Lbs.	1.000"	1				2			
2753 ⊠ .280 Lbs.	2.000"		1			2			
2755 .790 Lbs.	1.500"			1				2	
2758 .870 Lbs.	3.000"				1			2	
2756 .740 Lbs.	1.500"			1					2
2759 .820 Lbs.	3.000"				1				2

⊠ = 10 Series Compatible Part

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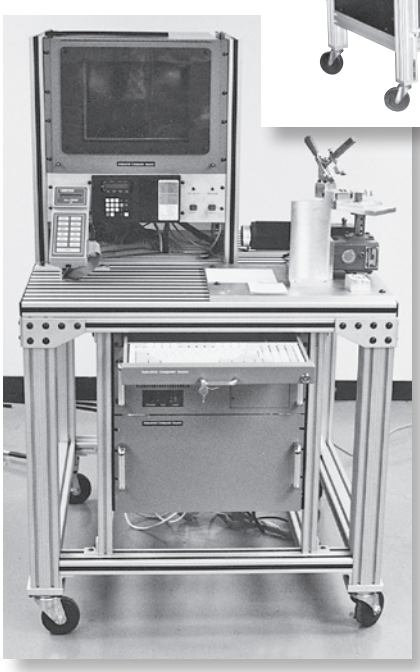
Customized Workstation Carts by 80/20®

- **Lots and lots of storage!**
- **Mobile – it's a complete portable workshop!**
- **Modular – add onto it to fit any application requirement.**
- **Lots of work surface!**
- **Hard mount for drill press / chamfer, custom machined from 80/20's own structural shapes!**



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Section #10 Pictorial Table Of Contents

How to Order

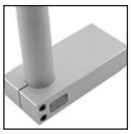
Page 534

Single Shaft Bases

Page 535

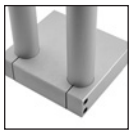
Double Shaft Bases

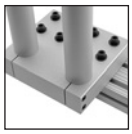
Page 536

Single Shaft Blank Plates

Page 537

Single Shaft Pre-Drilled Plates

Page 538

Double Shaft Blank Plates

Page 539

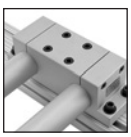
Double Shaft Pre-Drilled Plates

Page 540

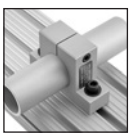
Stanchion Cross Clamp

Page 541

Single Shaft Mounting Block

Page 542

Double Shaft Mounting Block

Page 543

Single Horizontal Base

Page 544

Double Horizontal Base

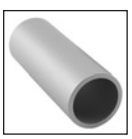
Page 545

Horizontal Quick Clamp

Page 546

Quick Cross Clamp

Page 547

Round Stock

Page 548

Legend for Icons

This part is 10 Series compatible

Introduction to 80/20® Stanchions

Stanchions offer the capability of adding a fourth and fifth axis to your application. 80/20 stocks multiple types of stanchions to allow versatility when designing your project and modularity when utilizing your project. Choose from single or double shaft bases, blank or pre-drilled mounting plates, and single or double mounting blocks.

Now, take it a step further with 80/20's "Horizontal Quick Clamp" stanchion, which allows you to retain the modularity you get with T-slotted profiles. Utilize our tubes and solid rounds with our stanchions to create precise positioning.

80/20® Stanchions Advantages

- **Adjustable in X, Y, and Z axis when used with T-slots**
- **Bolts directly to T-slotted profiles**
- **"Horizontal Quick Clamp" stanchion - check it out!**
- **Choose from aluminum or steel tubes for stanchion posts**
- **Stanchion clamp screws have a torque glide finish for ease of function**

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How to Order 80/20® Stanchions

When ordering stanchions we recommend you follow these steps. First, select your tube size to ensure the correct strength needed. Then, select your base and/or plate. If your application requires an additional axis, select a cross clamp. Finally, determine tube length. The tube length will vary according to the choice of your base and/or plate. Always include all required machining services, structural shapes and fasteners in their proper places on the order form.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:
Customer: _____
Address: _____
City / State: _____
Attention: _____
Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/ UOM	Ext. Price
1	1010	2	18.50"	7042 in A both ends	$.23	$8.51
	1515-Lite-145	5	145.00"	Full length profile	$65.25	$326.25
	3060	4	40.00"	7029 one end	$2.95	$472.00
	3030	4	36.00"	7050 style G in W, X both ends	$1.50	$216.00
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	2611	1	5.25 sf.	1/4" bronze polycarb 1 @ 18" x 40" w/ 7311 per drawing	$10.40	$54.60
4	7150	1		Cut plastic panels all sides < -48"	$10.50	$10.50
	7042	4		10 Series anchor fastener counterbore	$2.25	$9.00
	7005	2		Cut-to-length for 1010	$1.95	$3.90
	7023	4		Cut-to-length for 3060	$2.90	$11.60
	7030	4		Cut-to-length for 3030	$2.60	$10.40
	7050	64		15 Series drill access hole	$1.95	$124.80
	7029	4		5/16-18 tap service for 3060	$15.20	$60.80
	7311	2		Anchor fastener notch for 10 Series	$0.53	$1.06
5	3380	32		15 Series 5/16-18 black zinc end fastener w/ screw	$1.60	$51.20
	2114	16		Gray T-Slot covers for 10 Series	$3.45	$55.20
	2050	8		End caps for 3030	$1.85	$14.80
	3395	4		10 Series anchor fasteners	$2.90	$11.60
	3279	5		15 Series 5/16-18 black zinc double economy T-nut	$0.79	$3.95
	4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	3393	24		10 Series 1/4-20 BHSCS & economy T-nut	$0.40	$9.60

TOTAL $1549.17

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 147-202 • 2 - Custom Parts = Pages 203-220 • 3 - Panels = Pages 349-432
4 - Machining Services = Pages 559-608 • 5 - Accessories & Tools = Pages 433-456 & 549-558

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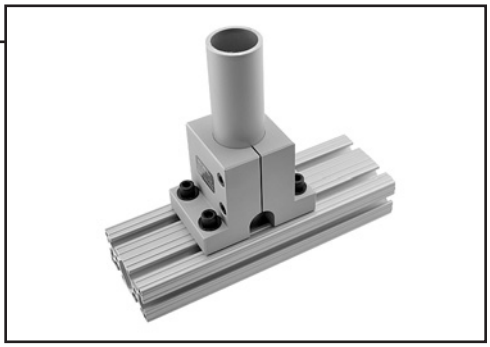
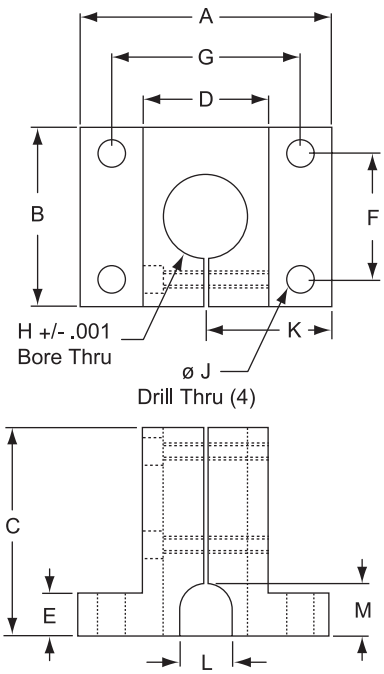
Single Shaft Bases

- **10 and 15 Series compatible**
- **Stanchion clamp screws included**
- **Made of 6105-T5 clear anodized aluminum**
- **Refer to page 209 for stanchion profiles**





Part No.	Size	A	B	C	D	E	F	G	H	J	K	L	M	Lbs.
5050 ⌘	1.000"	3.000	2.125	2.500	1.500	.500	1.000	2.250	1.004	.257	1.500	.620	.620	.714
5100	1.000"	3.000	2.125	2.500	1.500	.500	1.500	2.250	1.004	.328	1.500	.620	.620	.711
5200	1.500"	3.879	2.500	3.000	2.250	.750	1.500	3.000	1.505	.328	1.937	.880	.875	1.383
5300	2.000"	4.750	3.250	3.250	2.750	.750	1.500	3.750	2.005	.328	2.375	1.250	.750	2.271

⌘ = 10 Series Compatible Part

Recommended Mounting Hardware (Stanchion to T-Slot):

Stanchion Part No.	Bolt Assembly Part No.	Qty	Bolts Thru	Description
5050 ⌘	3471 ⌘	4	E	1/4-20 x 7/8" SHCS, Econ T-Nut and Washer
5100	3470	4	E	5/16-18 x 1" SHCS, Econ T-Nut and Washer
5200	3421	4	E	5/16-18 x 1 1/4" SHCS, Econ T-Nut and Washer
5300	3421	4	E	5/16-18 x 1 1/4" SHCS, Econ T-Nut and Washer

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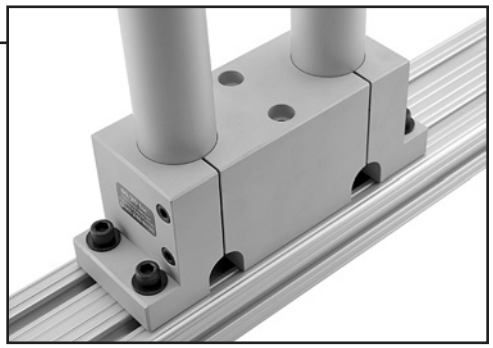
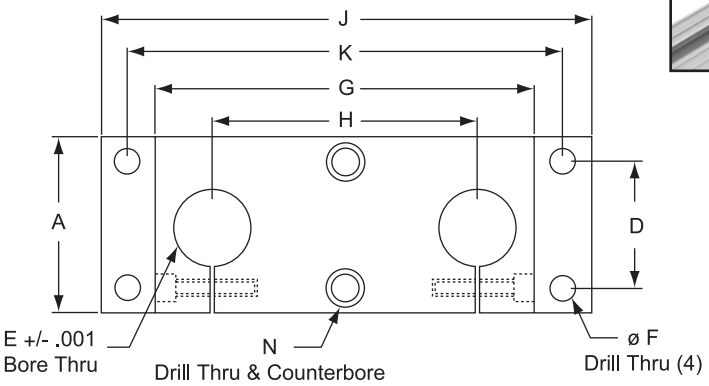
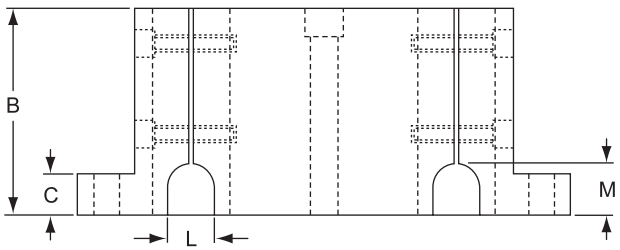
Double Shaft Bases



- **10 and 15 Series compatible**
- **Stanchion clamp screws included**
- **Made of 6105-T5 clear anodized aluminum**
- **Refer to page 209 for stanchion profiles**





Part No.	Size	A	B	C	D	E	F	G	H	J	K	L	M	N	Lbs.
5125 ⊠	1.000"	2.125	2.480	.500	1.000	1.004	.257	5.000	3.500	6.500	5.750	.620	.620	.406 x .26 Deep	2.265
5150	1.000"	2.125	2.480	.500	1.500	1.004	.328	5.000	3.500	6.500	5.750	.620	.620	.515 x .32 Deep	2.237
5250	1.500"	2.500	2.980	.750	1.500	1.505	.328	6.125	3.875	7.750	6.875	.880	.820	.515 x .32 Deep	3.590
5350	2.000"	3.250	3.250	.750	1.500	2.005	.328	7.500	4.750	9.500	8.500	1.250	.750	.515 x .32 Deep	6.095

⊠ = 10 Series Compatible Part

Recommended Mounting Hardware (Stanchion to T-Slot):

Stanchion Part No.	Bolt Assembly Part No.	Qty	Bolts Thru	Description
5125 ⊠	3471 ⊠	4	C	1/4-20 x 7/8" SHCS, Econ T-Nut and Washer
	3434 ⊠	2	B	1/4-20 x 2 1/2" SHCS, Econ T-Nut w/o Washer
5150	3470	4	C	5/16-18 x 1" SHCS, Econ T-Nut and Washer
	3429	2	B	5/16-18 x 2 1/2" SHCS, Econ T-Nut w/o Washer
5250	3421	4	C	5/16-18 x 1 1/4" SHCS, Econ T-Nut and Washer
	3430	2	B	5/16-18 x 3" SHCS, Econ T-Nut w/o Washer
5350	3421	4	C	5/16-18 x 1 1/4" SHCS, Econ T-Nut and Washer
	3431	2	B	5/16-18 x 3 1/4" SHCS, Econ T-Nut w/o Washer

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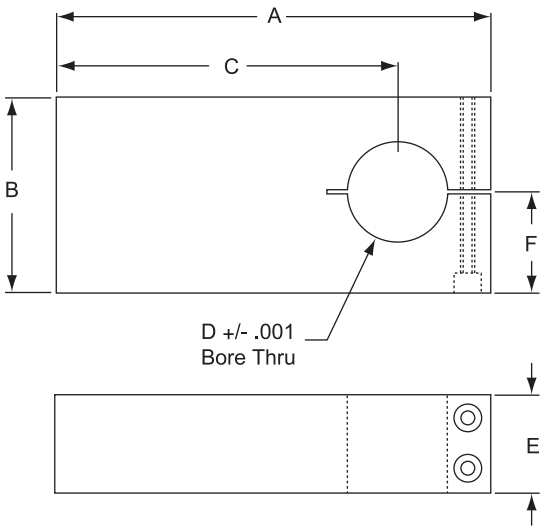
Single Shaft Blank Mounting Plate

- **10 and 15 Series compatible**
- **Stanchion clamp screws included**
- **Made of 6105-T5 clear anodized aluminum**
- **A back slot is added to the bore on part 5400 to enhance tightening**



Part No.	Size	A	B	C	D	E	F	Lbs.
5400	1.000"	4.500	2.000	3.560	1.004	1.200	1.000	.965
5450	1.500"	6.500	3.000	5.125	1.505	1.450	1.500	2.515
5500	2.000"	7.750	4.000	6.120	2.005	1.950	2.000	5.328

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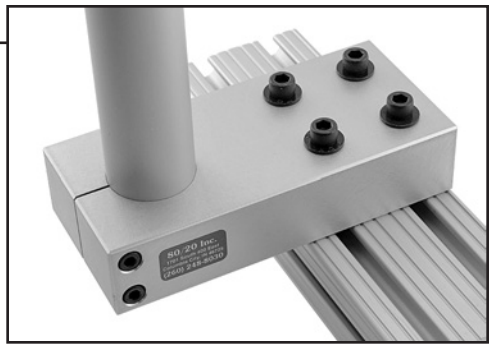
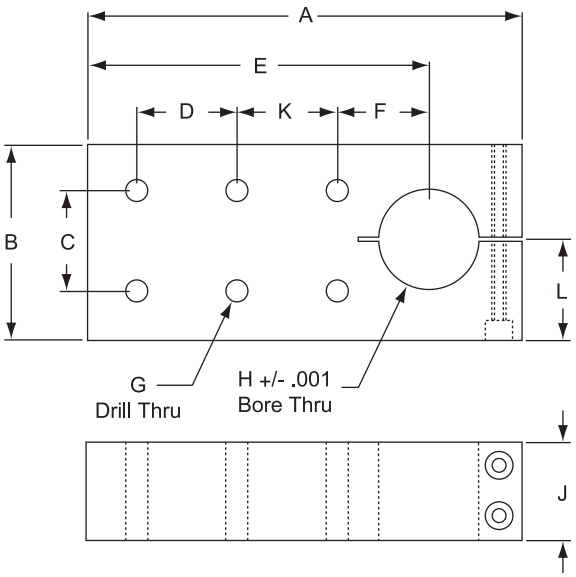
Single Shaft Pre-Drilled Mounting Plate



- **10 and 15 Series compatible**
- **Stanchion clamp screws included**
- **Made of 6105-T5 clear anodized aluminum**
- **A back slot is added to the bore on parts 5415 & 5425 to enhance tightening**



Part No.	Size	A	B	C	D	E	F	G	H	J	K	L	Lbs.
5415 ⊠	1.000"	4.500	2.000	1.000	1.000	3.560	2.060	4 @.257	1.004	1.200	—	1.000	.940
5425	1.000"	4.500	2.000	1.500	1.500	3.560	1.562	4 @.328	1.004	1.200	—	1.000	.935
5475	1.500"	6.500	3.000	1.500	1.500	5.125	2.875	4 @.328	1.505	1.450	—	1.500	2.460
5525	2.000"	7.750	4.000	1.500	1.500	6.120	2.370	6 @.328	2.005	1.950	1.500	2.000	5.258

⊠ = 10 Series Compatible Part

Recommended Mounting Hardware (Stanchion to T-Slot):

Stanchion Part No.	Bolt Assembly Part No.	Qty	Bolts Thru	Description
5415 ⊠	3432 ⊠	4	J	1/4-20 x 1 1/2" SHCS, Econ T-Nut and Washer
5425	3423	4	J	5/16-18 x 1 3/4" SHCS, Econ T-Nut and Washer
5475	3424	4	J	5/16-18 x 2" SHCS, Econ T-Nut and Washer
5525	3428	6	J	5/16-18 x 2 1/2" SHCS, Econ T-Nut and Washer

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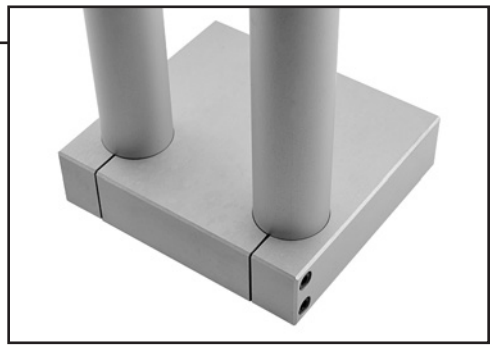
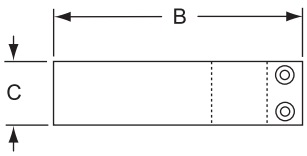
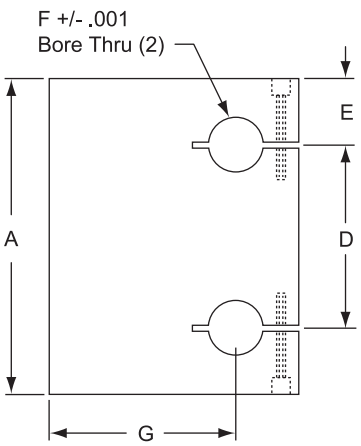
Double Shaft Blank Mounting Plate



- **10 and 15 Series compatible**
- **Stanchion clamp screws included**
- **Made of 6105-T5 clear anodized aluminum**
- **A back slot is added to the bore on part 5700 to enhance tightening**





Part No.	Size	A	B	C	D	E	F	G	Lbs.
5700	1.000"	6.000	4.500	1.200	3.500	1.250	1.004	3.560	3.020
5750	1.500"	6.000	5.500	1.450	3.875	1.062	1.505	4.125	4.165

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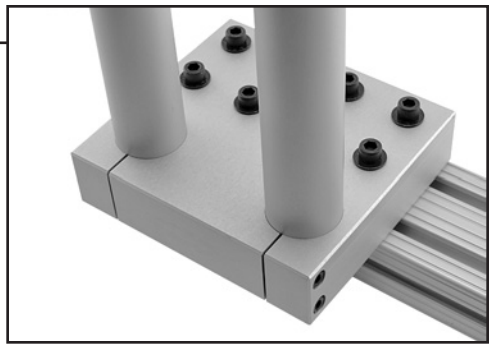
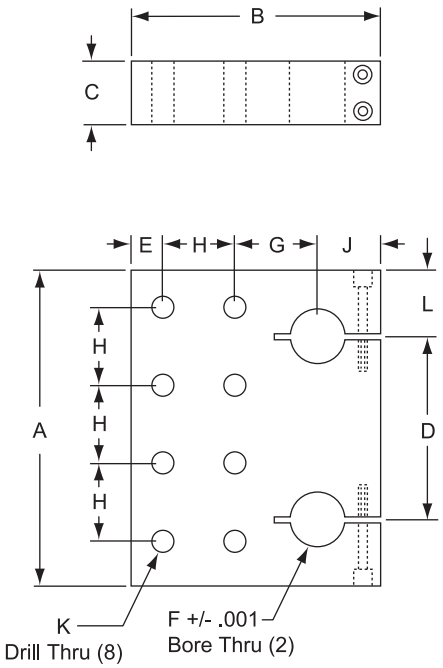
Double Shaft Pre-Drilled Mounting Plate



- **15 Series compatible**
- **Stanchion clamp screws included**
- **Made of 6105-T5 clear anodized aluminum**
- **A back slot is added to the bore on part 5725 to enhance tightening**



Part No.	Size	A	B	C	D	E	F	G	H	J	K	L	Lbs.
5725	1.000"	6.000	4.500	1.200	3.500	.750	1.004	1.310	1.500	.940	.328	1.250	2.910
5775	1.500"	6.000	5.500	1.450	3.875	.750	1.505	1.875	1.500	1.375	.328	1.062	4.080

Recommended Mounting Hardware (Stanchion to T-Slot):

Stanchion Part No.	Bolt Assembly Part No.	Qty	Bolts Thru	Description
5725	3423	8	C	5/16-18 x 1 3/4" SHCS, Econ T-Nut and Washer
5775	3424	8	C	5/16-18 x 2" SHCS, Econ T-Nut and Washer

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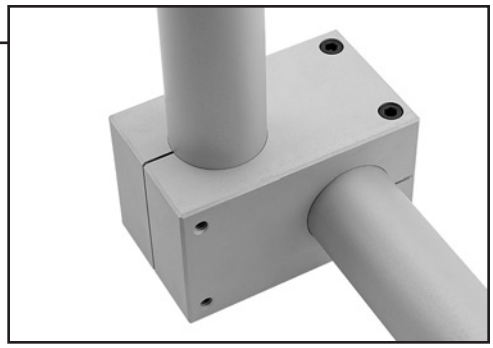
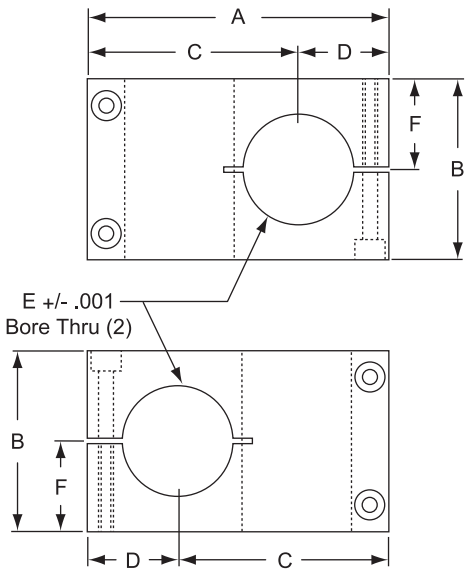
Stanchion Cross Clamp

- **10 and 15 Series compatible**
- **Stanchion clamp screws included**
- **Made of 6105-T5 clear anodized aluminum**
- **A back slot is added to the bore on part 5575 to enhance tightening**





Part No.	Size	A	B	C	D	E	F	Lbs.
5575	1.000"	3.125	2.000	2.125	1.000	1.004	1.000	.925
5625	1.500"	4.125	2.500	2.875	1.250	1.504	1.250	1.665
5675	2.000"	5.500	3.250	3.875	1.625	2.005	1.625	3.620

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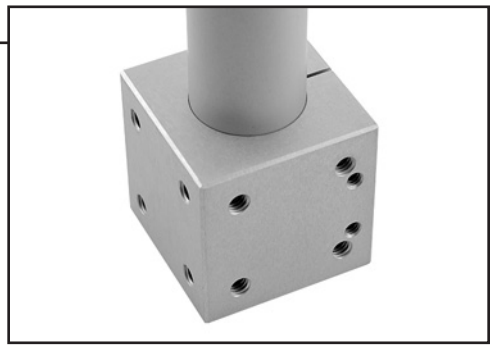
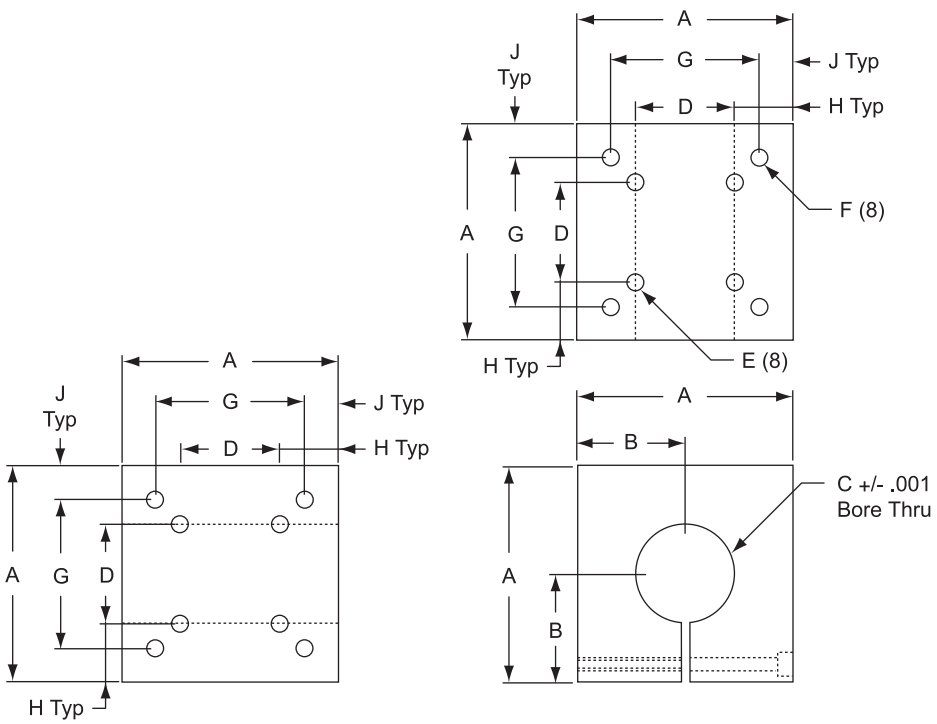
Single Shaft Mounting Block

- **10 and 15 Series compatible**
- **Stanchion clamp screws included**
- **Made of 6105-T5 clear anodized aluminum**





10

Part No.	Size	A	B	C	D	E	F	G	H	J	Lbs.
5550	1.000"	2.000	1.000	1.004	1.500	5/16-18 x .500	—	—	.250	—	.600
5600	1.500"	2.500	1.250	1.505	1.500	5/16-18 x .500	—	—	.500	—	1.050
5650	2.000"	3.250	1.625	2.005	1.500	5/16-18 x .625	5/16-18 x .750	2.250	.875	.500	2.325

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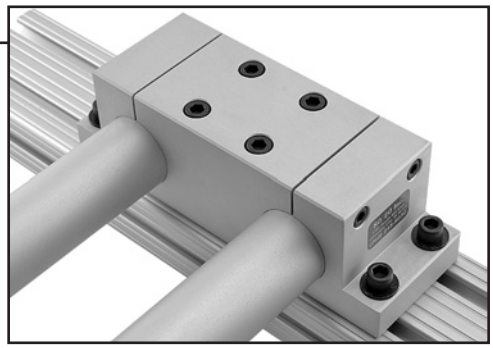
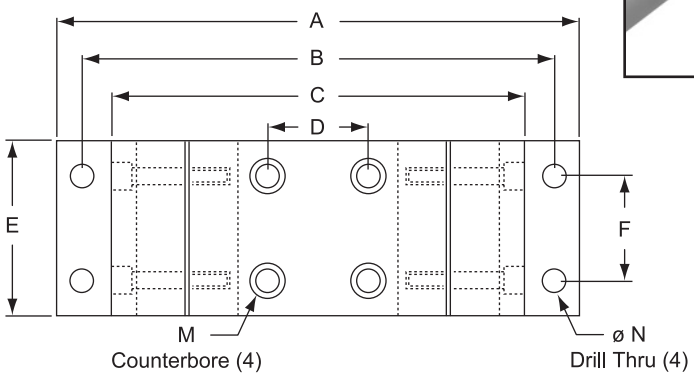
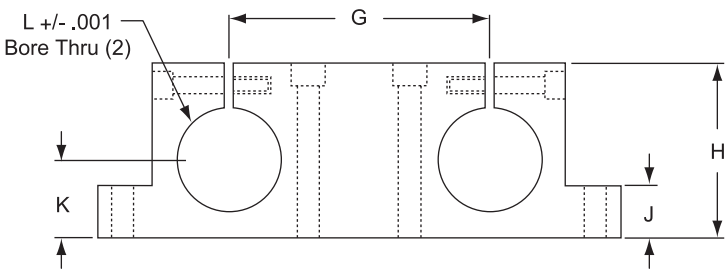
Double Shaft Mounting Block

- **10 and 15 Series compatible**
- **Stanchion clamp screws included**
- **Made of 6105-T5 clear anodized aluminum**







Part No.	Size	A	B	C	D	E	F	G	H	J	K	L	M	N	Lbs.
5845 ⌘	1.000"	6.500	5.750	5.000	1.000	2.125	1.000	3.500	2.130	.500	1.062	1.004	.406 x .26 Dp	.257	2.000
5850	1.000"	6.500	5.750	5.000	1.500	2.125	1.500	3.500	2.130	.500	1.062	1.004	.515 x .32 Dp	.328	1.990
5900	1.500"	7.750	7.000	6.125	1.500	2.500	1.500	3.875	2.500	.750	1.125	1.505	.515 x .32 Dp	.328	3.005
5950	2.000"	9.500	8.500	7.500	1.500	3.250	1.500	4.750	3.250	1.000	1.625	2.005	.515 x .32 Dp	.328	6.210

⌘ = 10 Series Compatible Part

Recommended Mounting Hardware (Stanchion to T-Slot):

Stanchion Part No.	Bolt Assembly Part No.	Qty	Bolts Thru	Description
5845 ⌘	3471 ⌘	4	J	1/4-20 x 7/8" SHCS, Econ T-Nut and Washer
	3433 ⌘	4	H	1/4-20 x 2 1/8" SHCS, Econ T-Nut w/o Washer
5850	3470	4	J	5/16-18 x 1" SHCS, Econ T-Nut and Washer
	3427	4	H	5/16-18 x 2 1/4" SHCS, Econ T-Nut w/o Washer
5900	3421	4	J	5/16-18 x 1 1/4" SHCS, Econ T-Nut and Washer
	3429	4	H	5/16-18 x 2 1/2" SHCS, Econ T-Nut w/o Washer
5950	3422	4	J	5/16-18 x 1 1/2" SHCS, Econ T-Nut and Washer
	3431	4	H	5/16-18 x 3 1/4" SHCS, Econ T-Nut w/o Washer

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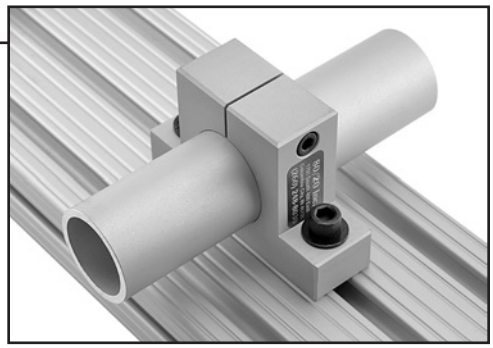
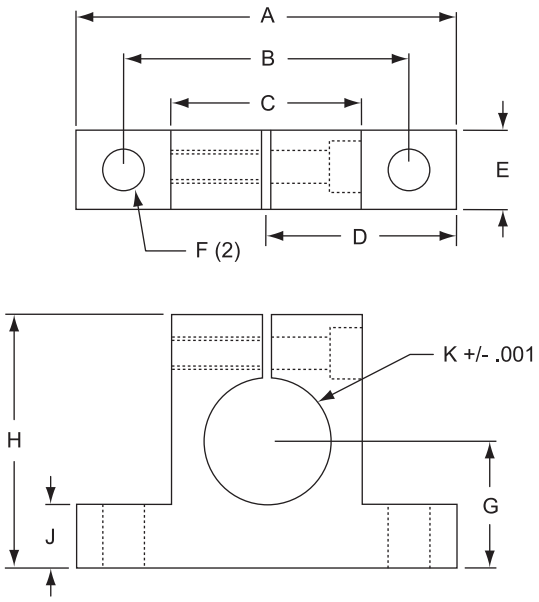
Single Horizontal Base



- **10 and 15 Series compatible**
- **Stanchion clamp screws included**
- **Made of 6105-T5 clear anodized aluminum**
- **Refer to page 209 for stanchion profiles**



Part No.	Size	A	B	C	D	E	F	G	H	J	K	Lbs.
5860 ⌘	1.000"	3.000	2.250	1.500	1.500	.875	.257 thru	1.062	2.128	.500	1.004	.268
5870	1.000"	3.000	2.250	1.500	1.500	.875	.328 thru	1.062	2.125	.500	1.004	.259
5880	1.500"	3.875	3.000	2.253	1.937	1.125	.328 thru	1.125	2.500	.750	1.505	1.253
5890	2.000"	4.750	3.750	2.750	2.375	1.437	.328 thru	1.625	3.250	1.000	2.005	1.074

⌘ = 10 Series Compatible Part

Recommended Mounting Hardware (Stanchion to T-Slot):

Stanchion Part No.	Bolt Assembly Part No.	Qty	Bolts Thru	Description
5860 ⌘	3471 ⌘	2	J	1/4-20 x 7/8" SHCS, Econ T-Nut and Washer
5870	3470	2	J	5/16-18 x 1" SHCS, Econ T-Nut and Washer
5880	3421	2	J	5/16-18 x 1 1/4" SHCS, Econ T-Nut and Washer
5890	3422	2	J	5/16-18 x 1 1/2" SHCS, Econ T-Nut and Washer

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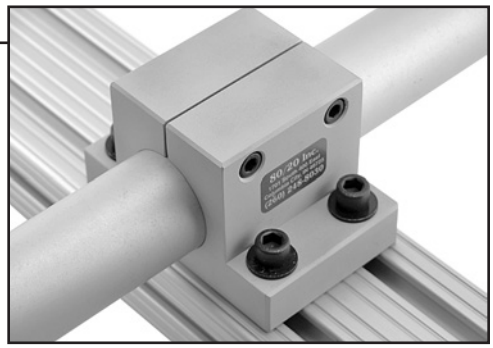
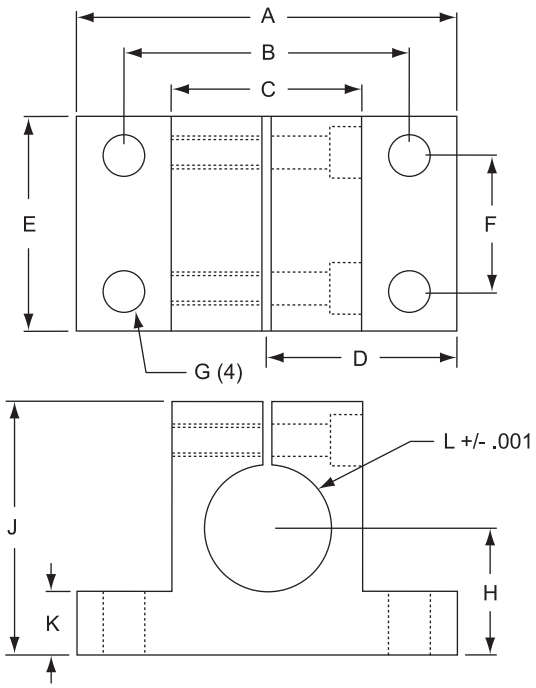
Double Horizontal Base



- **10 and 15 Series compatible**
- **Stanchion clamp screws included**
- **Made of 6105-T5 clear anodized aluminum**
- **Refer to page 209 for stanchion profiles**



Part No.	Size	A	B	C	D	E	F	G	H	J	K	L	Lbs.
5910 ⌘	1.000"	3.000	2.250	1.500	1.500	2.000	1.000	.257 Thru	1.062	2.125	.500	1.004	.575
5920	1.000"	3.000	2.250	1.500	1.500	2.000	1.500	.328 Thru	1.062	2.125	.500	1.004	.568
5930	1.500"	3.875	3.000	2.255	1.937	2.500	1.500	.328 Thru	1.125	2.500	.750	1.505	1.210
5940	2.000"	4.750	3.750	2.750	2.375	3.250	1.500	.328 Thru	1.625	3.250	1.000	2.005	1.906

⌘ = 10 Series Compatible Part

Recommended Mounting Hardware (Stanchion to Slot):

Stanchion Part No.	Bolt Assembly Part No.	Qty	Bolts Thru	Description
5910 ⌘	3471 ⌘	4	K	1/4-20 x 7/8" SHCS, Econ T-Nut and Washer
5920	3470	4	K	5/16-18 x 1" SHCS, Econ T-Nut and Washer
5930	3421	4	K	5/16-18 x 1 1/4" SHCS, Econ T-Nut and Washer
5940	3422	4	K	5/16-18 x 1 1/2" SHCS, Econ T-Nut and Washer

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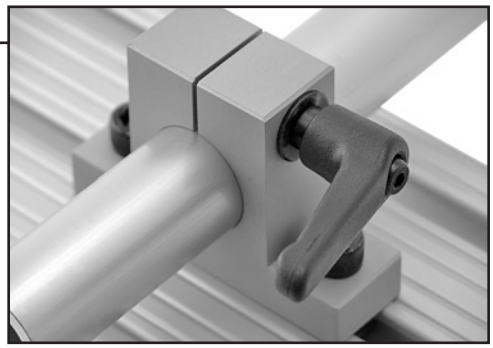
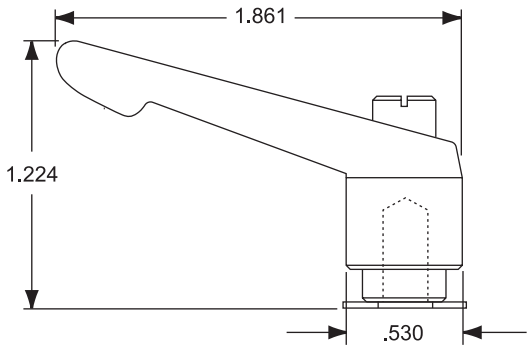
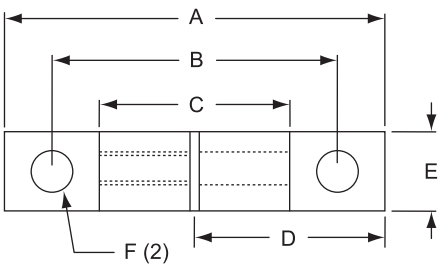
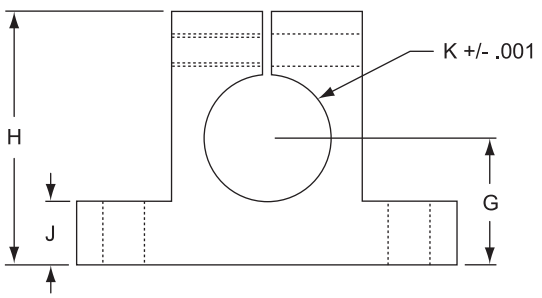
Horizontal Quick Clamp

- **10 and 15 Series compatible**
- **Adjustable clamping L-handles (included) are black nylon**
- **Stanchion block is 6105-T5 clear anodized aluminum**
- **See page 209 for stanchion profiles**
- **See page 210 or 548 for stanchion tube**









10

Part No.	Size	A	B	C	D	E	F	G	H	J	K	Lbs.
5360 ⊠	1.000"	3.000	2.250	1.500	1.500	.875	.257 Thru	1.062	2.125	.500	1.004	.294
5370	1.000"	3.000	2.250	1.500	1.500	.875	.328 Thru	1.062	2.125	.500	1.004	.294

⊠ = 10 Series Compatible Part

Recommended Mounting Hardware (Stanchion to T-Slot):

Stanchion Part No.	Bolt Assembly Part No.	Qty	Bolts Thru	Description
5360 ⊠	3471 ⊠	2	J	1/4-20 x 7/8" SHCS, Econ T-Nut and Washer
5370	3470	2	J	5/16-18 x 1" SHCS, Econ T-Nut and Washer

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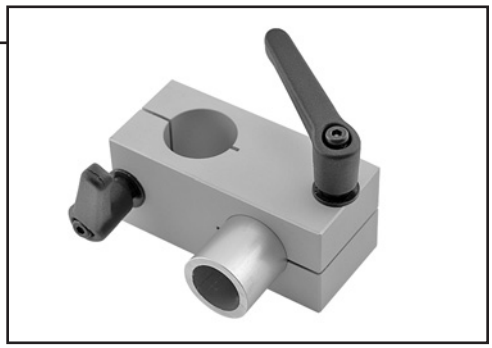
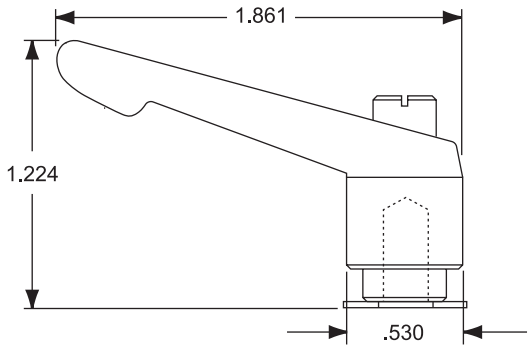
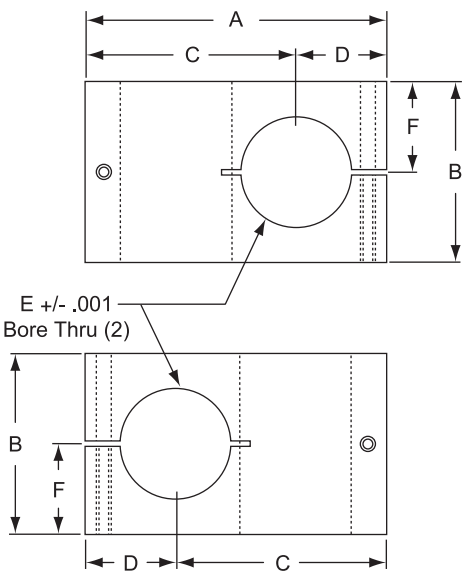
Quick Cross Clamp

- **10 and 15 Series compatible**
- **Adjustable clamping L-handles (included) are black nylon**
- **Made of 6105-T5 clear anodized aluminum**
- **See page 209 for stanchion profile**
- **See page 210 or 548 for stanchion tube**







Part No.	Size	A	B	C	D	E	F	Lbs
5340 ⌘	1.000"	3.375	1.500	2.375	1.000	1.004	.750	.825

⌘ = 10 Series Compatible Part

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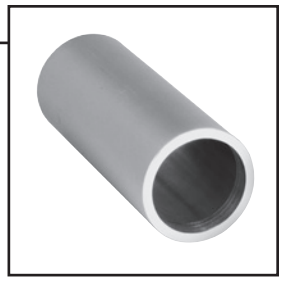
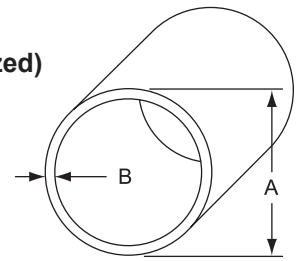
Aluminum Tube

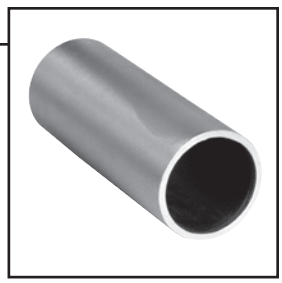


- Drawn precision tube
- Stock length: 144” mill-finish (unanodized) and clear anodized finish
- See page 563 for cut-to-length services
- Tolerance: +.003” / -.002”

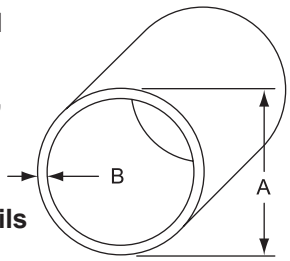


Part No.					Cut-To-Length	
Clear Anodized	Mill-Finish	A	B	Alloy	Part No.	Lbs. / Ft.
5035	5036	1.000	.125	6061-T6	7205	.405
5040	5041	1.500	.125	6061-T6	7210	.630
5045	5046	2.000	.125	6061-T6	7213	.930

Ground & Polished Steel Tube



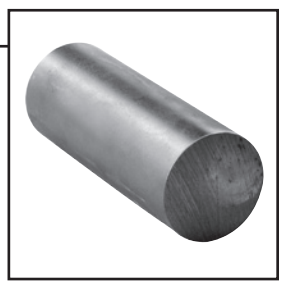
- Ground and polished, drawn over mandrel (DOM) carbon steel
- Stock length: 145” unfinished (non-plated, non-oxided)
- See page 563 for cut-to-length services
- Black oxide service available, call for details
- Tolerance: +.003” / -.002”



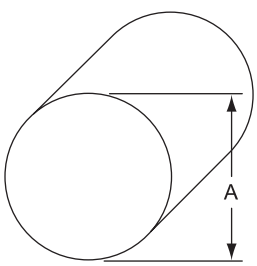
Part No.	A	B	Alloy	Cut-To-Length Part No.	Lbs. / Ft.
5005	1.000	.125	1020	7205	1.168
5015	1.500	.125	1020	7210	1.836
5025	2.000	.125	1020	7213	2.503

Turned, Ground and Polished Solid Carbon Steel

DVD



- Stock length: 145” unfinished (non-plated, non-oxided)
- See page 563 for cut-to-length services
- Black oxide service available, call for details
- Tolerance: +.003” / -.002”



Part No.	A	Alloy	Cut-To-Length Part No.	Lbs. / Ft.
5010	1.000	1045	7205	2.670
5020	1.500	1045	7210	6.010
5030	2.000	1045	7213	10.680

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Section #11 Pictorial Table Of Contents

Introduction to Tools

Page 550

How to Order

Page 551

Ball End Fold Out Combo Tool

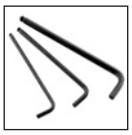
Page 552

Ball Driver & "L" Wrench Set

Page 552

Ball End Power Bits

Page 553

Bal End "L" Hex Wrenches

Page 553

Cheater Pipe

Page 554

Ball End Hex Drivers

Page 554

"T" Ball End Hex Wrench

Page 555

Combination Wrenches

Page 555

Six Lobe Tools

Page 556

Ball End Hex Socket

Page 556

Access Hole Drills

Page 557

Access Hole Drill Jigs

Page 557

Counterbore Cutters

Page 558

Soft Face Mallet

Page 558

Attitude Lapel Pins

Page 558

Legend for Icons

This part is 10 Series compatible

This part can use double economy T-nuts
(see bolt kit table P on page 268)

This part can use triple economy T-nuts
(see bolt kit table Q on page 268)

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Introduction to 80/20® Tools

Having the right tools to build your project will simplify your assembly job. In this section, we have all the tools you'll need to assemble everything in our catalog.

We also have counterbore cutters, access hole drills and jigs for those of you who prefer to machine our T-slotted profiles as you're building your project.

Along with the right tools, we also have the right attitude. Check out our **ATTITUDE** pins on page 558. Everybody needs one!

80/20 Tool Advantages

- **Simple hand tools to assemble your project**
- **Fractional and metric tools with color-coded handles: yellow for fractional and red for metric**
- **Ball end wrenches for off-axis rotation**

Fastener/Hex Tool Size Reference

This chart is a quick reference when looking for the correct size of hex wrench to use with 80/20 fasteners.

Thread Size	Fastener Head			
	SHCS	BHSCS	FBHSCS	FHSCS
8-32	—	3/32"	—	—
10-32	5/32"	1/8"	—	—
1/4-20	3/16"	5/32"	5/32"	5/32"
5/16-18	1/4"	3/16"	3/16"	3/16"
3/8-16	5/16"	—	—	7/32"
M5	4mm	3mm	—	3mm
M6	5mm	4mm	—	4mm
M8	6mm	5mm	—	5mm
M10	8mm	6mm	—	6mm

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How to Order 80/20® Tools

When ordering tools, be sure to verify their compatibility with your project. If more than one person is assembling, you may need more than one of each tool. Also keep in mind space constraints and on-site machining. To order, simply include part number, quantity, and tool description on your order, as shown in the example below.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/ UOM	Ext. Price
1	1010	2	18.50"	7042 in A both ends	$.23	$8.51
1	1515-Lite-145	5	145.00"	Full length profile	$65.25	$326.25
1	3060	4	40.00"	7029 one end	$2.95	$472.00
1	3030	4	36.00"	7050 style G in W, X both ends	$1.50	$216.00
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	2611	1	5.25 sf.	1/4" bronze polycarb 1 @ 18" x 40" w/ 7311 per drawing	$10.40	$54.60
4	7150	1		Cut plastic panels all sides < -48"	$10.50	$10.50
4	7042	4		10 Series anchor fastener counterbore	$2.25	$9.00
4	7005	2		Cut-to-length for 1010	$1.95	$3.90
4	7023	4		Cut-to-length for 3060	$2.90	$11.60
4	7030	4		Cut-to-length for 3030	$2.60	$10.40
4	7050	64		15 Series drill access hole	$1.95	$124.80
4	7029	4		5/16-18 tap service for 3060	$15.20	$60.80
4	7311	2		Anchor fastener notch for 10 Series	$0.53	$1.06
5	3380	32		15 Series 5/16-18 black zinc end fastener w/ screw	$1.60	$51.20
5	2114	16		Gray T-Slot covers for 10 Series	$3.45	$55.20
5	2050	8		End caps for 3030	$1.85	$14.80
5	3395	4		10 Series anchor fasteners	$2.90	$11.60
5	3279	5		15 Series 5/16-18 black zinc double economy T-nut	$0.79	$3.95
5	4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
5	3393	24		10 Series 1/4-20 BHSCS & economy T-nut	$0.40	$9.60

TOTAL $1549.17

NOTE: Prices shown for illustration use only. Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 147-202 • 2 - Custom Parts = Pages 203-220 • 3 - Panels = Pages 349-432

4 - Machining Services = Pages 559-608 • 5 - Accessories & Tools = Pages 433-456 & 549-558

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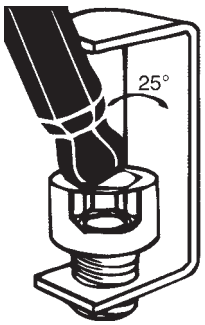
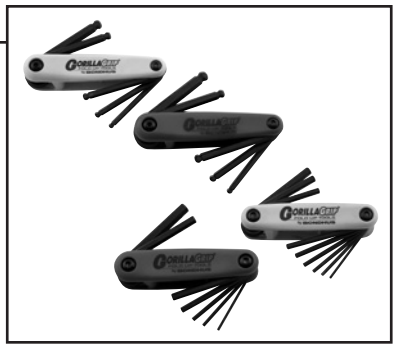
Ball End Fold Out Combo Tool

- **Ball end hex drive allows up to 25º angled tool engagement for hard to reach fasteners**
- **Ergonomic handle**
- **Fractional or metric**
- **Compact - no lost keys**
- **For easy identification, fractional sizes have yellow case, metric have red case**



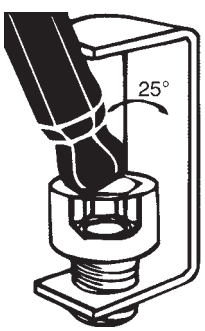


Ball End		Chamfered End	
6086	6087	6088	6089
5mm	3/16	2mm	5/64
6mm	7/32	2.5mm	3/32
7mm	1/4	3mm	7/64
8mm	5/16	4mm	1/8
10mm	3/8	5mm	9/64
		6mm	5/32
		8mm	3/16
			7/32
			1/4

Part No.	Description	Lbs.
6089	Hex Head Fold Out Combo Tool	.380
6088	Metric Hex Head Fold Out Combo Tool	.380
6087	Ball End Fold Out Combo Tool	.460
6086	Metric Ball End Fold Out Combo Tool	.460

Ball Driver and "L" Wrench Set

- **Ball end hex drive allows up to 25º angled tool engagement for hard to reach fasteners**
- **Fractional or metric**
- **For easy identification, fractional sizes have yellow case, metric have red case**



Part No.	Description	Lbs.
6106	Metric Ball Driver & "L" Wrench Set	.800
6111	Standard Ball Driver & "L" Wrench Set	.820

Metric (mm)		Standard (in)	
6106		6111	
1.5	5	.050	5/32
2	6	1/16	3/16
2.5	8	5/64	7/32
3	10	3/32	1/4
4		7/64	5/16
		1/8	3/8
		9/64	

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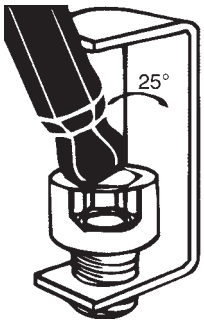
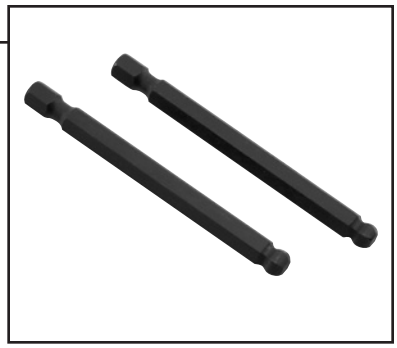
Ball End Power Bits

- Allows for entry angle up to 25°
- 3” long with hex shank for power tools



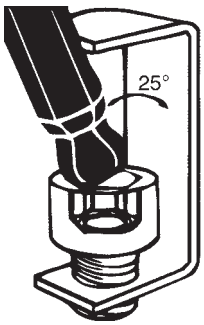


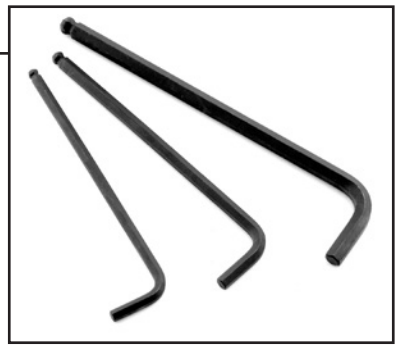
Part No.	Size	Description	Lbs.
6090	3/16”	Hex Ball End Power Bit	.042
6095	1/4”	Hex Ball End Power Bit	.043
6091	5mm	Hex Ball End Power Bit	.042
6092	6mm	Hex Ball End Power Bit	.043

Ball End “L” Hex Wrenches

DVD

- Ball end for off-axis rotation
- Long arm for maximum torque
- Allows for entry angle up to 25°





Part No.	Size	Description	Lbs.
6100	5/32”	Ball End “L” Hex Wrench	.030
6010	3/16”	Ball End “L” Hex Wrench	.046
6040	1/4”	Ball End “L” Hex Wrench	.096
6097	4mm	Ball End “L” Hex Wrench	.030
6098	5mm	Ball End “L” Hex Wrench	.046
6099	6mm	Ball End “L” Hex Wrench	.096

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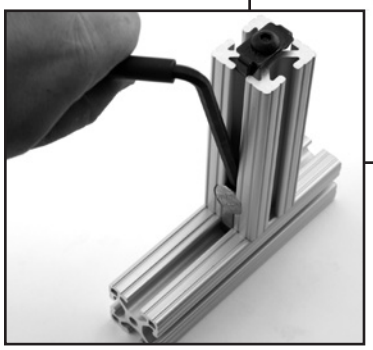
Cheater Pipe

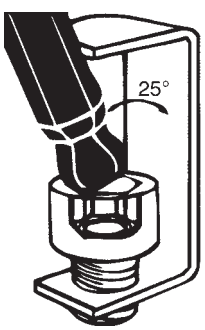
- **Gives extra torque in hard-to-reach spots**
- **Use with a ball end "L" hex wrench**
- **Fits over "L" hex wrenches up to 1/4" (M6) size**
- **Steel tube, 5" long**



Part No.	Description	Lbs.
6005	Cheater Pipe (up to 1/4")	.096

Ball End Hex Drivers

- **Excellent choice for quick tightening by hand**
- **Accessibility in hard-to-reach areas**
- **Allows for entry angle up to 25°**
- **Ergonomic comfort handle**



Metric:
Red-trimmed
Handle

Fractional:
Yellow-trimmed
Handle

Part No.	Size	Description	Lbs.
6105	5/32"	Ball End Hex Driver	.091
6020	3/16"	Ball End Hex Driver	.145
6050	1/4"	Ball End Hex Driver	.213
6102	4mm	Ball End Hex Driver	.091
6103	5mm	Ball End Hex Driver	.145
6104	6mm	Ball End Hex Driver	.213

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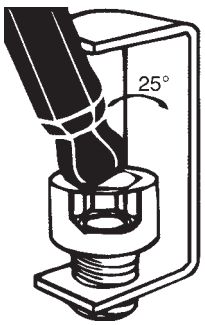
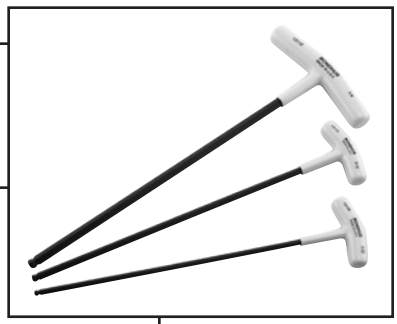
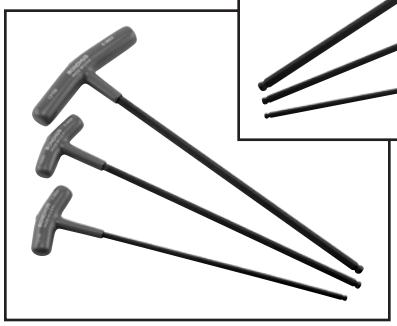
"T" Handle Ball End Hex Wrenches

- Cushion grip for maximum torque
- 10" long arm for hard-to-reach areas
- Allows for entry angle up to 25°







Fractional:
Yellow
Handle

Metric:
Red
Handle

Part No.	Size	Description	Lbs.
6000	3/16"	"T" Handle Hex Wrench	.159
6030	1/4"	"T" Handle Hex Wrench	.380
6110	5/32"	"T" Handle Hex Wrench	.130
6107	4mm	"T" Handle Hex Wrench	.130
6108	5mm	"T" Handle Hex Wrench	.159
6109	6mm	"T" Handle Hex Wrench	.380

Combination Wrenches

- Used to tighten hex nuts when used with T-slot studs
- 7/16" fits 1/4-20 hex nuts
- 1/2" fits 5/16-18 hex nuts
- Forged and chrome-plated

Part No.	Size	Description	Lbs.
6065	7/16"	Combination Wrench	.120
6080	1/2"	Combination Wrench	.145

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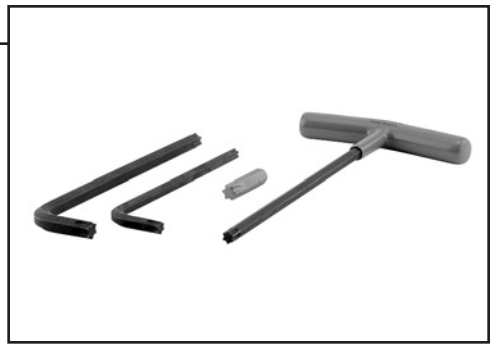
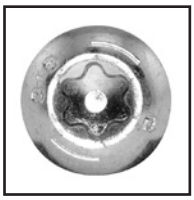
Six Lobe Tools

- **"L" wrench provides higher torque**
- **Power bits for self-tapping screws**
- **"T" handle wrench speeds up assembly**



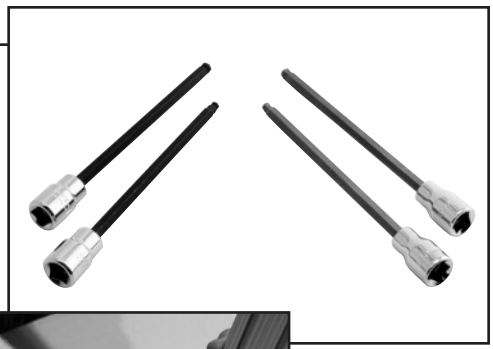


Six Lobe Head Screw

Part No.	Description	Lbs.
6066	Six Lobe "L" Wrench - 40IP	.065
6067	Six Lobe "L" Wrench - 50IP	.134
6073	Six Lobe Power Bit - 40IP	.020
6069	Six Lobe "T" Handle Wrench - 40IP	.350

Ball End Sockets

- **Speeds up assembly time**
- **Use with a 3/8" drive ratcheting or pneumatic socket wrench**
- **Tighten fasteners to specification with a torque wrench**



Part No.	Size	Description	Lbs.
6001	3/16"	Ball End Hex Socket	.152
6002	1/4"	Ball End Hex Socket	.156
6003	5mm	Ball End Hex Socket	.145
6004	6mm	Ball End Hex Socket	.148

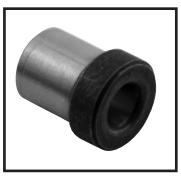
Access Hole Drills

- Drills through profile for access to end fasteners shown on pages 245-247
- Made of highest quality high-speed steel
- Split point style

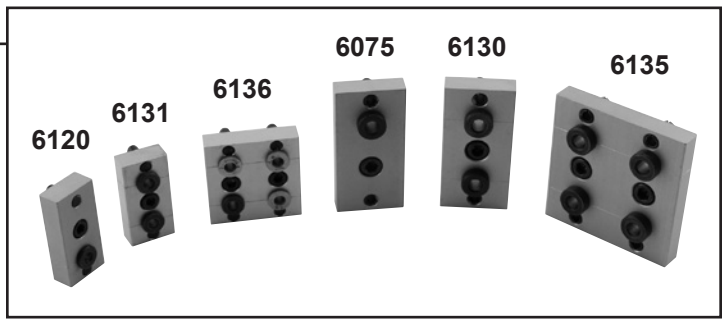
Part No.	Size	Description	Lbs.
6115 ⊠	.201 x 2.30"	10 Series Access Hole Drill	.024
6070	.281 x 2.68"	15 Series Access Hole Drill	.055

⊠ = 10 Series Compatible Part

Access Hole Drill Jigs



6121 or 6076



- Locates access holes precisely
- Hardened dowel pins prevent rotation
- Replaceable, hardened drill bushings
- Locator lines for accurate hole location
- Made of clear anodized 6061-T6 aluminum

Part No.	Size	Description	Lbs.
6120 ⊠	.201"	Access Hole Drill Jig for 1010	.125
6131 ⊠	.201"	Access Hole Drill Jig for 1020	.130
6136 ⊠	.201"	Access Hole Drill Jig for 2020	.220
6121 ⊠	.201"	Replacement Bushing for 10 Series	.049
6075	.281"	Access Hole Drill Jig for 1515	.385
6130	.281"	Access Hole Drill Jig for 1530	.390
6135	.281"	Access Hole Drill Jig for 3030	.785
6076	.281"	Replacement Bushing for 15 Series	.053

⊠ = 10 Series Compatible Part

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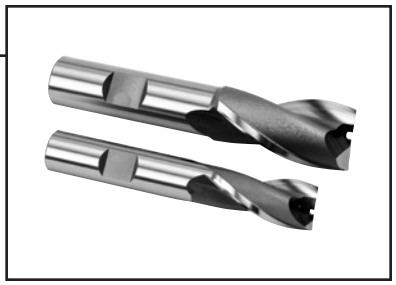
Anchor Fastener Counterbore Cutters



- Two flute center cutting
- Made of high speed steel
- Specially ground for long life

Part No.	Size	Description	Lbs.
6160 ⊠	9/16"	10 Series Counterbore Cutter	.173
6060	13/16"	15 Series Counterbore Cutter	.449

⊠ = 10 Series Compatible Part

Soft Face Mallet

- Won't scratch or mar aluminum
- Maximum controlled striking force without rebound
- Great for assembling Quick Frame or installing T-slot cover
- One-piece urethane construction
- Reinforced with solid steel rod — no exposed metal
- Wraparound texture for secure grip
- Face diameter = 1.20"

Part No.	Description	Lbs.
6055	Soft Face Mallet	.730

ATTITUDE Lapel Pins

- Get your day and project started right with the RIGHT ATTITUDE
- A reminder to keep a good attitude in situations with your boss, banker, the IRS – any distraction that eats up your time and energy!

Part No.	Description	Lbs.
8020	Deluxe ATTITUDE Lapel Pin	.040
8030	Economy ATTITUDE Lapel Pin	.050

Section #12 Pictorial Table Of Contents

How To Order

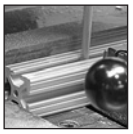
Pages 561-562

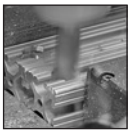
Cut To Length

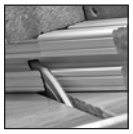
Page 563

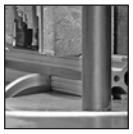
End Tap Drilling

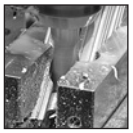
Page 564

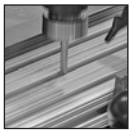
Access Hole Drilling

Pages 565-566

Counterbore Drilling

Pages 567-568

Custom Miter Cuts

Pages 568-569

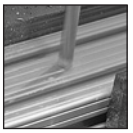
Custom 45º Supports

Page 570

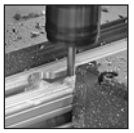
Miter Cut Counterbores

Page 571

Clearance Drill Thru

Pages 572-573

Drill Thru & Counterbore

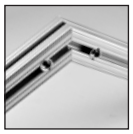
Page 574

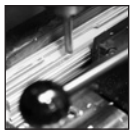
Profile Drill Thru For Manifolds

Page 575

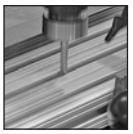
Door Handle Milling Services

Pages 576-577

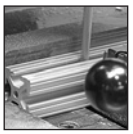
Brake Holes For Linear Bearings

Page 578

Machine for Miter Connector

Page 579

Economy T-Nut Clearance

Page 580

Drill for Central Connector

Page 581

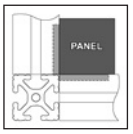
Drill for Slam Latch

Page 582

Panel Cutting, Wire Mesh Shearing

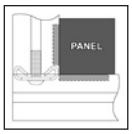
Page 583

Thick Plastic Panel Routing

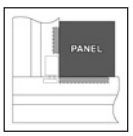
Page 584

Profile Clearance Panel Notch


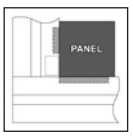
Page 585

End Fastener Panel Notch


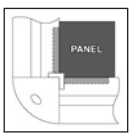
Page 586

Anchor Fastener Panel Notch


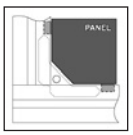
Page 587

Central Connector Panel Notch


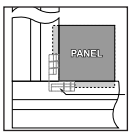
Page 588

Tri-Corner Panel Notch


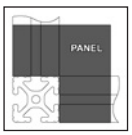
Page 589

Corner Connector Panel Notch


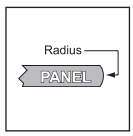
Page 590

Hidden Connector Panel Notch


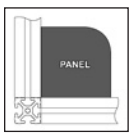
Page 591

Extended Panel Notch


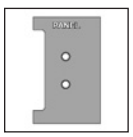
Page 592

Edge Radius Services


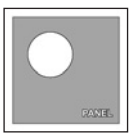
Page 593

Corner Radius Services


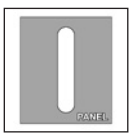
Page 594

Grabber™ Catch Panel Notch


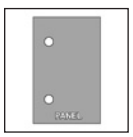
Page 595

Grabber™ Handle Panel Drill Thru


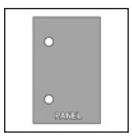
Page 596

Flush Handle Panel Drill Thru


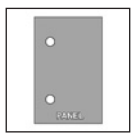
Page 597

Hinge Panel Drill Thru


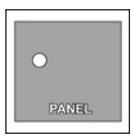
Page 598

Plastic Handle Panel Drill Thru


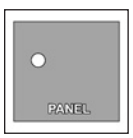
Page 599

Steel Door Handle Panel Drill Thru


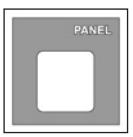
Page 599

Panel Mount Block Panel Drill Thru


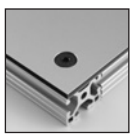
Page 600

Panel Retainer Panel Drill Thru


Pages 600-601

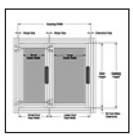
2, 3, and 4 Side Panel Cut-Outs


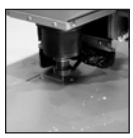
Page 602

Flush Mount Panel Service

Page 603

Miscellaneous Panel Services

Pages 604-605

Bi-Fold Door Configuration

Pages 606-607

Aluminum Plate Machining

Page 608

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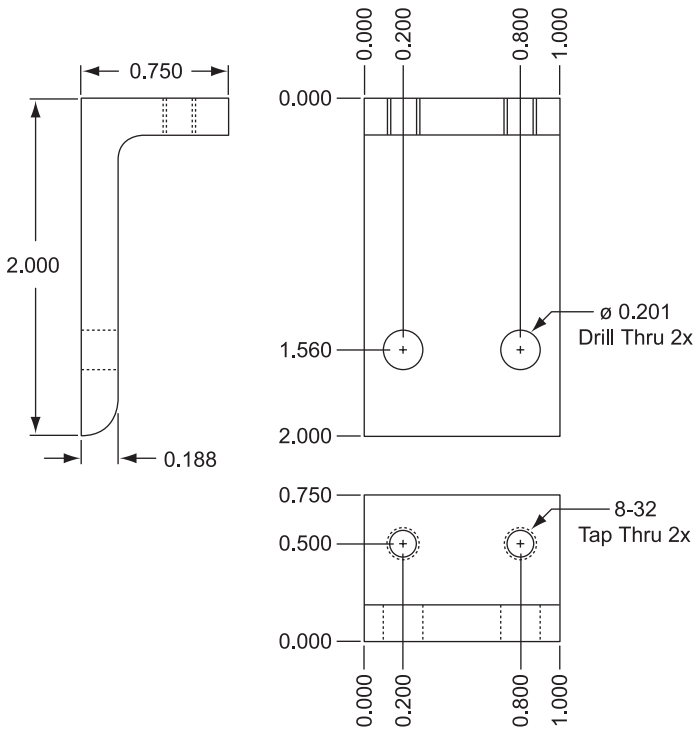
Custom Machining Services

80/20® offers industry-leading custom machining services using any in-stock 80/20 product. If you can dream it, you can build it — the combination of our experienced design team and our top-of-the-line custom machining equipment help make almost anything possible! See below for required information when ordering a custom machined part. Please review the information, and reference the example drawing shown below, to help you understand the setups required to ensure an accurate custom machining order.

Required Information When Ordering Custom Machining

- Specify the product part number when machining an 80/20® product.
- Specify the product finish - anodized, mill, oxide, or other plating.
- We prefer ordinate dimensioning, with zero corner in the upper or lower left.
- CAD files are always best to send electronically, however we will accept faxes. All drawing information must be written clearly and large for easy reading. (80/20 may require a sign off on a redrawn version of your submitted print.)
- Use standard 80/20 machining callouts wherever applicable.
- Use three views where possible; refer to the example shown below.



Aluminum Anodizing is Available In-House at 80/20

80/20 specializes in aluminum milling and machining. To fully support this effort we offer aluminum anodizing in seven primary colors. Our clear anodizing is handled in-house which equals a faster turnaround time for any quantity of custom machined parts.

For more information, log on to www.8020.net and visit the Services and Support section.

How to Order 80/20® Machining Services

Machining services may be required to connect profiles together or mount accessories. To avoid problems during assembly, it is important to list all machining services on your order. When ordering machining services, the services do not need to be listed in any specific order. Be sure to include all quantities and machining placements, and include a drawing if required.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/ UOM	Ext. Price
1	1010	2	18.50"	7042 in A both ends	$.23	$8.51
	1515-Lite-145	5	145.00"	Full length profile	$65.25	$326.25
	3060	4	40.00"	7029 one end	$2.95	$472.00
	3030	4	36.00"	7050 style G in W, X both ends	$1.50	$216.00
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	2611	1	5.25 sf.	1/4" bronze polycarb 1 @ 18" x 40" w/ 7311 per drawing	$10.40	$54.60
4	7150	1		Cut plastic panels all sides < -48"	$10.50	$10.50
	7042	4		10 Series anchor fastener counterbore	$2.25	$9.00
	7005	2		Cut-to-length for 1010	$1.95	$3.90
	7023	4		Cut-to-length for 3060	$2.90	$11.60
	7030	4		Cut-to-length for 3030	$2.60	$10.40
	7050	64		15 Series drill access hole	$1.95	$124.80
	7029	4		5/16-18 tap service for 3060	$15.20	$60.80
	7311	2		Anchor fastener notch for 10 Series	$0.53	$1.06
5	3380	32		15 Series 5/16-18 black zinc end fastener w/ screw	$1.60	$51.20
	2114	16		Gray T-Slot covers for 10 Series	$3.45	$55.20
	2050	8		End caps for 3030	$1.85	$14.80
	3395	4		10 Series anchor fasteners	$2.90	$11.60
	3279	5		15 Series 5/16-18 black zinc double economy T-nut	$0.79	$3.95
	4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	3393	24		10 Series 1/4-20 BHSCS & economy T-nut	$0.40	$9.60
				TOTAL		$1549.17

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: *Must be delivered for assembly by Friday!!!*

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How to Order 80/20® Machining Services continued

Be sure that each ordered machining service references a product on your current order. For example, if you order a piece of 1515 profile that is less than 145" (stock length) you will need to include the cut-to-length service in your order. When finished, your machining order should look like the example below.

When placing your order with 80/20®, list all profiles, panels, machining services, and hardware in separate sections.

Part Number	Quantity	Length	Machining / Part Description
1515	2	84.00"	2 @ 42.00"
7010	2		1515 Cut-To-Length

To make sure you have chosen the correct machining services, carefully read the notations next to the machining description. If you are having difficulty with machining service selections, contact your local 80/20 distributor or call 260-248-8030 for free design assistance.

80/20 Machining Service Considerations

- **Save time and labor costs - have 80/20 machine it for you**
- **Easy-to-use instructions on how to place an order with machining**
- **Opportunity to customize your project to your specifications**
- **Your order will arrive at your door machined, cleaned, and ready to assemble**
  (Remember to order your tools!)

Legend for Icons

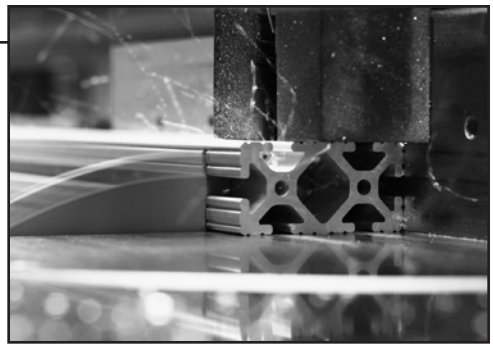
This part is 10 Series compatible

This part can use double economy T-nuts
(see bolt kit table P on page 268)

This part can use triple economy T-nuts
(see bolt kit table Q on page 268)

Cut-To-Length Service

- All 80/20® cuts are set to a hard stop, ensuring identical length
- All profiles are deburred, washed, dried and wrapped before shipping
- Reduce shipping time and cost by ordering 97" profiles that can ship via UPS
- All cut tolerances are +/- .015"
- Square tolerance on all cuts is .002" per inch max



Cut-To-Length For T-Slotted Profiles

Part No.	Applicable Profiles	Cut Squareness	Cut Tolerance
7005 ⌘	1001, 1002, 1003, 1004, 1010, 1012 & 1050	.002 / in	+/- .015
7000 ⌘	1020 & 2012	.002 / in	+/- .015
7003 ⌘	1030	.002 / in	+/- .015
7012 ⌘	2020	.002 / in	+/- .015
7013 ⌘	2040	.002 / in	+/- .015
7010	1501, 1502, 1503, 1504, 1515-UL,1515-Lt, 1515, 1517, 1534-Lt, 1547, 1501-LS, 1502-LS, 1503-LS, 1504-LS, 1515-ULS, 1515-LS, 1515-S, 1517-LS & 1575	.002 / in	+/- .015
7020	1530, 1530-Lt, 1530-LS, 1530-S, 3034-Lt & 3075	.002 / in	+/- .015
7021	1545 & 1545-S	.002 / in	+/- .015
7030	3030, 3030-Lt, 3030-LS & 3030-S	.002 / in	+/- .015
7023	3060	.002 / in	+/- .015

⌘ = 10 Series Compatible Part

Cut-To-Length For Quick Frame

Part No.	Applicable Profiles	Cut Squareness	Cut Tolerance
7310	9000, 9005, 9010, 9015, 9025, 9030, 9035	.002 / in	+/- .015

Cut-To-Length For Structural Shapes

Part No.	Series	Applicable Profiles	Cut Squareness	Cut Tolerance
7001	10 & 15	.750" Round Rod	.002 / in	+/- .015
7205	10 & 15	1.000" Round Bar Stock	.002 / in	+/- .015
7210	10 & 15	1.500" Round Bar Stock	.002 / in	+/- .015
7213	10 & 15	2.000" Round Bar Stock	.002 / in	+/- .015
7212	10 & 15	Shapes w/ All Profile Sides Less Than 3.250"	.002 / in	+/- .015
7224	10 & 15	Shapes w/ Any Profile Side 3.250" or Greater	.002 / in	+/- .015

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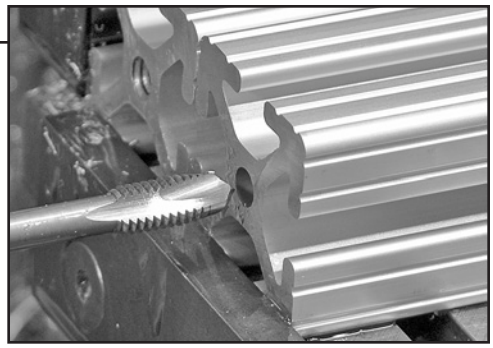
Profile End Tap Service



- **T-slotted profiles have a tap drill diameter hole extruded through the length of the profile**
- **End taps allow for insertion of the bolt for mounting end fasteners and accessories**
- **Call out the profile's left or right end when ordering end taps**
- **10 Series extruded tap drill diameter is .205"**
- **15 Series extruded tap drill diameter is .262"**

Part No.	Tap Size	Minimum Depth	Applicable Profiles
7061 ⊠	1/4-20	1.125	1001, 1002, 1003, 1004, 1010 & 1012
7063 ⊠	M6 x 1.00	1.125	1001, 1002, 1003, 1004, 1010 & 1012
7006 ⊠	10-32	.875	1050
7007 ⊠	M5 x 0.80	.875	1050
7008 ⊠	10-32	.875	2012
7009 ⊠	M5 x 0.80	.875	2012
7046 ⊠	1/4-20	1.125	1020
7047 ⊠	M6 x 1.00	1.125	1020
7036 ⊠	1/4-20	1.125	1030
7037 ⊠	M6 x 1.00	1.125	1030
7064 ⊠	1/4-20	1.125	2020
7067 ⊠	M6 x 1.00	1.125	2020
7038 ⊠	1/4-20	1.125	2040
7039 ⊠	M6 x 1.00	1.125	2040
7035*	1/8 NPT	–	1501, 1502, 1503, 1504, 1515-UL,1515-Lt, 1515, 1517, 1547, 1501-LS, 1502-LS, 1503-LS, 1504-LS, 1515-ULS, 1515-LS, 1515-S, 1517-LS
7060	5/16-18	1.250	
7059	M8 x 1.25	1.250	
7025*	3/8-16	1.500	
7053*	M10 x 1.50	1.500	
7054*	7/16-14	1.500	
7014	5/16-18	1.250	1534-Lt & 1575
7015	M8 x 1.25	1.250	1534-Lt & 1575
7016	5/16-18	1.250	3034-Lt & 3075
7017	M8 x 1.25	1.250	3034-Lt & 3075
7045	5/16-18	1.250	1530, 1530-Lt, 1530-LS & 1530-S
7048	M8 x 1.25	1.250	1530, 1530-Lt, 1530-LS & 1530-S
7024*	3/8-16	1.250	1530, 1530-Lt, 1530-LS & 1530-S
7032*	M10 x 1.50	1.500	1530, 1530-Lt, 1530-LS & 1530-S
7033*	7/16-14	1.500	1530, 1530-Lt, 1530-LS & 1530-S
7049*	3/8-16	1.250	1545 & 1545-S
7026	5/16-18	1.250	1545 & 1545-S
7028	M8 x 1.25	1.250	1545 & 1545-S
7052*	3/8-16	1.250	3030, 3030-Lt, 3030-LS & 3030-S
7055	5/16-18	1.250	3030, 3030-Lt, 3030-LS & 3030-S
7056	M8 x 1.25	1.250	3030, 3030-Lt, 3030-LS & 3030-S
7057*	3/8-16	1.250	3060
7029	5/16-18	1.250	3060
7031	M8 x 1.25	1.250	3060

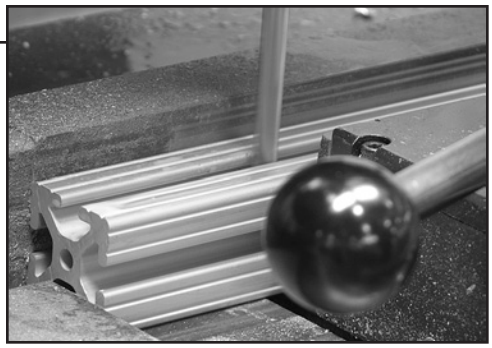
⊠ = 10 Series Compatible Part

* 3/8-16, 7/16-14, 1/8-NPT & M10 taps require a predrilling operation (included).

We specialize in FAST™ *same day shipments!*

Access Hole Drilling Service

- **Access holes are required when using an end fastener for a profile connection**
- **Machined hole gives access to the hex head of end fastener screw**
- **Please specify quantity clearly; access holes are ordered per hole**
- **See below for access hole designations**

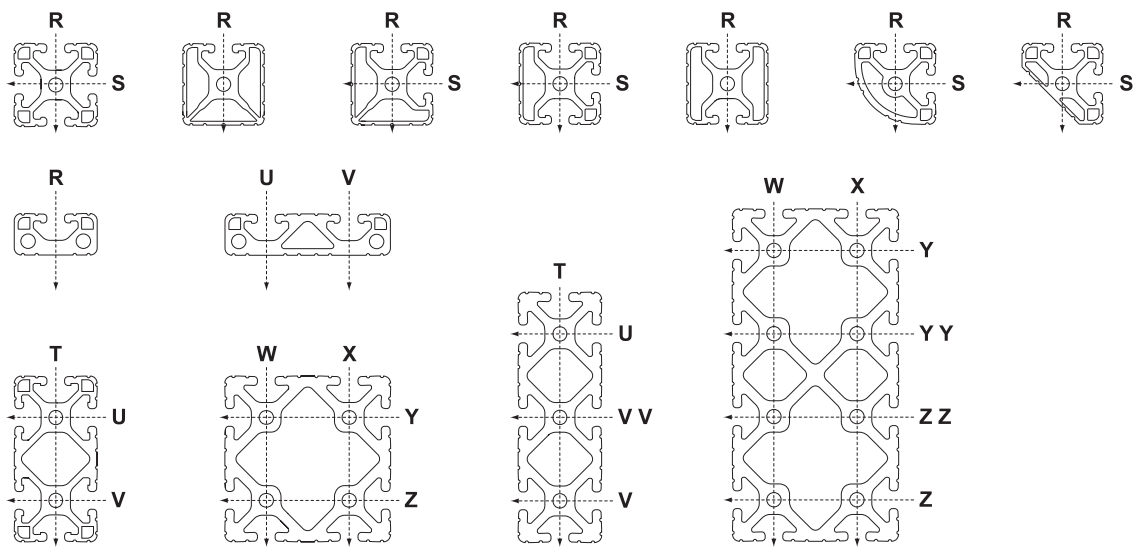


Part No.	Hole Diameter
7051 ⊠	.218
7050	.295

⊠ = 10 Series Compatible Part

Ordering Example: (2) 1530 x 35.75 w/ #7050 in slot T at .75" and in slot U at .75" from Left End

Access Hole Designations



Note: All access hole "Styles" are drilled to the predetermined locations (see the following page). When ordering "Open Style" (customer defined location) access holes a drawing must be provided.

DO NOT CHAIN DIMENSION YOUR DRAWING!

Left End

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Access Hole Ordering Details

When ordering T-slotted profiles with access holes, it is important to include specific details to make sure the machining matches your specifications exactly. We have created access hole "Styles" to help make ordering this service an easier process. Reference the ordering example and the style listing (below) for the proper ordering method.

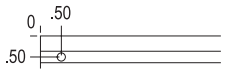
When placing your order with 80/20®, list all profiles, panels, machining services, and hardware in separate sections.

Part Number	Quantity	Length	Machining / Part Description
7050	8		Style B In R Both Ends
7010	2		1515 Cut-To-Length
1515	2	84.00"	2 @ 42.00"

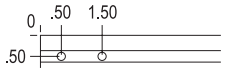
Step #1 Indicate the service number.
Step #2 Select the style.
Step #3 Designate the T-slot location.
Step #4 List the profile end (separately).

These steps are a "Must Do" when ordering access holes. If you require an access hole that does not apply to any of the styles listed below, refer to the "Open Style" ordering example listed on the previous page.

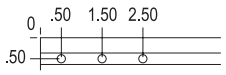
10 Series Access Hole Drilling Styles



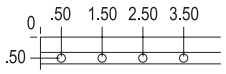
Style "C" (.218" Dia Drill Thru)



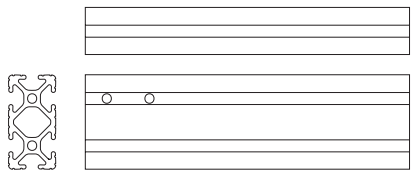
Style "D" (.218" Dia Drill Thru)



Style "H" (.218" Dia Drill Thru)

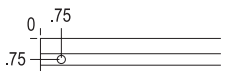


Style "J" (.218" Dia Drill Thru)



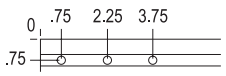
Ordering Example:
(1) 1020 x 12.00" w/ #7051 Style D in U left end.

15 Series Access Hole Drilling Styles

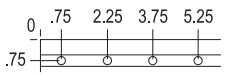


Style "A" (.295" Dia Drill Thru)

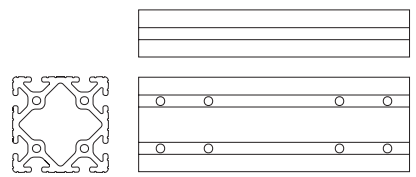
Style "B" (.295" Dia Drill Thru)



Style "F" (.295" Dia Drill Thru)



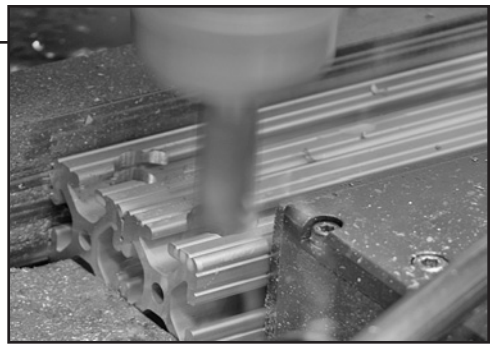
Style "G" (.295" Dia Drill Thru)



Ordering Example:
(1) 3030 x 12.00" w/ #7050 Style B in
Y and Z left end, #7050 Style B in Y and Z right end.

Anchor Fastener Counterbore Service

- **Anchor fastener counterbores are required when using an anchor or butt fastener for a profile connection**
- **A counterbore allows the anchor fastener face to be flush with the profile surface**
- **See below for counterbore T-slot designations**

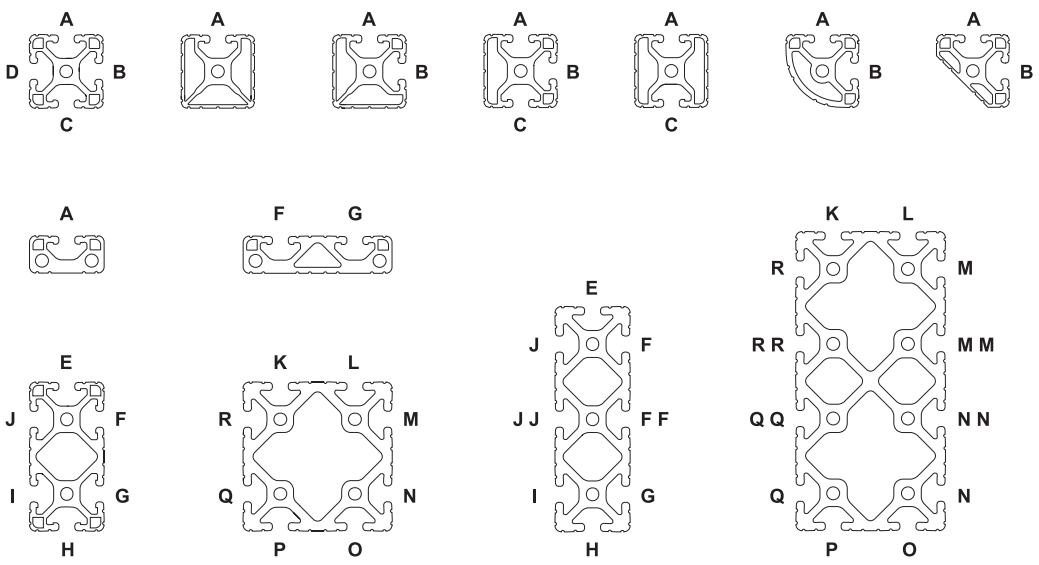


Part No.	Fastener Type	Counterbore Size
7042 ⌘	Anchor Fastener	.563 Diameter x .425 Deep
7043 ⌘	Butt Fastener	
7040	Anchor Fastener	.812 Diameter x .660 Deep
7041	Butt Fastener	

⌘ = 10 Series Compatible Part

Ordering Example: (3) 1530 x 35.75 w/ #7040 at F, G, in Left End and at H in Right End

Anchor Fastener Designations



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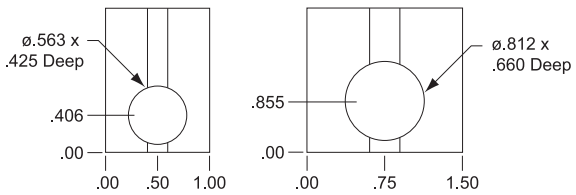
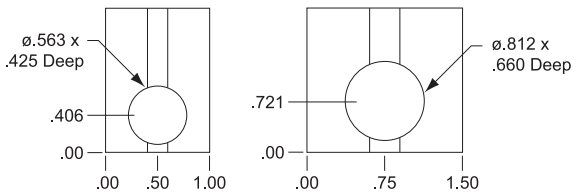
Do-It-Yourself Counterbore Details

Anchor Counterbore Details



10 Series 15 Series

Butt Fastener Counterbore Details



10 Series 15 Series

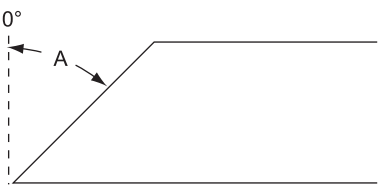
Custom Miter Cut Service

- **T-slotted profiles can be miter cut to angles of 15º to 90º or 30º to 90º for select profiles (with the exception of the 3060 profile, which can only be cut to an angle of 45º across the six inch side)**
- **Unique structural shapes may also be made with mitered end connections**
- **Please submit a drawing of your mitered shapes with your order; this allows us to completely understand your needs**

Part No.	Series	Applicable Profiles	Minimum Angle*	Maximum Angle*
7066 ⊠	10	1001, 1002, 1003, 1004, 1010, 1012 & 1050	0º	75º
7070 ⊠	10	1020 & 2012	0º	75º
7072 ⊠	10	1030	0º	75º
7071 ⊠	10	2020	0º	75º
7073 ⊠	10	2040	0º	60º
7065	15	1501, 1502, 1503, 1504, 1515-UL,1515-Lt, 1515, 1517, 1534-Lt, 1547, 1501-LS, 1502-LS, 1503-LS, 1504-LS, 1515-ULS, 1515-LS, 1515-S, 1517-LS & 1575	0º	75º
7075	15	1530, 1530-Lt, 1530-LS, 1530-S, 3034-Lt & 3075	0º	60º
7076	15	1545 & 1545-S	0º	60º
7085	15	3030, 3030-Lt, 3030-LS & 3030-S	0º	60º
7087	15	3060	0º	45º
7261	10 / 15	Structural Shapes	0º	75º

⊠ = 10 Series Compatible Part

* Minimum and maximum angle refers to Dimension A.



See next page for miter cut worksheet →

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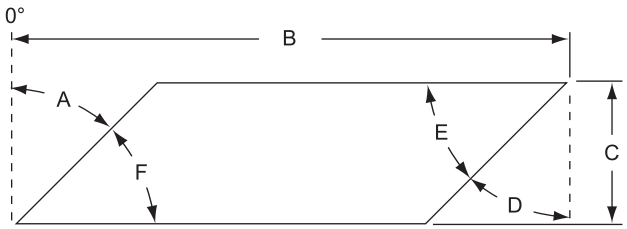
Profile Miter Cut Worksheet

All T-slotted profiles may have miter cuts from 0º to 75º, EXCEPT for 3060 which can only be cut along the long side at 0º to 45º and 40-8016 which can only be cut along the long side at 0º to 40º. Example shown below:



Ordering Example:
(4) 1530 x 43.18" w/ #7075 in Left End and w/ #7075 in Right End per drawing.

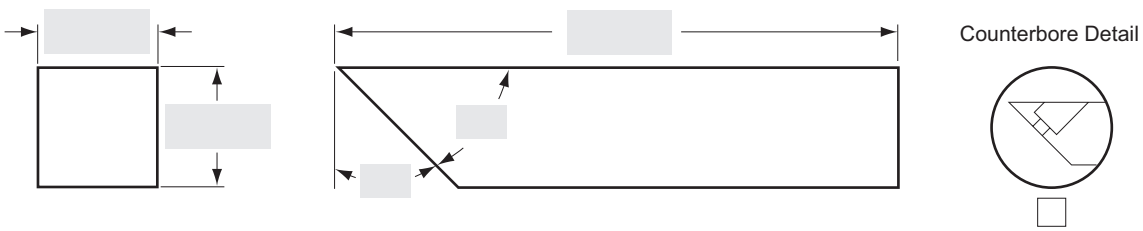
A = 30º **B** = 43.18" **C** = 3.00"
D = 45º **E** = 45º **F** = 60º

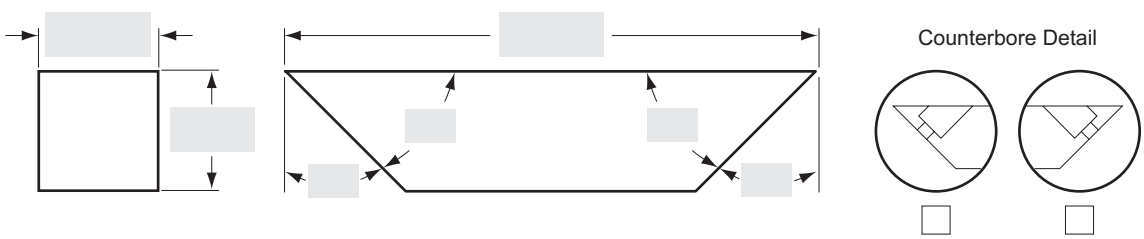
AutoQuoterX™ always indicates material removed from the profile. (See dimension reference A and D)

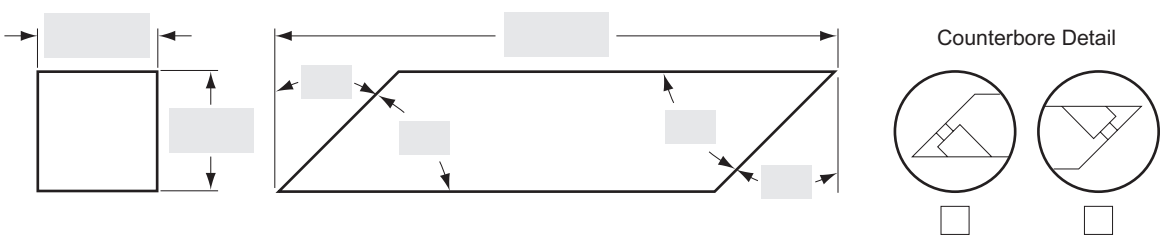
Note: Structural shape minimum angle is dependent on profile size

www.8020.net/techtoolintro.asp

T-Slotted Extrusion Dimensions
(Be sure to complete all required fields)







NOT to Scale Standard Tolerances: Profile Cut to Length +/- .015 • Angular Tolerance +/- 1º

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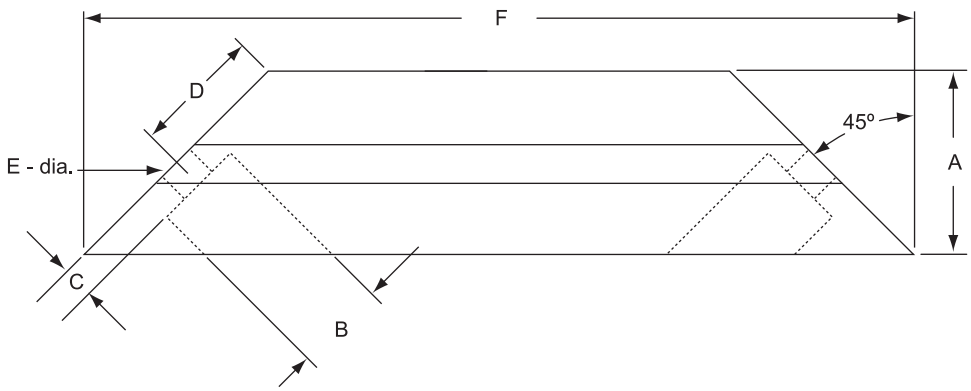
Custom 45º Supports

- **Create 45º supports without use of external joining plates**
- **Custom lengths to your specifications up to 72 inches long**
- **10 Series includes 1/4-20 x 5/8 SHCS, washer and economy T-nut for mounting to T-slots**
- **15 Series includes 5/16-18 x 3/4 SHCS, washer and economy T-nut for mounting to T-slots**



Part No.	Profile Part No.	A	B	C	D	E	F
7081 ⊠	1001, 1002, 1003, 1004, & 1010	1.000	.625	.250	.707	.257	Custom
7084 ⊠	1020	1.000	.625	.250	.707	.257	Custom
7086 ⊠	1030	1.000	.625	.250	.707	.257	Custom
7080	1501, 1502, 1503, 1504, 1515-UL,1515-Lt, 1515, 1501-LS, 1502-LS, 1503-LS, 1504-LS, 1515-ULS, 1515-LS, 1515-S	1.500	.750	.250	1.125	.328	Custom
7090	1530, 1530-Lt, 1530-LS & 1530-S	1.500	.750	.250	1.125	.328	Custom
7093	1545 & 1545-S	1.500	.750	.250	1.125	.328	Custom

⊠ = 10 Series Compatible Part

Ordering Example:
(2) 1530 x 23.625 w/ #7090 Miter Cut and Counterbore, F = 23.625

Note: The Center line of the counterbore matches the center line of the profile's designated T-slot.

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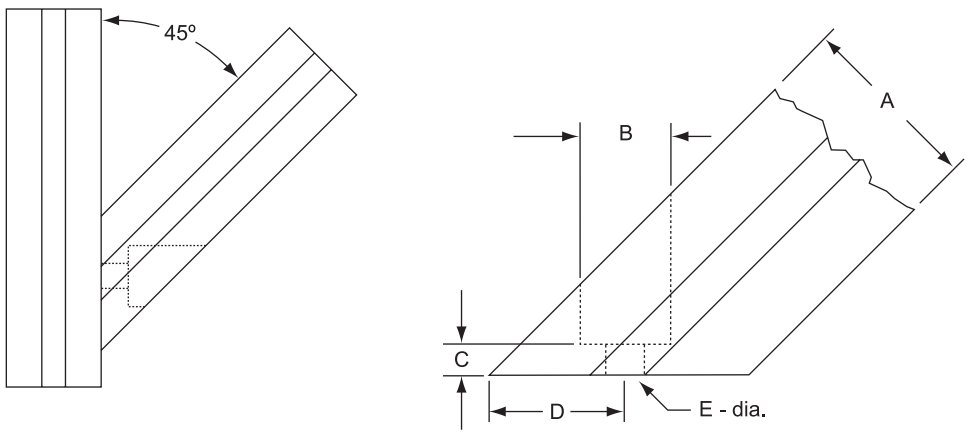
Miter Cut Counterbores

- Counterbores are available for miter cuts with angles of 30º to 60º
- Length of profile to be counterbored must be less than or equal to 72 inches
- Each service ordered is for one end only
- 10 Series includes 1/4-20 x 5/8 SHCS, washer and economy T-nut for mounting to T-slots
- 15 Series includes 5/16-18 x 3/4 SHCS, washer and economy T-nut for mounting to T-slots



Part No.	Profile Part No.	A	B	C	D	E
7083 ⊠	1001, 1002, 1003, 1004, & 1010	1.000	.625	.250	.707	.257
7079 ⊠	1020	1.000	.625	.250	.707	.257
7074 ⊠	1030	1.000	.625	.250	.707	.257
7082	1501, 1502, 1503, 1504, 1515-UL,1515-Lt, 1515, 1501-LS, 1502-LS, 1503-LS, 1504-LS, 1515-ULS, 1515-LS, 1515-S	1.500	.750	.250	1.125	.328
7092	1530, 1530-Lt, 1530-LS & 1530-S	1.500	.750	.250	1.125	.328
7094	1545 & 1545-S	1.500	.750	.250	1.125	.328

⊠ = 10 Series Compatible Part

Ordering Example:
(2) 1515 x 14.000" w/ #7065 @ 45º Left End Per Drawing and #7082 Left End

Note: The Center line of the counterbore matches the center line of the profile's designated T-slot.

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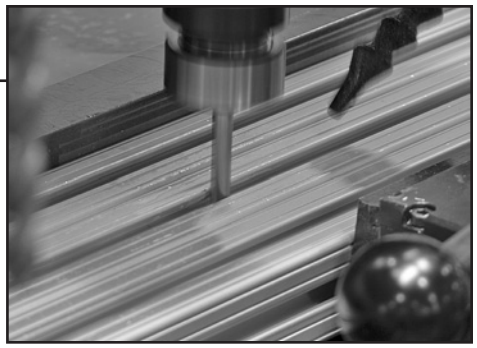
Clearance Drill Thru For T-Slotted Profiles - In Slot

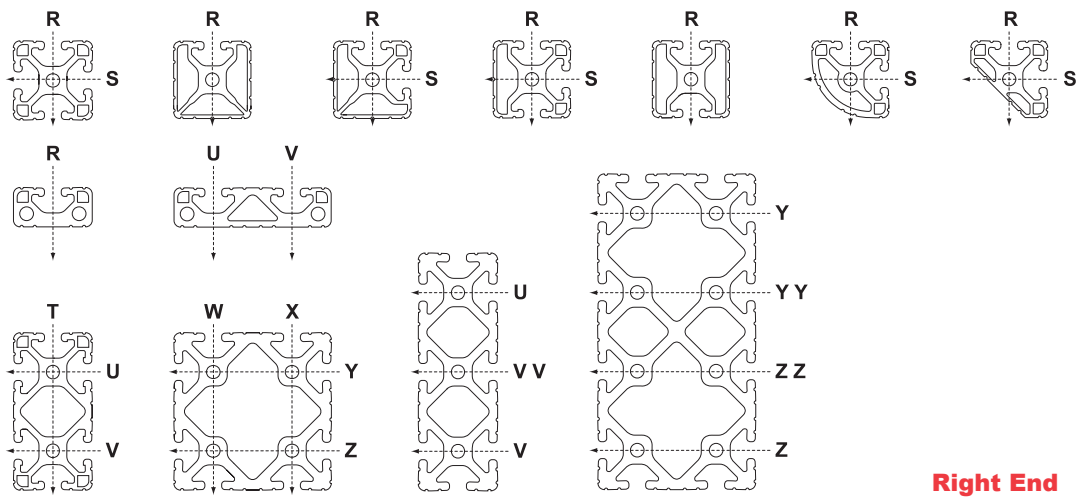


- **Provides clearance for stem casters or leveling feet**
- **Hole locations are in the slot. See the designation charts and ordering examples below**
- **Refer to Section 8, Floor to Frame, for all the fractional casters, leveling mounts and other floor to frame options**

Part No. - Hole in Slot	Hole Diameter	Compatibility Codes*
7244	.257	6-10, 6-25, 8-15, 8-30, 8-40, 10-45
7246	.328	6-10, 6-25, 8-15, 8-30, 8-40, 10-45
7248	.437	6-10, 6-25, 8-15, 8-30, 8-40, 10-45
7240	.563	8-15, 8-30, 8-40, 10-45

Ordering Example:
(2) 1530 x 24.00" w/ #7248 in T @ 1.50" and 22.50" from Left End

Hole in T-Slot Designation Chart



Right End

Left End

* See Compatibility Code information on page 152.

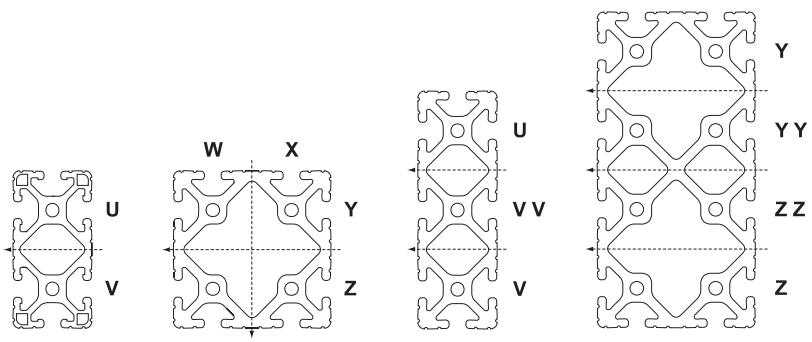
Clearance Drill Thru For T-Slotted Profiles - Between Slots

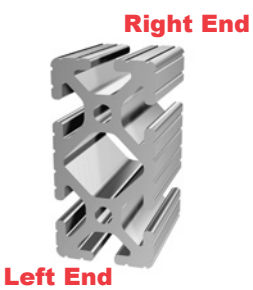
- **Provides clearance for stem casters or leveling feet**
- **Hole locations are between the slots. See the designation charts and ordering examples below**
- **Refer to Section 8, Floor to Frame, for all the fractional casters, leveling mounts and other floor to frame options**

Part No. - Hole Between Slots	Hole Diameter	Compatibility Codes*
7241	.257	6-10, 6-25, 8-15, 8-30, 8-40, 10-45
7243	.328	6-10, 6-25, 8-15, 8-30, 8-40, 10-45
7245	.437	6-10, 6-25, 8-15, 8-30, 8-40, 10-45
7247	.563	8-15, 8-30, 8-40, 10-45

Ordering Example:
(2) 1530 x 24.00" w/ #7247 between U and V @ 1.50" from Left End

Hole Between T-Slots Designation Chart





* See Compatibility Code information on page 152.

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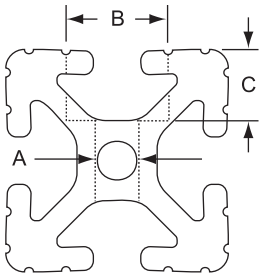
Drill Thru & Counterbore for T-Slotted Profiles

- **Machined hole for bolting through T-slotted profiles**
- **Please specify quantity clearly; drill and counterbore services are ordered per hole**
- **See below for drill and counterbore designations**
- **See page 564 for end tap services**
- **See pages 249-251 for fasteners**

Part No.	Series	A	B	C
7256 ⌘	10	.257	.406	.325
7257	15	.328	.531	.485

⌘ = 10 Series Compatible Part

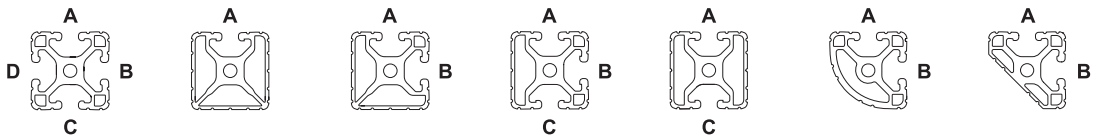
Ordering Example:
(2) 1530 x 24.000 w/ #7257 in F @ .750" and 23.500" from Left End

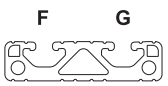


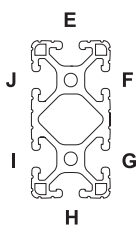
Right End

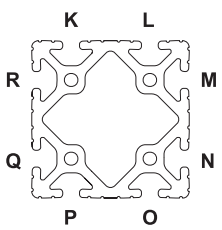
Left End

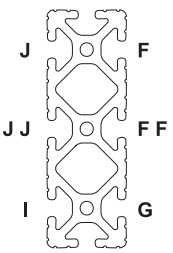
Drill Thru & Counterbore Designations

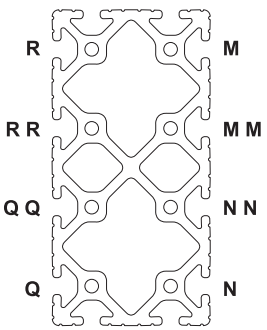












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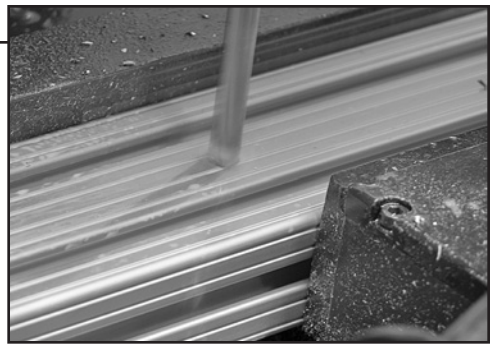
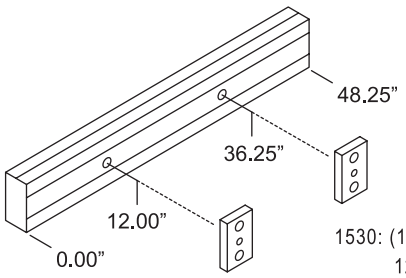
Drill Thru Profile Wall For Manifold Plates

- **Reference hole locations by specifying "between" T-slot designations**
- **Refer to pages 451-453 for full offering of profile pressure manifold plates and accessories**
- **Eliminates the need for custom machining**
- **This service drills thru one profile wall only**



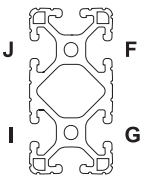


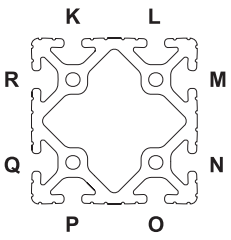
Ordering Example:
1530: (1) @48.25" w/ #7068 btwn F and G @ 12.00" and 36.25" from Left End

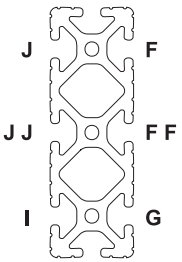
Part No.	Hole Diameter
7062 ⊠	.328
7068	.375

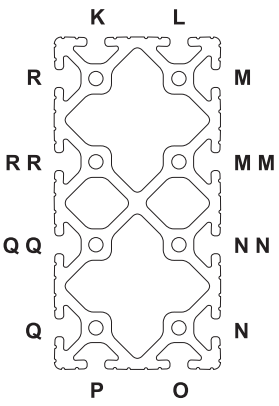
⊠ = 10 Series Compatible Part

Manifold Plate Drill Thru Designations









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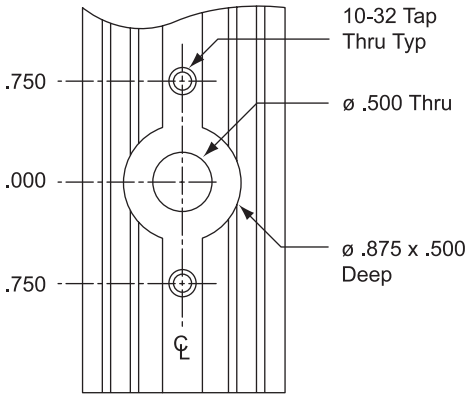
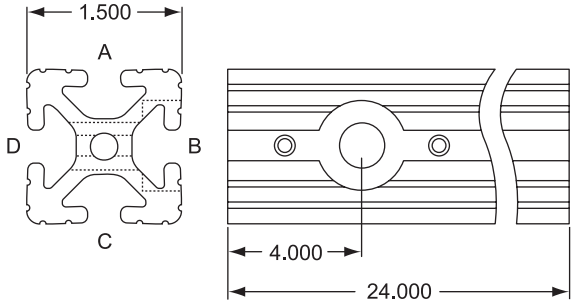
Deluxe Door Handle Milling Service

- **To order, specify distance from the left end to the 0.00" point**
- **Refer to page 381 for full offering of deluxe door handles**
- **15 Series compatible - handle mounts through 1.50" dimension only**

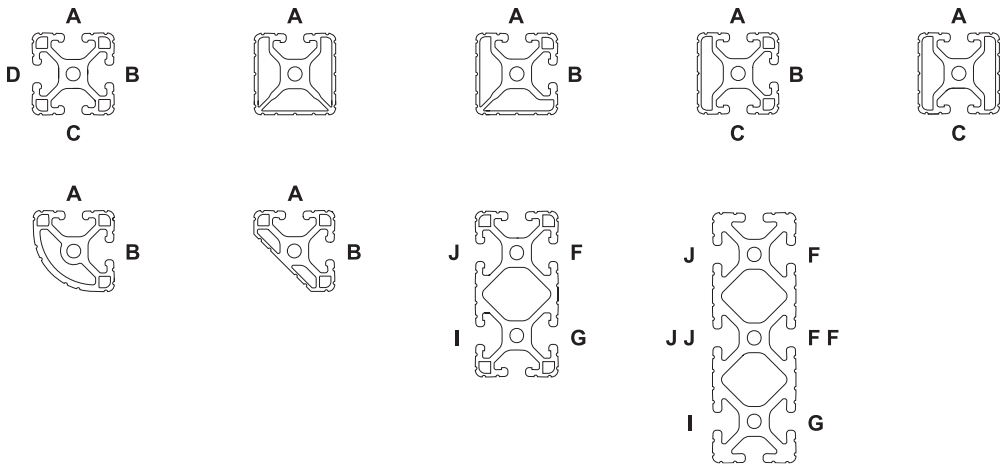




Ordering Example:
(1) 1515 x 24.00" w/ #7305 in B @ 4.00 inches from left end.

Part No.	Series	Bore Size (Depth)
7305	15	ø.875 x (.500)

Deluxe Door Handle Machining Designations



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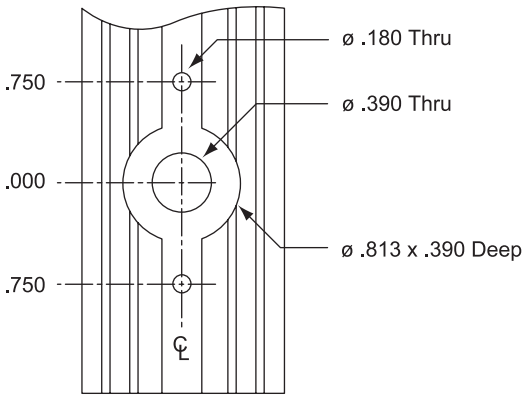
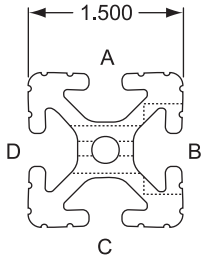
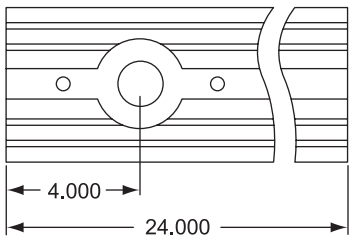
Furniture Style Handle Milling Service

- **To order, specify distance from the left end to the 0.00" point**
- **Refer to page 382 for our full offering of furniture style handles**
- **Handle mounts through 1.00" and 1.50" dimension only**





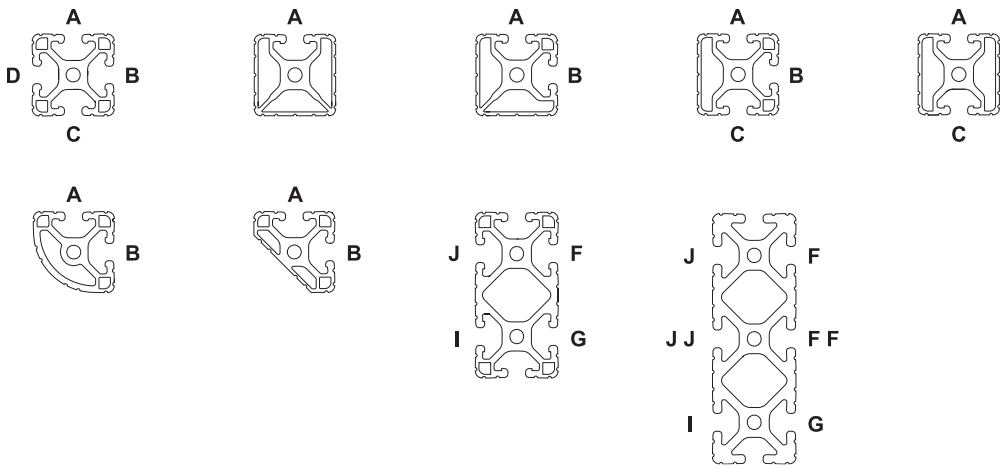


Ordering Example:
(1) 1515 x 24.00" w/ #7315 in B @ 4.00 inches from left end.

Part No.	Series	Bore Size (Depth)
7315 ⊠	10 & 15	ø.813 x (.390)

⊠ = 10 Series Compatible Part

Furniture Style Handle Machining Designations



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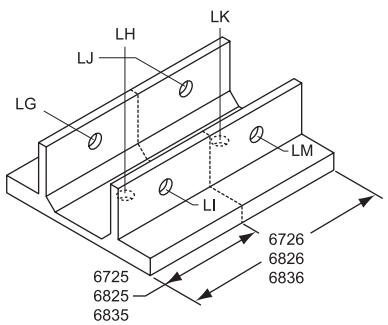
Brake Holes For Linear Bearings

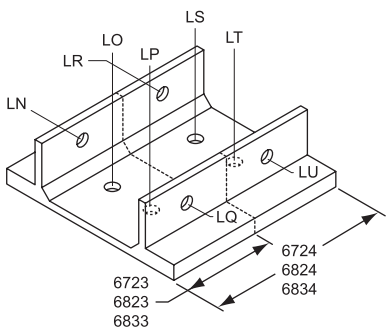
- **Easily add bearing brake kits found on page 346**
- **Our brake hole location system makes ordering a quick and simple process**
- **Refer to page 527 for our line of brake kit-ready linear bearings**

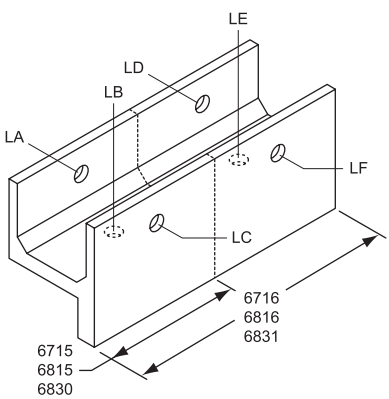
Ordering Example:
(1) 6724 w/ #7401
@ LN, LR, LQ and LU

Part No.	Hole Diameter
7401 ⊠	.265
7400	.344

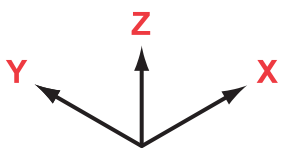
⊠ = 10 Series Compatible Part







Part No.	Hole Locations	X	X*	Y	Z
6715 / 6716*	LA	.937	1.000	–	1.562
	LB	.937	1.000	.812	–
	LC	.937	1.000	–	1.562
6716*	LD	–	3.000	–	1.562
	LE	–	3.000	.812	–
	LF	–	3.000	–	1.562
6725 / 6726*	LG	.937	1.000	–	.812
	LH	.937	1.000	1.468	–
	LI	.937	1.000	–	.812
6726*	LJ	–	3.000	–	.812
	LK	–	3.000	1.468	–
	LM	–	3.000	–	.812
6723 / 6724*	LN	.937	1.000	–	.812
	LO	.937	1.000	2.468	–
	LP	.937	1.000	1.468	–
	LQ	.937	1.000	–	.812
6724*	LR	–	3.000	–	.812
	LS	–	3.000	2.468	–
	LT	–	3.000	1.468	–
	LU	–	3.000	–	.812
6815 / 6830 6816* / 6831*	LA	1.406	1.500	–	2.125
	LB	1.406	1.500	1.250	–
	LC	1.406	1.500	–	2.125
6816* / 6831*	LD	4.500	–	–	2.125
	LE	4.500	–	1.250	–
	LF	4.500	–	–	2.125
6825 / 6835 6826* / 6836*	LG	1.406	1.500	–	1.235
	LH	1.406	1.500	2.000	–
	LI	1.406	1.500	–	1.235
6826* / 6836*	LJ	4.500	–	–	1.235
	LK	4.500	–	2.000	–
	LM	4.500	–	–	1.235
6823 / 6833 6824* / 6834*	LN	1.406	1.500	–	1.235
	LO	1.406	1.500	3.500	–
	LP	1.406	1.500	2.000	–
	LQ	1.406	1.500	–	1.235
6824* / 6834*	LR	4.500	–	–	1.235
	LS	4.500	–	3.500	–
	LT	4.500	–	2.000	–
	LU	4.500	–	–	1.235



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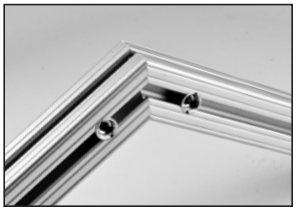
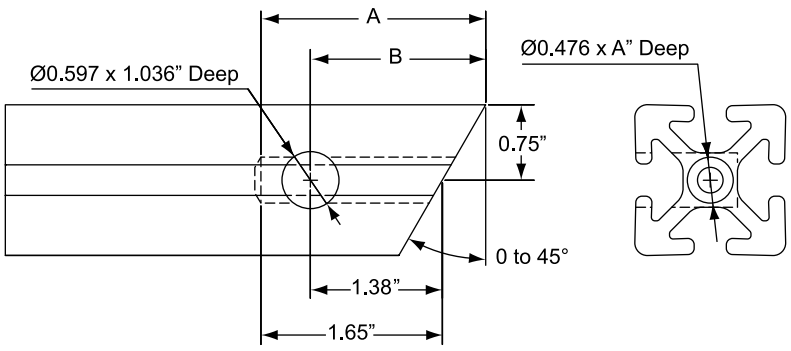
Machining Service for Miter Connector

- **Miter connector counterbores are required when using a miter connector for a profile connection**
- **A counterbore allows the miter connector face to be flush with the profile surface**
- **See page 247 for miter connector**
- **See below for counterbore T-slot designations**

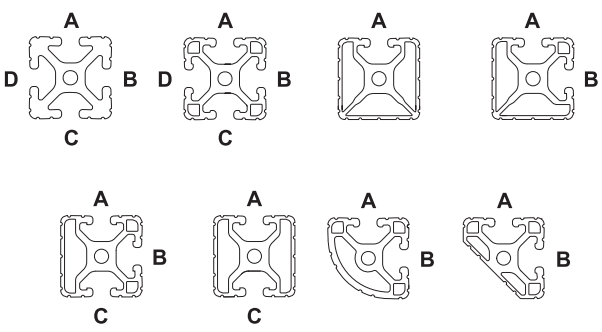




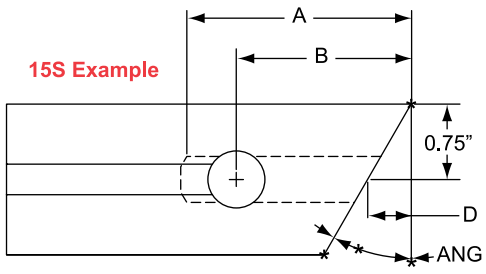
NEW!

Part No.	Compatibile Profiles
7110	1515-UL, 1515-Lite, 1515, 1517, 1547, 1501, 1502, 1503, 1504, 1515-ULS, 1515-LS, 1515-S, 1517-LS, 1501-LS, 1502-LS, 1503-LS, 1504-LS

15 Series						
Bar Cut Angle (0-45):	ANG	7.5	15	22.5	30	45
Miter Offset:	D	0.099	0.201	0.311	0.433	0.750
12.1mm Dia Drill Depth:	A	1.752	1.855	1.964	2.087	2.404
15.2mm C-Bore from End of Bar:	B	1.437	1.540	1.649	1.772	2.089



15S Example



ANG = 30°
D = 0.75" x tan ANG
A = 1.654" + D
B = 1.378" + D

D = 0.433"
A = 2.126"
B = 1.772"

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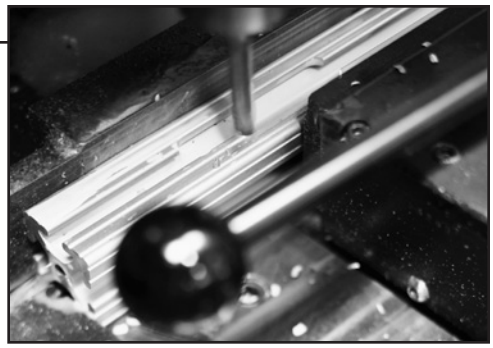
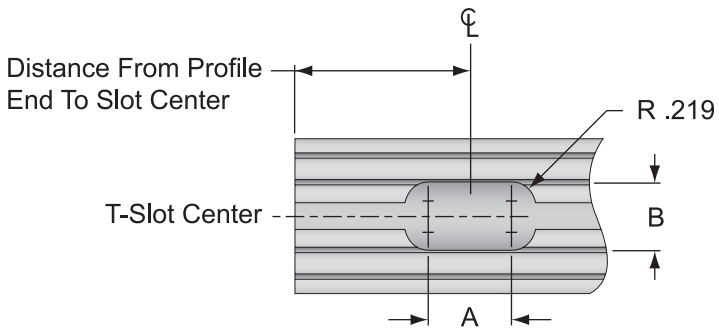
Economy T-Nut Clearance

- **Machined clearance for economy T-nut**
- **Please specify quantity clearly; T-nut clearance services are ordered per hole**
- **Slot length tolerance +/- .030”**
  Slot width tolerance +/- .010”
- **See below for T-nut clearance designations**
- **See pages 226-228 for economy T-nuts**



Ordering Example: (2) 1010 x 18.000 w/ #7098 in A @ 3.00 and 15.00 from Left End

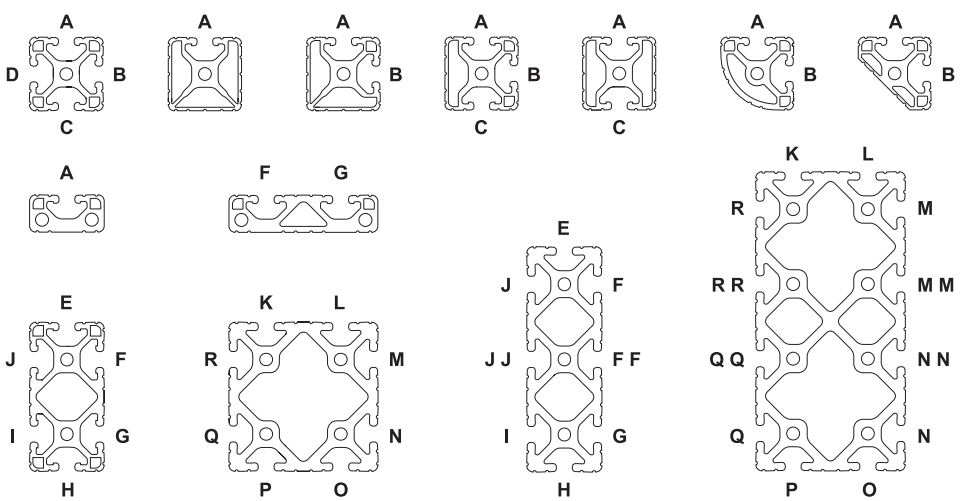


Part No.	Works With	Slot Length “A” Center to Center	Slot Width “B” Overall
7098 ⌘	Single	0.625	0.505
7101 ⌘	Double	1.625	0.505
7103 ⌘	Triple	2.203	0.505

Part No.	Works With	Slot Length “A” Center to Center	Slot Width “B” Overall
7099	Single	0.763	0.700
7102	Double	2.638	0.700
7104	Triple	3.198	0.700

⌘ = 10 Series Compatible Part

Economy T-Nut Clearance Designations



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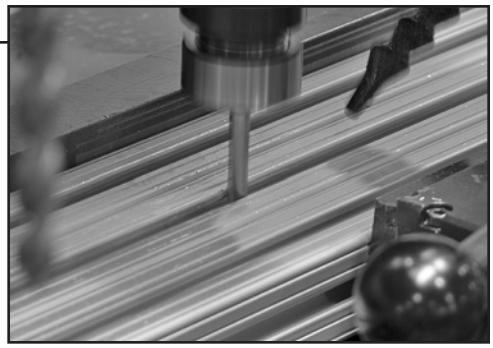
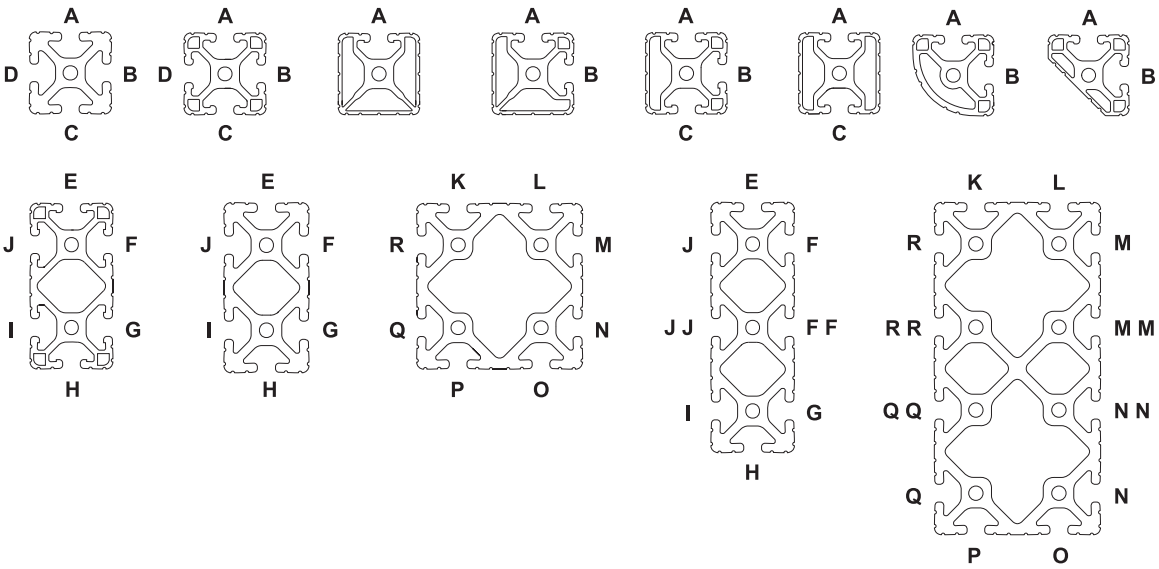
Machining Service for Central Connector

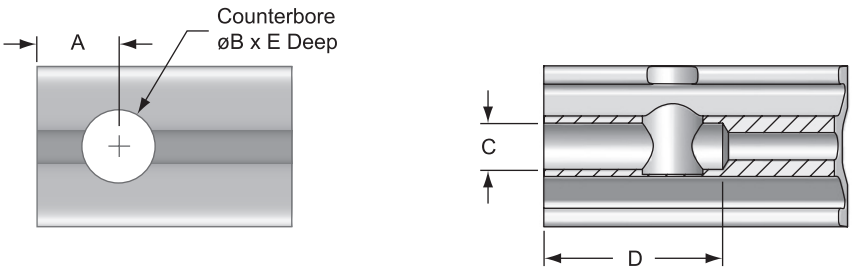
- **Two operations are performed with this service. The profile end hole is drilled and the T-slot is counterbored**
- **Designate the T-slot that requires the counter bore; either A, B, C or D**
- **Designate Left End or Right End of the profile.**



Part No.	Description	A	B	C	D	E
7058	Machining Service for Central Connector	1.260	.596	.453	1.750	1.025



Central Connector Machining Details



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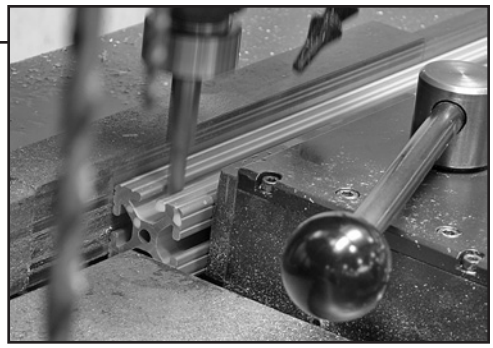
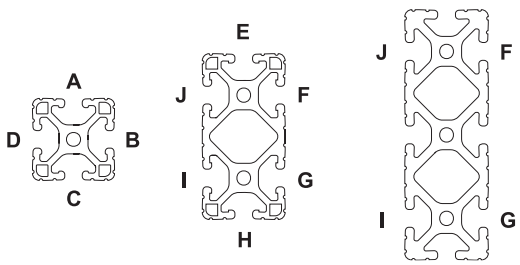
Drill for Slam Latch

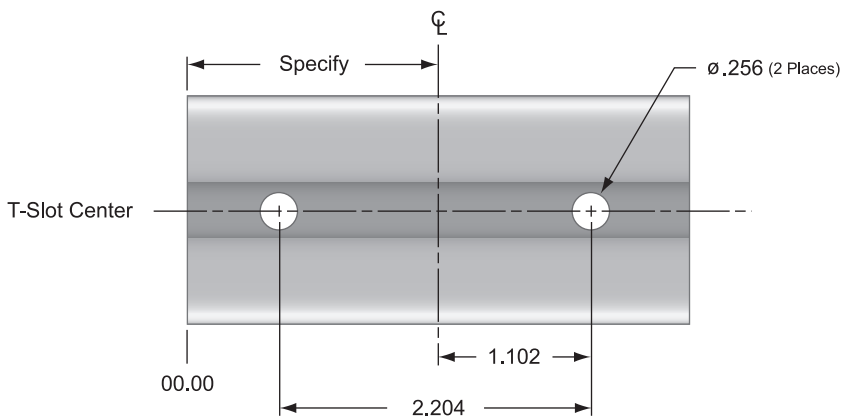
- **Mount the slam latch shown on page 384**
- **Designate the T-slot that requires the drilled thru holes; see designations below. This is also the slot to which the latch will mount.**
- **Designate the dimension from the 0.00 left end to the centerline point between the two holes**



Part No.	Series	Description
7306	15 Series	Machining Service for Slam Latch



Slam Latch Drill Details



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Panel Cutting Service

- **Save time and money by having 80/20® cut panels to your specific size**
- **Refer to Section 6 for our full offering of panels**
- **Please submit a drawing with your specifications to 80/20 or your local distributor**

For Plastic Panels Up to .250" Thick

Part No.	Description	Cut Tolerance
7150	Cut Plastic Panel **ALL** Sides ≤ 48"	+/- .063
7155	Cut Plastic Panel **ANY** Side > 48"	+/- .063

For Plastic Panels Thicker Than .250"

Part No.	Description	Cut Tolerance
7151	Cut Thick Plastic Panel **ALL** Sides ≤ 48"	+/- .063
7153	Cut Thick Plastic Panel **ANY** Side > 48"	+/- .063

For Aluminum Plate Up to .250" Thick

Part No.	Description	Cut Tolerance
7167	Cut Aluminum Panel **ALL** Sides ≤ 48"	+/- .063
7168	Cut Aluminum Panel **ANY** Side > 48"	+/- .063

For Aluminum Plate Thicker Than .250"

Part No.	Description	Cut Tolerance
7169	Cut Thick Aluminum Panel **ALL** Sides ≤ 48"	+/- .063
7170	Cut Thick Aluminum Panel **ANY** Side > 48"	+/- .063

Wire Mesh Shearing Service

- **Save time and money by having 80/20 shear wire mesh panels to your specific size**
- **Refer to Section 6 for our full offering of wire mesh panels**
- **Please submit a drawing with your specifications to 80/20 or your local distributor**

Part No.	Description	Cut Tolerance
7095	Shear Wire Mesh **ALL** Sides ≤ 48"	+/- .063
7100	Shear Wire Mesh **ANY** Side > 48"	+/- .063

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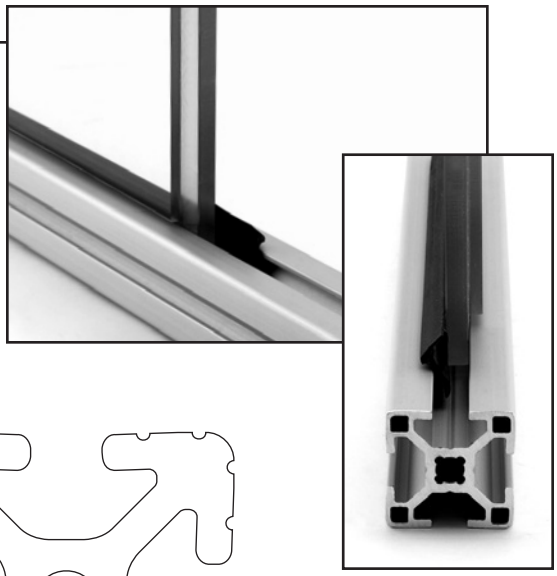
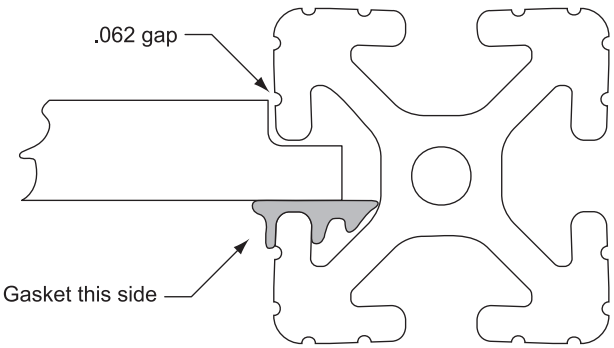
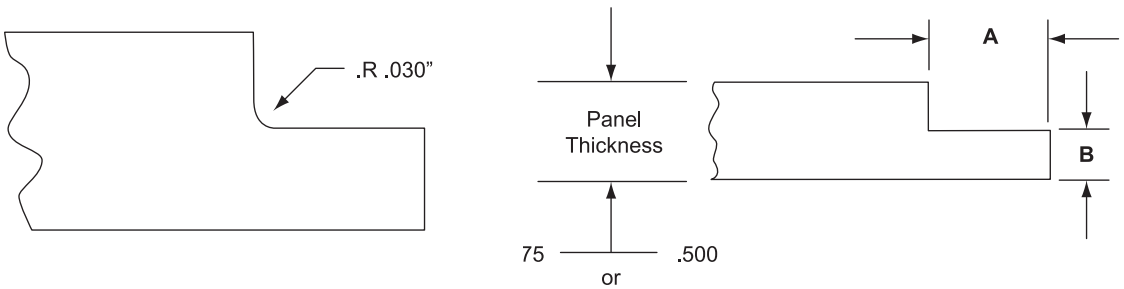
Thick Panel Routing Service

- **Mount 3/8” or 1/2” thick panels in the T-slot with rubber gasket**
- **The method used to calculate panel dimensions mounted in the T-slot of a frame does not change**
- **Other panel services can be used on these thicker panels, however longer mounting screws may be needed for certain panel and door components**







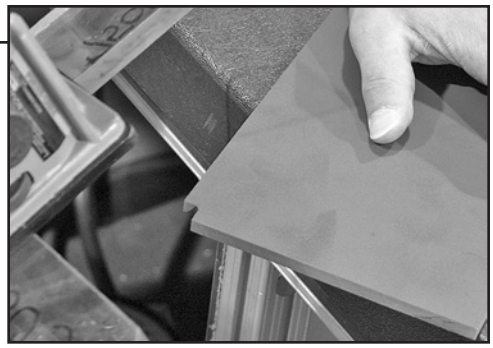
To Mount 3/8” or 1/2” Plastic Panels

Part No.	Profile Series	Service Type	A	B	Cut Tolerance
7530	10 Series	Routing Plastic Panels All Sides ≤ 48”	.335”	.177”	A +/- .015” B +/- .010”
7531		Routing Plastic Panels Any Side > 48”			
7532	15 Series	Routing Plastic Panels All Sides ≤ 48”	.458”	.236”	
7533		Routing Plastic Panels Any Side > 48”			

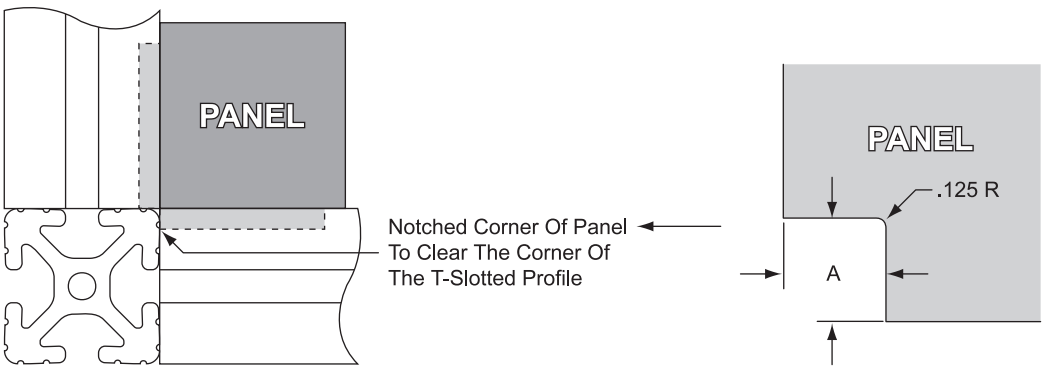
To Mount 3/8” Aluminum Plate

Part No.	Profile Series	Service Type	A	B	Cut Tolerance
7206	10 Series	Routing Aluminum Panels All Sides ≤ 48”	.335”	.177”	A +/- .015” B +/- .010”
7207		Routing Aluminum Panels Any Side > 48”			
7208	15 Series	Routing Aluminum Panels All Sides ≤ 48”	.458”	.236”	
7209		Routing Aluminum Panels Any Side > 48”			

Corner Notch/Profile Clearance



- **Provides clearance for perpendicularly mounted T-slotted profiles - required when panel will mount inside the profile T-slot**
- **Refer to Section 6 for our full offering of panels**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels, wire mesh and aluminum plate up to .250" thick**



For Plastic Panels or Wire Mesh

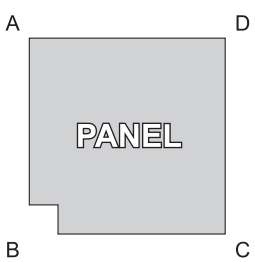
Part No.	Service Type	A	Cut Tolerance
7504 ⊠	Corner Notch	.312	+/- .060
7505	Corner Notch	.440	+/- .060

For Aluminum Plate

Part No.	Service Type	A	Cut Tolerance
7202 ⊠	Corner Notch	.312	+/- .060
7203	Corner Notch	.440	+/- .060

⊠ = 10 Series Compatible Part

Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 18.000"
w/ 7505 Horizontal on Corner B



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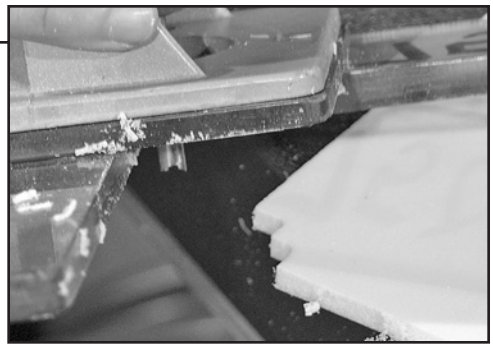
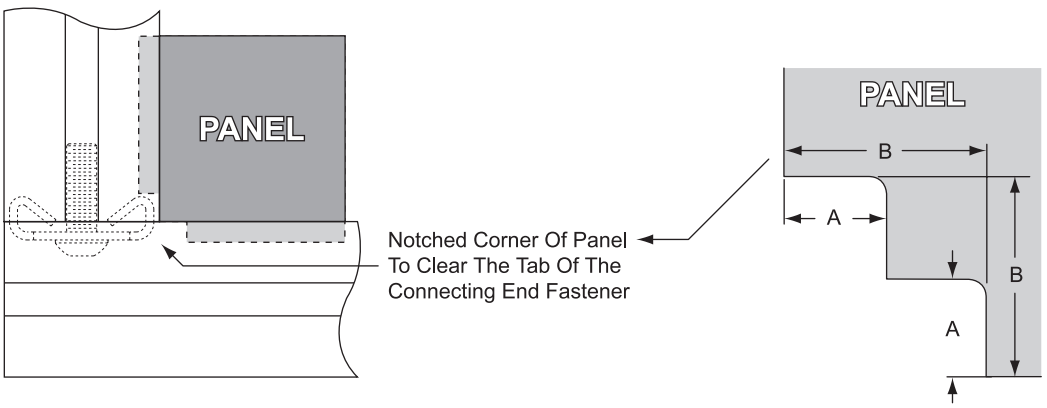
Corner Notch/End Fastener Clearance



- **Provides clearance for end fastener tabs - required when panel will mount inside profile T-slot**
- **Refer to pages 245-247 for our full offering of end fasteners**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels, wire mesh and aluminum plate up to .250" thick**



For Plastic Panels or Wire Mesh

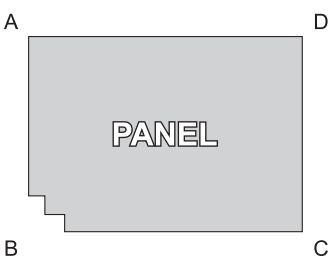
Part No.	Service Type	A	B	Cut Tolerance
7502 ⊠	Corner Notch	.250	.650	+/- .060
7503	Corner Notch	.340	.650	+/- .060

For Aluminum Plate

Part No.	Service Type	A	B	Cut Tolerance
7211 ⊠	Corner Notch	.250	.650	+/- .060
7214	Corner Notch	.340	.650	+/- .060

⊠ = 10 Series Compatible Part

Ordering Example:
2609 (1) @ (AD) 22.000" x (AB) 18.000"
w/ 7503 on Corner B



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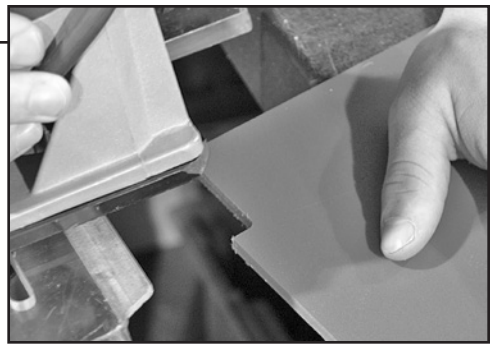
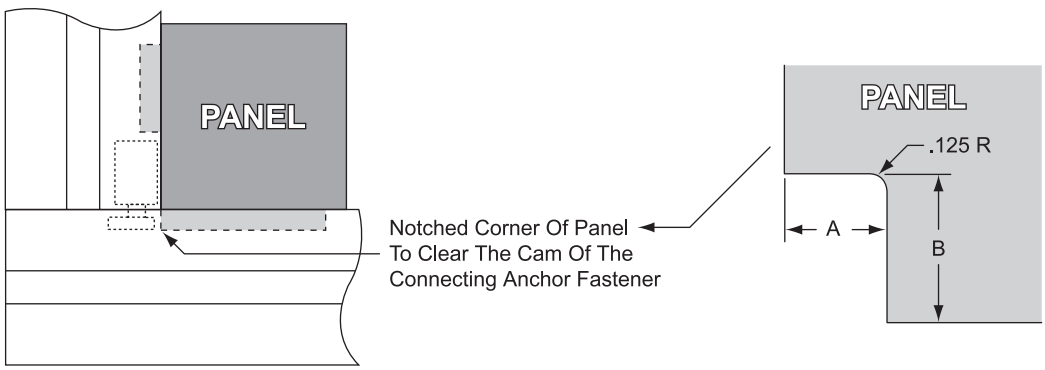
Corner Notch/Anchor Fastener Clearance



- **Provides clearance for anchor fasteners - required when panel will mount inside profile T-slot**
- **Refer to pages 242-243 for our full offering of anchor fasteners**
- **Be sure to design your frame so that you will be able to tighten all fasteners after panel is installed**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels, wire mesh and aluminum plate up to .250" thick**



For Plastic Panels or Wire Mesh

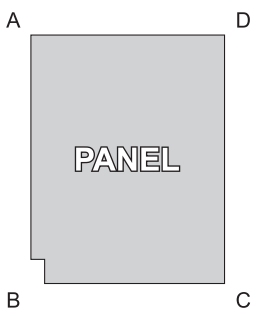
Part No.	Service Type	A	B	Cut Tolerance
7311 ⊠	Corner Notch	.375	1.063	+/- .060
7312	Corner Notch	.500	1.750	+/- .060

For Aluminum Plate

Part No.	Service Type	A	B	Cut Tolerance
7215 ⊠	Corner Notch	.375	1.063	+/- .060
7216	Corner Notch	.500	1.750	+/- .060

⊠ = 10 Series Compatible Part

Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 21.000"
w/ 7312 Vertical on Corner B



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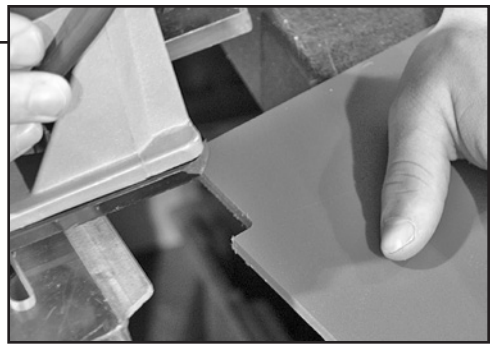
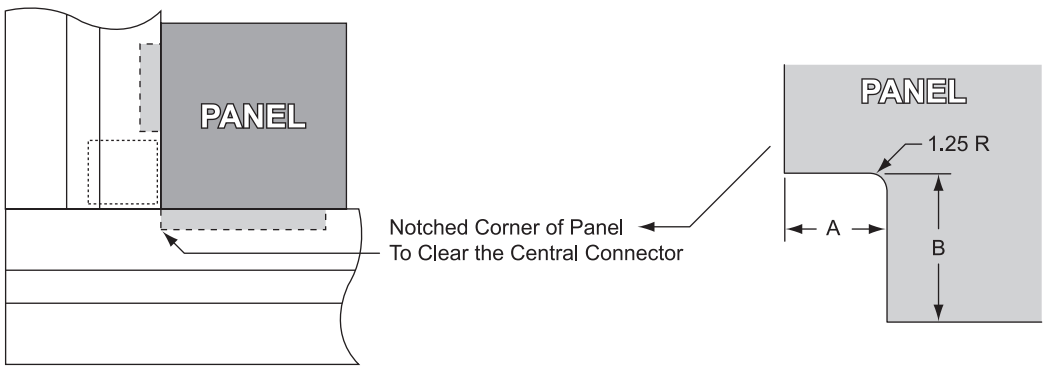
Corner Notch/Central Connector Clearance



- **Provides clearance for central connectors - required when panel will mount inside profile T-slot**
- **Refer to page 244 for central connectors**
- **Be sure to design your frame so that you will be able to tighten all fasteners after panel is installed**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels, wire mesh and aluminum plate up to .250" thick**



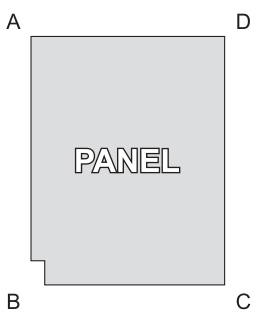
For Plastic Panels or Wire Mesh

Service Part No.	Series	Service Type	A	B	Cut Tolerance
7320	15	Corner Notch	.500"	2.00"	+/- .060"

For Aluminum Plate

Service Part No.	Series	Service Type	A	B	Cut Tolerance
7204	15	Corner Notch	.500"	2.00"	+/- .060"

Ordering Example:
2609 (1) @ (AD) 23.000" x (AB) 28.000"
w/7320 Vertical on Corner B



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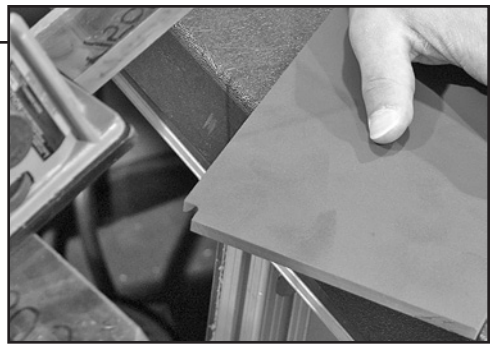
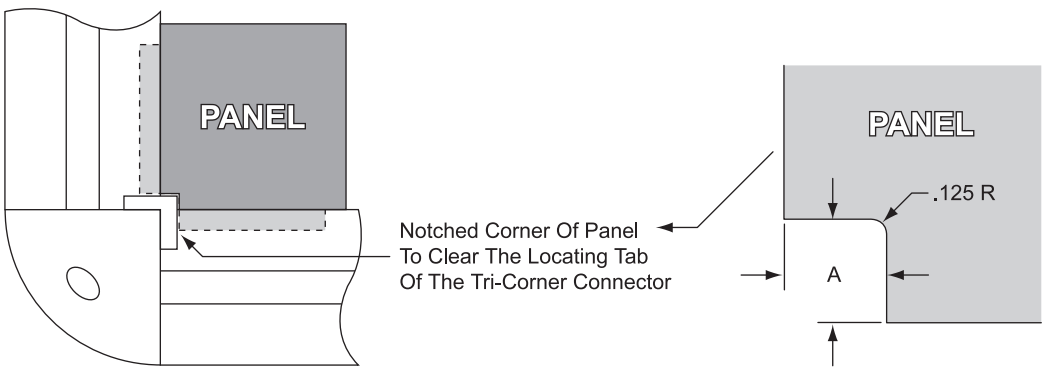
Corner Notch/Tri-Corner Clearance



- **Provides clearance for tri-corner connector tabs - required when panel will mount inside profile T-slot**
- **Refer to page 308 for our tri-corner connector offering**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels, wire mesh and aluminum plate up to .250" thick**



For Plastic Panels or Wire Mesh

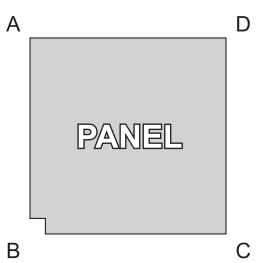
Part No.	Service Type	A	Cut Tolerance
7515 ⊠	Corner Notch	.347	+/- .060
7516	Corner Notch	.500	+/- .060

For Aluminum Plate

Part No.	Service Type	A	Cut Tolerance
7217 ⊠	Corner Notch	.347	+/- .060
7218	Corner Notch	.500	+/- .060

⊠ = 10 Series Compatible Part

Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 18.000"
w/ 7515 on Corner B



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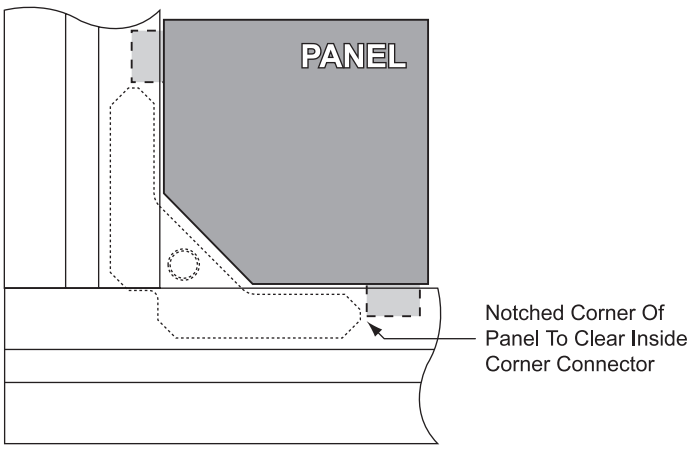
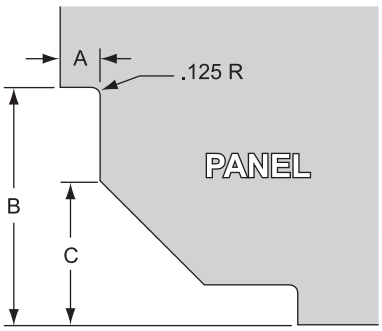
Corner Notch/Inside Corner Connector

- **Provides clearance for the inside corner connector - required when panel will mount inside profiles**
- **Refer to page 248 for inside corner connectors**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels, wire mesh and aluminum plate up to .250" thick**





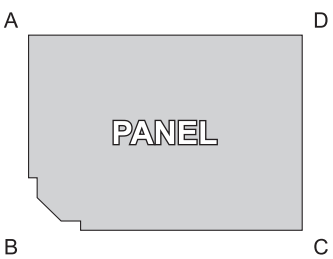
For Plastic Panels or Wire Mesh

Part No.	Series	Service Type	A	B	C	Cut Tolerance
7161	15	Corner Notch	.435	2.500	1.393	+/- .060

For Aluminum Plate

Part No.	Series	Service Type	A	B	C	Cut Tolerance
7219	15	Corner Notch	.435	2.500	1.393	+/- .060

Ordering Example:
2609 (1) @ (AD) 22.000" x (AB) 18.000"
w/ 7161 on Corner B



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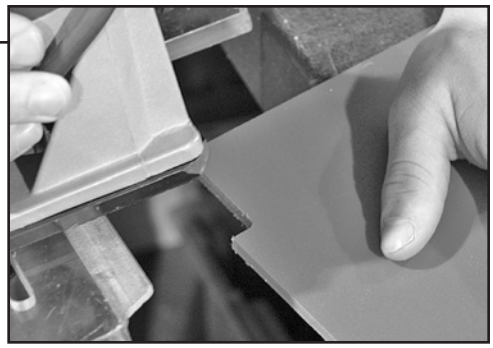
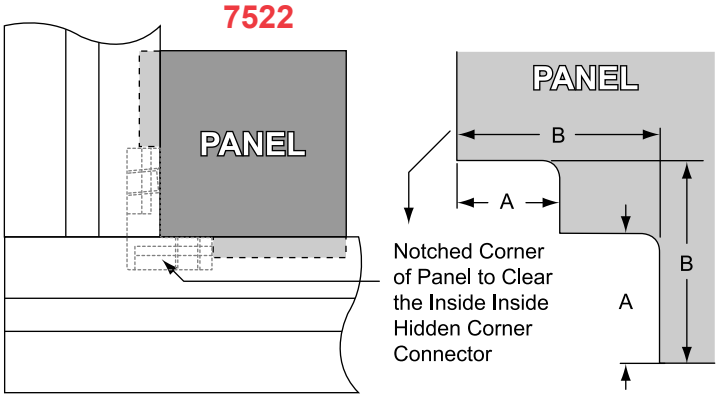
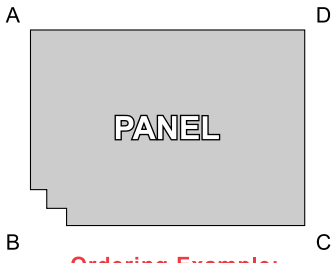
Corner Notch/Hidden Corner Connectors



- **Provides clearance for hidden corner connectors - required when panel will mount inside profile T-slot**
- **Refer to page 241 for hidden corner connectors**
- **Be sure to design your frame so that you will be able to tighten all fasteners after panel is installed**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**

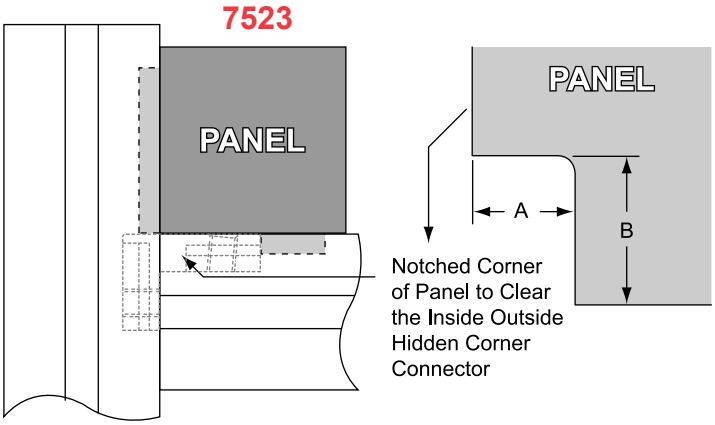
7522

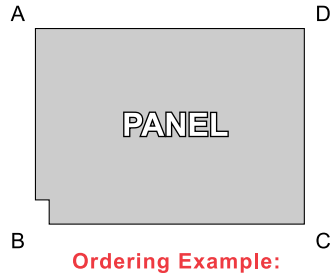




Ordering Example:
2609 (1) @ (AD) 22.000" x (AB) 18.000"
w/ 7522 on Corner B

7523





Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 21.000"
w/ 7523 Vertical on Corner B

For Plastic Panels

Part No.	Service Type	A	B	Cut Tolerance
7522	Corner Notch for Inside to Inside Hidden Connector Part No. 33450	.405	1.263	+/- .060
7523	Corner Notch for Inside to Outside Hidden Corner Connector Part No. 33470	.405	1.263	+/- .060

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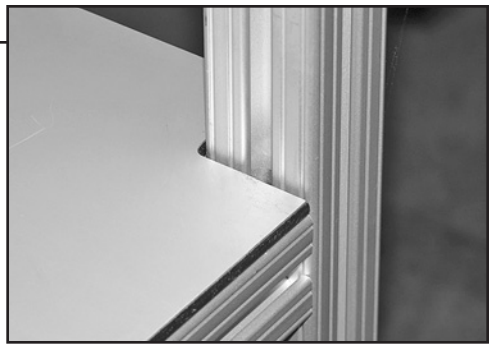
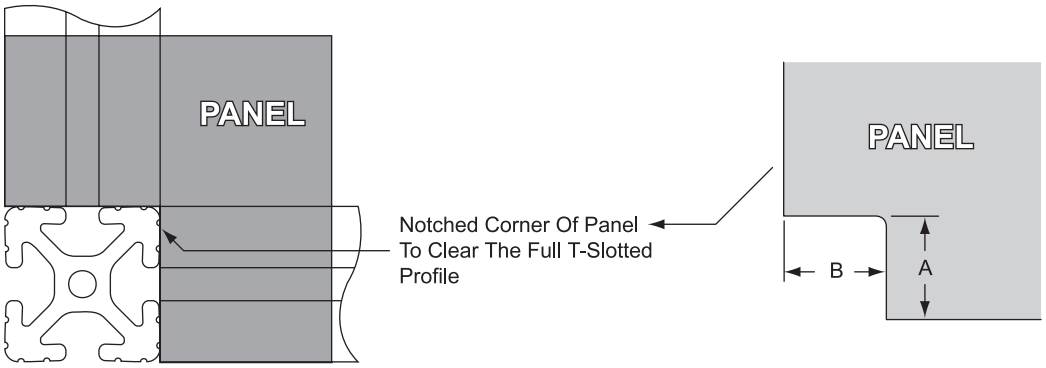
Extended Panel Notch Service



- **Provides clearance for perpendicularly mounted T-slotted profiles**
- **Refer to Section 6 for our full offering of panels**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels, wire mesh and aluminum plate up to .250" thick**



For Plastic or Mesh Panels

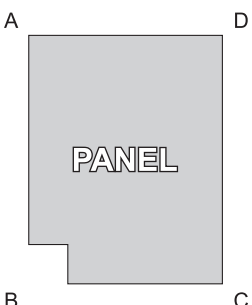
Part No.	Applicable Profiles	Service Type	A	B	Cut Tolerance
7597 ⊠	1001, 1002, 1003, 1004, 1010 & 1012	Corner Notch	1.060	1.060	+/- .060
7598 ⊠	1020	Corner Notch	1.060	2.060	+/- .060
7599 ⊠	2020	Corner Notch	2.060	2.060	+/- .060
7600	1501, 1502, 1503, 1504, 1515-UL,1515-Lt, 1515, 1517, 1547, 1501-LS, 1502-LS, 1503-LS, 1504-LS, 1515-ULS, 1515-LS, 1515-S & 1517-LS	Corner Notch	1.560	1.560	+/- .060
7601	1530, 1530-Lt, 1530-S & 1530-LS	Corner Notch	1.560	3.060	+/- .060
7602	3030, 3030-Lt, 3030-S & 3030-LS	Corner Notch	3.060	3.060	+/- .060

For Aluminum Plate

Part No.	Applicable Profiles	Service Type	A	B	Cut Tolerance
7231 ⊠	1001, 1002, 1003, 1004, 1010 & 1012	Corner Notch	1.060	1.060	+/- .060
7232 ⊠	1020	Corner Notch	1.060	2.060	+/- .060
7233 ⊠	2020	Corner Notch	2.060	2.060	+/- .060
7234	1501, 1502, 1503, 1504, 1515-UL,1515-Lt, 1515, 1517, 1547, 1501-LS, 1502-LS, 1503-LS, 1504-LS, 1515-ULS, 1515-LS, 1515-S & 1517-LS	Corner Notch	1.560	1.560	+/- .060
7235	1530, 1530-Lt, 1530-S & 1530-LS	Corner Notch	1.560	3.060	+/- .060
7236	3030, 3030-Lt, 3030-S & 3030-LS	Corner Notch	3.060	3.060	+/- .060

⊠ = 10 Series Compatible Part

Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 22.000"
w/ 7600 on Corner B



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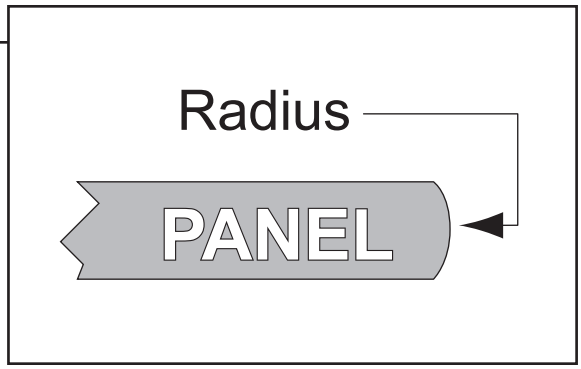
Edge Radius

- Round off both sharp edges of highly visible panels
- Refer to Section 6 for our full offering of panels
- Radius is equivalent to panel thickness
- Allows for easier insertion of panels into panel gasket, part number 2120 (page 403)



For Plastic Panels

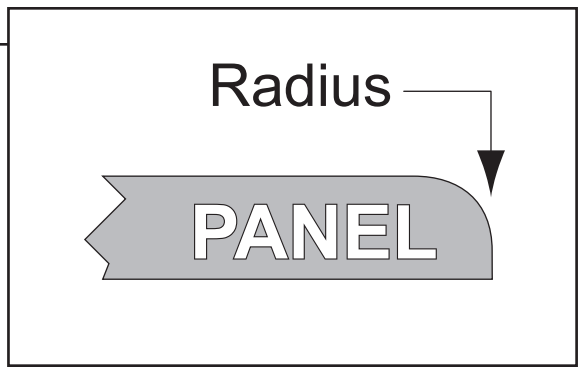
Part No.	Description	Radius Tolerance
7500	Edge Radius Plastic Panels All Sides ≤ 48"	+/- .040
7501	Edge Radius Plastic Panels Any Side > 48"	+/- .040

For Aluminum Plate

Part No.	Description	Radius Tolerance
7221	Edge Radius Aluminum Panels All Sides ≤ 48"	+/- .040
7222	Edge Radius Aluminum Panels Any Side > 48"	+/- .040

Top Edge Radius

- Round off one sharp edge of highly visible panels
- Refer to Section 6 for our full offering of plastic panels
- Radius will be .250"
- Allows for easier insertion of panels into panel gasket, part number 2120 (page 403)



For Plastic Panels .250" and Thicker

Part No.	Description	Radius Tolerance
7540	Top Edge Radius Plastic Panels All Sides ≤ 48"	+/- .040
7541	Top Edge Radius Plastic Panels Any Side > 48"	+/- .040

For Aluminum Plate .250" and Thicker

Part No.	Description	Radius Tolerance
7542	Top Edge Radius Aluminum Panels All Sides ≤ 48"	+/- .040
7543	Top Edge Radius Aluminum Panels Any Side > 48"	+/- .040

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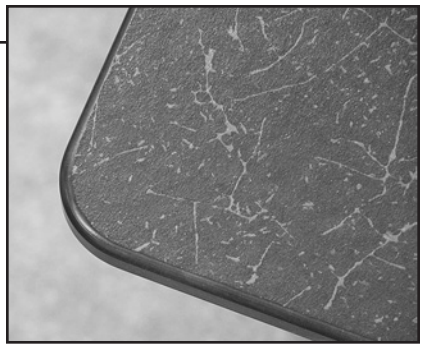
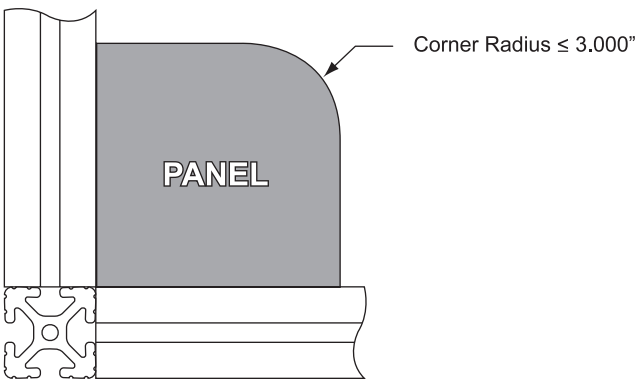
Corner Radius for Panels

- **Round off any corner of plastic panels or aluminum plate**
- **Refer to Section 6 for our full offering of plastic panels and aluminum plate**
- **Specify any corner radius up to 3.00”**





For Plastic Panels

Part No.	Description	Radius Tolerance
7179	Corner Radius Plastic or Wire Mesh Panel All Dimensions ≤ 3.000”	+/- .060

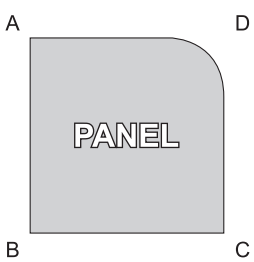
For Aluminum Plate Up to .250” Thick

Part No.	Description	Tolerance
7176	Corner Radius Standard Aluminum Panel All Sides ≤ 3”	+/- .060

For Aluminum Plate Thicker Than .250”

Part No.	Description	Tolerance
7195	Corner Radius Thick (Over 1/4”) Aluminum Panel All Sides ≤ 3”	+/- .060

Ordering Example:
2609 (1) @ (AD) 18.000” x (AB) 18.000”
w/ 7179 on Corner D, R 2.50”



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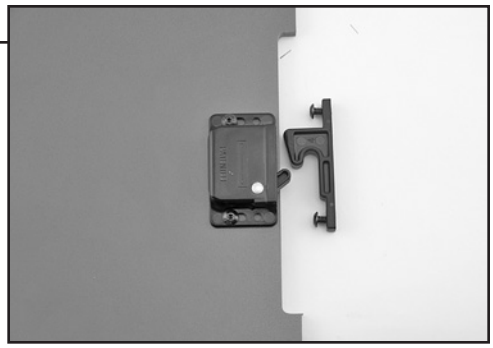
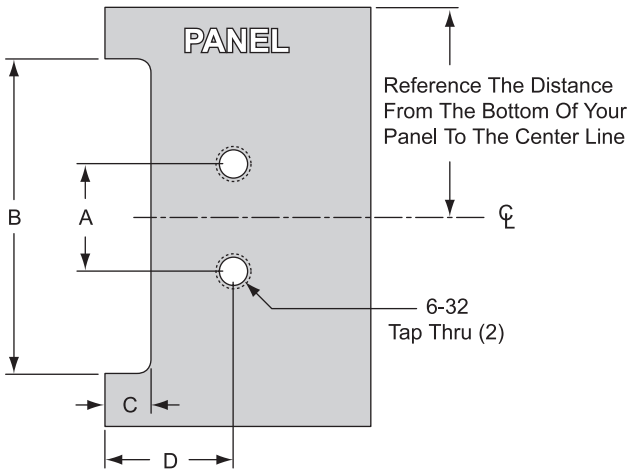
Notch/Grabber™ Door Catch Clearance

- **Provides clearance for the Grabber™ door catch**
- **Refer to pages 388-389 to see Grabber™ door catch and accessories**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**

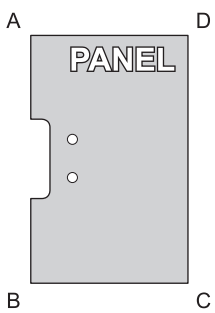




Part No.	A	B	C	D	Cut Tolerance
7313	1.600	4.750	.313	1.125	+/- .020

Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 22.000"
w/ 7313 on Side AB @ 12.000"

(All machining center lines will be called out from point "A" on the panel)



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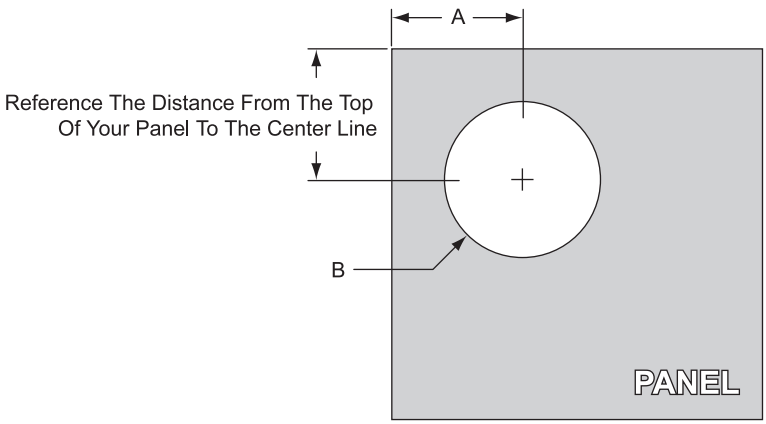
Grabber™ Handle Drill Thru Service

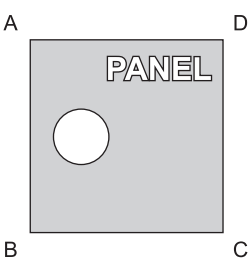
- **Machines a ø2.00” hole, allowing quick installation of the Grabber™ handle into a plastic panel**
- **Refer to page 380 for our Grabber™ door handle**
- **Please submit a drawing with your machining specifications to 80/20® or your local distributor**



Part No.	A	B	Hole Tolerance
7510	2.000	ø2.000	+/- .010

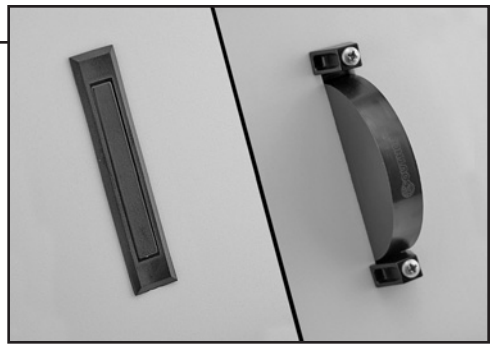
Ordering Example:
2609 (1) @ (AD) 18.000” x (AB) 18.000”
w/ 7510 on Side AB @ 9.000”

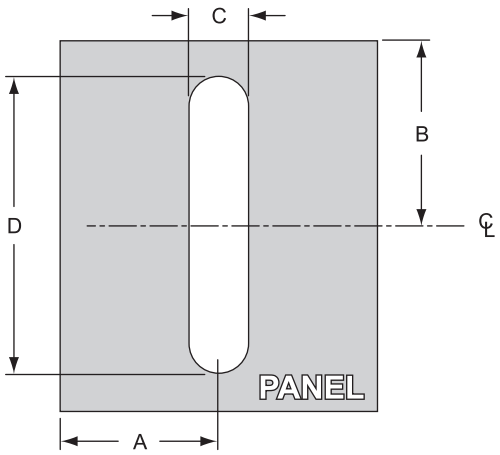
(All machining center lines will be called out from point “A” on the panel)



Flush Handle Drill Thru Service

- **Machines a slot thru – allowing for quick installation of the flush handle into a plastic panel**
- **Refer to page 376 for our flush handles**
- **Please submit a drawing with your machining specifications to 80/20® or your local distributor**

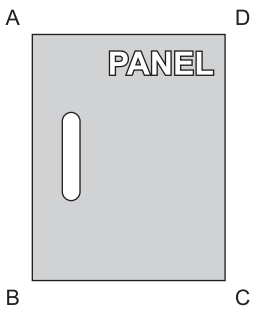




Service Part No.	Handle Part No.	A	B	C	D	Hole Tolerance
7520	2056	2.000	Open	.625	3.000	+/- .010
7521	2058	2.000	Open	.625	4.125	+/- .010

Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 20.000"
w/ 7520 side AB @ 10.000"

(All machining center lines will be called out from point "A" on the panel)



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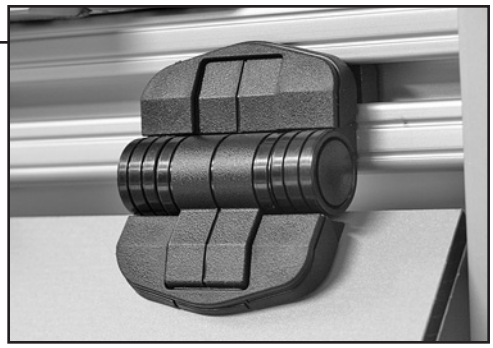
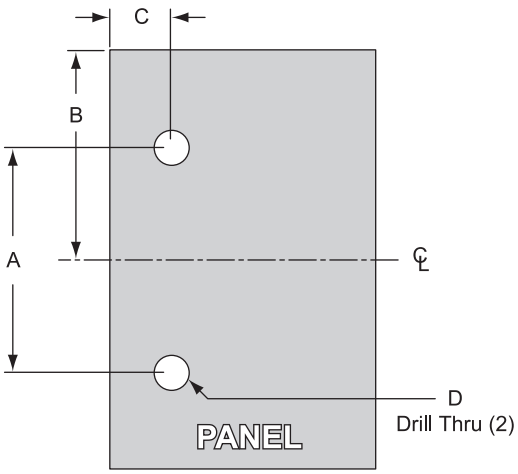
Adjustable/Detent Hinge Drill Thru Service



- **Provides thru holes for mounting adjustable and detent hinges**
- **Refer to Section 6 for our full hinge offering**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**

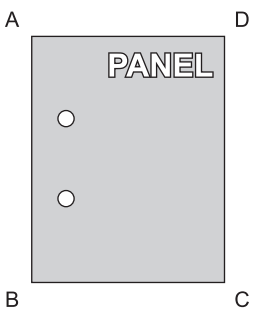


Service Part No.	Hinge Part No.	Hinge Type	A	B	C	D	Hole Tolerance
7581 ⊠	2081 ⊠	Adjustable	1.250	Open > 3.000	.438	.201	+/- .010
7582 ⊠	2071 ⊠	Detent	1.250	Open > 3.000	.440	.188	+/- .010
7580	2080	Adjustable	1.880	Open > 3.000	.688	.375	+/- .010
7583	2091	Detent	1.340	Open > 3.000	.530	.250	+/- .010

⊠ = 10 Series Compatible Part

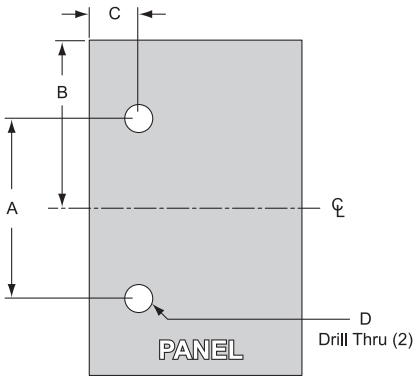
Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 20.000"
w/ 7581 on Side AB @ 5.000"

(All machining center lines will be called out from point "A" on the panel)



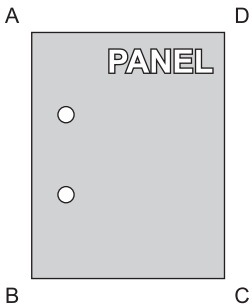
Plastic Handle Drill Thru Service

- **Provides thru holes for mounting plastic door handles**
- **Refer to Section 6 for full handle offering**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**



Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 20.000"
w/ 7584 on Side AB @ 10.000"

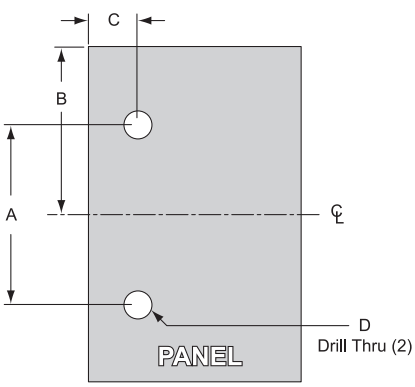
(All machining center lines will be called out from point "A" on the panel)



Service Part No.	Handle Part No.	Handle Size	A	B	C	D	Hole Tolerance
7584	2060 & 2880	Large	7.050	Open	1.250	.375	+/- .010
7585	2061 & 2881	Medium	4.600	Open	1.250	.375	+/- .010
7586	2062 & 2882	Small	3.678	Open	1.250	.313	+/- .010

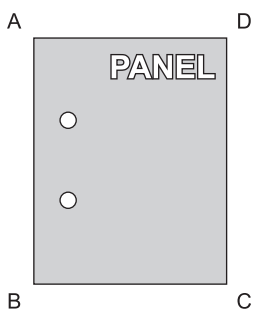
Steel Door Handle Drill Thru Service

- **Provides thru holes for mounting steel door handles**
- **Refer to Section 6 for full handle offering**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**



Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 20.000"
w/ 7587 on Side AB @ 6.000"

(All machining center lines will be called out from point "A" on the panel)



Service Part No.	Handle Part No.	A	B	C	D	Hole Tolerance
7587	2070	3.000	Open	1.000	.188	+/- .010

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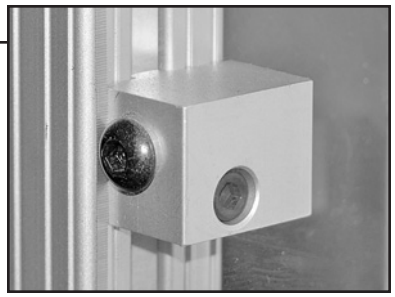
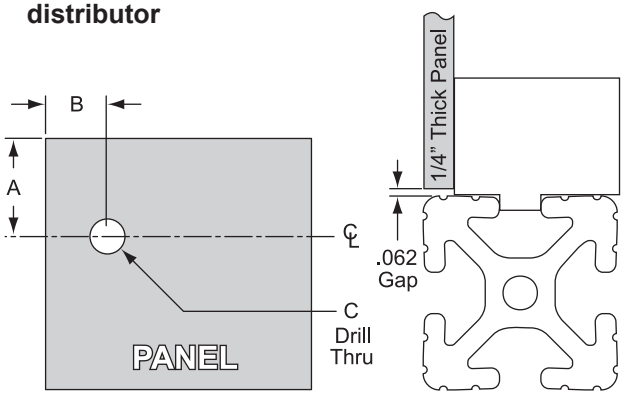
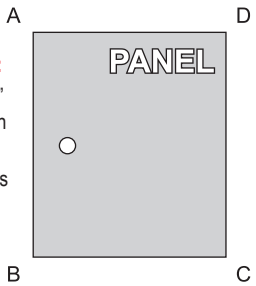
Panel Mount Block Drill Thru Service



- **Provides thru holes for mounting to a panel mount block**
- **Refer to page 407 for our panel mount blocks**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**



Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 18.000" w/7589 on Side AB @ 9.000"
(all machining center lines will be called out from point "A" on the panel)

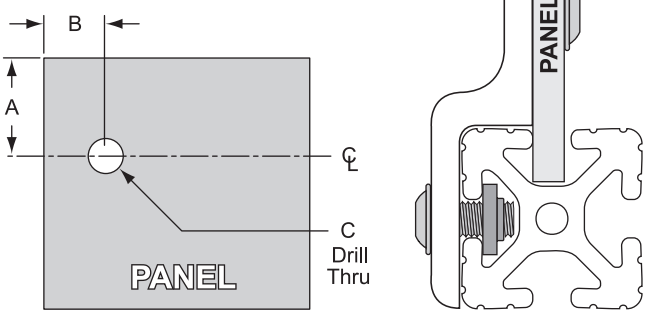


Service Part No.	Mount Block Part No.	A	B	C	Hole Location Tolerance
7589 ⊠	2427 ⊠	Open	.313	.312	+/- .010
7588	2425	Open	.375	.375	+/- .010

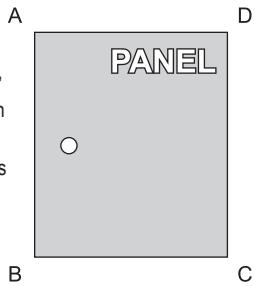
⊠ = 10 Series Compatible Part

Single Panel Retainer Drill Thru Service

- **Provides thru holes for mounting a single panel retainer**
- **Refer to Section 6 for panel retainers**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**



Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 18.000" w/7593 on Side AB @ 4.500"
(all machining center lines will be called out from point "A" on the panel)



Service Part No.	Retainer Part No.	A	B	C	Hole Tolerance
7593 ⊠	2496 & 2512 ⊠	Open	.868	.313	+/- .010
7595	2434 & 2515	Open	1.290	.375	+/- .010

⊠ = 10 Series Compatible Part

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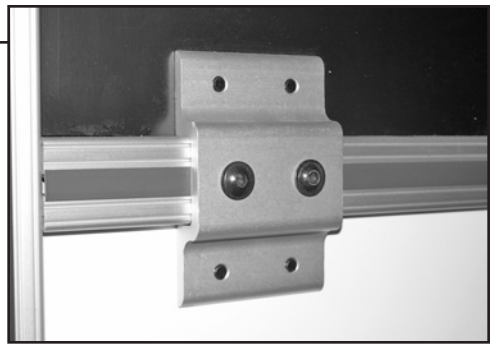
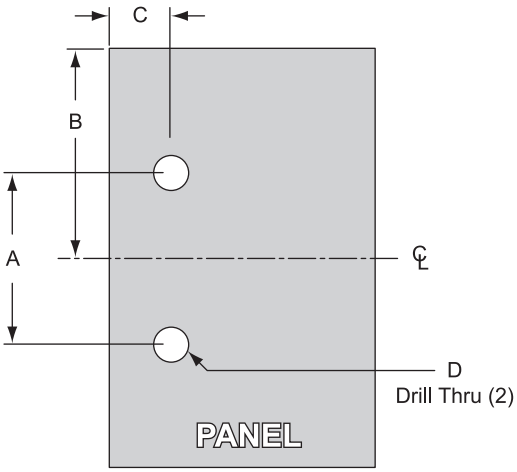
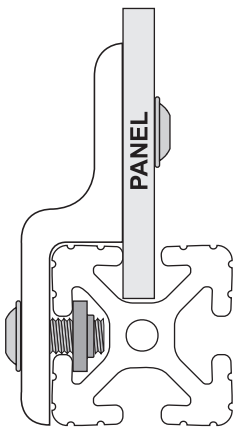
Double Panel Retainer Drill Thru Service

- **Provides thru holes for mounting a double panel retainer**
- **Refer to Section 6 for panel retainers**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**





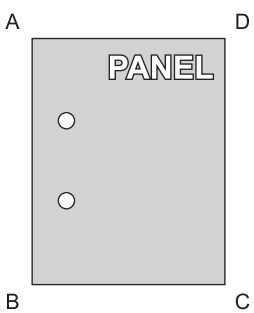


Service Part No.	Retainer Part No.	A	B	C	D	Hole Tolerance
7594 ⊠	2497 & 2513 ⊠	1.000	Open	.868	.313	+/- .010
7596	2433 & 2516	1.500	Open	1.290	.375	+/- .010

⊠ = 10 Series Compatible Part

Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 20.000"
w/ 7594 on Side AB @ 8.000"

(All machining center lines will be called out from point "A" on the panel)



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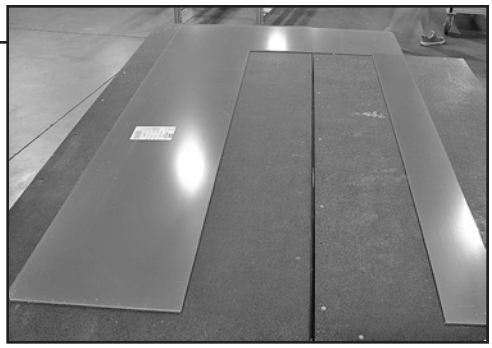
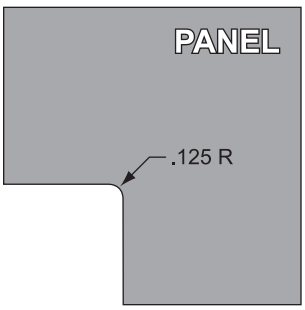
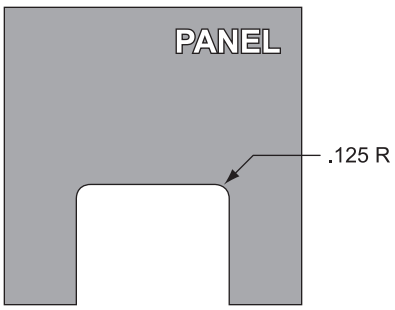
2, 3, & 4 Side Panel Cut-Outs

- **Provides an opening in any panel or wire mesh**
- **Perfect for adding a panel door within a panel, also allows easy access into a guard or enclosure**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**

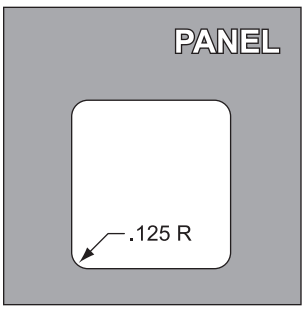




2 Sided Cut Out



3 Sided Cut Out



4 Sided Cut Out

For Plastic Panels Up to .250" Thick

Part No.	Description	Cut Tolerance
7162	2 Sided Cut-Out Standard Plastic Panel All Dimensions > 3.000"	+/- .040
7163	3 Sided Cut-Out Standard Plastic Panel All Dimensions > 3.000"	+/- .040
7164	4 Sided Cut-Out Standard Plastic Panel All Dimensions > 3.000"	+/- .040

For Plastic Panels Thicker Than .250"

Part No.	Description	Cut Tolerance
7182	2 Sided Cut-Out Thick Plastic Panel All Dimensions > 3.000"	+/- .040
7183	3 Sided Cut-Out Thick Plastic Panel All Dimensions > 3.000"	+/- .040
7184	4 Sided Cut-Out Thick Plastic Panel All Dimensions > 3.000"	+/- .040

For Aluminum Panels Up to .250" Thick

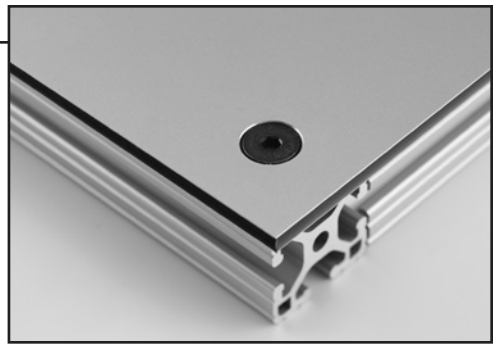
Part No.	Description	Cut Tolerance
7171	2 Sided Cut-Out Standard Aluminum Panel All Dimensions > 3.000"	+/- .040
7172	3 Sided Cut-Out Standard Aluminum Panel All Dimensions > 3.000"	+/- .040
7173	4 Sided Cut-Out Standard Aluminum Panel All Dimensions > 3.000"	+/- .040

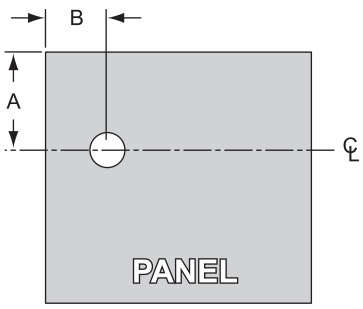
For Aluminum Panels Thicker Than .250"

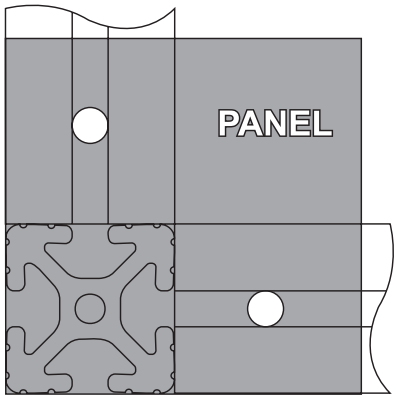
Part No.	Description	Cut Tolerance
7190	2 Sided Cut-Out Thick Aluminum Panel All Dimensions > 3.000"	+/- .040
7191	3 Sided Cut-Out Thick Aluminum Panel All Dimensions > 3.000"	+/- .040
7192	4 Sided Cut-Out Thick Aluminum Panel All Dimensions > 3.000"	+/- .040

Flush Mount Panel Service

- **Standard machining service provides clearance to mount plastic panels to the face of the profile**
- **Ideal for shelves, table tops, and material handling carts**
- **Design with these panel machining services with AuotQuoterX™ available at www.8020.net**







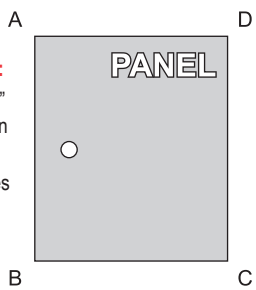
For Plastic and Aluminum Panels 3/16” Thick and Up

Part Number	Description	A	B	Hole Tolerance
7507	Drill thru 0.281” panel 1/2” from edge	Open	.500	+/- .010
7508	Drill thru 0.328” panel 3/4” from edge	Open	.750	+/- .010
7509	Drill thru & countersink for 1/4” FHSCS - 1/2” from edge	Open	.500	+/- .010
7511	Drill thru & countersink for 5/16” FHSCS - 3/4” from edge	Open	.750	+/- .010
7512	Drill thru & countersink for 1/4” FHSCS - 3/4” from edge	Open	.750	+/- .010

Ordering Example:

2609 (1) @ (AD) 18.000” x (AB) 18.000” w/7507 on Side AB @ 9.000”

(all machining center lines will be called out from point “A” on the panel)



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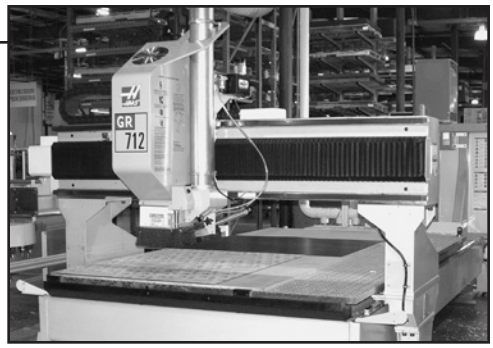
Miscellaneous Panel Machining Services

- **Available for customizing panel applications**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**



For Plastic Panels Up to .250" Thick

Part No.	Description	Tolerance
7152	Circular Cutout Standard Plastic Panel >1" Not to Exceed 10"	+/- .010
7156	Drill Thru & Countersink Standard Plastic Panel	+/- .010
7157	Miter Cut on Standard Plastic Panel	+/- .010
7158	Drill Thru & Tap Standard Plastic Panel	+/- .010
7159	Drill Thru Standard Plastic Panel	+/- .010
7166	Misc. Standard Plastic Panel Notch All Dimensions <=3"	+/- .010

For Plastic Panels Thicker Than .250"

Part No.	Description	Tolerance
7185	Misc. Thick Plastic Panel Notch All Dimensions <=3"	+/- .010
7186	Circular Cutout Thick Plastic Panel >1" Not to Exceed 10"	+/- .010
7188	Drill Thru & Countersink Thick Plastic Panel	+/- .010
7189	Drill Thru & Tap Thick Plastic Panel	+/- .010
7200	Drill Thru Thick Plastic Panel	+/- .010
7201	Miter Cut on Thick Plastic Panel	+/- .010

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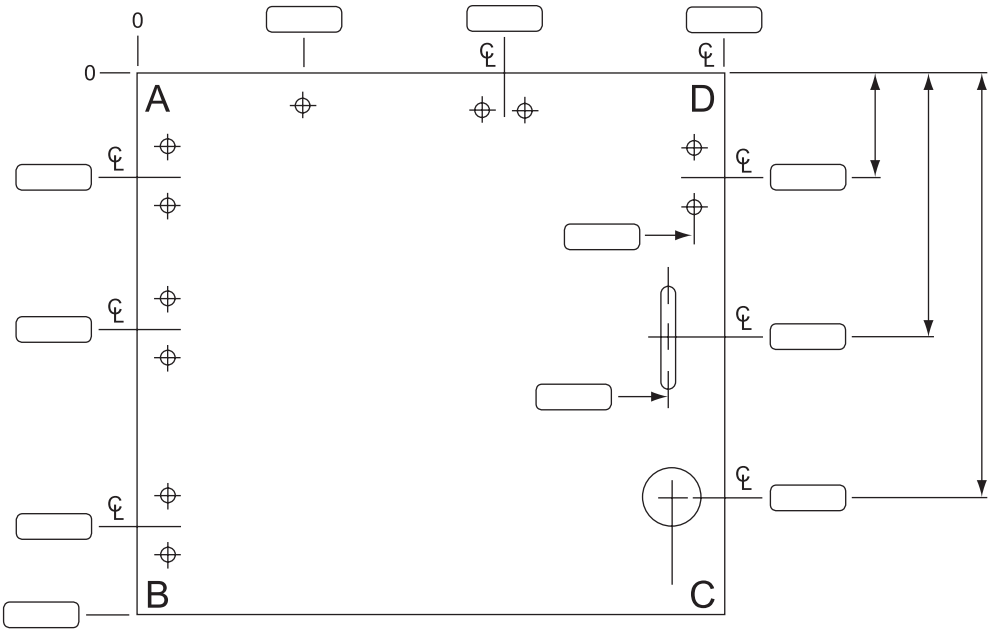
Fractional



For Aluminum Panels Up to .250" Thick

Part No.	Description	Tolerance
7174	Misc. Standard Aluminum Panel Notch All Dimensions ≤ 3"	+/- .010
7175	Circular Cutout Standard Aluminum Panel >1" Not to Exceed 10"	+/- .010
7177	Drill Thru & Countersink Standard Aluminum Panel	+/- .010
7178	Drill Thru & Tap Standard Aluminum Panel	+/- .010
7180	Drill Thru Standard Aluminum Panel	+/- .010
7181	Miter Cut Standard Aluminum Panel	

For Aluminum Panels Thicker Than .250"

Part No.	Description	Tolerance
7193	Misc. Thick Aluminum Panel Notch All Dimensions ≤ 3"	+/- .010
7194	Circular Cutout Thick Aluminum Panel >1" Not to Exceed 10"	+/- .010
7196	Drill Thru & Countersink Thick Aluminum Panel	+/- .010
7197	Drill Thru & Tap Thick Aluminum Panel	+/- .010
7198	Drill Thru Thick Aluminum Panel	+/- .010
7199	Miter Cut Thick Aluminum Panel	+/- .010

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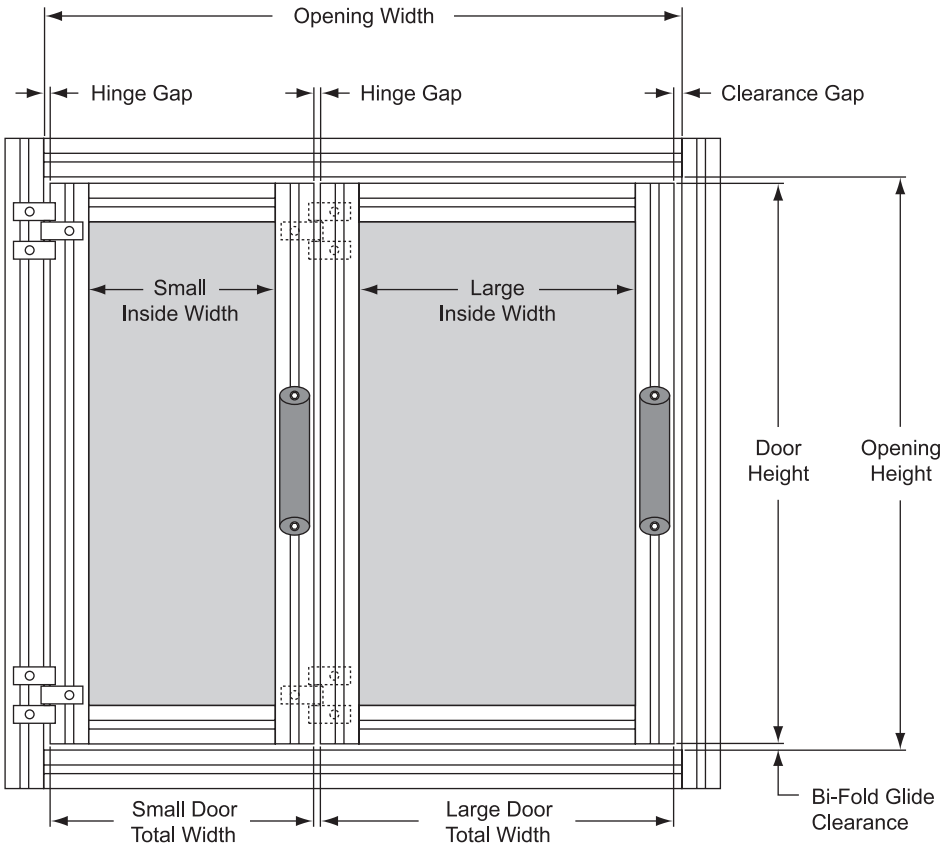
Bi-Fold Door Configuration

Designing a bi-fold door using 80/20® products is a much easier process than it appears to be. Simply remember to include the hinge and opening gaps when sizing the inside dimension of your door, while taking into account the profile size. Follow the steps listed and reference the drawing for the standard method of designing an 80/20 bi-fold door.



Step #1 Select the profile you will use for building your bi-fold door. Typically this is the same as the frame.

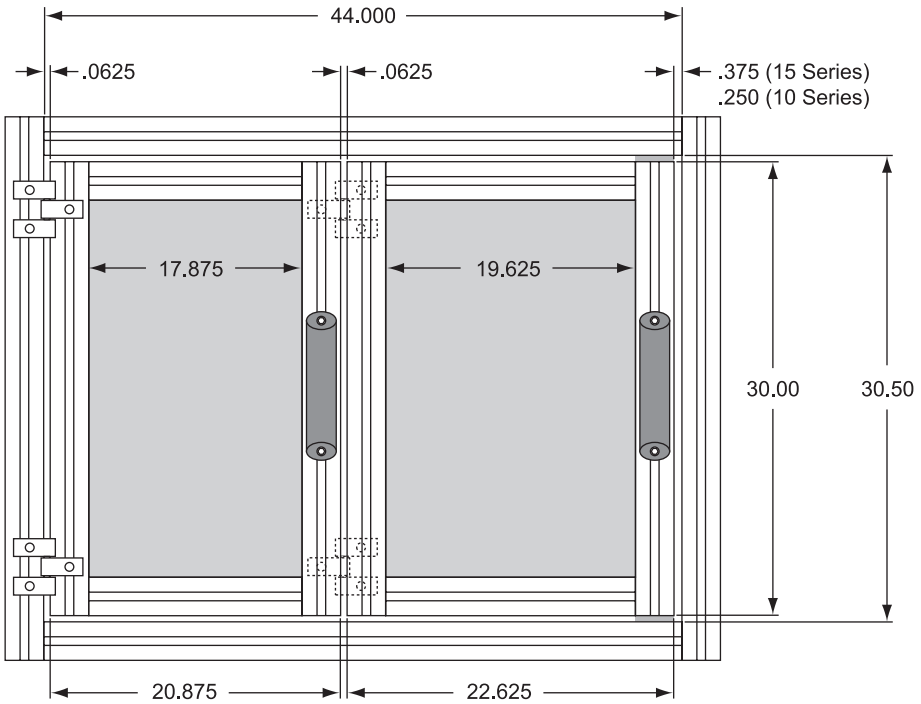
Step #2 Determine the opening width of your door.

Step #3 Choose your hinge type and find the standard gap between profiles when using that hinge.

Step #4 Choose the total width for each inside door, remembering to subtract the hinge and clearance gaps.

Note: Be sure to include all of the required fasteners, panels and machining services when placing a full bi-fold door order.

Bi-Fold Door Application Examples



How to determine the width of the narrow door

Add together all of the hinge gaps, the clearance gap, and 1.75” (1.125” for 10 Series) for the overlay:
(.0625” + .0625” + .375” + 1.750” = 2.250”)

Subtract the above total from the total opening width and divide by 2:
(44.000” - 2.250” = 41.750” ÷ 2 = 20.875”)

How to determine the width of the wide door

Take the width of the narrow door and add 1.75” (1.125” for 10 Series) for the overlay:
(20.875” + 1.750” = 22.625”)

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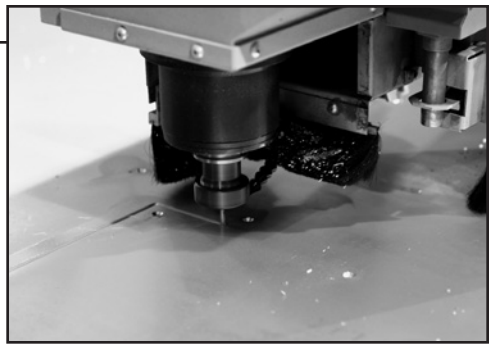
Aluminum Plate Machining Services

- **Available for customizing aluminum plate applications**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **See page 207 for aluminum plate**



For Aluminum Plate Up to .250" Thick

Service Part No.	Description	Cut Tolerance
7167	Cut Panel ALL Sides ≤ 48"	+/- .010
7168	Cut Panel ANY Side > 48"	+/- .010
7171	2 Sided Cutout Any > 3"	+/- .010
7172	3 Sided Cutout Any > 3"	+/- .010
7173	4 Sided Cutout Any > 3"	+/- .010
7174	Misc Panel Notch ALL Sides ≤ 3"	+/- .010
7175	Circular Cutout >1", <+10"	+/- .010
7177	Drill Thru & Countersink	+/- .010
7178	Drill Thru & Tap	+/- .010
7180	Drill Thru	+/- .010
7181	Angle Cut	+/- .010
7202	Corner Notch/Profile Clearance	+/- .060
7203	Corner Notch/Profile Clearance	+/- .060
7204	Corner Notch/Central Connector	+/- .060
7211	Corner Notch/End Fastener	+/- .060

Service Part No.	Description	Cut Tolerance
7214	Corner Notch/End Fastener Clearance	+/- .060
7215	Corner Notch/Anchor Fastener Clearance	+/- .060
7216	Corner Notch/Anchor Fastener Clearance	+/- .060
7217	Corner Notch/Tri-Corner Clearance	+/- .060
7218	Corner Notch/Tri-Corner Clearance	+/- .060
7219	Corner Notch/Inside Corner Connector	+/- .060
7231	Corner Notch 1001, 1002, 1003, 1004, 1010 & 1012	+/- .060
7232	Corner Notch 1020	+/- .060
7233	Corner Notch 2020	+/- .060
7234	Corner Notch 1501, 1502, 1503, 1504, 1515-UL,1515-Lt, 1515, 1517, 1547, 1501-LS, 1502-LS, 1503-LS, 1504-LS, 1515-ULS, 1515-LS, 1515-S & 1517-LS	+/- .060
7235	Corner Notch 1530, 1530-Lt, 1530-S & 1530-LS	+/- .060
7236	Corner Notch 3030, 3030-Lt, 3030-S & 3030-LS	+/- .060
7513	Mill Finish Sanding All Sides ≤ 48"	–
7514	Mill Finish Sanding Any Side > 48"	–

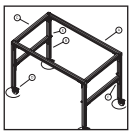
For Aluminum Plate Thicker Than .250"

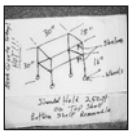
Service Part No.	Description	Cut Tolerance
7169	Cut Panel ALL Sides ≤ 48"	+/- .010
7170	Cut Panel ANY Side > 48"	+/- .010
7190	2 Sided Cutout Any > 3"	+/- .010
7191	3 Sided Cutout Any > 3"	+/- .010
7192	4 Sided Cutout Any > 3"	+/- .010
7193	Misc Panel Notch ALL Sides ≤ 3"	+/- .010
7194	Circular Cutout >1", <+10"	+/- .010
7196	Drill Thru & Countersink	+/- .010
7197	Drill Thru & Tap	+/- .010
7198	Drill Thru	+/- .010

Service Part No.	Description	Cut Tolerance
7199	Angle Cut	+/- .010
7206	Routing All Sides ≤ 48"	+/- .010-.015
7207	Routing Any Side > 48"	+/- .010-.015
7208	Routing All Sides ≤ 48"	+/- .010-.015
7209	Routing Any Side > 48"	+/- .010-.015
7221	Edge Radius All Sides ≤ 48"	+/- .010
7222	Edge Radius Any Side > 48"	+/- .010
7542	Top Edge Radius All Sides ≤ 48"	+/- .010
7543	Top Edge Radius Any Side > 48"	+/- .010

Section #13 Pictorial Table Of Contents

AQX Introduction Page 610

Completed Shop Cart  Page 611

Step-by-Step Tutorial  Page 612

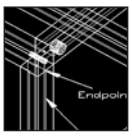
The Caster Page 613

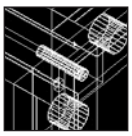
The Leg Pages 613-614

The Lower Cross Member Pages 614-615

Machining w/ Access Holes Page 616

Cross Members Pages 617-623

Counterbore Machining  Page 624

End Caps  Page 625

Top & Bottom Shelves Pages 626-628

Running a B.O.M. Pages 629-633

AutoQuoterX™ is the industry-leading AutoCAD® plug-in for designing and quoting 80/20® T-slotted aluminum products. **AutoQuoterX**™ is ***FREE***, packed full of new features and products, and the fastest, easiest way to design your next project! Visit www.8020.net/design-tools-2.asp to download the full version today. See page 610 for software specifications.

Visit 8020.net for drawing files

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

What Does AutoQuoterX™ Do For You?

80/20's AutoQuoterX™ plug-in software is used as a companion to AutoCAD® and Autodesk® CAD programs. AutoQuoterX™ is available free to everyone and can be downloaded from our website or obtained by ordering the 80/20® catalog DVD.

We are always updating our software offering; recent enhancements include:

- Fractional and metric product lines
- Improved Panel Designer
- Change/edit profile material and length
- 75% MORE stock parts; add your own components to the bill of material
- Design a metric project using fractional dimensions or a fractional project in metric dimensions
- Update from our website to add future software features
- Real-life limits of sizes and products currently available
- Remove machining services previously applied without re-creating the part
- Export the BOM as an Excel or PDF file
- View and attach parts to the T-slots
- Option to include recommended fasteners with machining services
- View a thumbnail of parts before selection
- A new Bill of Material wizard to customize your BOM
- More keyboard short cuts
- Search function by part number
- New toolbar for easy navigation

Deflection CalculatorX™ is another great software tool. This profile strength calculator measures the deflection of the T-slotted profile you choose for your project. Deflection CalculatorX is also free and easily downloaded from our website at www.8020.net/design-tools-2.asp.

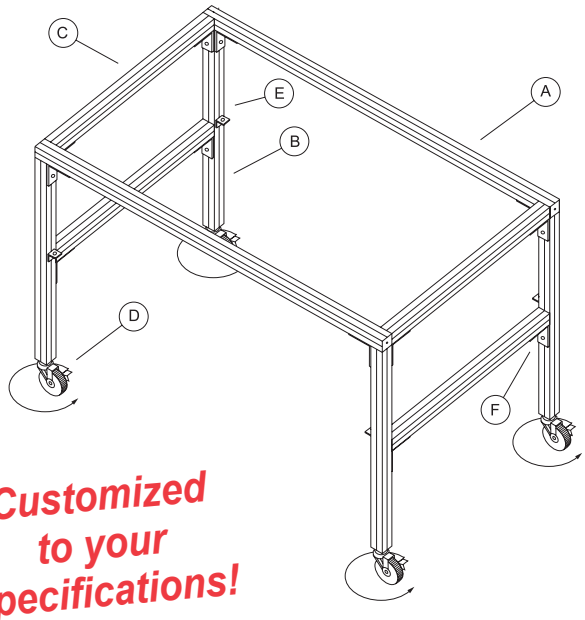
What Does AutoQuoterX™ Work With?

AutoQuoterX™ Compatibility Software List:
(Check our website for up-to-date compatibility enhancements)

- AutoCAD® 2000i, 2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012
- AutoCAD® Architectural Desktop 2i,3, 3.3, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012
- Autodesk® Building Systems 2004, 2005, 2006, 2007, 2007
- AutoCAD® MEP 2008, 2009, 2009, 2010, 2011, 2011, 2012
- AutoCAD® Mechanical 2000+, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012

** Does not support MAC OS versions of AutoCAD® **

Shop Cart



Approximate Assembly Time: 30 Minutes

Customized to your specifications!

AutoQuoter Bill of Materials

80/20 Inc.
The Industrial Erector Set®
1701 South 400 East
Columbia City, Indiana 46725-8753
P: 260.248.8030 F: 260.248.8029
www.8020.net

# of Kits: 1
Req. Del. Date: 03/24/2004
Dist. PO: GRR1302
Contact #1: Customer Service
Contact #2:
Dist. Email: info@8020.net
Cust. PO:
Cust. Ref: REF: MASTER CLASS
Cust. Contact: Carvathio Bellwether
Cust. Email: c.bellwether@knightsofb

Distributor:
80/20 Inc
1701 South 400 East
Columbia City, Indiana 46725
260-248-8030

Customer:
Machine Works
3310 Congressional Parkway
Fort Wayne, Indiana 46804
260-248-8030

Notes:

TAG	Part #	Qty	Length Each (or area)	Units	Total Wgt (lbs)	Description Note: all extrusion dimensions start at the left end.	Each $	Price $
A	1515-LITE	2	43.000	IN	7.65	1.5" x 1.5" Lite T-Slotted Extrusion	18.060	36.12
B	1515-LITE	4	29.000	IN	10.32	7025 Left	12.180	48.72
C	1515-LITE	4	25.000	IN	8.90	1.5" x 1.5" Lite T-Slotted Extrusion	10.500	42.00
	7010	10		EA		Cut to Length 1501 1502 1503 1504 1515 1515-LITE 1517 1534-LITE and 1547	1.850	18.50
	7025	4		EA		Tap Extrusion End 1501 1502 1503 1504 1515 1515-LITE 1517 and 1547	2.250	9.00
D	2300	4		EA	2.94	3" Swivel Caster w/ 3/8-16 Stem w/ Brake	6.700	26.80
E	2430	4		EA	0.08	15 S Panel Mount Bracket	3.000	12.00
F	4301	12		EA	2.04	15 S 4 Hole Inside Corner Bracket	4.050	48.60
	3319	4		EA	0.14	15 S Economy T-Nut & 5/16-18 x 1/2" FBHSCS	0.550	2.20
	3320	48		EA	1.92	15 S Economy T-Nut & 5/16-18 x 5/8" FBHSCS	0.570	27.36
	3463	4		EA	0.12	5/16-18 x 5/8" FBHSCS w/ Washer & Hex Nut	0.450	1.80

Weight per Kit: 34.12
Total Amount per Kit: $273.10

I. AutoQuoterX™ Beginner Step-By-Step Tutorial

This section of the documentation is a step-by-step tutorial of a design using AutoQuoterX™. The design is a simple rolling cart. We will make some modifications to the cart as we go, so we can see how easy it is to edit the design.

Before we start building the cart, let's activate a few settings in AutoCAD® that will aid in the design of the cart.

Start a new AutoCAD® Fractional drawing.

At the bottom of your computer screen, right click on the **OSNAP** button and pick *Settings*. A dialog box now appears with boxes that can be checked. Put a check in the following boxes: *Object Snap On, Endpoint, Center and Node*. All other boxes may be unchecked at this time but may be turned on or off by using these same instructions. Also, at the bottom of your screen, there is a button marked **ORTHO**. Click on it to turn it on. Look at the Command Line to see if it says *Ortho On*. If it says *Ortho Off*, just click on the **ORTHO** button again.

Zoom Feature: To enhance the functionality of AutoQuoterX™, we recommend the use of a mouse with a scroll wheel. The scroll mouse allows you to zoom in and out, either by holding down the **Shift** key and rolling the wheel or just rolling the wheel. Clicking and holding down on the wheel will allow you to pan left, right, up, and down. The great advantage is that the zoom and pan functions can also be used while you are in an AutoCAD® command. Without the scroll mouse you will need to type on the Command Line **'Z** (apostrophe Z) for zoom then type **W** for a window zoom or **A** for a zoom all, then **Enter**. If you are not in an AutoCAD® command, you need only type **ZA** for zoom all and **ZW** for a zoom window. One last advantage of a scroll mouse: if you double click the roller, AutoCAD® will do a *Zoom Extents*.

Now with a few of AutoCAD®'s setup items out of the way, let's build a cart.

A. Building The Cart

First, we must have a design. This may come in the form of a sketch on a napkin, so be prepared to do some deciphering. Pictured in **Illustration 1** is the sketch on which we will base our design.

As we look at this sketch, we see the overall dimensions; bottom shelf height, a need for casters, shelves indicated (including one that is removable) and an overall load requirement.

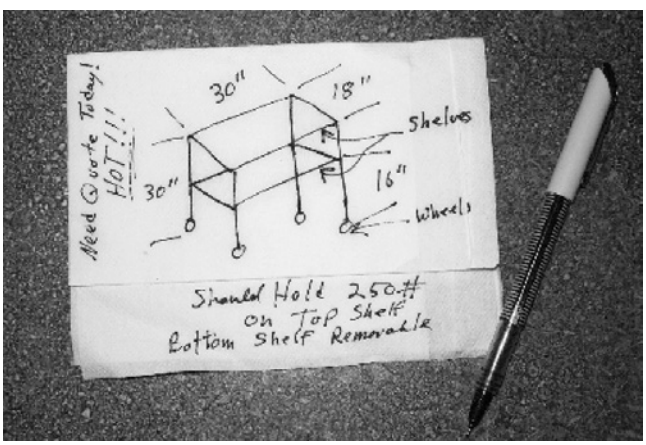


Illustration 1

1. The Caster

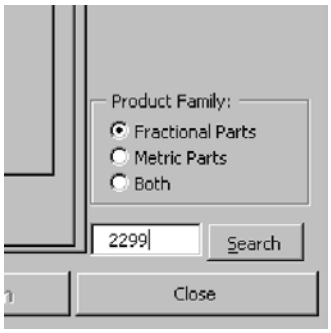


Illustration 2

Let's start from the ground up. Since the length of the leg is dependent upon the height of the caster, that is where we shall begin.

Selecting the caster from the catalog, we see that a *2299* swivel caster has a 75-pound capacity. Four of these will distribute the load between them, for a total of 300 pounds, 50 pounds more than is necessary. This is the caster we will use since it offers us a margin of safety.

First, go to the *Modified SW Isometric View* by clicking the button on the AutoQuoterX™ Tool Bar.

Open the AutoQuoterX™ Main Form by clicking the button on the AutoQuoterX™ Tool Bar, or by typing *82* and pressing *Enter* at AutoCAD®'s command prompt.

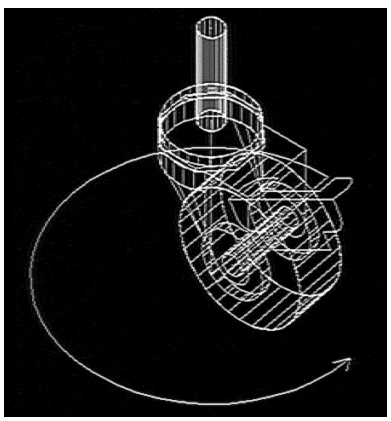


Illustration 3

To easily find the part, enter the *2299* part number into the Search Box and click on the *Search* button. You will be taken directly to that part; its thumbnail graphic will be displayed, and you will see a catalog description of the part.

Click the **Create Floor/Frame** button. When prompted for an insertion point, click anywhere on the drawing screen.

Accept the rotation of the caster and close the AutoQuoterX™ Main Form.

The caster should now appear as it does in **Illustration 3**.

2. The Leg

Since the cart must be 30 inches high, and the nominal working height of this caster is 3 inches, the total length of the leg would be 27 inches.

However, we will be column loading our legs for strength, so we need to subtract an additional 1.5 inches from the leg height, leaving us with a leg 25.5 inches long.

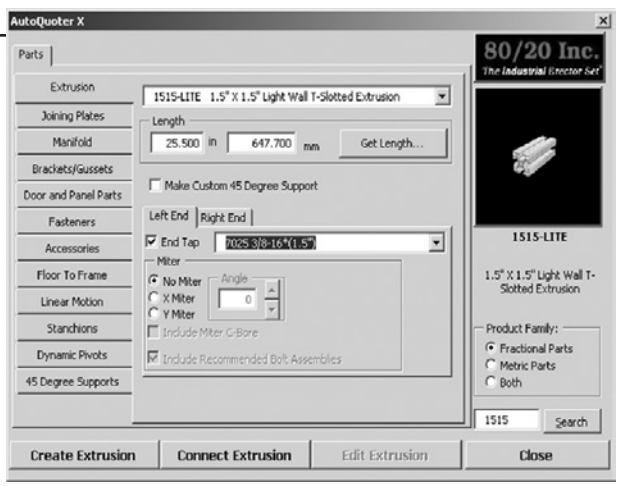


Illustration 4

2. The Leg continued

Re-enter the AutoQuoterX™ Main Form.

Select *1515-Lite* from the drop-down list on the Extrusion Tab. Define the length to be 25.5 inches, and include a 7025 3/8-16 end tap in the Left End.

Click on the **Create Extrusion** button and select the *Green Node* point on the stem of the caster as the insertion point.

Accept the rotation of the piece of extrusion you just inserted and then close the AutoQuoterX™ Main Form.

The leg should now appear as it does in **Illustration 5**.

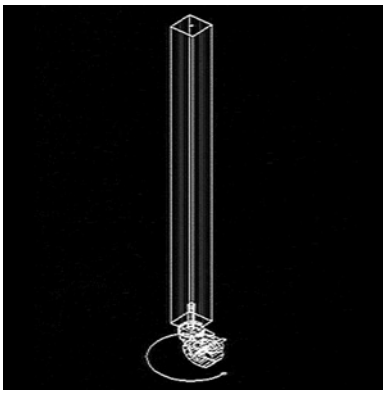


Illustration 5

3. The Lower Cross Member

The cart has been specified at 18 inches wide. Subtracting for two 1.5-inch legs, the length we want for our lower cross members is 15 inches.

Open the AutoQuoterX™ Main Form, and specify a 15-inch long piece of *1515-Lite*, with *7060* 5/16-18 end taps at each end.

Now we will use the new Intelligent Connect feature of AutoQuoterX™ to automatically orient and align this piece of extrusion with the leg to which it will be attached.

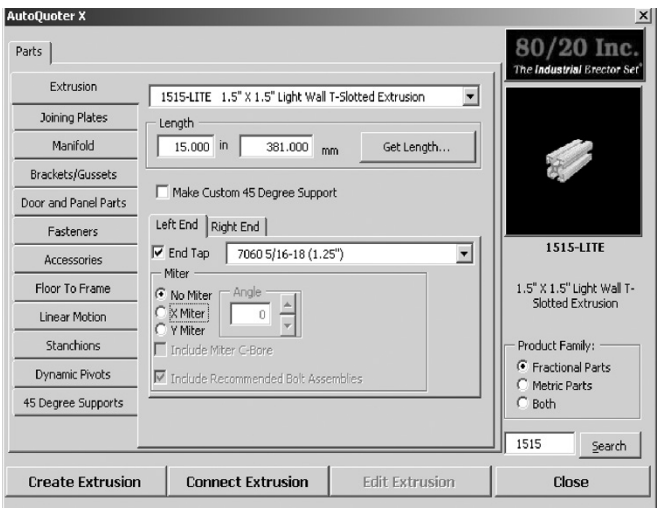


Illustration 6

Click on the **Connect Extrusion** button.

AutoCAD® asks you to select a T-slot. If your drawing needs to be bigger to help you select the T-slot, type '**Z** and press **Enter**. Type **W** for a window zoom to form a box around the area you want to enlarge and press **Enter**. AutoCAD® now prompts you for the first corner of the box.

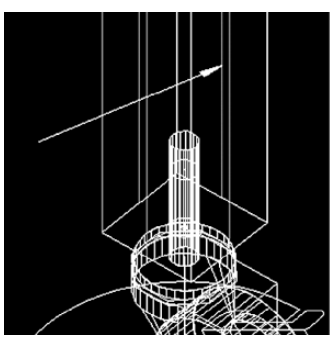


Illustration 7

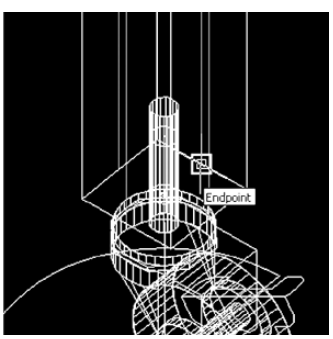


Illustration 8

3. The Lower Cross Member continued

Click in the area you would like the first corner of your box. AutoCAD® now prompts you for an opposite corner. As you move your mouse, you will see the box form. Whatever is in the box will be enlarged for viewing. Click again when your box is the right size. Now select the T-slot indicated by the arrow in **Illustration 7**.

AutoCAD® now asks you to select an insertion point. Select the endpoint of that same T-slot, as shown in **Illustration 8**.

This will connect the new extrusion to the T-slot on the leg and orient it appropriately. Click on the **Accept** button and close the AutoQuoterX™ Main Form.

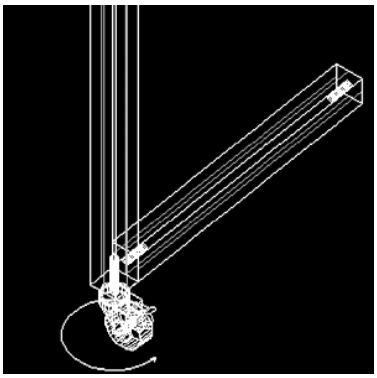


Illustration 9

Note: If you type **ZA,** AutoCAD® will do a *zoom all* and you will be able to see everything on your screen. See **Illustration 9**.

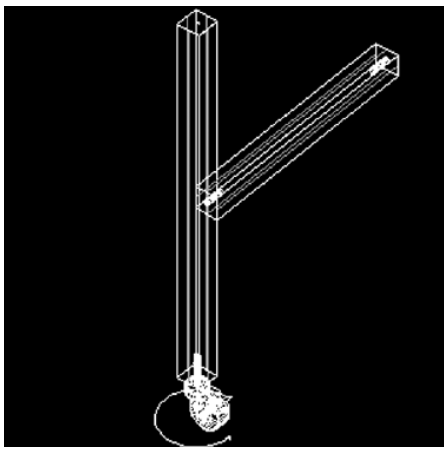


Illustration 10

4. Moving The Lower Cross Member

Now we need to move the lower cross member into position. Right now the top of the extrusion, just inserted, is positioned at 4.5 inches from the floor. We will be using a 0.25-inch thick material for the removable shelf; the top of the extrusion will need to be 15.75 inches so that the top of the lower shelf is at 16 inches from the floor. We need to move the extrusion 11.25 inches.

Make sure that the AutoCAD® UCS is set to *World* by picking the button from the AutoQuoterX™ tool bar.

Type the AutoCAD® **Move** command, press **Enter**. Select the lower cross member you just inserted. Press the **Enter** key to finish the selection process.

When AutoCAD® prompts you for a base point, select anywhere on the drawing screen, then type **@0,0,11.25** and press **Enter** *(The first and second [0] represents no movement on the X- and Y-axes. The next number is a positive move on the Z-axis of 11.25 inches. Your drawing should now look like* **Illustration 10***).*

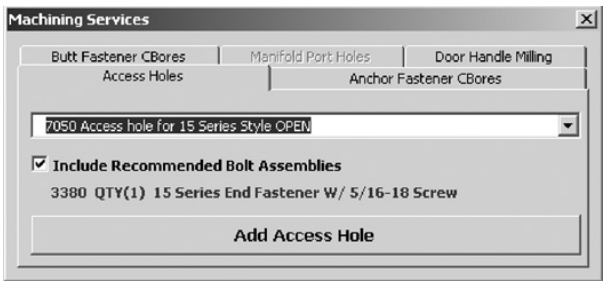


Illustration 11

5. Machining The Leg With Access Holes

We need to machine access holes into the leg for the end fasteners we will use to attach the lower cross members.

To do this, pick the Machine Extrusion button on the AutoQuoterX™ Tool Bar.

Select the leg when you are prompted to select an extrusion.

When the Machining Services form appears, select the Access Holes tab, and pick the **7050 Access Hole for 15 Series Style OPEN** from the drop down list. Leave the Recommended Bolt Assemblies box checked, as it will add in the end fasteners for us automatically. See **Illustration 11**.

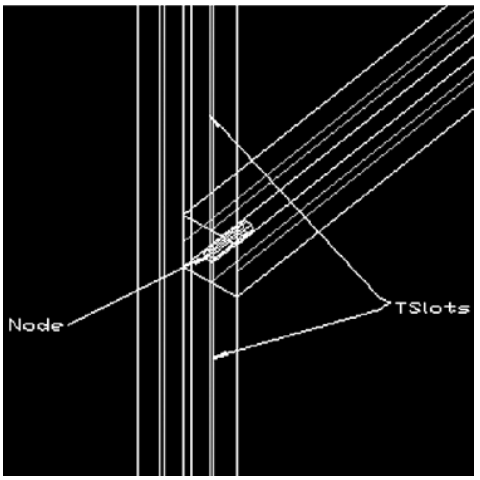


Illustration 12

Click on the **Add Access Hole** button.

When you are prompted to select a T-slot, select the one indicated by the top arrow in **Illustration 12**. Zoom if necessary.

When you are prompted to select an insertion point, select the green node point indicated by the arrow in **Illustration 12**.

You should now see something like **Illustration 13**.

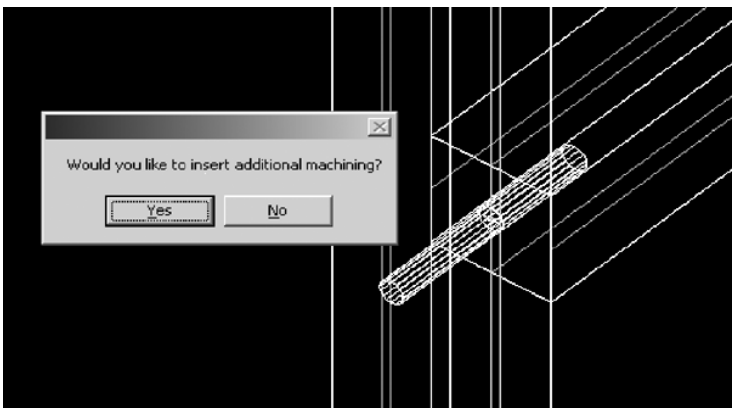


Illustration 13

Click the **Yes** button at this message box, and repeat the above steps, except select the T-slot indicated by the lower arrow in **Illustration 12**. Use the same insertion node. (The access hole will be inserted perpendicular to the first one but at the same lineal position)

When you have both access holes in place, select the **No** button when asked if you would like to insert additional machining. Your extrusion should look like **Illustration 14**.

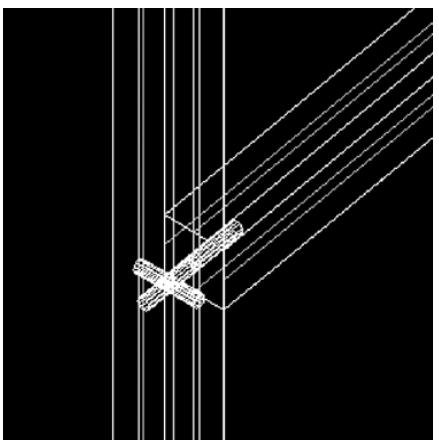


Illustration 14

6. The Upper Cross Member

To copy the lower cross member up, first type **ZA** and press **Enter**.

Type the AutoCAD® **Copy** command and press **Enter**. Select the Lower Cross Member and press **Enter**.

For the Base Point, select the point marked [From] in **Illustration 15**, and for the Second Point, select the point marked [To] in **Illustration 15**.

Note: To accept a selection in AutoCAD®, right click your mouse or press **Enter**.

Illustration 15 is what the final result should look like when finished.

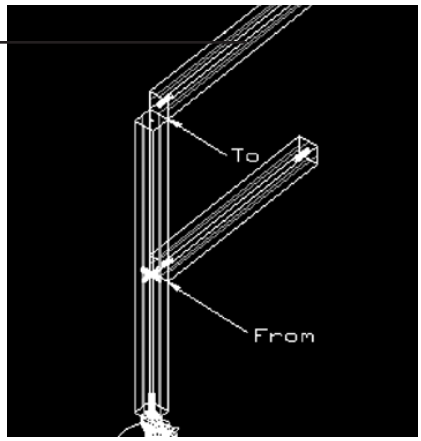


Illustration 15

7. Copy The Parts

To create the other legs of the cart, we will use AutoCAD®'s copy command.

Note: In order to do this properly we must have Ortho turned on in AutoCAD®. Press the **F8** function key. At the bottom of your screen, in the command line, you will see *Ortho On* or *Ortho Off*. If you see *Ortho Off* just press the **F8** key again.

Type the AutoCAD® **Copy** command and press **Enter**.

Select the leg and caster and press **Enter**.

AutoCAD® prompts you for a base point, so select the endpoint of the leg as shown in **Illustration 16**.

Next, AutoCAD® asks for a second point of displacement. Select the point as in **Illustration 17**.

Your drawing should now look like **Illustration 18**.

For the next step, the original sketch on the napkin showed the cart to be 30 inches long. To accomplish this we will need to copy the parts that we have drawn a distance of 28.5 inches, allowing 1.5 inches for the thickness of the leg, giving us a 30-inch long cart.

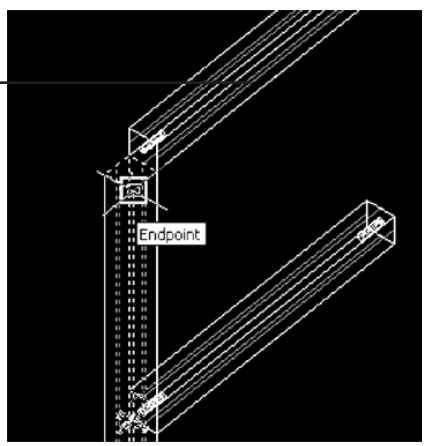


Illustration 16

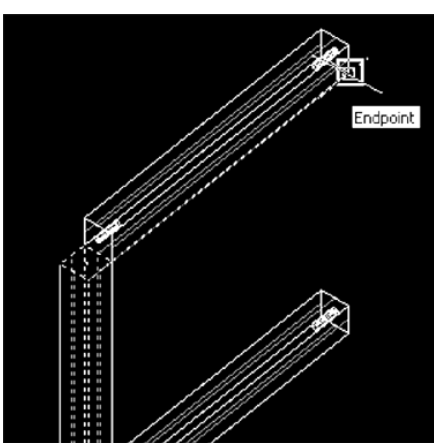


Illustration 17

7. Copy The Parts continued

Type AutoCAD®'s **Copy** command and press **Enter**. AutoCAD® prompts you to select objects. To do this we will use a window selection. Place the little box in the area on your screen as in **Illustration 19** and click your mouse.

Move your mouse until you form a box around the drawing as in **Illustration 20**, click your mouse, then press **Enter**.

AutoCAD® now prompts you for a base point, so select anywhere on the drawing screen and then move your mouse down and to the right. On your screen you will see a copy of the parts moving down and to the right. At this point, let go of your mouse, type 28.5, and press **Enter**. Your drawing should look like **Illustration 21**.

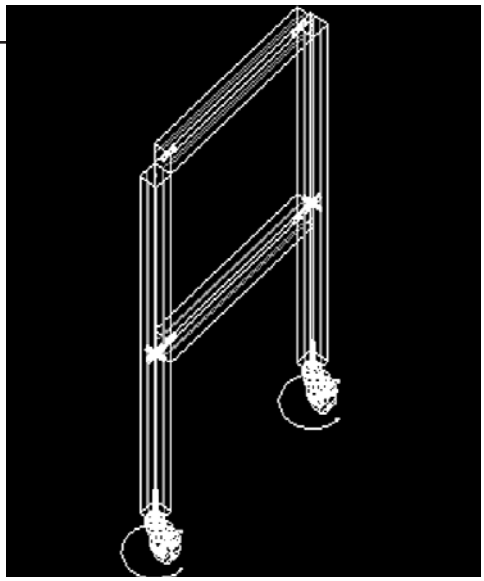


Illustration 18

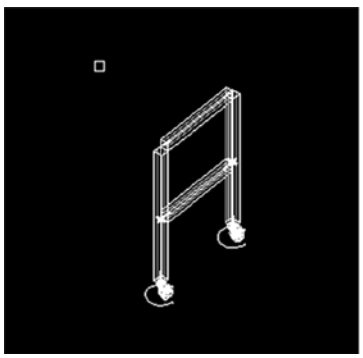


Illustration 19

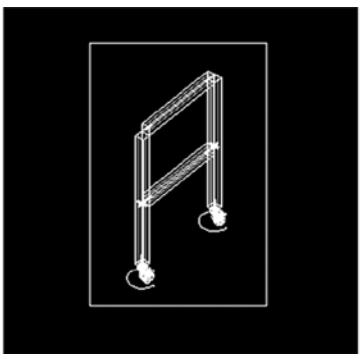


Illustration 20

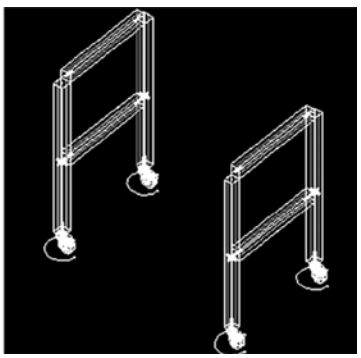


Illustration 21

8. Creating The Long Cross Member

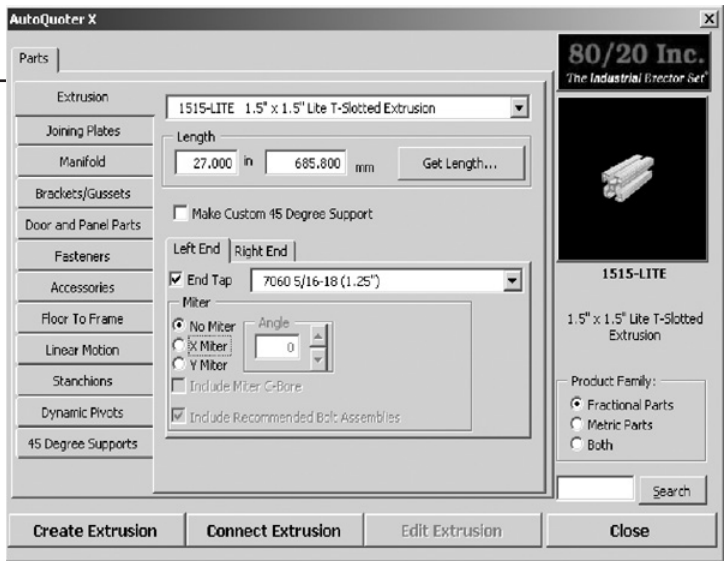


Illustration 22

First let's create the long lower cross members.

Open the AutoQuoterX™ Main Form by clicking the button on the AutoQuoterX™ Tool Bar, or by typing **82** and pressing **Enter**.

Specify a 27-inch long piece of *1515-Lite*, with a *7060* 5/16-18 end tap at each end.

Click on the **Create Extrusion** button and choose the center of the access hole on the leg as shown in **Illustration 23**.

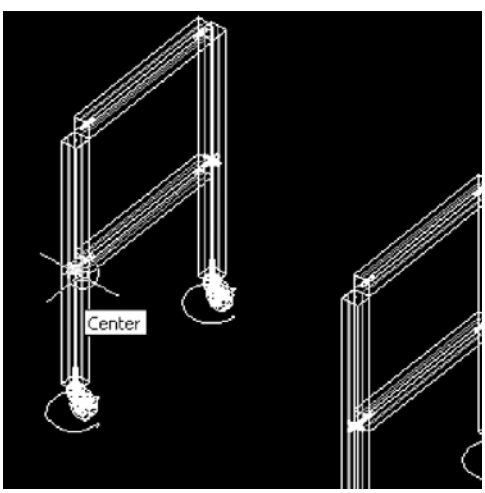


Illustration 23

8. Creating The Long Cross Member continued

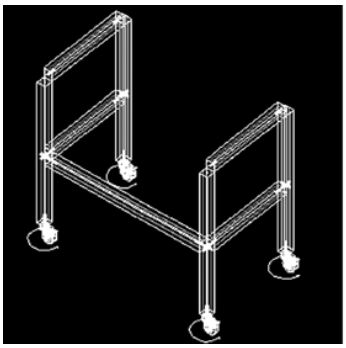


Illustration 24

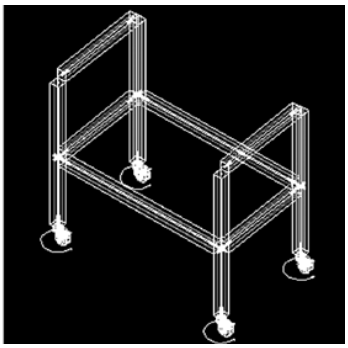


Illustration 25

On the Rotate Part Dialog Box, click on the **Rotate Part Around The X-axis** button until the part is in its proper position. Accept and close AutoQuoterX™. Your drawing should now look like **Illustration 24**.

Follow the same instructions above, except to create the other long lower cross member, choose the center of the clearance hole on the back left leg. Rotate the part into position. Accept and close AutoQuoterX™. Your drawing should look like **Illustration 25**.

Now, let's create the long upper cross members. Open the AutoQuoterX™ Main Form by clicking the button on the AutoQuoterX™ Tool Bar.

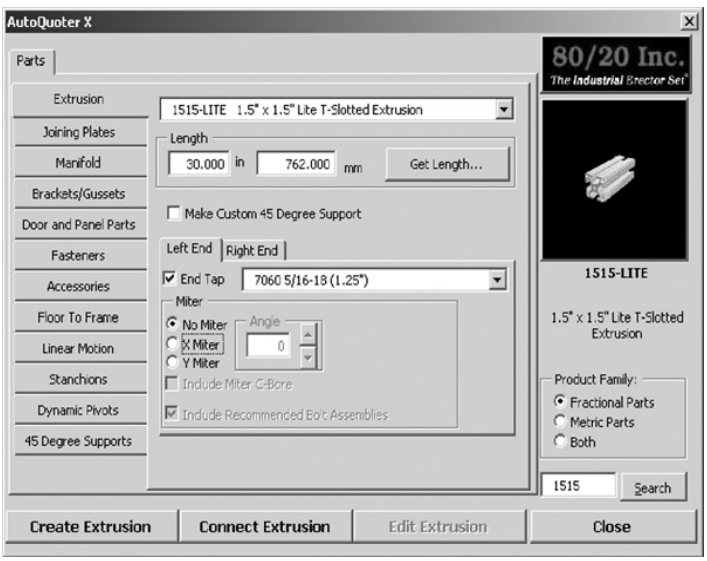


Illustration 26

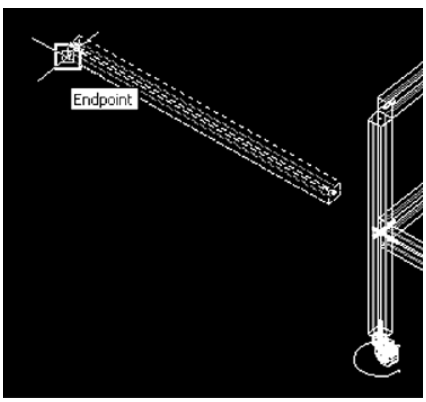


Illustration 27

Specify a 30-inch long piece of *1515-Lite* with a *7060* 5/16-18 end taps on both ends.

Click on the **Create Extrusion** button and place this piece in an empty area on the left side of the drawing screen. Rotate the piece on the X-axis one time. Accept and close AutoQuoterX™.

We will now move this piece into position. Type the AutoCAD® **Move** command and press **Enter**. Select the upper cross member you just created and press **Enter**.

8. Creating The Long Cross Member continued

Select the base point as shown in **Illustration 27**.

AutoCAD® now prompts you for the second point of displacement. Choose the endpoint as shown in **Illustration 28**.

Your drawing should now look like **Illustration 29**.

Type AutoCAD®'s **Copy** command, and press **Enter**.

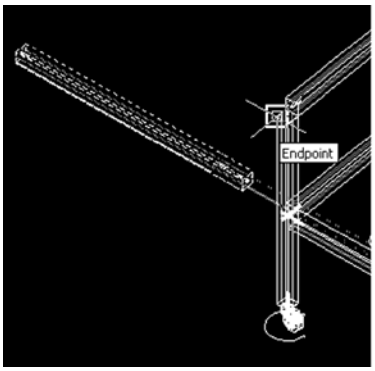


Illustration 28

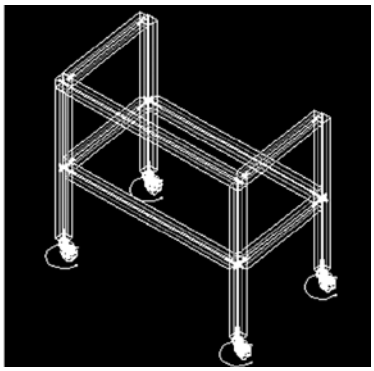


Illustration 29

Select the upper cross member you just moved and press **Enter**.

AutoCAD® prompts you for a base point. Choose anywhere on the drawing screen. Move your mouse up and to the right. Let go of your mouse and type **16.5**, then press **Enter**. Your drawing should resemble **Illustration 30**.

9. Editing The Upper Short Cross Members

Select the AutoQuoterX™ Main Form in edit mode by picking the button from the AutoQuoterX™ Tool Bar. You will be prompted to select an object. Select the upper-right-short cross member of the cart. The AutoQuoterX™ Main Form will appear as shown in **Illustration 31**.

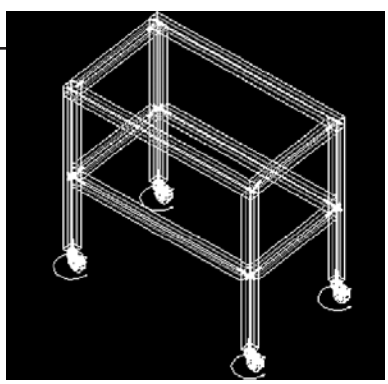


Illustration 30

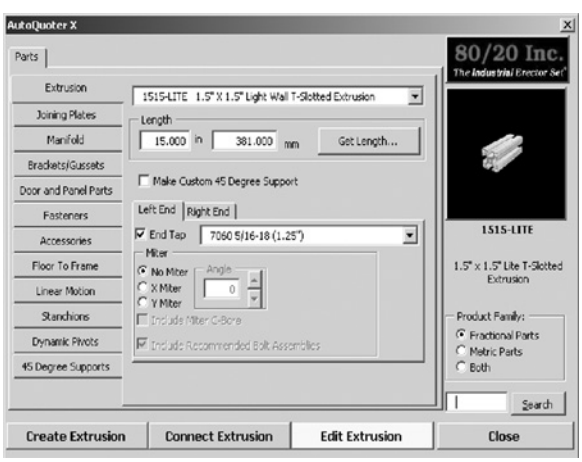


Illustration 31

Note that the **Edit Extrusion** button is now highlighted. Remove the check mark in the "End Tap" box for the left and right end and then click the **Edit Extrusion** button.

Click on the **Accept** button. Close the AutoQuoterX™ main form.

Make the same change to the upper-left-short cross member of the cart.

10. Machining The Upper Cross Member

Your drawing should now look like **Illustration 32**. We need to add the counterbore machining to the upper, short cross members.

Zoom into the area of your drawing shown in **Illustration 33**.

Select the **Machine Extrusion** button on the AutoQuoterX™ Tool Bar.

Select the upper right, short cross member.

When the **Machining Services** form appears, select the **Anchor Fastener CBores** tab. **7040 Anchor Fastener Counterbore for 15 Series** is the only option, so it is selected. Leave the **Recommended Bolt Assemblies** box checked; it will add in the *Anchor Fastener* for us automatically.

Click on the **Add CBore** button.

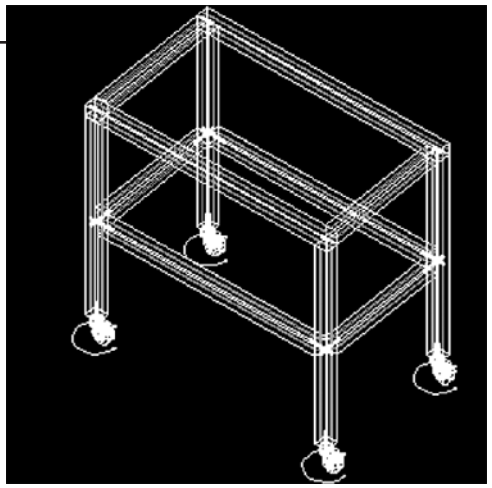


Illustration 32

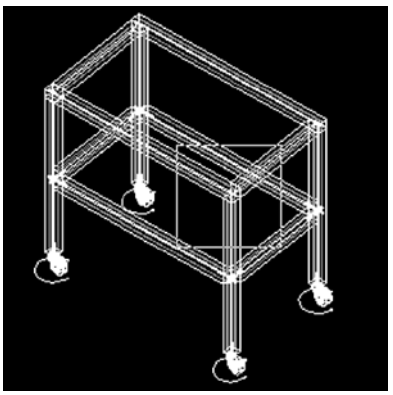


Illustration 33

Illustration 34

10. Machining The Upper Cross Member continued

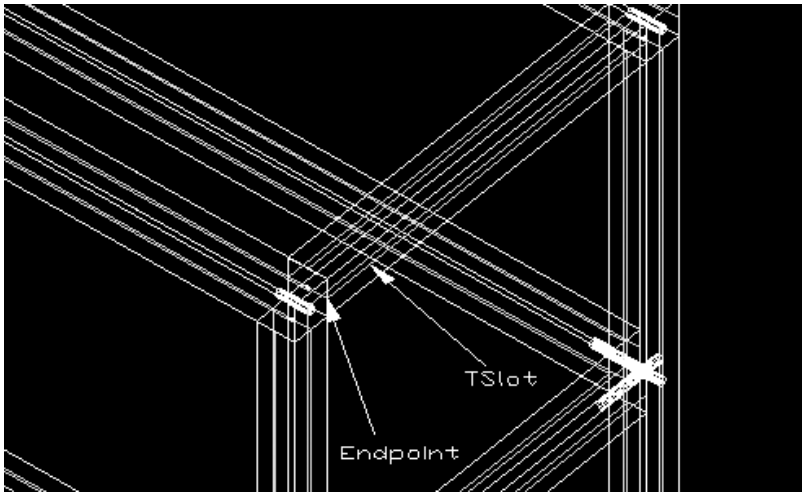


Illustration 35

When you are prompted to select a T-slot, select the one marked **T-Slot** by the arrow in **Illustration 35**. When you are prompted to select an insertion point, select the **Endpoint** indicated by the arrow in the same Illustration.

The counterbore should appear like the one in **Illustration 36**. Answer **Yes** in the dialog box and place a counterbore on the other end of this profile in the same T-slot.

Now place two *7040 Anchor Fastener Counterbores* on the outside slot of the upper left, short cross member on the cart. Zoom in to locate the T-slot.

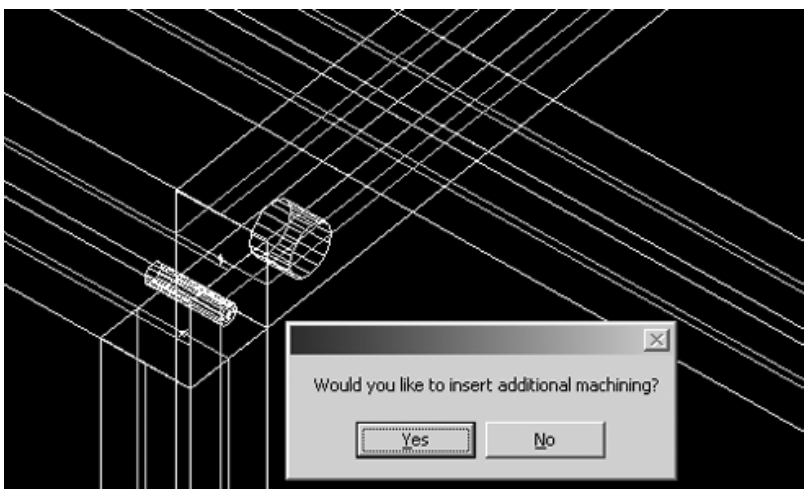


Illustration 36

11. Machining The Legs With C-Bores

Now we will add *Anchor Fastener Counterbores* to the top of each leg to hold the upper frame in place.

As we did in the previous step, choose the **Machine Extrusion** button on the AutoQuoterX™ Tool Bar. When prompted to select a profile, select the right front leg.

When the **Machining Services** form appears, select the **Anchor Fastener CBores** tab. **7040 Anchor Fastener Counterbore for 15 Series** is the only option, so it is selected. Leave the **Recommended Bolt Assemblies** box checked; it will add in the *Anchor Fastener* automatically.

Click on the **Add CBore** button. When prompted to select a T-slot, select the one indicated in **Illustration 37**.

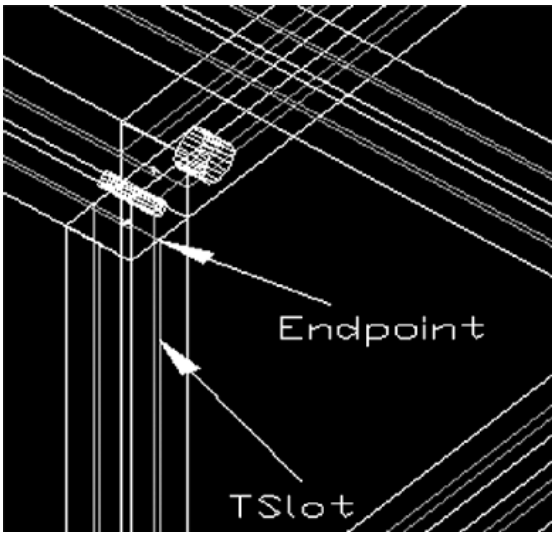


Illustration 37

For the insertion point, select the endpoint of the same T-slot as in **Illustration 37**.

Upon insertion of the counterbore, you will be prompted to insert additional machining. Answer **Yes**; then use **'Z** and **A** to zoom all, and **'Z** and **W** to zoom window, placing the same counterbore on the other three legs.

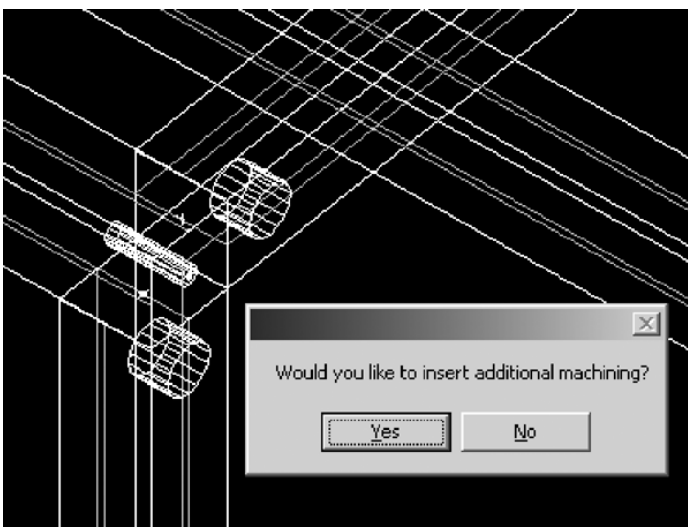


Illustration 38

After adding the other counterbores, type **ZA** and press **Enter**; your drawing should now look like the one in **Illustration 39**.

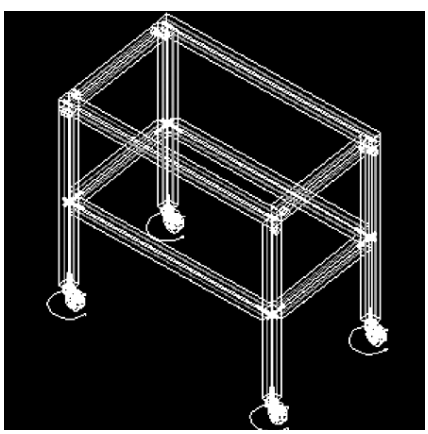


Illustration 39

12. Adding The End Caps

Now, let's add the last detail to the frame. There are four exposed profile ends that need *End Caps*. We tapped those ends so the push-in fasteners would be more secure.

First, zoom in on the same corner we used to start the C-bore example. Click on the button on the AutoQuoterX™ Tool Bar to start the AutoQuoterX™ Main Form. When the form is open, click on the **Accessories** tab and look for the *2030 Black End Cap* for a *1515-Lite* profile.

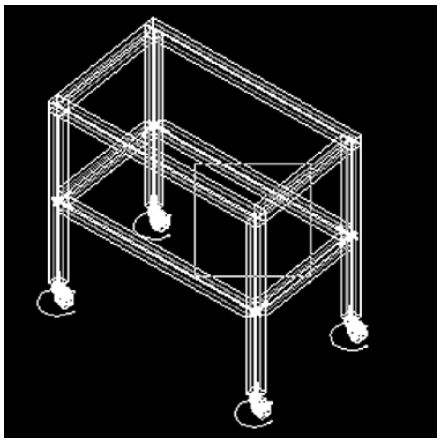


Illustration 40

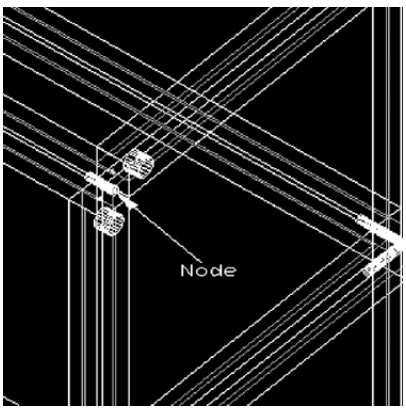


Illustration 41

As you select items on the list, the thumbnail graphic changes, giving you a visual of the part selected. Click on the **Create Accessory** button. Select the green or yellow node point indicated in **Illustration 41**.

The *End Cap* comes in at a neutral position, based upon your UCS orientation. The nub on the *End Cap* must be placed so as not to interfere with the Cbore. Look at the UCS icon. Rotate the end cap around the X and Y axes 90 degrees.

Click on the **Rotate Part Around X-Axis & Rotate Part Around Y-Axis** buttons to apply the rotation. Click on the **Accept** button and then **Close** the AutoQuoterX™ main form.

Your drawing should look like the one shown in **Illustration 42**. Now you are ready to put *End Caps* on the other three corners of the cart.

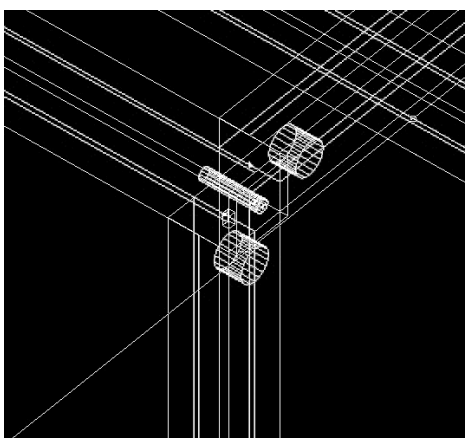


Illustration 42

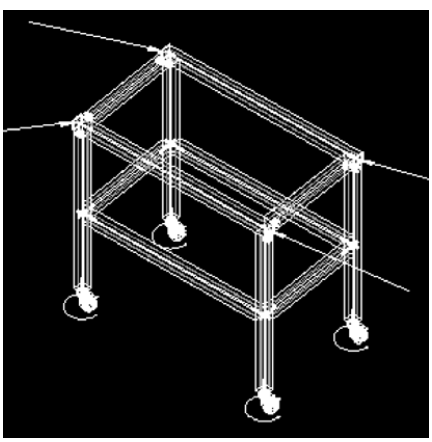


Illustration 43

Remember to **Zoom In** on the corner you are working on. After you insert your part on the node you may need to rotate on the Y-axis also.

Your drawing should now look like **Illustration 43**. The end caps are marked with arrows for your convenience in locating them.

13. Adding The Top Shelf

To complete the design with the two shelves, we will need to use the new Panel Designer.

Click on the **Panel Designer** button from the AutoQuoterX™ Tool Bar to open the **Panel Designer** form.

Select a *2633 6mm Blue Alumalite Panel* from the drop down list.

We want this panel to fit inside the opening of the top, so set the width to 27” and the height to 15”.

After the opening size is set, select the **T-slot In-Set** button for *15 Series*. This will reset the width to 27.75” and the height to 15.75”.

Note: You could put the offset in yourself. However, if you click the **T-slot In-Set** button and let the software do this for you, the insertion point will be offset to make insertion easier.

Leave the **Insertion Style** set to **Mid Thickness**. This will center the panel in the T-slot.

Select the **Insert Panel** button. Type **‘Z** and press **Enter**, then type **W** and press **Enter** for a window type zoom. Place your window around the top left, rear corner of the cart.

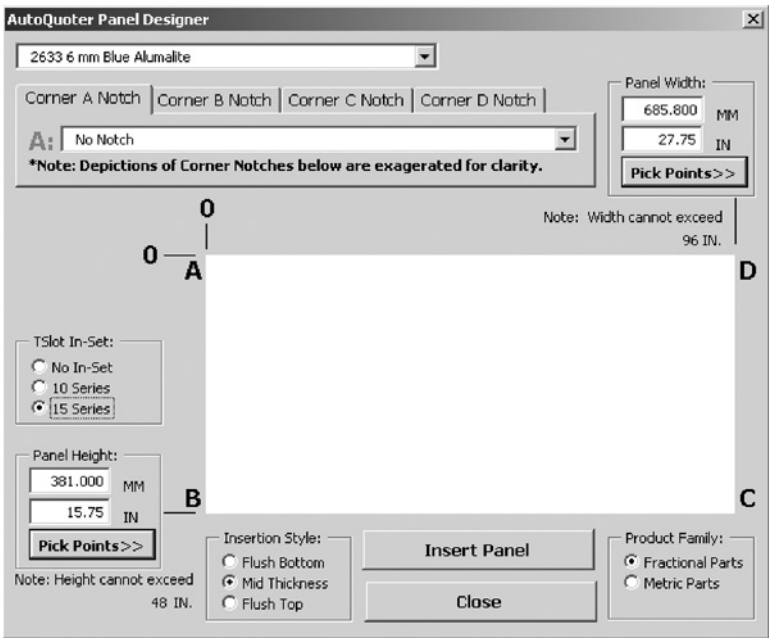


Illustration 44

13. Adding The Top Shelf continued

Insert the panel at the point indicated in **Illustration 45**.

Click the **Zoom Out 10%** as many times as necessary, and move the dialog box if necessary, to see the panel. The panel will need to be rotated on the Z-axis three times to position it properly.

Click the **Accept** button.

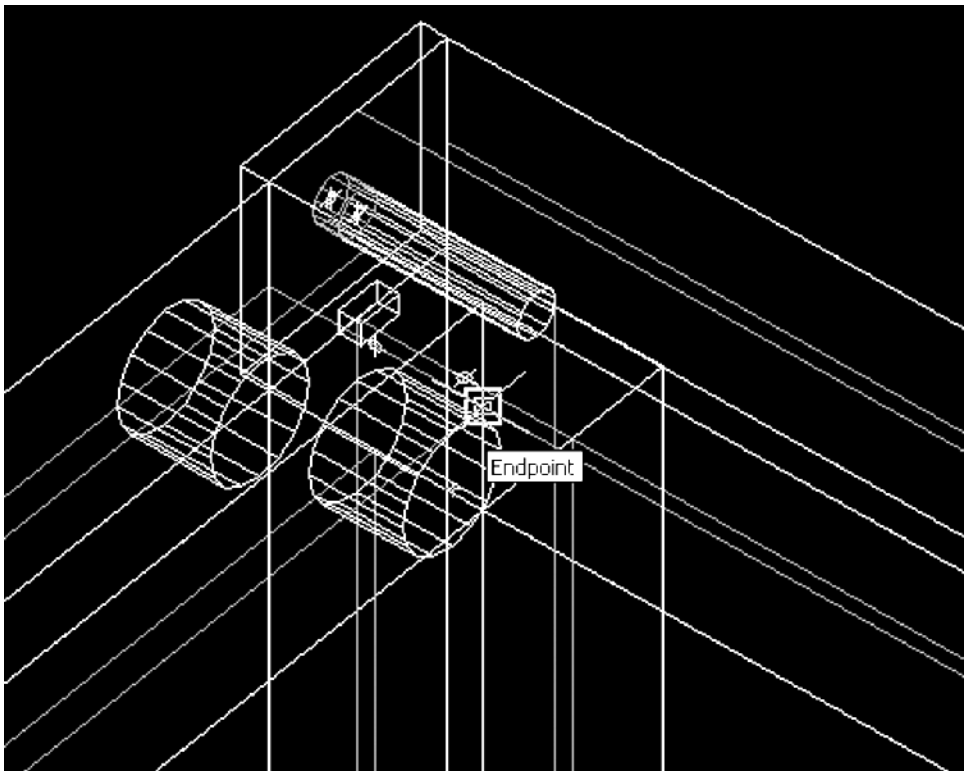


Illustration 45

14. Adding The Bottom Shelf

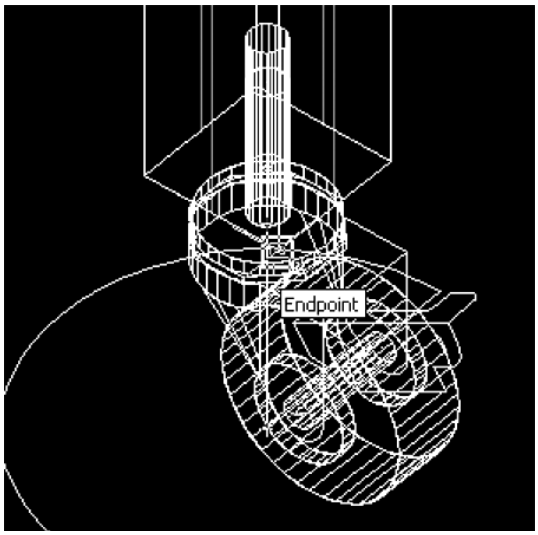


Illustration 46

Zoom in on the right-front caster and leg so you can see and use the Endpoint shown in **Illustration 46** to connect the bottom shelf.

Click on the Panel Designer button again. Select the *2633 6mm Blue Alumalite Panel*. This time, however, select from the pulldown tabs for Corner A through Corner D, the *7600 Overlay Notch For 1515 extrusions*.

For **Width** and **Length**, use the overall dimensions of the cart, which makes the panel 30 inches wide, and 18 inches high.

Set the **Insertion Style** to **Flush Bottom**. This will place the panel on top of the profile.

Select the **Insert Panel** button.

Using **Illustration 46** as a guide, select the **Endpoint** on the right front leg. Zoom out if you need to see more of the panel. Rotate the panel on **Z** one time. Click the **Accept** button.

To finish the cart you will move the panel up 12.75”. This will place the panel on top of the lower profile cross members.

Type the AutoCAD® **Move** command and press **Enter**.

Select the bottom panel and press **Enter**.

Select a base point anywhere on the drawing screen and type **@0,0,12.75**; press **Enter**.

Go back to the **Modified Southwest Isometric View** by selecting the button on the AutoQuoterX™ Tool Bar. Type **Shade** at AutoCAD®'s command prompt and press **Enter** to see the finished design.

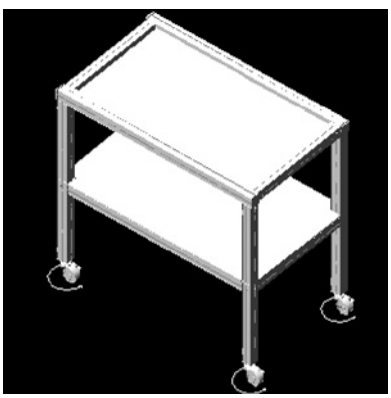


Illustration 47

B. Running a B.O.M.

The B.O.M. generation is a simple process.

When the design is completed, simply pick the button from the AutoQuoterX™ Tool Bar. This will open the **B.O.M. Wizard** and guide you step-by-step in creating a B.O.M. that doubles as a professional quote.

The **Wizard** introduction screen is the first to appear. In the lower left hand corner, you will see which page you are on while you are using the Wizard. In the image on the top left hand corner, you will see a map of the Wizard.

Illustration 48

B. Running a B.O.M. continued

Click on the **Next >** button to move on.

On the **Order Info** page, you will input information about this quote.

First of all, how many total finished units of this quote do you want? Input this number into the **Number of Kits** field.

Input the **Required Delivery Date**, **Distributor PO Number** and **Customer PO Number**, and the **Customer Reference Number**, if you have that information.

Finally, the **Notes** section will allow you to input any information that affects this quote or may require some special attention.

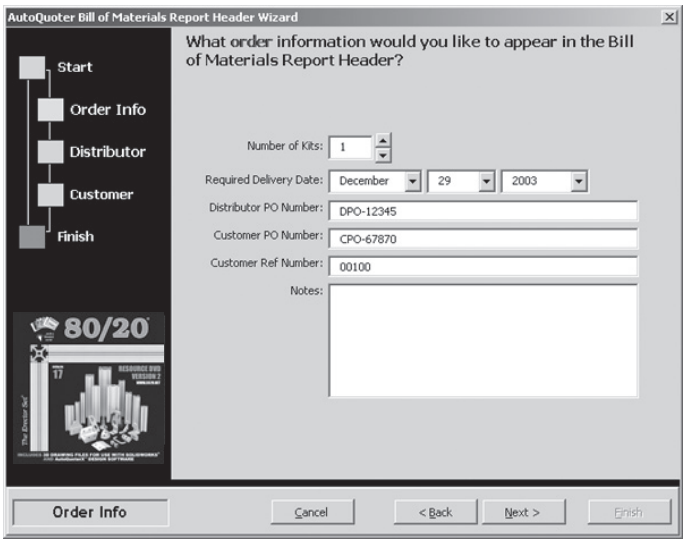


Illustration 49

Click on the **Next >** button to move on.

On the Distributor page, the quote can be further customized.

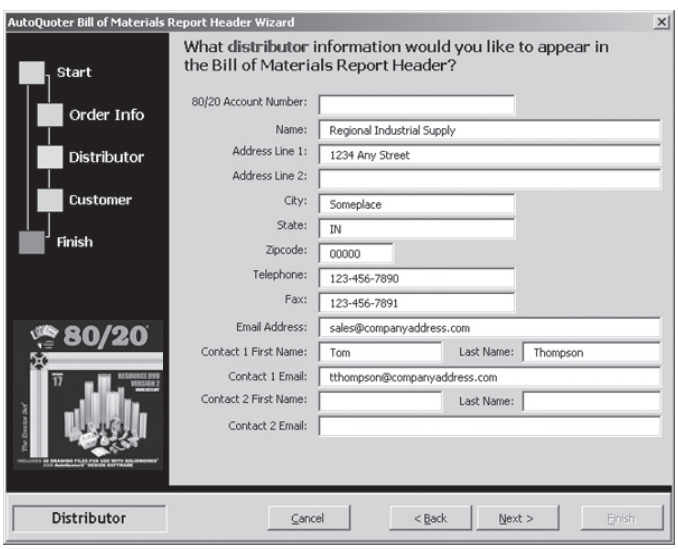


Illustration 50

Fill in all the appropriate data for the distributor so that the finished quote can be used to place an order once the quote is accepted. It only takes a moment, and can save time later if there is a rush after the quote is accepted and an order is placed.

Entering contact information is important, so that if there are any questions about the quote, all the information needed to contact the distributor for clarification is right on the quote sheet.

B. Running a B.O.M. continued

Click on the **Next >** button to move on to the Customer page.

On this page, like the page before it, fill in all the appropriate data for the customer, so that the finished quote can be used to place an order once the quote is accepted.

As noted in the previous section, entering contact information is important so that if a customer leaves a message regarding a question about the quote, all information needed to contact the customer is right on the quote sheet.

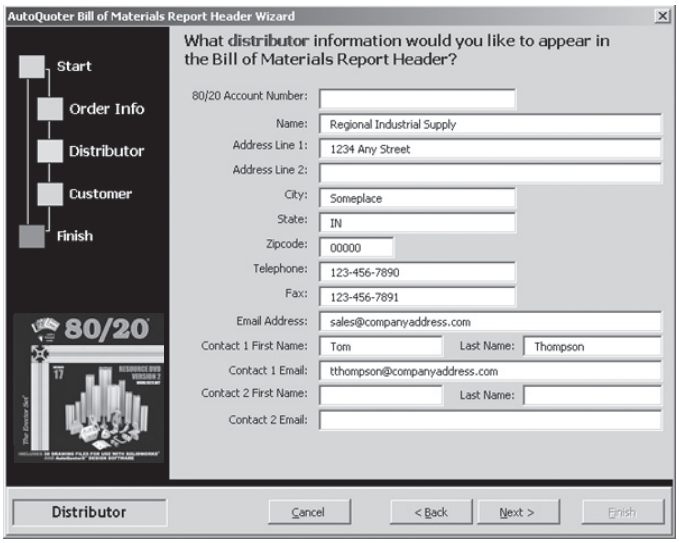


Illustration 51

If this can be used to shorten the response time to questions, we will be meeting customer needs in more of a real-time method.

Illustration 52

Click on the **Next >** button to move on to the Finish page.

Now that all of the information for the B.O.M. has been entered, you must select the orientation for printer output. Just below the Wizard map, the Portrait/Landscape option now appears.

For now, leave this set to Portrait and click on the **Finish** button.

The B.O.M. will now be built, populated with the data you've just input, and oriented as you have indicated.

B. Running a B.O.M. continued

After the data in the drawing is processed, the form shown in **Illustration 53** will appear.

This form displays your finished Bill Of Materials.

As you can see, the Order, Distributor, and Customer information are all included in the header. Tag numbers are automatically included on the B.O.M. (they are generated by the B.O.M. function).

This B.O.M. is organized into the order format recommended by 80/20®, and can be used to place an order.

It is important to note that all pricing is budgetary in nature, based upon a dated, published price list, and that newer price lists supersede all previous price lists.

The Full B.O.M. can be printed, or exported and saved to a number of formats. These formats are PDF, Excel '97, Excel '95, XML, and Rich Text.

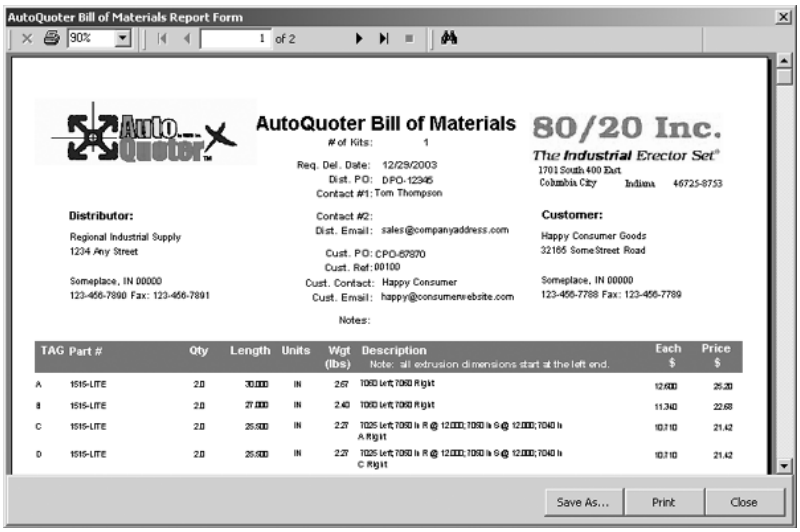


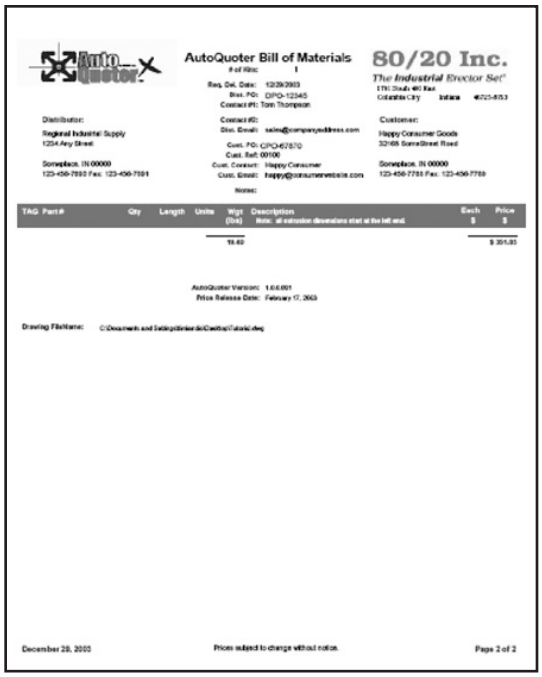
Illustration 53

B. Running a B.O.M. continued

AutoQuoter Bill of Materials

80/20 Inc.

The Industrial Erector Set®



AutoQuoter Bill of Materials

80/20 Inc.

The Industrial Erector Set®

Illustration 54

Illustration 54 shows the two pages of the B.O.M. for the current design.

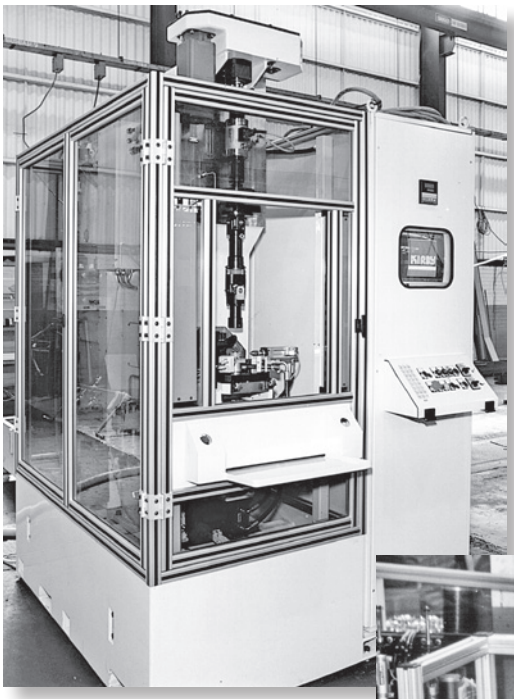
We have covered some of the functionality of the AutoQuoterX™ software. There are, however, many additional areas of functionality that were not covered in this tutorial. See the Step-by-Step Tutorial or the Users Guide for additional information.

Thank you for choosing AutoQuoterX™.

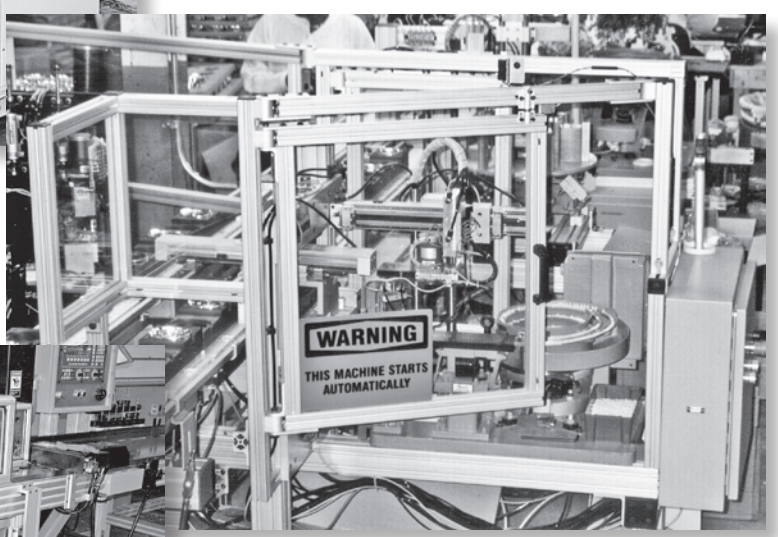
80/20® Inc.

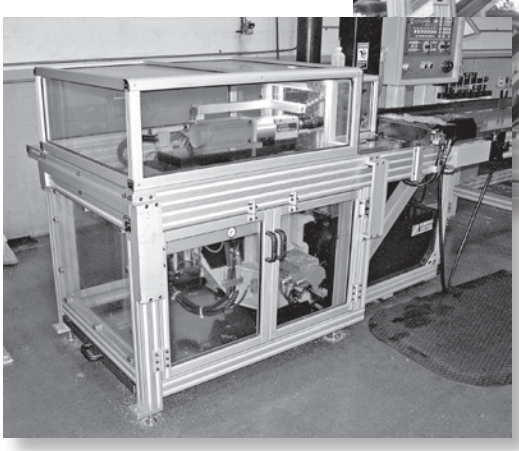
80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

Automation Guarding & Enclosures by 80/20®



- To add linear motion, use pneumatic cylinders and 80/20's own UHMW-PE bearings
- Clear polycarbonate panels provide great protection while allowing the machine operator to still see their work
- No maintenance! UHMW-PE bearings virtually last forever and NEVER wear out!
- For more 80/20® guarding solutions, check out our web site, www.8020.net; click the Solutions In Action link.



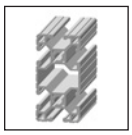


New Products

What's new at 80/20? Lots of things! We've added new parts to our line, including four new ultra light profiles, fasteners, panels and machining services. Many new parts were added because you, our customers, asked for them!

1530-ULS Profile

Page 56

1530-UL Profile

Page 57

40-4040-UL Profile

Page 58

40-4080-UL Profile

Page 59

Roll-In T-Nuts with Ball Spring

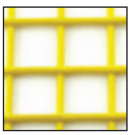
Page 60

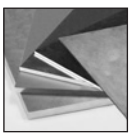
Miter Connector

Page 61

Recycled Polycarbonate

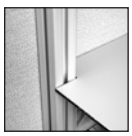
Page 62

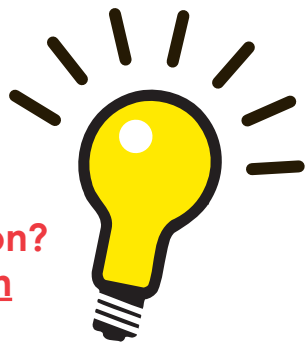
Thermoplastic Coated Wire Mesh

Page 62

Solid Aluminum Plate

Page 63

Adjustable Floor Locks

Page 63

Panel Notch Service

Page 64



Have a new product idea or suggestion?
Email us at newproducts@8020inc.com

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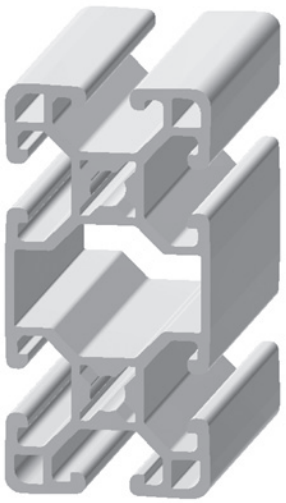
The Industrial Erector Set®
THE STANDARD

1530-ULS T-Slotted Profile - 15 Series

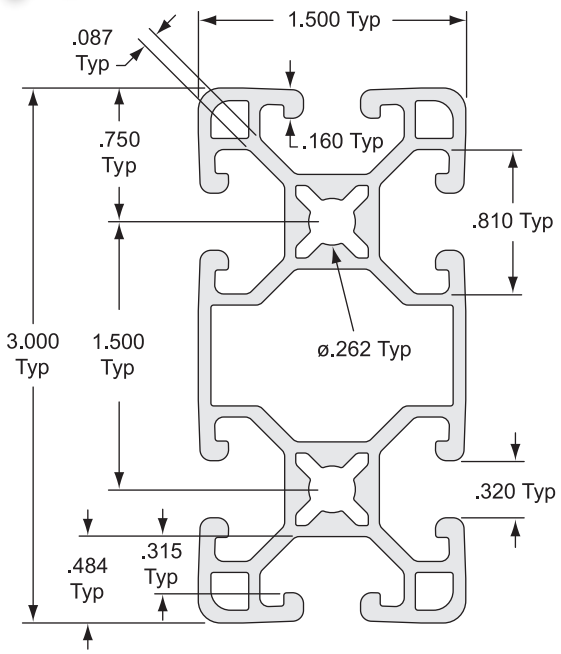
- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- 1515-ULS is a great choice when modularity is needed in lightweight applications such as guards, enclosures, workstations and furniture
- 1530-ULS profile has a smooth surface
- Compatibility Code*: 8-15



VIBRATION PROOF™ **

NEW!

Part No.	1530-ULS
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.591 Lbs.
Stock Length (+/- .125")	145" - Part No. 1530-ULS-145 242" - Part No. 1530-ULS-242
Moment Of Inertia	IX=1.977"⁴ IY=0.314"⁴
Estimated Area	1.325 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7045 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

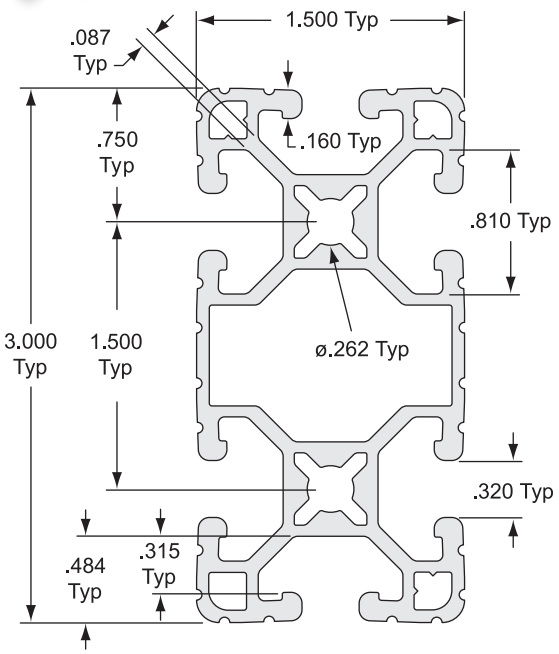
1530-UL T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- 1515-UL is a great choice when modularity is needed in lightweight applications such as guards, enclosures, workstations and furniture
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

NEW!

Part No.	1530-UL
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.609 Lbs.
Stock Length (+/- .125")	145" - Part No. 1530-UL-145 242" - Part No. 1530-UL-242
Moment Of Inertia	IX=1.9978"⁴ IY=0.3146"⁴
Estimated Area	1.3396 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7045 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

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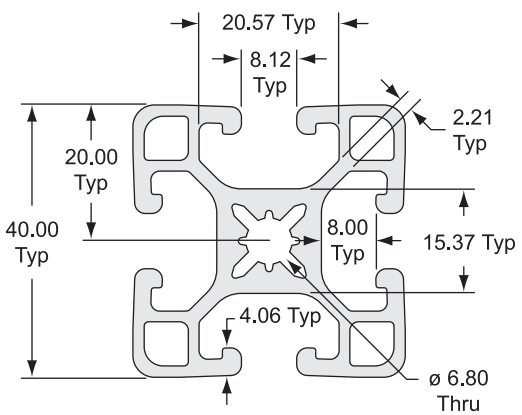
40-4040-UL T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Four open T-slots for mounting accessories
- A great choice when strength is needed in a lightweight application such as guards, enclosures, workstations, displays and furniture
- Compatibility Code*: 8-40

VIBRATION** PROOF™

NEW!

Part No.	40-4040-UL
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.589 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4040-UL-4M 6m - Part No. 40-4040-UL-6M
Moment Of Inertia	IX=8.7060 cm^4 IY=8.7060 cm^4
Estimated Area	6.0349 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7010 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7059 (see page 1030)

* See Compatibility Code information on page 642.
** See 2° Drop-Lock information on page 640.

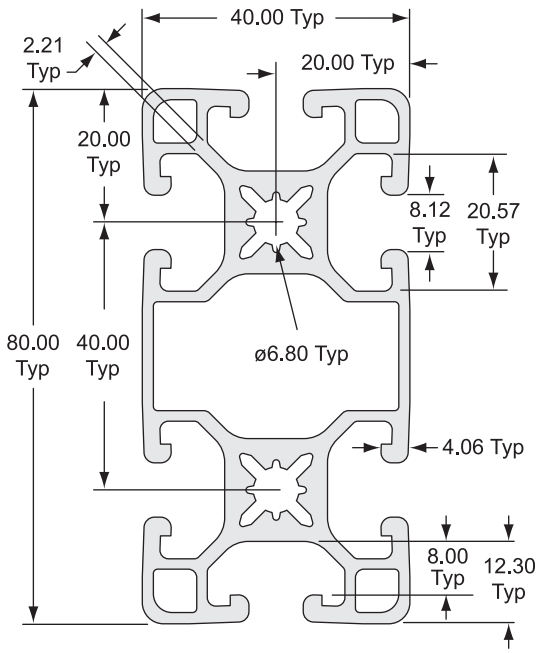
40-4080-UL T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- 40-4080-UL is a great choice when strength is needed in lightweight applications such as guards, enclosures, workstations, displays and furniture
- Compatibility Code*: 8-40

VIBRATION PROOF™

NEW!

Part No.	40-4080-UL
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	2.707 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4080-UL-4M 6m - Part No. 40-4080-UL-6M
Moment Of Inertia	IX=106.9762 cm⁴ IY=15.4755 cm⁴
Estimated Area	10.3629 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7020 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7048 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

80/20® Inc.
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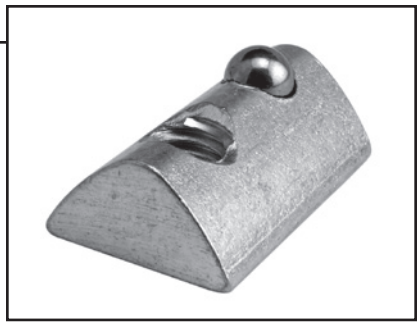
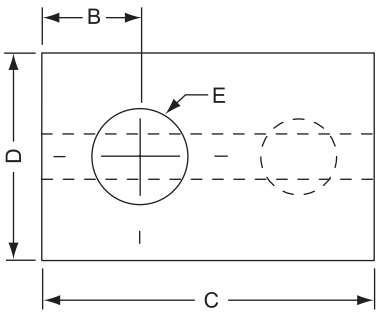
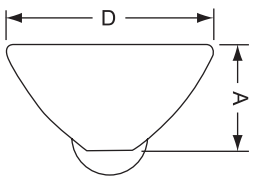
Roll-In T-Nuts with Ball Spring



- **10, 15, 25 and 40 Series compatible**
- **Easy to add and reposition to existing frame where T-slot ends are captivated**
- **Can be loaded from the profile end or the profile side**
- **The ball spring holds the T-nut in vertical position in the T-slot**
- **Refer to pages 249-259 for our full screw and bolt offering**



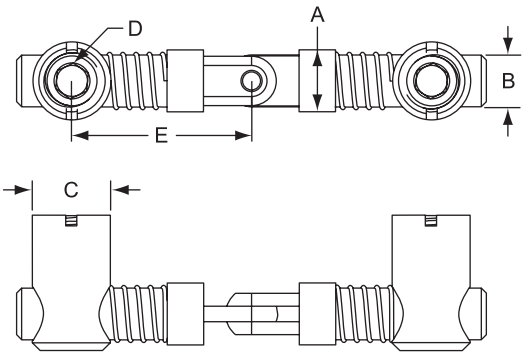


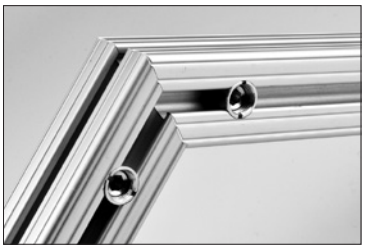
Now available for 10 Series

Part No.	A	B (Tap Location)	C	D	E (Thread)	Finish	Lbs.
3913	.276	.276	.866	.539	M5	Bright Zinc	.028
3914	.276	.276	.866	.539	M6	Bright Zinc	.026
3915	.276	.276	.866	.539	M8	Bright Zinc	.026
3916	.276	.276	.866	.539	1/4-20	Bright Zinc	.028
3917	.276	.276	.866	.539	5/16-18	Bright Zinc	.026
3919	.200	.200	.620	.395	M4	Bright Zinc	.0098
3920	.200	.200	.620	.395	M5	Bright Zinc	.0094
3921	.200	.200	.620	.395	M6	Bright Zinc	.0084
3922	.200	.200	.620	.395	10-32	Bright Zinc	.0092
3923	.200	.200	.620	.395	1/4-20	Bright Zinc	.0084
3666	.200	.200	.620	.395	M4	Stainless Steel	.0084
3667	.200	.200	.620	.395	M5	Stainless Steel	.0094
3668	.200	.200	.620	.395	M6	Stainless Steel	.0088
3669	.200	.200	.620	.395	10-32	Stainless Steel	.0096
3670	.200	.200	.620	.395	1/4-20	Stainless Steel	.0086
13018	.275	.255	.866	.539	1/4-20	Stainless Steel	.022
13021	.275	.255	.866	.539	5/16-18	Stainless Steel	.020

Miter Connector

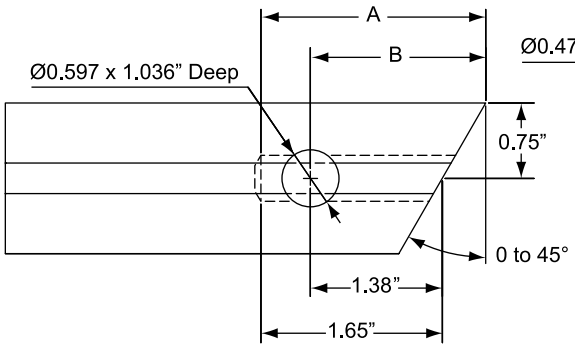
- Strong, internal connector
- For use on all square 15, 40 and 45 Series profiles
- Can be used in connection angles of 90° - 180°

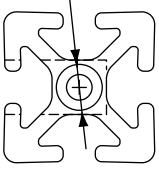




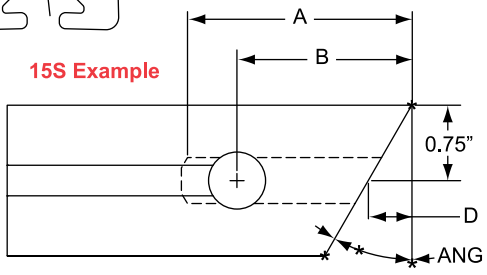
Part No.	A	B	C	D	E	Lbs.	Compatibile Profiles
13193	.469	.394	.590	6mm Hex	1.307	.193	1515-UL, 1515-Lite, 1515, 1517, 1547, 1501, 1502, 1503, 1504, 1515-ULS, 1515-LS, 1515-S, 1517-LS, 1501-LS, 1502-LS, 1503-LS, 1504-LS, 40-4040-UL, 40-4040-Lite, 40-4040, 40-4001, 40-4002, 40-4003,40-4004, 40-4030-Lite, 40-4045-Lite, 45-4545, 45-4545-Lite

Miter Connector Machining





15S Example



Part No.	Compatibile Profiles
7110	1515-UL, 1515-Lite, 1515, 1517, 1547, 1501, 1502, 1503, 1504, 1515-ULS, 1515-LS, 1515-S, 1517-LS, 1501-LS, 1502-LS, 1503-LS, 1504-LS

15 Series						
Bar Cut Angle (0-45):	ANG	7.5	15	22.5	30	45
Miter Offset:	D	0.099	0.201	0.311	0.433	0.750
12.1mm Dia Drill Depth:	A	1.752	1.855	1.964	2.087	2.404
15.2mm C-Bore from End of Bar:	B	1.437	1.540	1.649	1.772	2.089

ANG = 30°
D = 0.75" x tan ANG — D = 0.433"
A = 1.654" + D — A = 2.126"
B = 1.378" + D — B = 1.772"

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RECYCLED CLEAR POLYCARBONATE PANELS

- **Same machinability and impact resistance as our standard "virgin" polycarbonate panels**
- **Made from less costly, recycled material ***
- **Stable up to 240°**
- **Available in 1/4" thickness, Part No. 2646, and 3/16" thickness, Part No. 2647**

* When compared to our standard "virgin" polycarbonate panels, recycled material may appear slightly tinted

Part No.	Trade Name	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2643	Lexan® / Makrolon® / Palram	Clear	.118"	.737	48" x 96" + .875/-0
2610	Lexan® / Makrolon® / Palram	Clear	.177"	1.150	48" x 96" + .875/-0
2609	Lexan® / Makrolon® / Palram	Clear	.220 - .236"	1.500	48" x 96" + .875/-0 60" x 96" + .875/-0
2644	Lexan® / Makrolon® / Palram	Clear	.375"	2.340	48" x 96" + .875/-0
2645	Lexan® / Makrolon® / Palram	Clear	.500"	3.120	48" x 96" + .875/-0
2612	Lexan® / Makrolon® / Palram	Bronze	.177"	1.150	48" x 96" + .875/-0
2611	Lexan® / Makrolon® / Palram	Bronze	.220 - .236"	1.500	48" x 96" + .875/-0
2630	Lexan® / Makrolon® / Palram	Gray	.177"	1.150	48" x 96" + .875/-0
2629	Lexan® / Makrolon® / Palram	Gray	.220 - .236"	1.500	48" x 96" + .875/-0
2647	Recycled	Clear	.177"	1.150	48" x 96" + .875/-0
2646	Recycled	Clear	.220 - .236"	1.500	48" x 96" + .875/-0

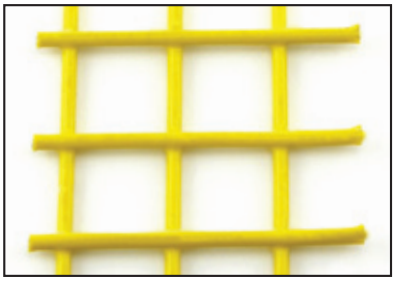
NEW!

Improved Thermoplastic Coated Wire Mesh Panels

80/20'S WIRE MESH NOW FEATURES A MORE CONSISTENT, ECO-FRIENDLY THERMOPLASTIC COATING

- **Widely used in guarding and enclosure applications**
- **Strong yet lightweight**
- **Low wear value, won't flake or chip**
- **Corrosion resistant**
- **Shear wire mesh panels to size with 7095 or 7100 services**
- **Available in black, yellow or grey**

NEW!



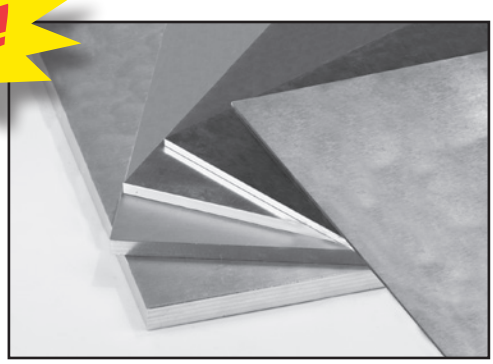
Part No.	Material	Wire Gauge	Thickness	Lbs. / Sq. Ft.	Dimensions	Stock Sheet Size
2472	Thermoplastic Coated Carbon Steel Black	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2474	Thermoplastic Coated Carbon Steel Black	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"
2478	Thermoplastic Coated Carbon Steel Black	12	.210"	1.300	Square 2" x 2"	48" x 96" +/- .50"
2473	Thermoplastic Coated Carbon Steel Yellow	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2475	Thermoplastic Coated Carbon Steel Yellow	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"
2477	Thermoplastic Coated Carbon Steel Grey	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2476	Thermoplastic Coated Carbon Steel Grey	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"

Get a free sample today by calling 260-248-8030 or emailing info@8020inc.com.

Solid Aluminum Plate

NEW!

- Unanodized mill finish
- 6061-T6 alloy
- Anodized parts quoted on request (CM)
- See page 608 aluminum panel machining services

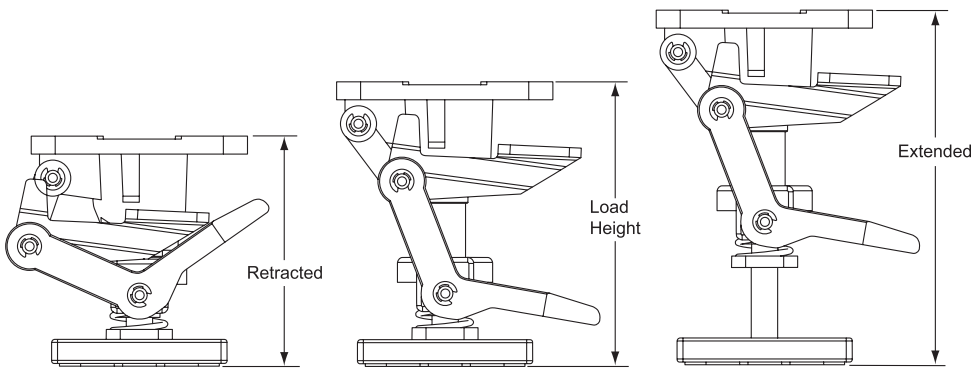


Part No.	Material	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2452	Aluminum Plate	.060"	.889	48" x 144" + .125/-0
2453	Aluminum Plate	.125"	1.764	48" x 144" + .125/-0
2454	Aluminum Plate	.187"	2.680	48" x 144" + .125/-0
2455	Aluminum Plate	.250"	3.700	48" x 144" + .125/-0
2456	Aluminum Plate	.375"	5.550	48" x 144" + .125/-0
2457	Aluminum Plate	.500"	7.400	48.5" x 96.5" + .375/-0

Adjustable Position Floor Locks

- 15 and 40 Series compatible
- Mount to profile T-slot or end by using base plate 2148
- Immobilize equipment with 70-120 lbs. force per lock
- Adjustability improves performance

NEW!



Part No.	Base Plate Part No.	Retracted	Extended Min.	Extended Max	Bolt Diameter	Lbs.
2731	2148	4.500	5.500	7.750	.500	6.831

Part No.	Base Plate Part No.	Retracted	Extended Min.	Extended Max	Bolt Diameter	kg.
40-2731	40-2148	114.30	139.70	196.85	12.70	3.10

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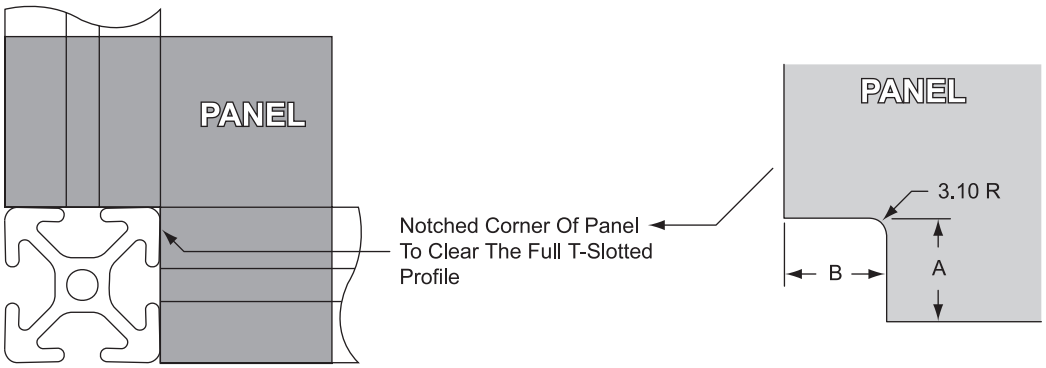
Extended Panel Notch Service - Plastic and Wire Mesh Panels

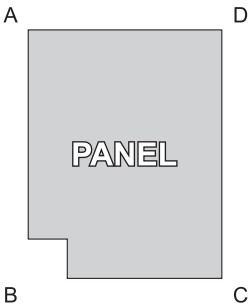
- **Provides clearance for perpendicularly mounted T-slotted profiles**
- **Refer to Section 6 for our full offering of panels**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**



For Plastic Panels and Wire Mesh

Service Part No.	Applicable Profiles	Service Type	A	B	Cut Tolerance
20-7597	20-2020	Corner Notch	21.50	21.50	+/- 1.52
25-7597	25-2525, 25-2501, 25-2502, 25-2503, 25-2504 & 25-2527	Corner Notch	26.50	26.50	+/- 1.52
25-7598	25-2550	Corner Notch	26.50	51.50	+/- 1.52
25-7599	25-5050	Corner Notch	51.50	51.50	+/- 1.52
30-7600	30-3030	Corner Notch	32.00	32.00	+/- 1.52
40-7600	40-4001, 40-4002, 40-4003, 40-4004, 40-4040, 40-4040-Lt, 40-4030-Lt & 40-4045-Lt	Corner Notch	41.50	41.50	+/- 1.52
40-7601	40-4080, 40-4080-Lt	Corner Notch	41.50	81.50	+/- 1.52
40-7602	40-8080	Corner Notch	81.50	81.50	+/- 1.52
45-7603	45-4545, 45-4545-Lt	Corner Notch	47.00	47.00	+/- 1.52
45-7604	45-4590	Corner Notch	46.50	91.50	+/- 1.52
45-7605	45-9090	Corner Notch	91.50	91.50	+/- 1.52

Ordering Example:
65-2609 (1) @ (AD) 500.00mm x (AB) 700.00mm
w/ 40-7600 on Corner B



Metric Reference Guide

Aluminum vs. Steel ---- 2
Peace of Mind ---- 3
Made with 80/20 Stuff ---- 23
New Products ---- 55
Aluminum Profile Selection ---- 65
Pictorial Table of Contents ---- 117
Fractional Series ---- 145-634
- Profiles ---- 147
- Structural Shapes ---- 203
- Fastening Options ---- 221
- Joining Plates ---- 261
- Dynamic Pivots ---- 333
- Panels & Doors ---- 349
- Accessories ---- 433
- Floor to Frame ---- 457
- Linear Motion ---- 497
- Stanchions ---- 533
- Tools ---- 549
- Machining Services ---- 559
- AutoQuoterX ---- 609

Metric Series ---- 635-1078
- Profiles ---- 637
- Structural Shapes ---- 695
- Fastening Options ---- 711
- Joining Plates ---- 753
- Dynamic Pivots ---- 815
- Panels & Doors ---- 831
- Accessories ---- 915
- Floor to Frame ---- 939
- Linear Motion ---- 979
- Tools ---- 1015
- Machining Services ---- 1025

Holey Tube ---- 1079-1164
- Profiles ---- 1081
- Fasteners ---- 1097
- Joining Plates ---- 1103
- Panels & Doors ---- 1109
- Accessories ---- 1129
- Floor to Frame ---- 1143
- Machining Services ---- 1155

Quick Frame ---- 1165-1214
- Profiles ---- 1167
- Connectors ---- 1171
- Panels & Doors ---- 1185
- Floor to Frame ---- 1203
- Machining Services ---- 1209

Glossary ---- 1215
Index ---- 1221

80/20 Catalog Color Code

Fractional Series Profiles and Parts
Pages 145-634

Metric Series Profiles and Parts
Pages 635-1078

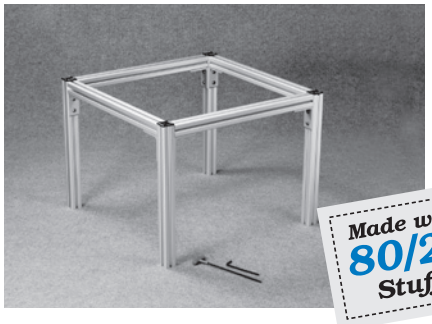
Holey Tube Profiles and Parts
Pages 1079-1164

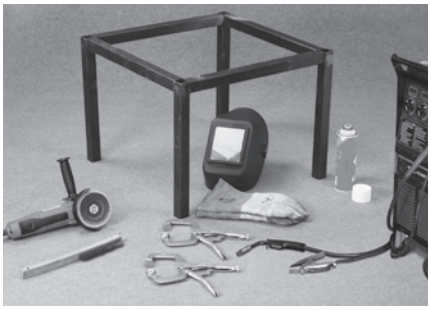
Quick Frame Profiles and Parts
Pages 1165-1214

Glossary & Index
Pages 1215-1248

80/20® Inc.
The Industrial Erector Set®
THE STANDARD

HOW 80/20'S METRIC T-SLOTTED ALUMINUM PROFILES REDUCE YOUR FABRICATION TIME AND COST





$200.34 *versus* **$236.19**

T-Slotted Aluminum

24" x 24" x 18" 20 Lbs.

What it Takes:

1. Design time*
2. Bill of materials*
3. Purchase materials
4. Assemble frame per design

* AutoQuoterX™ page 609

Benefits:

- No welding - no fighting heat stress or warping
- No priming or painting
- Lightweight, easy to machine
- Uses standard fractional or metric fasteners
- Less engineering time required
- Easy to fabricate - only simple hand tools required
- T-slot technology is industry accepted
- Great aesthetic value
- No expensive fabricating equipment required
- Machine frames can be easily reconfigured for design changes

Bill of Materials:

Qty.	Description	Cost
4	40-4040-Lite x 457.2	36.58
4	40-4040-Lite x 533.4	42.67
8	#40-7010 Saw Cut	15.60
8	#40-4301 Inside Corner Brackets	34.40
32	#75-3422 M8 x 16mm BHSCS & T-Nut	21.44
1	65-6110 T-Handle Ball End Hex Wrench	5.00
1	65-6100 Ball End Hex Wrench	1.75
4	40-2030 End Caps	5.40
	1/2 hr. labor to assemble @ 75.00/hr.	**37.50**
	Total Project Cost	**$200.34**

Welded Steel Frame

24" x 24" x 18" 33 Lbs.

What it Takes:

1. Design time
2. Bill of materials
3. Purchase materials
4. Cut to length
5. Deburr
6. Set up fixture
7. Weld
8. Grind welds
9. Clean weld splatter
10. Drill and/or tap for mounting accessories
11. Degrease
12. Mask non-paint areas
13. Primer coat
14. Paint

Fabricating Equipment Required:

• Band Saw • Grinder • Welder
• Paint Booth • Skilled Labor

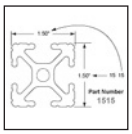
Bill of Materials:

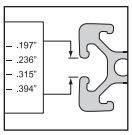
Qty.	Description	Cost
4	1 1/2" x 1 1/2" x 1/8" wall x 18" steel tube	38.96
4	1 1/2" x 1 1/2" x 1/8" wall x 21" steel tube	44.23
	Welding supplies, sandpaper, cleaning supplies, tape, paint, etc,	33.00
	4 hrs. labor @ 30.00/hr.	**120.00**
	Total Project Cost	**$236.19**

Section #1 Pictorial Table Of Contents

How To Order

Page 639

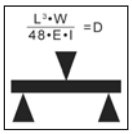
Metric Part Naming

Page 641

Compatibility Code


Page 642

Material Strength

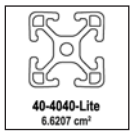
Page 643

Beam Deflection


Page 644

Torque Specifications

Page 645

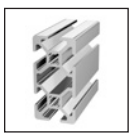
Profile Specifications


Pages 646-649

20 Series T-Slotted Aluminum Profiles

20-2020 Profile

Page 650

20-2040 Profile

Page 651

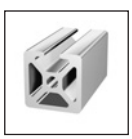
20-4040 Profile

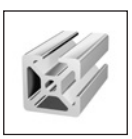
Page 652

25 Series T-Slotted Aluminum Profiles

25-2525 Profile

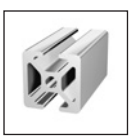
Page 653

25-2501 Profile

Page 654

25-2502 Profile

Page 655

25-2503 Profile

Page 656

25-2504 Profile

Page 657

25-2527 Profile

Page 658

25-2514 Profile

Page 659

25-5013 Profile

Page 660

25-2550 Profile

Page 661

25-2576 Profile

Page 662

25-5050 Profile

Page 663

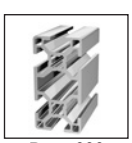
25-5010 Profile

Page 664

30 Series T-Slotted Aluminum Profiles

30-3030 Profile

Page 665

30-3060 Profile

Page 666

30-6060 Profile

Page 667

Table Of Contents Continued

80/20® Inc.
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Section #1 Pictorial Table Of Contents

40 Series T-Slotted Aluminum Profiles

40-4040-UL Profile

Page 58

40-4040-Lite Profile

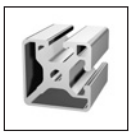
Page 668

40-4040 Profile

Page 669

40-4001 Profile

Page 670

40-4002 Profile

Page 671

40-4003 Profile

Page 672

40-4004 Profile

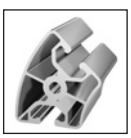
Page 673

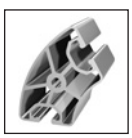
40-4030-Lite Profile

Page 674

40-4093 Profile

Page 675

40-4094 Profile

Page 676

40-4096 Profile

Page 677

40-4045-Lite Profile

Page 678

40-4020 Profile

Page 679

40-8020 Profile

Page 680

40-4080-UL Profile

Page 59

40-4080-Lite Profile

Page 681

40-4080 Profile

Page 682

40-4082-Lite Profile

Page 683

40-4083-Lite Profile

Page 684

40-4084-Lite Profile

Page 685

40-4085-Lite Profile

Page 686

40-4012 Profile

Page 687

40-8080 Profile

Page 688

40-8016 Profile

Page 689

45 Series T-Slotted Aluminum Profiles

45-4545-Lite Profile

Page 690

45-4545 Profile

Page 691

45-4590 Profile

Page 692

45-9090 Profile

Page 693

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How to Order 80/20® T-Slotted Profiles

As illustrated by the order below, some of the profiles have machining services. The type and location of the machining service is listed with the profile or quick frame, but the actual charge is listed separately in the machining services section of your order. For cut-to-length services, which are required for anything less than stock length, the charge is listed only in the machining services section, not the profile section. See Section 11 for more information on cut-to-length and machining services.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/UOM	Ext. Price
1	25-2525	2	469.9mm	25-7042 in A both ends	$0.01	$7.89
	40-4040-Lite-4M	5	4 m	Full length profile	$80.00	$400.00
	40-8016	4	1016.0mm	40-7029 one end	$0.14	$554.74
	40-8080	4	914.4mm	40-7050 style MG in W, X both ends	$0.06	$230.43
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	65-2611	1	.63 sm	6mm bronze polycarb 1 @ 457.2mm x 1016mm w/ 25-7311 per drawing	$111.95	$70.53
4	65-7150	1		Cut plastic panels all sides < -1220mm	$10.50	$10.50
	25-7042	4		25 Series anchor fastener counterbore	$2.25	$9.00
	25-7005	2		Cut-to-length for 25-2525	$1.95	$3.90
	40-7023	4		Cut-to-length for 40-8016	$2.90	$11.60
	40-7030	4		Cut-to-length for 40-8080	$2.60	$10.40
	40-7050	64		40 Series drill access hole	$1.95	$124.80
	40-7029	4		5/16-18 tap service for 40-8016	$15.20	$60.80
	25-7311	2		Anchor fastener notch for 25 Series	$0.53	$1.06
5	40-3891	32		40 Series M8 bright zinc end fastener w/ screw	$1.65	$52.80
	25-2114	16		Gray T-Slot covers for 25 Series	$3.45	$55.20
	40-2050	8		End caps for 40-8080	$1.85	$14.80
	25-3896	4		25 Series anchor fasteners	$3.10	$12.40
	40-1982	5		40 Series M8 bright zinc double economy T-nut	$0.84	$4.20
	25-4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	75-3404	24		25 Series M6 BHSCS & economy T-nut	$0.45	$10.80
				TOTAL		$1739.25

NOTE: Prices shown for illustration use only. Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 640-694 • 2 - Custom Parts = Pages 695-710 • 3 - Panels = Pages 831-914
4 - Machining Services = Pages 1025-1078 • 5 - Accessories & Tools = Pages 915-938 & 1015-1024

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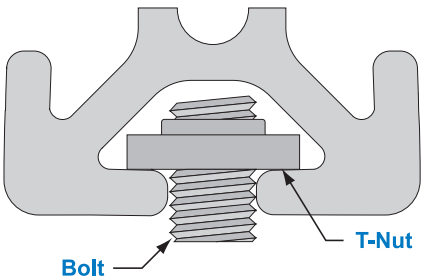
80/20® Product Advantages

- Attractive appearance
- Easy to fabricate
- Many joining options
- Easy-to-assemble designs
- Precise tolerances
- Uniform quality assured
- High strength/weight ratio
- Corrosion resistant
- Recyclable
- Cost-effective
- Design freedom
- Lightweight
- Strong
- Resilient
- Non-magnetic

Aluminum is very strong–consider what kinds of things are made of it: airplanes, light posts, truck trailers, tennis rackets, baseball bats, sailboat masts, scaffolding, car body and engine parts, guard rails, ladders, wheel rims, computer housings, bicycle frames and more!

T-Slotted Aluminum Profile Concept

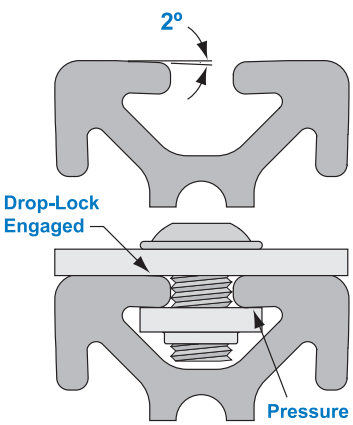


80/20®'s modularity is based upon the T-slot concept of our profiles. The "T" shaped slots present on all of our profiles allow for infinite positioning along the axis. While there are other types of T-slotted profiles in the industry, one modification to the 80/20® line is a slight adjustment to the "T" that creates the 2° Drop-Lock Feature.

Note the "T" shape of the assembled bolt and nut shown in the example above.

www.8020.net/Tslotconcept.asp

The T-Slotted Profile 2º Drop-Lock Feature



The 2° Drop-Lock Feature is one of the many selling points of the 80/20 product line. This drop lock consists of a 2° decline of the T-slot flange. When a fastener is tightened to (or beyond) the necessary torque, the flange will press up to the adjoining profile, thus creating pressure that tightly holds the two bars together.

Benefits of 80/20®'s Drop-Lock Feature:

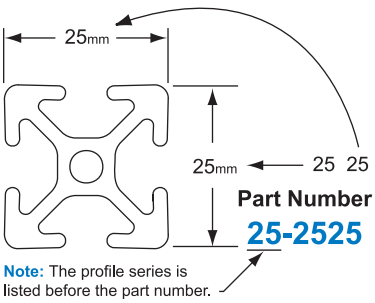
- Most 80/20® T-slotted profiles have the Drop-Lock Feature
- When engaged, the connections will be vibration proof
- Works with all of 80/20®'s main fastening options

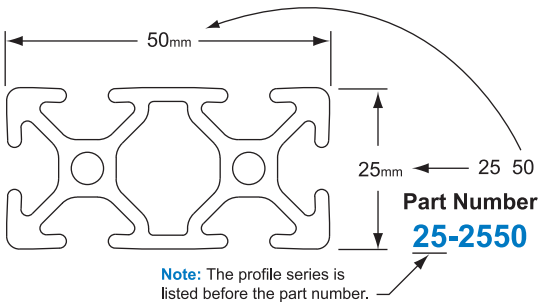
VIBRATION PROOF™

Metric Part Naming Concept & Identification

Metric T-slotted profiles have part numbers that directly coincide with the profile's physical measurements. Metric profile part numbers contain six characters, which relate to the profile's series and dimensions. This series part-numbering concept is explained in more detail below.

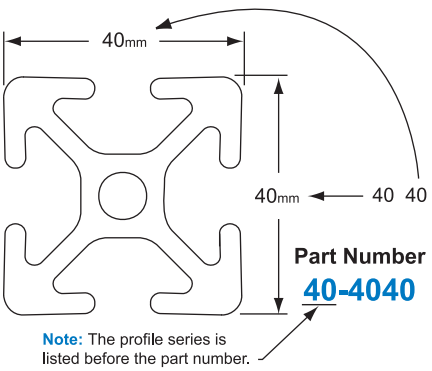
25 Series Profile Standards

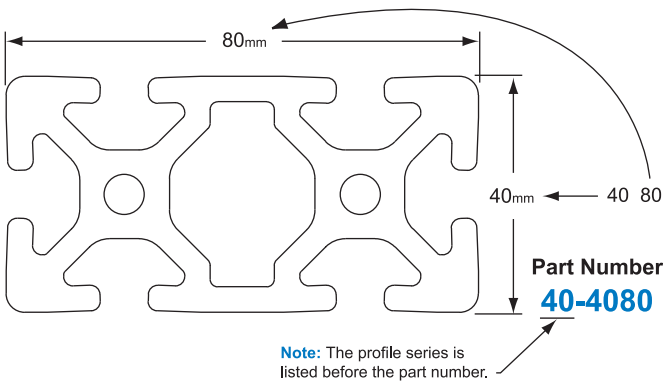




Note: 25 Series profiles always measure 12.50mm from the outside edge of the profile to the center of the T-slot.

40 Series Profile Standards





Note: 40 Series profiles always measure 20.00mm from the outside edge of the profile to the center of the T-slot.

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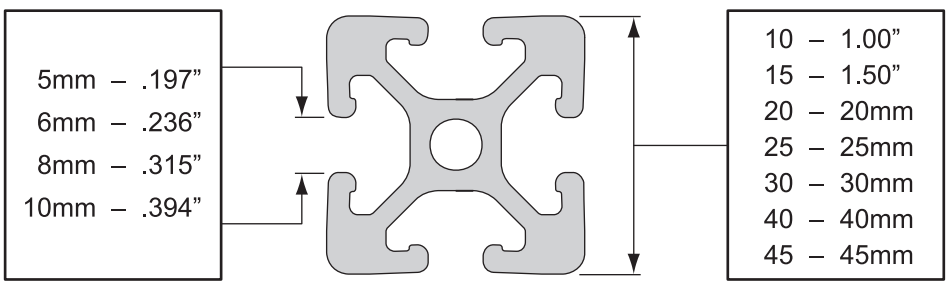
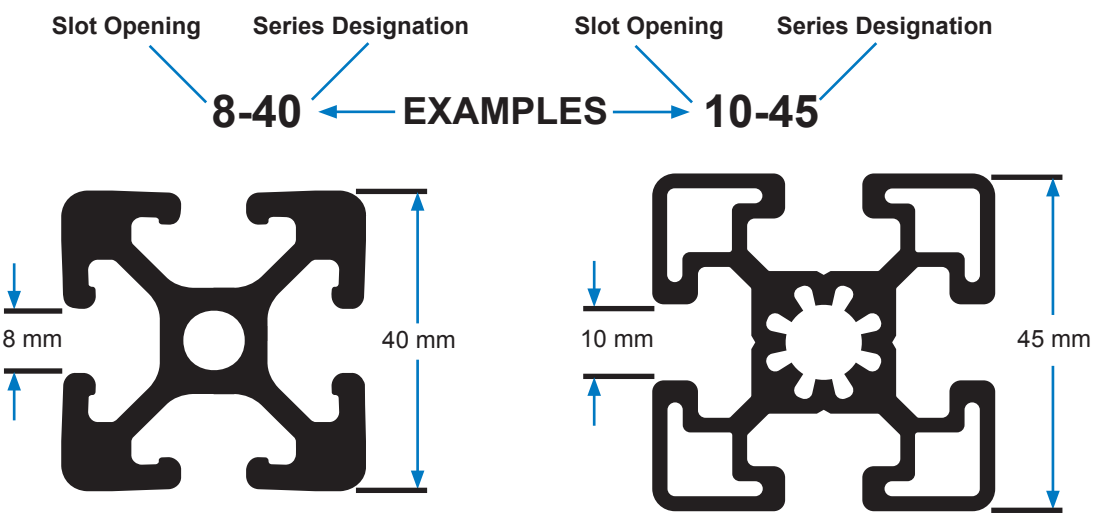
T-Slotted Aluminum Profile Compatibility Code*

How to find parts compatible with the T-slotted profile you are currently using:

1. Not all T-slotted profiles are created equal. Not only are there numerous outside dimensions, fractional and metric, but there are also differences in T-slot dimensions. The opening of the slot is the critical dimension when determining part/profile compatibility.
2. Certain fasteners, parts and accessories are designed to work with only one particular slot dimension, while others are compatible with more than one slot size.
3. Series designations such as 10, 15, 20, 25, 30, 40, 45 etc. refer to overall outside dimensions of the profile and/or center-to-center dimensions of two T-slots.
4. The critical slot opening dimensions mentioned above are stated in millimeters. They include openings of 5, 6, 8, 10, 11 and 12 mm.



5. To determine compatibility the slot opening and profile series must be known. This will establish the compatibility code, which is listed for every part.



* Patent Pending

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Why Do We Use 6105-T5 Aluminum Alloy?

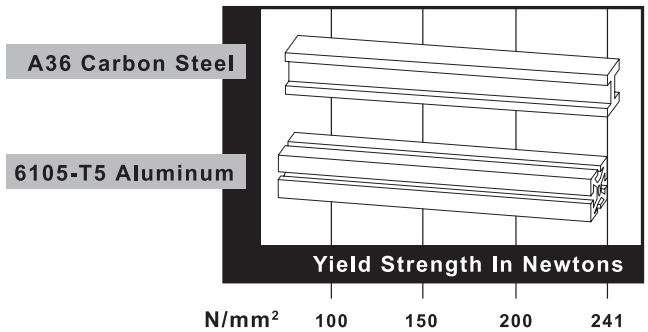
Aluminum Profile Alloys: Number and Characteristics	Tensile Strength - ksi*			
	Ultimate		Yield	
	minimum	maximum	minimum	maximum
6105-T5 (80/20's Alloy)	38.00	••	35.00	••
6063-T6	30.00	••	25.00	••

*Figures based on material thickness of 0.125 to 1.00"
From The Aluminum Extrusion Manual, published by The Aluminum Association and the Aluminum Extruders Council.

All of 80/20's T-slotted profiles feature the 6105-T5 alloy. An aluminum extrusion alloy is a mixed metal that includes other elements such as copper, magnesium, iron, silicon or zinc. Certain properties such as strength, machinability and corrosion resistance are influenced by the choice of alloy and temper. **Alloy 6105 with a T5 temper, chosen by 80/20, has better machinability and strength than 6063-T6.**

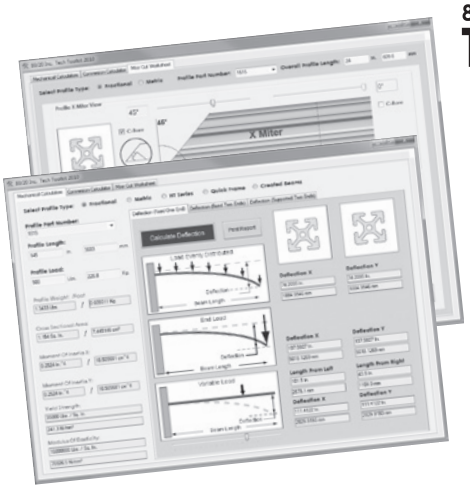
6105 ↑ Alloy T5 ↑ Temper

Material Strength Specifications



Minimum Yield Strength In Newtons

- 80/20®'s 6105-T5 alloy yield strength of 241 N/mm² compares to A36 carbon steel's yield strength of 248 N/mm².
- Volume for volume, aluminum weighs about 1/3 as much as iron, steel, copper, or brass.



80/20® Inc. Tech Toolkit™ v. 1.1

Download 80/20®'s FREE Tech Toolkit, the profile strength calculator.

www.8020.net/design-tools-1s.asp

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Simple Beam Deflection Calculations

Use the formulas listed below to find the worst case deflection for a beam:

Formula A

$$\frac{L^3 \cdot W}{48 \cdot E \cdot I} = D$$

This formula will yield worst case deflection for a beam supported at both ends with the load centered over the span.

Formula B

$$\frac{5L^3 \cdot W}{384 \cdot E \cdot I} = D$$

This formula will yield worst case deflection for a beam supported at both ends with the load evenly distributed over the span.

Formula C

$$\frac{L^3 \cdot W}{3 \cdot E \cdot I} = D$$

This formula will yield worst case deflection for a beam fastened at one end and cantilevered horizontally with the load applied at the end of the beam.

Example Using Formula A:

Using the 40-4040 T-slotted profile, a length of 762mm, and an applied force of 222.4 Newton, you should find the approximate beam deflection to be .21mm.

Formula Reference:

L = Length in Millimeters
W = Load in Newtons
E = Modulus of Elasticity (70,326.5 N/mm^2)
D = Deflection in Millimeters
I = Moment of Inertia (see material specifications on pages 646-649)

Metric Profile Standards

- Yield strength 241.1 N/mm^2 (35,000 p.s.i.) min / tensile strength 262.0 N/mm^2 (38,000 p.s.i.) minimum
- Elongation A5 minimum 10% / Elongation A10 minimum 8%
- Elasticity E approximately 70,326.5 N/mm^2
- Brinell hardness approximately 75 HB
- Extrusion conforming to DIN 17 615 specifications
- Twist per 304mm (1 foot) of length not to exceed .25 degree and total twist over 6.1m (20 feet) of length not to exceed 1.5 degrees
- Flatness 0.32mm (.004 in.) per 25.4mm (1 in.) of width
- Straightness 0.32mm (0.0125 in.) per 304mm (1 foot) of length, not to exceed 3mm (.118 in.) over 6.1m (20 feet) of length
- Unless otherwise specified, all profiles will have etch and clear (MIL-A-8625F) anodizing with depth of 0.010mm (.0004 in.) and surface hardness of approximately 250 HV (anodized profiles should not be welded because of toxic fumes)

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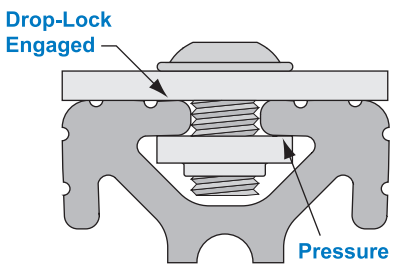
Metric/U.S. Customary Unit Equivalents

Linear				
inches	x 25.40	= millimeter (mm)	x 0.03937	= inches
feet	x 0.3048	= meters (m)	x 3.281	= feet
yards	x 0.9144	= meters (m)	x 1.0936	= yards
miles	x 1.6093	= kilometers (km)	x 0.6214	= miles
inches	x 2.540	= centimeters (cm)	x 0.3937	= inches
microinches	x 0.0254	= micrometers (um)	x 39.37	= microinches
Area				
$inches^2$	x 645.16	= $millimeters^2$ (mm^2)	x 0.00155	= $inches^2$
$inches^2$	x 6.452	= $centimeters^2$ (cm^2)	x 0.155	= $inches^2$
$feet^2$	x 0.0929	= $meters^2$ (m^2)	x 10.764	= $feet^2$
$yards^2$	x 0.8361	= $meters^2$ (m^2)	x 1.196	= $yards^2$
acres	x 0.4047	= hectares (10^4 m^2) or (ha)	x 2.471	= acres
$miles^2$	x 2.590	= $kilometers^2$ (km^2)	x 0.3861	= $miles^2$
Mass				
ounces (av)	x 28.35	= grams (g)	x 0.03527	= ounces (av)
pounds (av)	x 0.4536	= kilograms (kg)	x 2.2046	= pounds (av)
tons (2000 lb)	x 907.18	= kilograms (kg)	x 0.001102	= tons (2000 lb)
tons (2000 lb)	x 0.90718	= metric tons (t)	x 1.1023	= tons (2000 lb)
pounds/foot	x .671969	= kilograms/meter	x 1.4888	= pounds/foot
Force				
ounces - f	x 0.278	= newtons (N)	x 3.597	= ounces - f
pounds - f	x 4.448	= newtons (N)	x 0.2248	= pounds - f
kilograms - f	x 9.807	= newtons (N)	x 0.10197	= kilograms - f

Torque Specifications

- **Listed below is the amount of torque in Nm. required to activate the 2º drop-lock feature for T-slotted profiles**
- **Nut and bolt combination is pre-loaded when tightened to the minimum torque rating**
- **When properly tightened, fasteners will not loosen even under heavy vibration**



Part Number	Fastener Description	Tested Profile	Minimum Torque Newton Meters	Maximum Torque Newton Meters
75-3422	M8 x 16mm BHSCS & Economy T-Nut	40-4040	13	20
75-3500	M8 x 20mm Economy T-Slot Stud, Washer & Hex Nut	40-4040	40	54
40.3897	40 Series Anchor Fastener Assembly	40-4040-Lite	13	37
40.3891	40 Series End Fastener Assembly	40-4040-Lite	13	29
75-3404	M6 x 10mm BHSCS & Economy T-Nut	25-2525	5	8
25-3896	25 Series Anchor Fastener Assembly	25-2525	4	23
25-3895	25 Series End Fastener Assembly	25-2525	5	23

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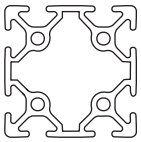
25 Series Profile Material Specifications

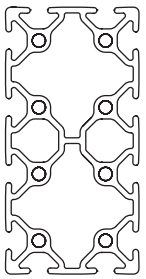
25-2525
2.7663 cm²

25-2527
2.4298 cm²

25-5013
3.5452 cm²

25-2550
4.8752 cm²

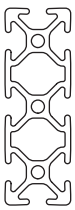

25-5050
7.3397 cm²


25-5010
13.3479 cm²

25-2501
3.2134 cm²

25-2502
3.0529 cm²

25-2514
2.0170 cm²


25-2576
6.8500 cm²

25-2503
2.8925 cm²

25-2504
3.0529 cm²

Compatibility Code*: 6-25

Part No.	25-2525	25-2501	25-2502	25-2503	25-2504	25-2527
Material	6105-T5 Aluminum					
Finish	Clear Anodize #204-R1					
Weight Per Meter	.7443 kg/m	.8646 kg/m	.8214 kg/m	.7783 kg/m	.8214 kg/m	.6538 kg/m
Stock Length **	4 m or 6 m	4 m or 6 m	4 m or 6 m	4 m or 6 m	4 m or 6 m	4 m or 6 m
Moment of Inertia	IX=1.7726 cm^4 IY=1.7726 cm^4	IX=1.9874 cm^4 IY=2.1893 cm^4	IX=1.9781 cm^4 IY=1.9781 cm^4	IX=1.7670 cm^4 IY=1.9689 cm^4	IX=1.7762 cm^4 IY=2.2731 cm^4	IX=1.4579 cm^4 IY=1.4579 cm^4
Estimated Area	2.7663 cm^2	3.2134 cm^2	3.0529 cm^2	2.8925 cm^2	3.0529 cm^2	2.4298 cm^2
Modulus of Elasticity	70,326.5 N/mm^2					

Part No.	25-2514	25-5013	25-2550	25-2576	25-5050	25-5010
Material	6105-T5 Aluminum					
Finish	Clear Anodize #204-R1					
Weight Per Meter	.5427 kg/m	.9539 kg/m	1.3052 kg/m	1.8431 kg/m	1.9748 kg/m	3.5914 kg/m
Stock Length **	4 m	4 m	4 m or 6 m	4 m or 6 m	4 m or 6 m	4 m or 6 m
Moment of Inertia	IX=.3030 cm^4 IY=1.3004 cm^4	IX=8.8453 cm^4 IY=.5897 cm^4	IX=12.1715 cm^4 IY=3.1967 cm^4	IX=37.2852 cm^4 IY=4.5921 cm^4	IX=21.1231 cm^4 IY=21.1231 cm^4	IX=132.0109 cm^4 IY=39.1137 cm^4
Estimated Area	2.0170 cm^2	3.5452 cm^2	4.8752 cm^2	6.8500 cm^2	7.3397 cm^2	13.3479 cm^2
Modulus of Elasticity	70,326.5 N/mm^2					

* See Compatibility Code information on page 642.

** For profile lengths other than stock length refer to page 1029 for profile cut-to-length services.

Legend for Icons

This part can use double economy T-nuts.
See page 757

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40 Series Profile Material Specifications

40-4040-Lite
6.6207 cm²

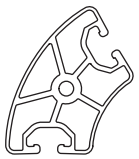
40-4040
8.7804 cm²

40-4030-Lite
5.7820 cm²

40-4045-Lite
5.5658 cm²

40-4093
4.7489 cm²

40-4094
6.3219 cm²


40-4096
7.7777 cm²

40-4040-UL
6.0349 cm²

40-4001
5.9267 cm²

40-4002
6.1128 cm²

40-4003
6.3021 cm²

40-4004
5.9743 cm²

40-4020
4.5746 cm²

Compatibility Code*: 8-40

Part No.	40-4040-UL	40-4040-Lite	40-4040	40-4020	40-4001	40-4002
Material	6105-T5 Aluminum					
Finish	Clear Anodize #204-R1					
Weight Per Meter	1.5890 kg/m	1.7814 kg/m	2.3624 kg/m	1.2308 kg/m	1.5946 kg/m	1.6447 kg/m
Stock Length **	4 m or 6 m	4 m or 6 m	4 m or 6 m	4 m	4 m or 6 m	4 m or 6 m
Moment of Inertia	IX=8.7060 cm^4 IY=8.7060 cm^4	IX=9.3984 cm^4 IY=9.3984 cm^4	IX=13.7871 cm^4 IY=13.7871 cm^4	IX=1.8260 cm^4 IY=6.6587 cm^4	IX=8.5389 cm^4 IY=8.2599 cm^4	IX=8.6303 cm^4 IY=8.6303 cm^4
Estimated Area	6.0349 cm^2	6.6207 cm^2	8.7804 cm^2	4.5746 cm^2	5.9267 cm^2	6.1128 cm^2
Modulus of Elasticity	70,326.5 N/mm^2					

Part No.	40-4003	40-4004	40-4030-Lite	40-4045-Lite	40-4093	40-4094	40-4096
Material	6105-T5 Aluminum						
Finish	Clear Anodize #204-R1						
Weight Per Meter	1.6956 kg/m	1.6074 kg/m	1.5557 kg/m	1.4975 kg/m	1.2727 kg/m	1.6943 kg/m	2.0844 kg/m
Stock Length **	4 m or 6 m	4 m or 6 m	4 m	4 m or 6 m	4 m	4 m	4 m
Moment of Inertia	IX=9.0094 cm^4 IY=8.7284 cm^4	IX=8.6050 cm^4 IY=8.0430 cm^4	IX=7.5559 cm^4 IY=7.5559 cm^4	IX=6.9992 cm^4 IY=7.0047 cm^4	n/a	n/a	n/a
Estimated Area	6.3021 cm^2	5.9743 cm^2	5.7820 cm^2	5.5658 cm^2	4.7489 cm^2	6.3219 cm^2	7.7777 cm^2
Modulus of Elasticity	70,326.5 N/mm^2						

* See Compatibility Code information on page 642.

** For profile lengths other than stock length refer to page 1029 for profile cut-to-length services.

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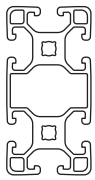
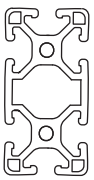
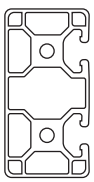
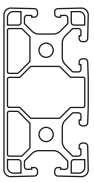
40 Series Profile Material Specifications - continued

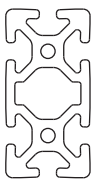

40-4080-UL
10.3629 cm²

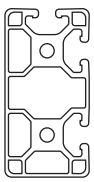

40-4080-Lite
12.2178 cm²

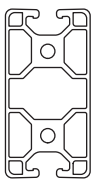

40-4082-Lite
10.6928 cm²

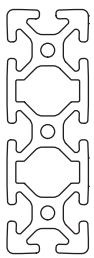

40-4084-Lite
11.0053 cm²

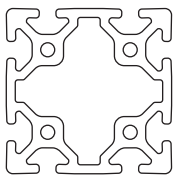
40-8020
8.5335 cm²

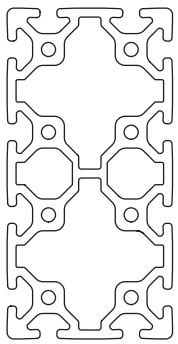

40-4080
15.4345 cm²


40-4083-Lite
10.8608 cm²


40-4085-Lite
10.6264 cm²


40-4012
22.1775 cm²


40-8080
23.8908 cm²


40-8016
44.0033 cm²

Compatibility Code*: 8-40

Part No.	40-8020	40-4080-UL	40-4080-Lite	40-4080	40-4082-Lite	40-4083-Lite
Material	6105-T5 Aluminum					
Finish	Clear Anodize #204-R1					
Weight Per Meter	2.2960 kg/m	2.707 kg/m	3.2873 kg/m	4.1528 kg/m	2.8657 kg/m	2.9107 kg/m
Stock Length **	4m	4m or 6m	4m or 6m	4m or 6m	4m	4m
Moment of Inertia	IX=49.6610 cm^4 IY=3.7286 cm^4	IX=106.9762 cm^4 IY=15.4755 cm^4	IX=71.8927 cm^4 IY=18.7791 cm^4	IX=97.6618 cm^4 IY=25.2917 cm^4	IX=66.4788 cm^4 IY=16.3044 cm^4	IX=68.1908 cm^4 IY=16.4685 cm^4
Estimated Area	8.5335 cm^2	10.3629 cm^2	12.2178 cm^2	15.4345 cm^2	10.6928 cm^2	10.8608 cm^2
Modulus of Elasticity	70,326.5 N/mm^2					

Part No.	40-4084-lite	40-4085-Lite	40-4012	40-8080	40-8016
Material	6105-T5 Aluminum				
Finish	Clear Anodize #204-R1				
Weight Per Meter	2.9494 kg/m	2.8479 kg/m	5.9671 kg/m	6.4280 kg/m	11.8395 kg/m
Stock Length **	4m	4m	4m or 6m	4m or 6m	4m
Moment of Inertia	IX=69.7266 cm^4 IY=16.6107 cm^4	IX=67.8370 cm^4 IY=15.9405 cm^4	IX=306.3198 cm^4 IY=36.8009 cm^4	IX=171.6341 cm^4 IY=171.6341 cm^4	IX=1111.9793 cm^4 IY=322.7985 cm^4
Estimated Area	11.0053 cm^2	10.6264 cm^2	22.1775 cm^2	23.8908 cm^2	44.0033 cm^2
Modulus of Elasticity	70,326.5 N/mm^2				

* See Compatibility Code information on page 642.

** For profile lengths other than stock length refer to page 1029 for profile cut-to-length services.

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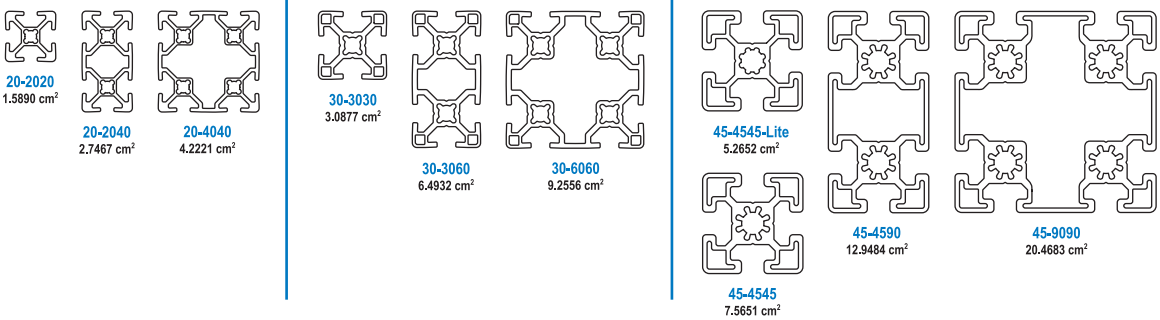
20, 30 & 45 Series Profile Material Specifications



Compatibility Code*: 5-20 | 5-20 | 5-20 | 8-30 | 8-30

Part Number	20-2020	20-2040	20-4040	30-3030	30-3060
Material	6105-T5 Aluminum				
Finish	Clear Anodize #204-R1				
Weight Per Meter	.4732 kg/m	0.7649 kg/m	1.1727 kg/m	.9376 kg/m	1.5060 kg/m
Stock Length **	4m or 6m	4m or 6m	4m or 6m	4m or 6m	4m or 6m
Moment of Inertia	IX=.6826 cm^4 IY=.6826 cm^4	IX=4.5357 cm^4 IY=1.2133 cm^4	IX=7.8220 cm^4 IY=7.8220 cm^4	IX=2.7222 cm^4 IY=2.7222 cm^4	IX=63.2514 cm^4 IY=24.4817 cm^4
Estimated Area	1.5890 cm^2	2.7467 cm^2	4.2221 cm^2	3.0877 cm^2	6.4932 cm^2
Modulus of Elasticity	70,326.5 N/mm^2				

Compatibility Code*: 8-30 | 10-45 | 10-45 | 10-45 | 10-45

Part No.	30-6060	45-4545-Lite	45-4545	45-4590	45-9090
Material	6105-T5 Aluminum				
Finish	Clear Anodize #204-R1				
Weight Per Meter	2.4123 kg/m	1.5716 kg/m	2.3038 kg/m	3.5627 kg/m	5.6580 kg/m
Stock Length **	4m or 6m	4m or 6m	4m or 6m	4m or 6m	4m or 6m
Moment of Inertia	IX=36.3307 cm^4 IY=36.3307 cm^4	IX=9.2029 cm^4 IY=9.2029 cm^4	IX=13.9604 cm^4 IY=13.9604 cm^4	IX=104.2073 cm^4 IY=25.2638 cm^4	IX=178.4969 cm^4 IY=179.4969 cm^4
Estimated Area	9.2556 cm^2	5.2652 cm^2	7.5651 cm^2	12.9484 cm^2	20.4683 cm^2
Modulus of Elasticity	70,326.5 N/mm^2				

* See Compatibility Code information on page 642.

** For profile lengths other than stock length refer to page 1029 for profile cut-to-length services.

80/20® Inc.
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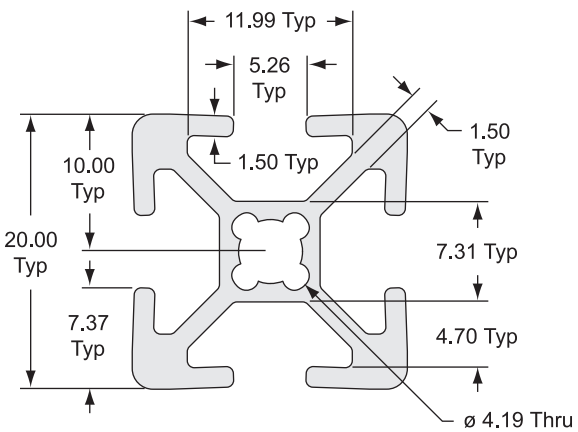
THE STANDARD

20-2020 T-Slotted Profile - 20 Series

- Compatible with all 20 Series fasteners
- Four open T-slots for mounting accessories
- 20-2020 is ideal for machine guards, sound enclosures, workbenches, displays and panel mount racks
- Available in two stock lengths
- Compatibility Code*: 5-20

VIBRATION** PROOF™

Part No.	20-2020
Compatibility Code	5-20
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	.4732 kg/m
Stock Length (+/- .3mm)	4m - Part No. 20-2020-4M 6m - Part No. 20-2020-6M
Moment Of Inertia	IX=.6826 cm^4 IY=.6826 cm^4
Estimated Area	1.5890 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	20-7005 (see page 1029)
4.6mm Access Hole	20-7069 (see page 1031)
Tap Profile End	20-7063 (see page 1030)

Machining Service	Service Number
Miter Cut - One End	20-7065 (see page 1035)
Miter Cut & Counterbore	20-7080 (see page 1038)
Anchor Counterbore	20-7082 (see page 1033)

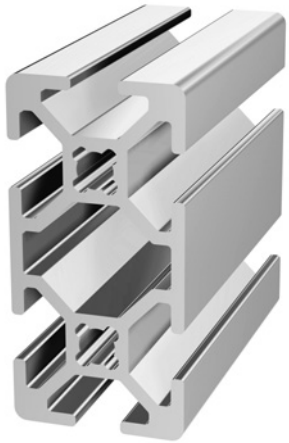
* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

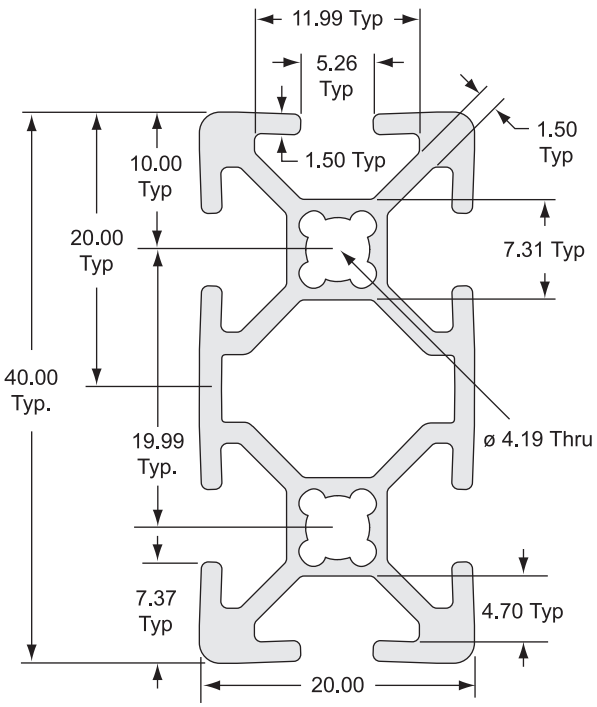
20-2040 T-Slotted Profile - 20 Series

- Compatible with all 20 Series fasteners
- Six open T-slots for mounting accessories
- 20-2040 is ideal for machine guards, sound enclosures, workbenches, displays and panel mount racks
- Available in two stock lengths
- Compatibility Code*: 5-20

VIBRATION PROOF™ **



Part No.	20-2040
Compatibility Code	5-20
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	.7649 kg/m
Stock Length (+/- .3mm)	4m - Part No. 20-2040-4M 6m - Part No. 20-2040-6M
Moment Of Inertia	IX=4.5357 cm^4 IY=1.2133 cm^4
Estimated Area	2.7467 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	20-7020 (see page 1029)
4.6mm Access Hole	20-7069 (see page 1031)
Tap Profile End	20-7047 (see page 1030)
Miter Cut - One End	20-7075 (see page 1035)
Miter Cut & Counterbore	20-7090 (see page 1038)
Anchor Counterbore	20-7092 (see page 1033)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

80/20® Inc.
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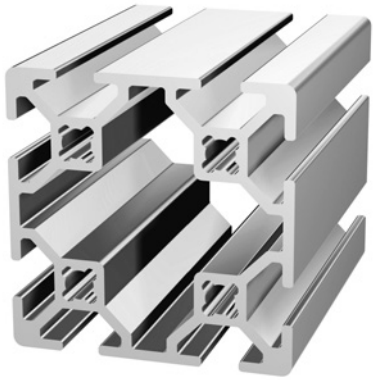
THE STANDARD

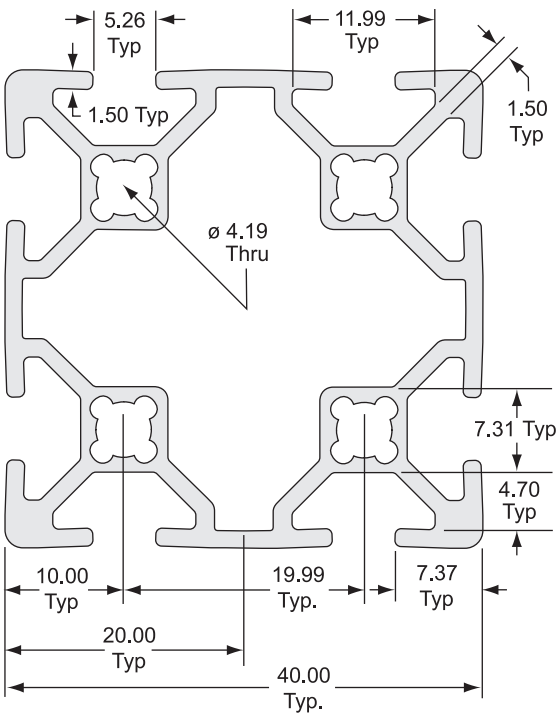
20-4040 T-Slotted Profile - 20 Series

- Compatible with all 20 Series fasteners
- Eight open T-slots for mounting accessories
- 20-4040 is ideal for machine guards, sound enclosures, workbenches, displays and panel mount racks
- Available in two stock lengths
- Compatibility Code*: 5-20

VIBRATION** PROOF™



Part No.	20-4040
Compatibility Code	5-20
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.1727 kg/m
Stock Length (+/- .3mm)	4m - Part No. 20-4040-4M 6m - Part No. 20-4040-6M
Moment Of Inertia	IX=7.8220 cm^4 IY=7.8220 cm^4
Estimated Area	4.2221 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	20-7030 (see page 1029)
4.6mm Access Hole	20-7069 (see page 1031)
Tap Profile End	20-7067 (see page 1030)
Miter Cut - One End	20-7085 (see page 1035)

* See Compatibility Code information on page 642.

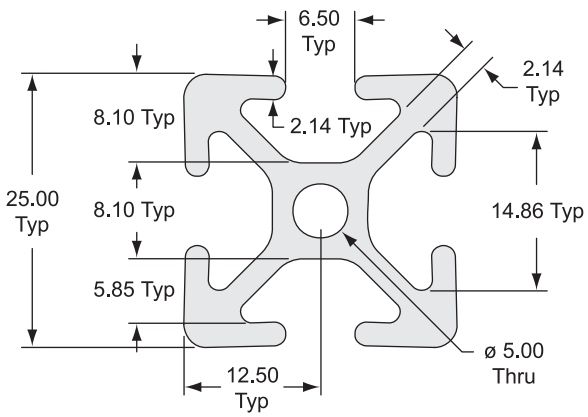
** See 2° Drop-Lock information on page 640.

25-2525 T-Slotted Profile - 25 Series

- Compatible with all 25 Series fasteners
- Four open T-slots for mounting accessories
- 25-2525 is ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code*: 6-25

VIBRATION PROOF™ **

Part No.	25-2525
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	.7443 kg/m
Stock Length (+/- 3mm)	4m - Part No. 25-2525-4M 6m - Part No. 25-2525-6M
Moment Of Inertia	IX=1.7726 cm^4 IY=1.7726 cm^4
Estimated Area	2.7663 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	25-7005 (see page 1029)
5.1mm Access Hole	25-7051 (see page 1031)
Anchor Counterbore	25-7042 (see page 1033)
Tap Profile End	25-7063 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

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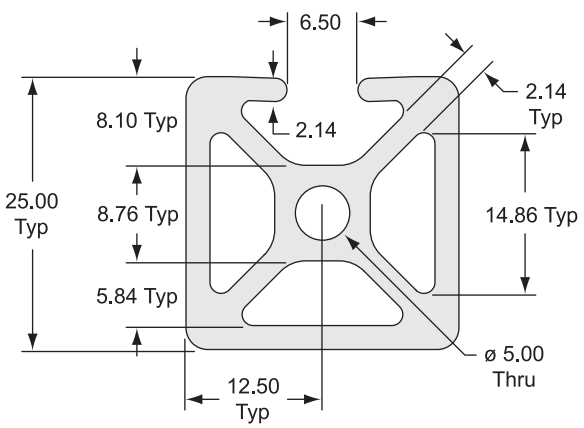
25-2501 T-Slotted Profile - 25 Series

- **Compatible with all 25 Series fasteners**
- **Three closed sides with one open side**
- **Clean, aesthetic look**
- **Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look**
- **Compatibility Code*: 6-25**

VIBRATION PROOF™ **

Part No.	25-2501
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	.8646 kg/m
Stock Length (+/- 3mm)	4m - Part No. 25-2501-4M 6m - Part No. 25-2501-6M
Moment Of Inertia	IX=1.9874 cm^4 IY=2.1893 cm^4
Estimated Area	3.2134 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	25-7005 (see page 1029)
5.1mm Access Hole	25-7051 (see page 1031)
Anchor Counterbore	25-7042 (see page 1033)
Tap Profile End	25-7063 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

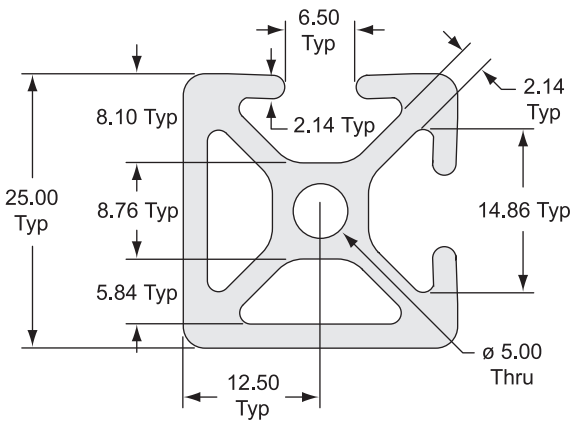
We specialize in FAST™ *same day shipments!*

25-2502 T-Slotted Profile - 25 Series

- Compatible with all 25 Series fasteners
- Two closed sides, two open sides, each adjacent to one another
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code*: 6-25

VIBRATION PROOF™ **

Part No.	25-2502
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	.8214 kg/m
Stock Length (+/- 3mm)	4m - Part No. 25-2502-4M 6m - Part No. 25-2502-6M
Moment Of Inertia	IX=1.9781 cm^4 IY=1.9781 cm^4
Estimated Area	3.0529 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	25-7005 (see page 1029)
5.1mm Access Hole	25-7051 (see page 1031)
Anchor Counterbore	25-7042 (see page 1033)
Tap Profile End	25-7063 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

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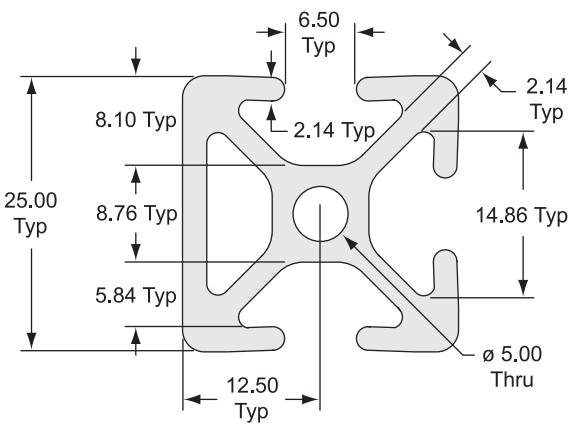
25-2503 T-Slotted Profile - 25 Series

- Compatible with all 25 Series fasteners
- One closed side with three open T-slots
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code*: 6-25

VIBRATION PROOF™ **

Part No.	25-2503
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	.7783 kg/m
Stock Length (+/- 3mm)	4m - Part No. 25-2503-4M 6m - Part No. 25-2503-6M
Moment Of Inertia	IX=1.7670 cm^4 IY=1.9689 cm^4
Estimated Area	2.8925 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	25-7005 (see page 1029)
5.1mm Access Hole	25-7051 (see page 1031)
Anchor Counterbore	25-7042 (see page 1033)
Tap Profile End	25-7063 (see page 1030)

* See Compatibility Code information on page 642.

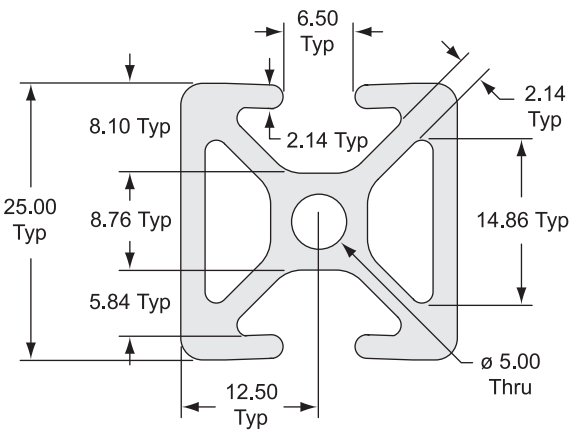
** See 2° Drop-Lock information on page 640.

25-2504 T-Slotted Profile - 25 Series

- Compatible with all 25 Series fasteners
- Two closed-sided faces opposite each other
- The 25-2504 profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code*: 6-25

VIBRATION PROOF™ **

Part No.	25-2504
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	.8214 kg/m
Stock Length (+/- 3mm)	4m - Part No. 25-2504-4M 6m - Part No. 25-2504-6M
Moment Of Inertia	IX=1.7762 cm^4 IY=2.2731 cm^4
Estimated Area	3.0529 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	25-7005 (see page 1029)
5.1mm Access Hole	25-7051 (see page 1031)
Anchor Counterbore	25-7042 (see page 1033)
Tap Profile End	25-7063 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

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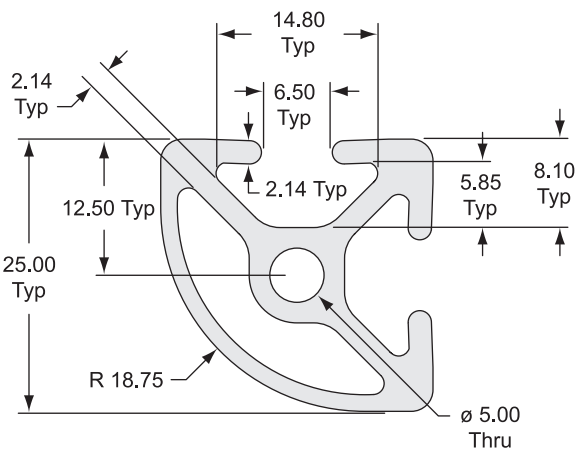
25-2527 T-Slotted Profile - 25 Series

- **Compatible with all 25 Series fasteners**
- **A quarter round profile with two open T-slots**
- **The 25-2527 profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface**
- **Use for light-duty workstations, displays, exhibits, inspection devices or office furniture**
- **Compatibility Code*: 6-25**

VIBRATION PROOF™**

Part No.	25-2527
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	.6538 kg/m
Stock Length (+/- 3mm)	4m - Part No. 25-2527-4M 6m - Part No. 25-2527-6M
Moment Of Inertia	IX=1.4579 cm^4 IY=1.4579 cm^4
Estimated Area	2.4298 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	25-7005 (see page 1029)
5.1mm Access Hole	25-7051 (see page 1031)
Anchor Counterbore	25-7042 (see page 1033)
Tap Profile End	25-7063 (see page 1030)

* See Compatibility Code information on page 642.

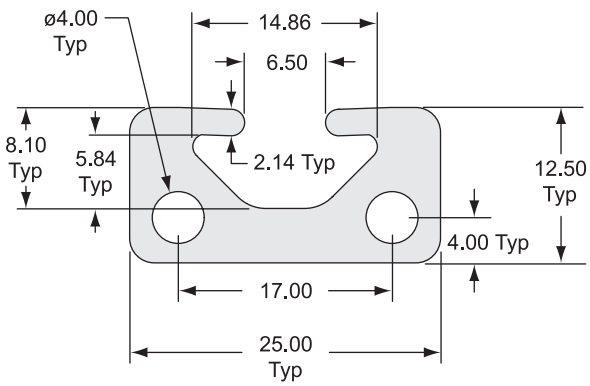
** See 2° Drop-Lock information on page 640.

25-2514 T-Slotted Profile - 25 Series

- Compatible with all 25 Series fasteners
- Thinner T-slotted profile that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile
- Compatibility Code*: 6-25

VIBRATION PROOF™ **

Part No.	25-2514
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	.5427 kg/m
Stock Length (+/- 3mm)	4m - Part No. 25-2514-4M
Moment Of Inertia	IX=.3030 cm^4 IY=1.3004 cm^4
Estimated Area	2.0170 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	25-7005 (see page 1029)
5.1mm Access Hole	25-7051 (see page 1031)
Anchor Counterbore	25-7042 (see page 1033)
Tap Profile End	25-7007 (see page 1030)
Drill & Counterbore	25-7256 (see page 1041)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

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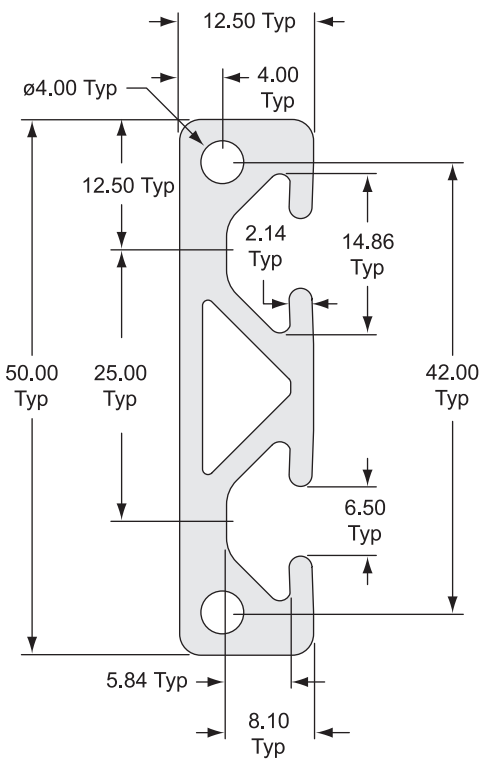
25-5013 T-Slotted Profile - 25 Series

- Compatible with all 25 Series fasteners
- Thinner T-slotted profile that is easily mounted to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile
- Compatibility Code*: 6-25

VIBRATION** PROOF™

Part No.	25-5013
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	.9539 kg/m
Stock Length (+/- 3mm)	4m - Part No. 25-5013-4M
Moment Of Inertia	IX=8.8453 cm^4 IY=.5897 cm^4
Estimated Area	3.5452 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	25-7000 (see page 1029)
5.1mm Access Hole	25-7051 (see page 1031)
Anchor Counterbore	25-7042 (see page 1033)
Tap Profile End	25-7009 (see page 1030)
Drill & Counterbore	25-7256 (see page 1041)

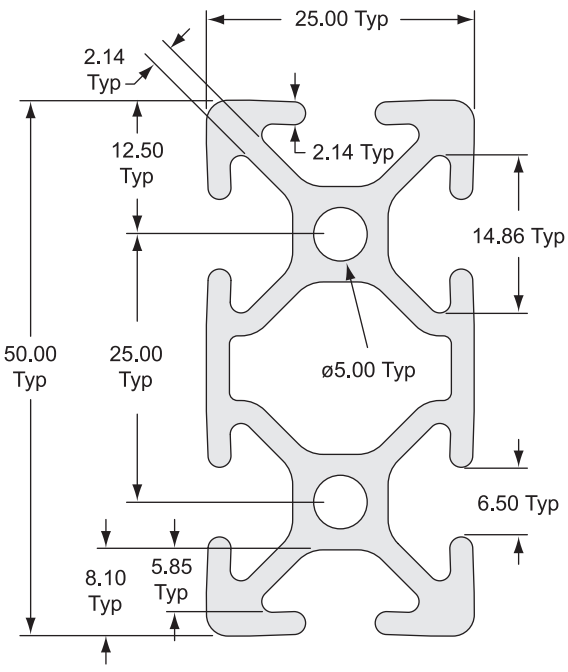
* See Compatibility Code information on page 642.
** See 2° Drop-Lock information on page 640.

25-2550 T-Slotted Profile - 25 Series

- Compatible with all 25 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code*: 6-25

VIBRATION PROOF™ **

Part No.	25-2550
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.3052 kg/m
Stock Length (+/- 3mm)	4m - Part No. 25-2550-4M 6m - Part No. 25-2550-6M
Moment Of Inertia	IX=12.1715 cm⁴ IY=3.1967 cm⁴
Estimated Area	4.8752 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	25-7000 (see page 1029)
5.1mm Access Hole	25-7051 (see page 1031)
Anchor Counterbore	25-7042 (see page 1033)
Tap Profile End	25-7047 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

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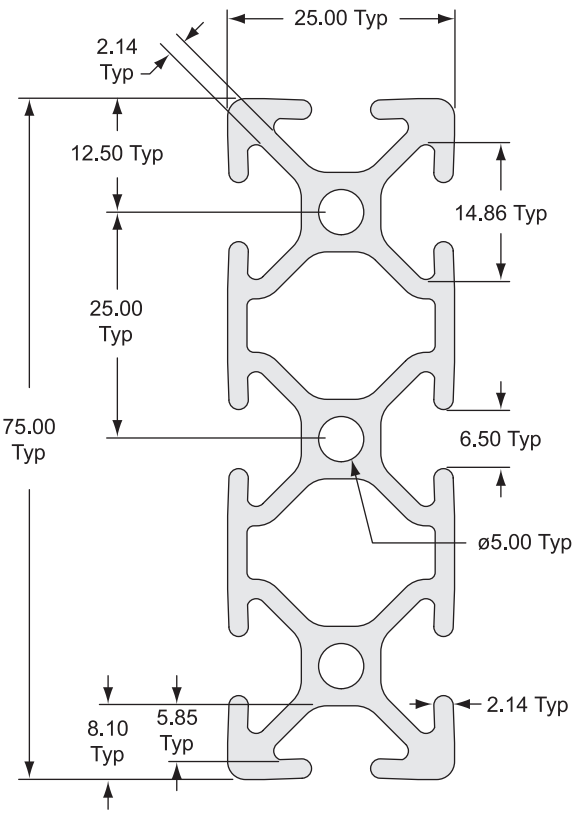
25-2576 T-Slotted Profile - 25 Series

- **Compatible with all 25 Series fasteners**
- **Eight open T-slots for mounting accessories**
- **Great for linear motion, machine frames, robotics and supports**
- **The cavities can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935**
- **Compatibility Code*: 6-25**

VIBRATION** PROOF™

Part No.	25-2576
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.8431 kg/m
Stock Length (+/- 3mm)	4m - Part No. 25-2576-4M 6m - Part No. 25-2576-6M
Moment Of Inertia	IX=37.2852 cm⁴ IY=4.5921 cm⁴
Estimated Area	6.8500 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	25-7003 (see page 1029)
5.1mm Access Hole	25-7051 (see page 1031)
Anchor Counterbore	25-7042 (see page 1033)
Tap Profile End	25-7037 (see page 1030)

* See Compatibility Code information on page 642.

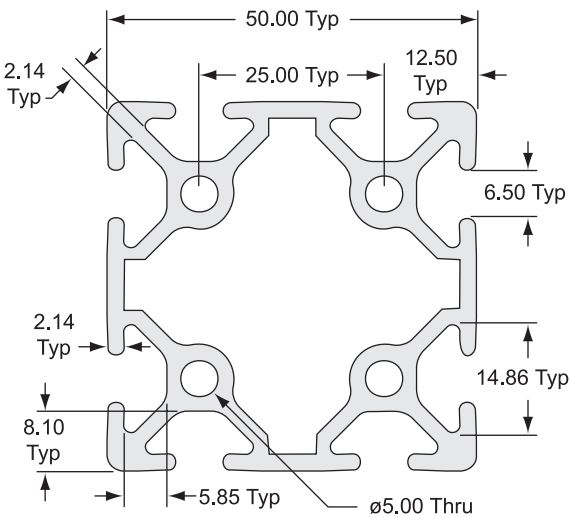
** See 2° Drop-Lock information on page 640.

25-5050 T-Slotted Profile - 25 Series

- Compatible with all 25 Series fasteners
- Eight open T-slots for mounting accessories
- The 25-5050 profile is ideal for applications where strength and open T-slots are required
- The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- Compatibility Code*: 6-25

VIBRATION PROOF™ **

Part No.	25-5050
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.9748 kg/m
Stock Length (+/- 3mm)	4m - Part No. 25-5050-4M 6m - Part No. 25-5050-6M
Moment Of Inertia	IX=21.1231 cm⁴ IY=21.1231 cm⁴
Estimated Area	7.3397 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	25-7012 (see page 1029)
5.1mm Access Hole	25-7051 (see page 1031)
Anchor Counterbore	25-7042 (see page 1033)
Tap Profile End	25-7067 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

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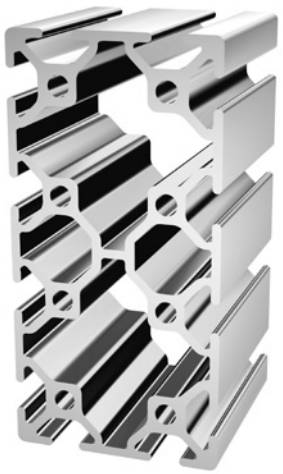
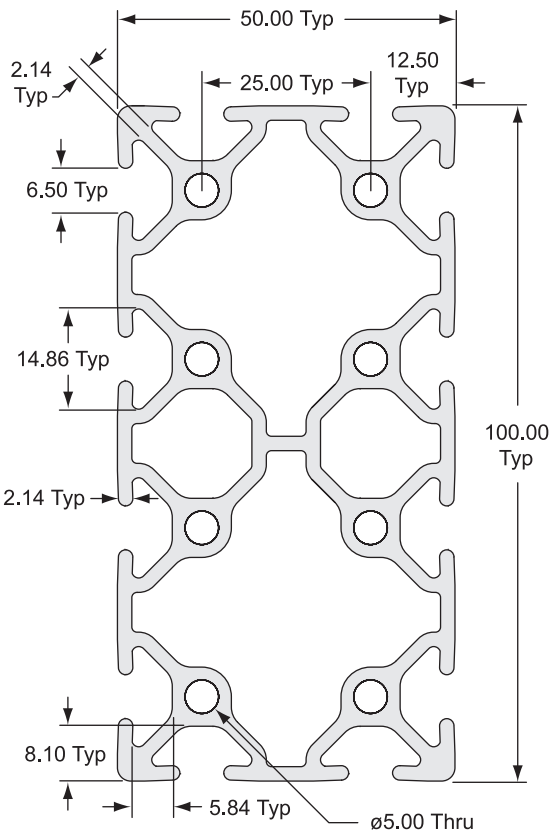
25-5010 T-Slotted Profile - 25 Series

- **Compatible with all 25 Series fasteners**
- **12 open T-slots for mounting accessories**
- **The 25-5010 profile is ideal for applications where strength and open T-slots are required**
- **The cavities can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935**
- **Compatibility Code*: 6-25**



VIBRATION PROOF™ **

Part No.	25-5010
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	3.5914 kg/m
Stock Length (+/- 3mm)	4m - Part No. 25-5010-4M 6m - Part No. 25-5010-6M
Moment Of Inertia	IX=132.0109 cm⁴ IY=39.1137 cm⁴
Estimated Area	13.3479 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	25-7013 (see page 1029)
5.1mm Access Hole	25-7051 (see page 1031)
Anchor Counterbore	25-7042 (see page 1033)
Tap Profile End	25-7039 (see page 1030)

* See Compatibility Code information on page 642.

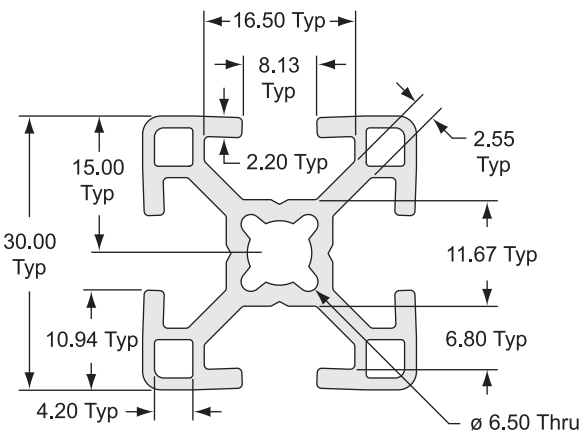
** See 2° Drop-Lock information on page 640.

30-3030 T-Slotted Profile - 30 Series

- Compatible with all 30 Series fasteners
- Four open T-slots for mounting accessories
- 30-3030 is a great choice when strength is needed in applications such as guards, enclosures, workstations and furniture
- Available in two stock lengths
- Compatibility Code*: 8-30

VIBRATION PROOF™ **

Part No.	30-3030
Compatibility Code	8-30
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	.9376 kg/m
Stock Length (+/- .3mm)	4m - Part No. 30-3030-4M 6m - Part No. 30-3030-6M
Moment Of Inertia	IX=2.7222 cm^4 IY=2.7222 cm^4
Estimated Area	3.0877 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	30-7010 (see page 1029)
7.1mm Access Hole	30-7246 (see page 1031)
Tap Profile End	30-7059 (see page 1030)
Bolt Connector	30-7034 (see page 1048)

Machining Service	Service Number
Miter Cut - One End	30-7065 (see page 1035)
Miter Cut & Counterbore	30-7080 (see page 1038)
Anchor Counterbore	30-7082 (see page 1033)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

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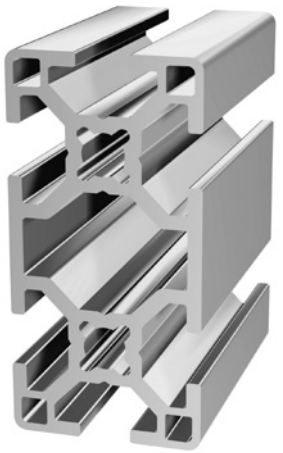
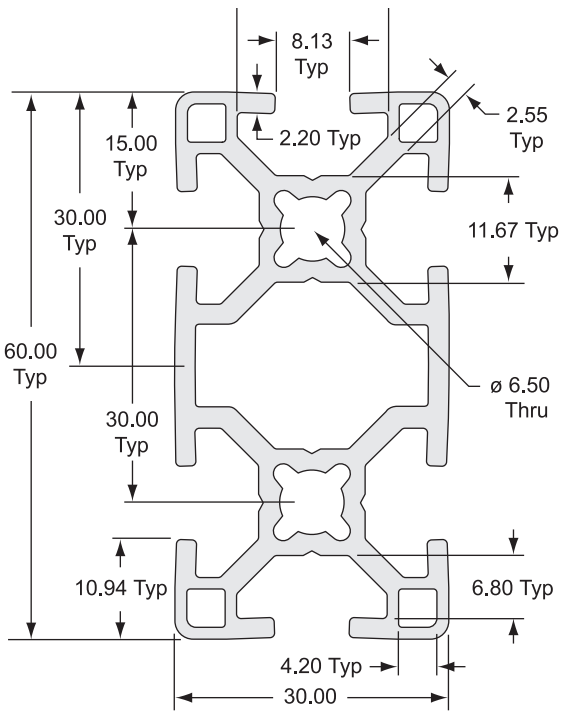
30-3060 T-Slotted Profile - 30 Series

- Compatible with all 30 Series fasteners
- Six open T-slots for mounting accessories
- 30-3060 is a great choice when strength is needed in applications such as guards, enclosures, workstations and furniture
- The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- Available in two stock lengths
- Compatibility Code*: 8-30



VIBRATION** PROOF™

Part No.	30-3060
Compatibility Code	8-30
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.5060 kg/m
Stock Length (+/- .3mm)	4m - Part No. 30-3060-4M 6m - Part No. 30-3060-6M
Moment Of Inertia	IX=19.5737 cm⁴ IY=5.3856 cm⁴
Estimated Area	6.4932 cm²



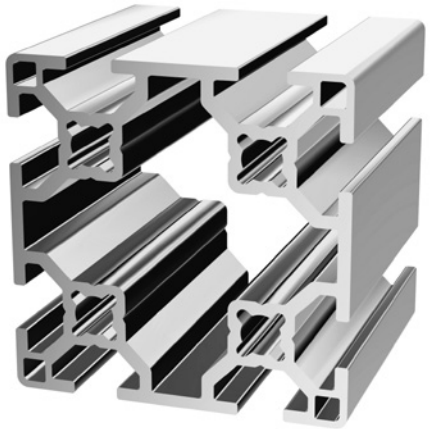
Quick Machining Reference

Machining Service	Service Number
Cut to Length	30-7020 (see page 1029)
7.1mm Access Hole	30-7246 (see page 1031)
Tap Profile End	30-7048 (see page 1030)
Miter Cut - One End	30-7075 (see page 1035)
Miter Cut & Counterbore	30-7090 (see page 1038)
Anchor Counterbore	30-7092 (see page 1033)

* See Compatibility Code information on page 642.
** See 2° Drop-Lock information on page 640.

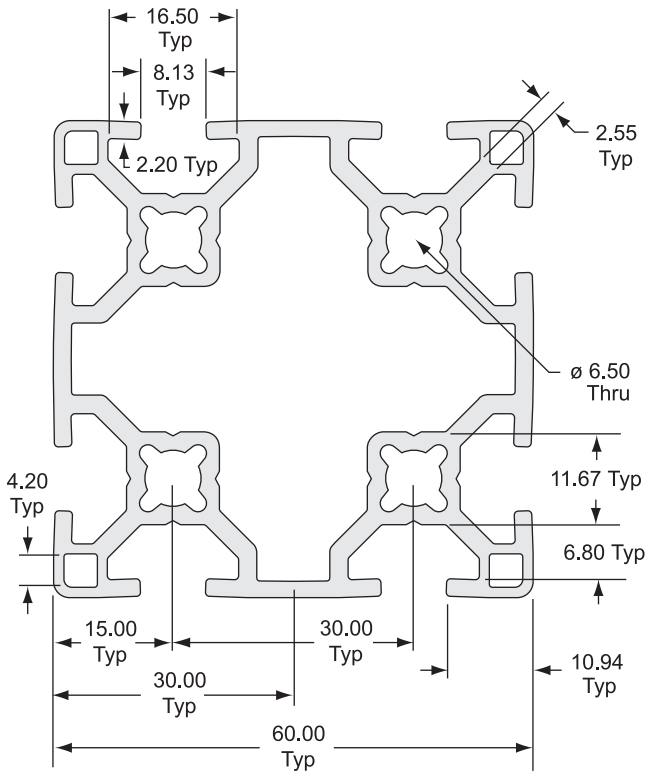
30-6060 T-Slotted Profile - 30 Series

- Compatible with all 30 Series fasteners
- Eight open T-slots for mounting accessories
- 30-3030 is a great choice when strength is needed in applications such as guards, enclosures, workstations and furniture
- The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- Available in two stock lengths
- Compatibility Code*: 8-30



VIBRATION PROOF™ **

Part No.	30-6060
Compatibility Code	8-30
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	2.4123 kg/m
Stock Length (+/- .3mm)	4m - Part No. 30-6060-4M 6m - Part No. 30-6060-6M
Moment Of Inertia	IX=36.3307 cm⁴ IY=36.3307 cm⁴
Estimated Area	9.2556 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	30-7030 (see page 1029)
Tap Profile End	30-7056 (see page 1030)
Miter Cut - One End	30-7085 (see page 1035)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

80/20® Inc.
The Industrial Erector Set®
THE STANDARD

NEW!

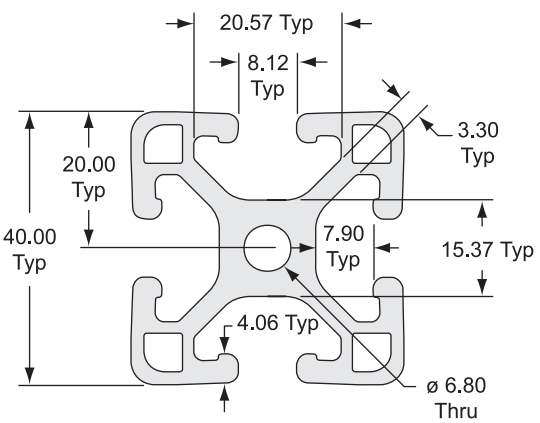
See our new 40-4040-UL profile on page 58 of the New Products section.

40-4040-Lite T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Four open T-slots for mounting accessories
- A great choice when strength is needed in a lightweight application such as guards, enclosures, workstations and furniture
- Compatibility Code*: 8-40

VIBRATION PROOF™**

Part No.	40-4040-Lite
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.7814 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4040-Lite-4M 6m - Part No. 40-4040-Lite-6M
Moment Of Inertia	IX=9.3984 cm^4 IY=9.3984 cm^4
Estimated Area	6.6207 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7010 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7059 (see page 1030)

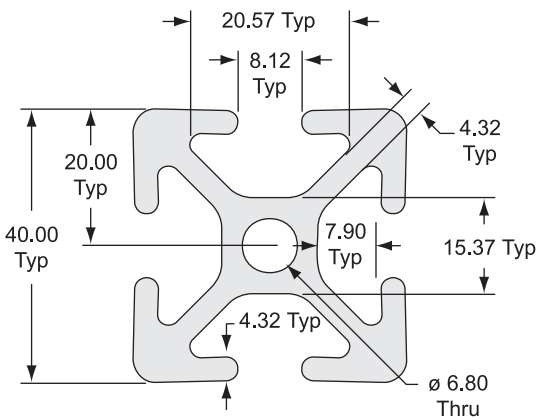
* See Compatibility Code information on page 642.
** See 2° Drop-Lock information on page 640.

40-4040 T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Four open T-slots for mounting accessories
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code*: 8-40

VIBRATION PROOF™ **

Part No.	40-4040
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	2.3624 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4040-4M 6m - Part No. 40-4040-6M
Moment Of Inertia	IX=13.7871 cm^4 IY=13.7871 cm^4
Estimated Area	8.7804 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7010 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7059 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

80/20® Inc.
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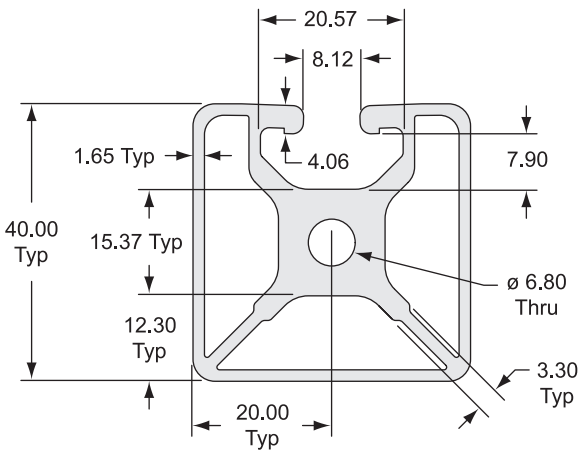
40-4001 T-Slotted Profile - 40 Series

- **Compatible with all 40 Series fasteners**
- **Three closed sides with one open T-slot**
- **Clean, aesthetic look**
- **Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look**
- **Compatibility Code*: 8-40**

VIBRATION PROOF™**

Part No.	40-4001
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.5946 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4001-4M 6m - Part No. 40-4001-6M
Moment Of Inertia	IX=8.5389 cm^4 IY=8.2599 cm^4
Estimated Area	5.9267 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7010 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7059 (see page 1030)

* See Compatibility Code information on page 642.

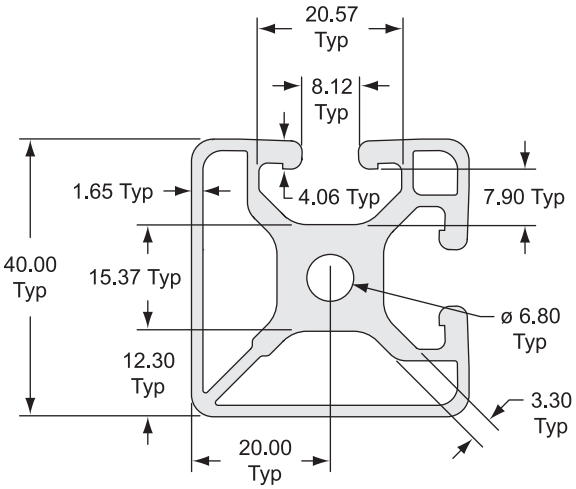
** See 2° Drop-Lock information on page 640.

40-4002 T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Two closed sides, two open sides, each adjacent to one another
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code*: 8-40

VIBRATION PROOF™ **

Part No.	40-4002
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.6447 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4002-4M 6m - Part No. 40-4002-6M
Moment Of Inertia	IX=8.6303 cm^4 IY=8.6303 cm^4
Estimated Area	6.1128 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7010 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7059 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

80/20® Inc.
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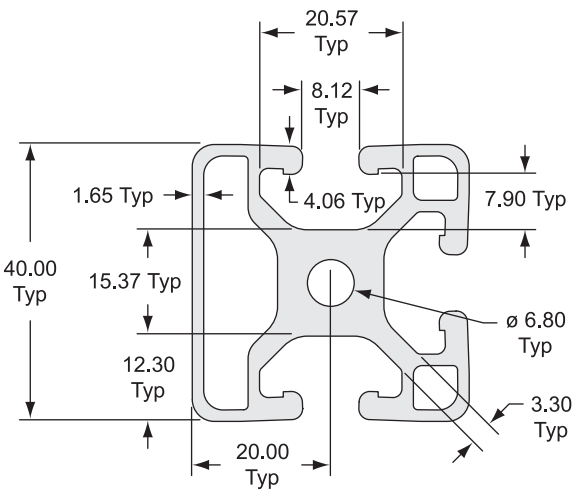
40-4003 T-Slotted Profile - 40 Series

- **Compatible with all 40 Series fasteners**
- **One closed side with three open T-slots**
- **Clean, aesthetic look**
- **Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look**
- **Compatibility Code*: 8-40**

VIBRATION** PROOF™

Part No.	40-4003
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.6956 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4003-4M 6m - Part No. 40-4003-6M
Moment Of Inertia	IX=9.0094 cm^4 IY=8.7824 cm^4
Estimated Area	6.3021 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7010 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7059 (see page 1030)

* See Compatibility Code information on page 642.

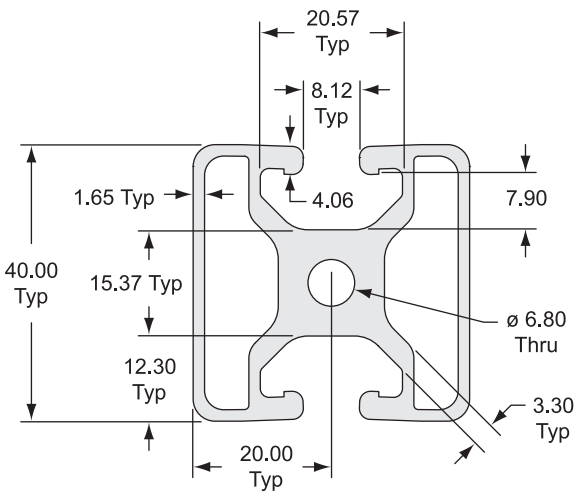
** See 2° Drop-Lock information on page 640.

40-4004 T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Two closed sided faces opposite each other
- The 40-4004 profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code*: 8-40

VIBRATION PROOF™ **

Part No.	40-4004
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.6074 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4004-4M 6m - Part No. 40-4004-6M
Moment Of Inertia	IX=8.6050 cm^4 IY=8.0430 cm^4
Estimated Area	5.9743 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7010 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7059 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

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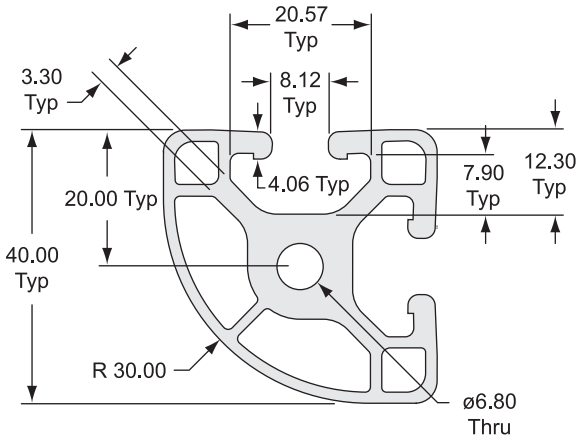
40-4030-Lite T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- A quarter round profile with two open T-slots
- Allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Use 40-4030-Lite for large workstations, displays, exhibits, inspection devices or office furniture
- Compatibility Code*: 8-40

VIBRATION** PROOF™

Part No.	40-4030-Lite
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.5557 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4030-Lite-4M
Moment Of Inertia	IX=7.5559 cm^4 IY=7.5559 cm^4
Estimated Area	5.7820 cm^2



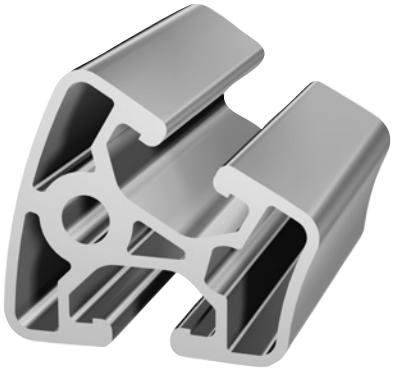
Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7010 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7059 (see page 1030)

* See Compatibility Code information on page 642.
** See 2° Drop-Lock information on page 640.

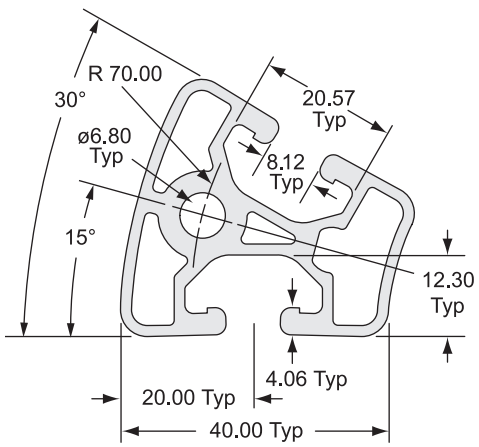
40-4093 T-Slotted Profile - 40 Series

- Two available T-slots
- Clean, aesthetic look
- Great for projects such as enclosures, kiosks or point of purchase displays
- Compatibility Code*: 8-40



VIBRATION** PROOF™

Part No.	40-4093
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.2727 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4093-4M
Moment Of Inertia	n/a
Estimated Area	4.7489 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7020 (see page 1029)
Tap Profile End	40-7059 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

80/20® Inc.
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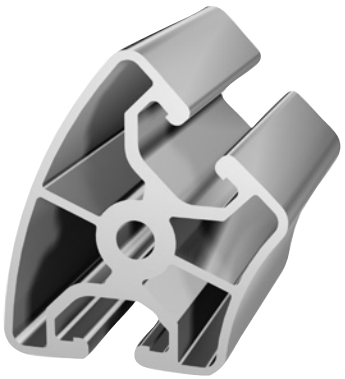
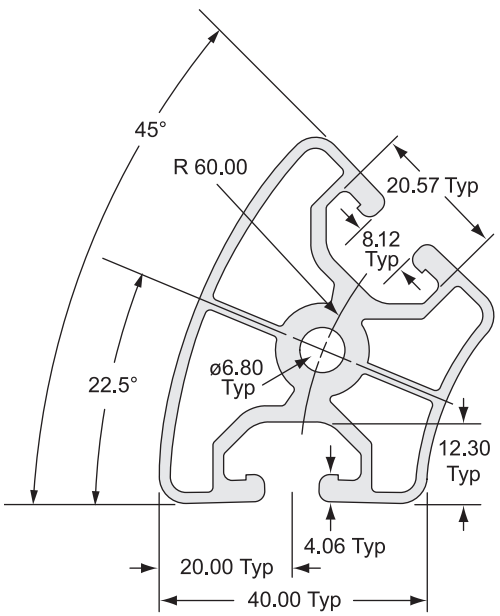
40-4094 T-Slotted Profile - 40 Series

- Two available T-slots
- Clean, aesthetic look
- Great for projects such as enclosures, kiosks or point of purchase displays
- Compatibility Code*: 8-40



VIBRATION** PROOF™

Part No.	40-4094
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.6943 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4094-4M
Moment Of Inertia	n/a
Estimated Area	6.3219 cm^2



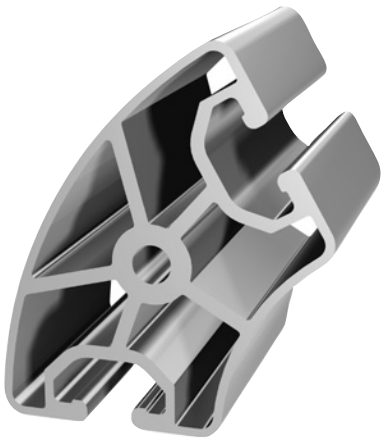
Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7020 (see page 1029)
Tap Profile End	40-7059 (see page 1030)

* See Compatibility Code information on page 642.
** See 2° Drop-Lock information on page 640.

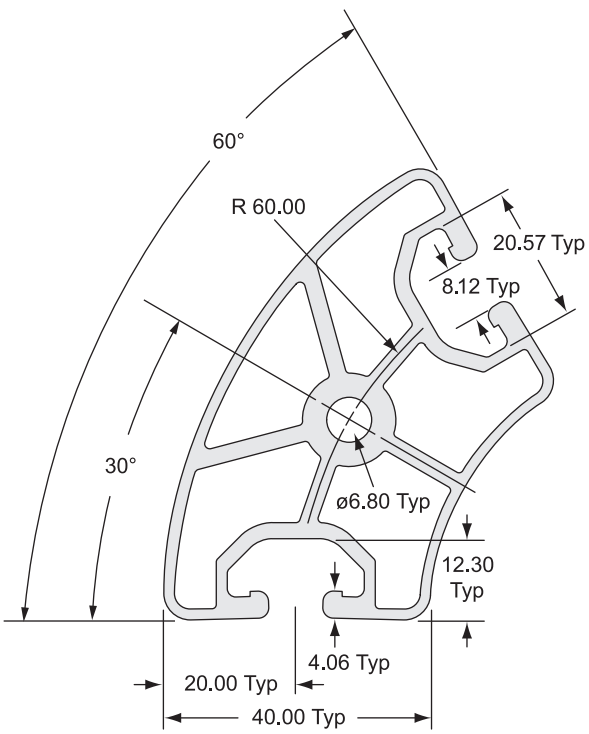
40-4096 T-Slotted Profile - 40 Series

- Two available T-slots
- Clean, aesthetic look
- Great for projects such as enclosures, kiosks or point of purchase displays
- Compatibility Code*: 8-40



VIBRATION** PROOF™

Part No.	40-4096
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	2.0844 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4096-4M
Moment Of Inertia	n/a
Estimated Area	7.7777 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7020 (see page 1029)
Tap Profile End	40-7059 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

80/20® Inc.
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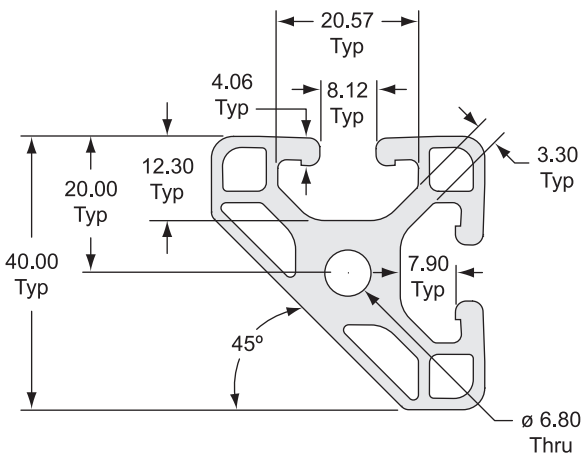
40-4045-Lite T-Slotted Profile - 40 Series

- **Compatible with all 40 Series fasteners**
- **45º angled back with two open T-slots**
- **Allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface**
- **Use for large workstations, displays, exhibits, inspection devices or office furniture**
- **Compatibility Code*: 8-40**

VIBRATION PROOF™**

Part No.	40-4045-Lite
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.4975 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4045-Lite-4M 6m - Part No. 40-4045-Lite-6M
Moment Of Inertia	IX=6.9992 cm^4 IY=7.0047 cm^4
Estimated Area	5.5658 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7010 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7059 (see page 1030)

* See Compatibility Code information on page 642.

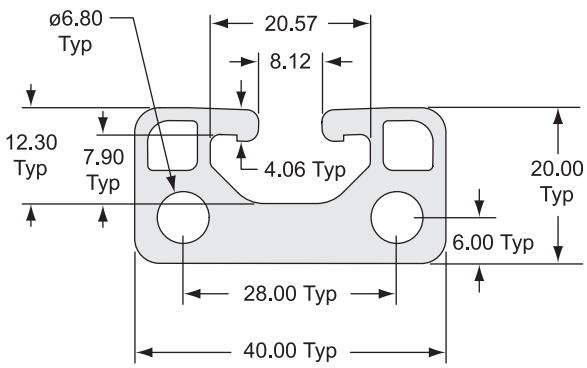
** See 2° Drop-Lock information on page 640.

40-4020 T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Thinner T-slotted profile that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components such as valves and sensors with this profile
- Compatibility Code*: 8-40

VIBRATION PROOF™ **

Part No.	40-4020
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.2308 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4020-4M
Moment Of Inertia	IX=1.8260 cm^4 IY=6.6587 cm^4
Estimated Area	4.5746 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7010 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7015 (see page 1030)
Drill & Counterbore	40-7257 (see page 1041)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

80/20® Inc.
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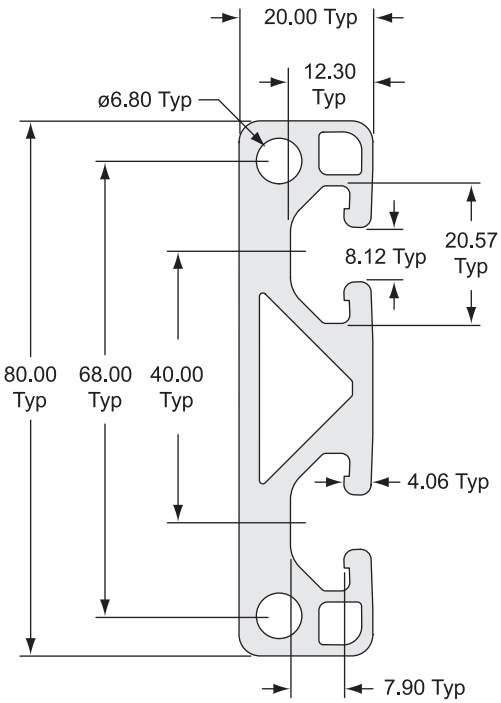
40-8020 T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Thinner T-slotted profile that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components such as valves and sensors with this profile
- Compatibility Code*: 8-40

VIBRATION** PROOF™

Part No.	40-8020
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	2.2960 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-8020-4M
Moment Of Inertia	IX=49.6610 cm^4 IY=3.7286 cm^4
Estimated Area	8.5335 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7020 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7017 (see page 1030)
Drill & Counterbore	40-7257 (see page 1041)

* See Compatibility Code information on page 642.
** See 2° Drop-Lock information on page 640.

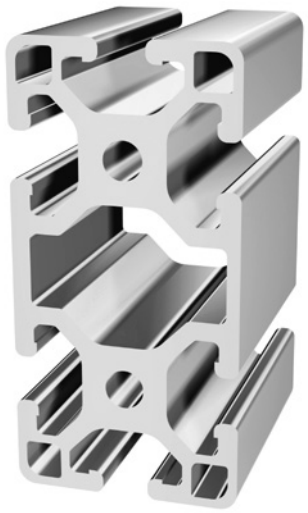
See our new 40-4080-UL profile on page 59 of the New Products section.

NEW!

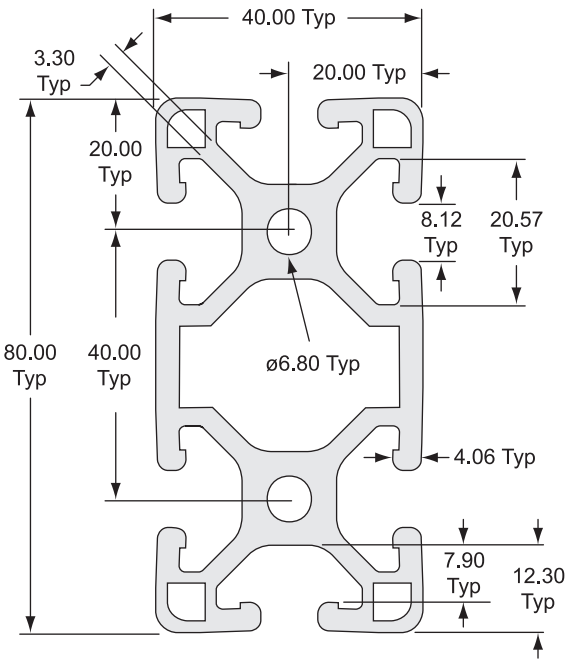
40-4080-Lite T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code*: 8-40

VIBRATION PROOF™ **



Part No.	40-4080-Lite
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	3.2873 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4080-Lite-4M 6m - Part No. 40-4080-Lite-6M
Moment Of Inertia	IX=71.8927 cm⁴ IY=18.7791 cm⁴
Estimated Area	12.2178 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7020 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7048 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

80/20® Inc.
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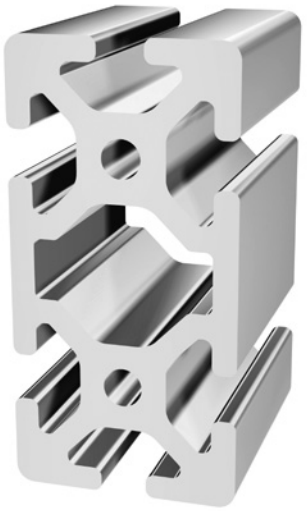
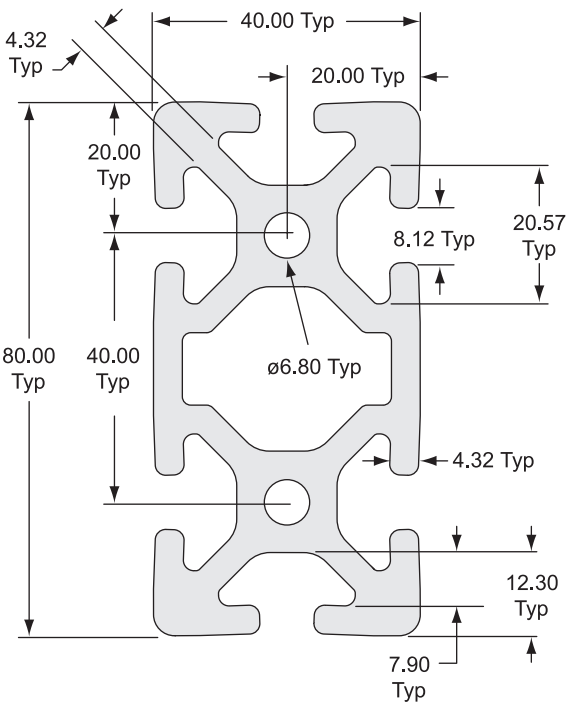
40-4080 T-Slotted Profile - 40 Series

- **Compatible with all 40 Series fasteners**
- **Six open T-slots for mounting accessories**
- **The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935**
- **Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks**
- **Compatibility Code*: 8-40**



VIBRATION PROOF™**

Part No.	40-4080
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	4.1528 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4080-4M 6m - Part No. 40-4080-6M
Moment Of Inertia	IX=97.6618 cm⁴ IY=25.2917 cm⁴
Estimated Area	15.4345 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7020 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7048 (see page 1030)

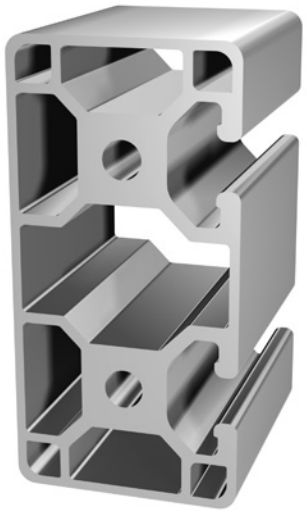
* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

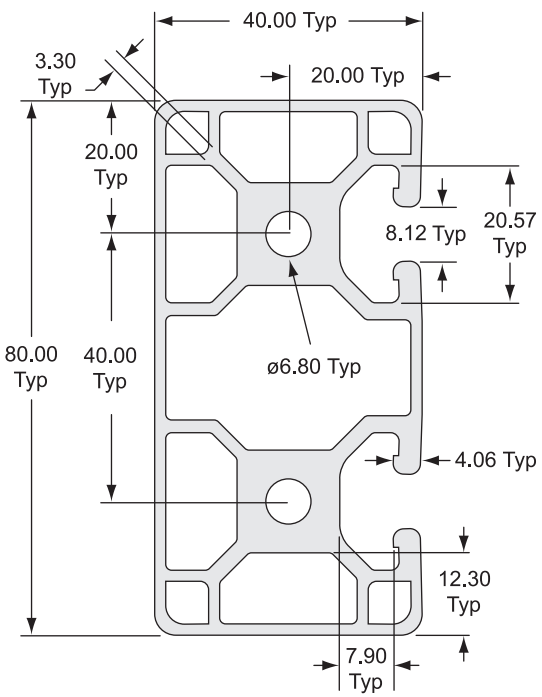
40-4082-Lite T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Two open T-slots for mounting accessories
- The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- Clean, aesthetic look
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code*: 8-40

VIBRATION PROOF™ **



Part No.	40-4082-Lite
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	2.8657 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4082-Lite-4M
Moment Of Inertia	IX=66.4788 cm⁴ IY=16.3044 cm⁴
Estimated Area	10.6928 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7020 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7048 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

80/20® Inc.
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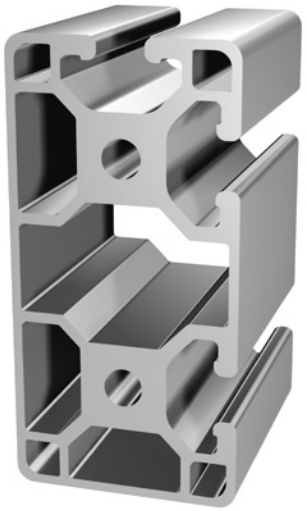
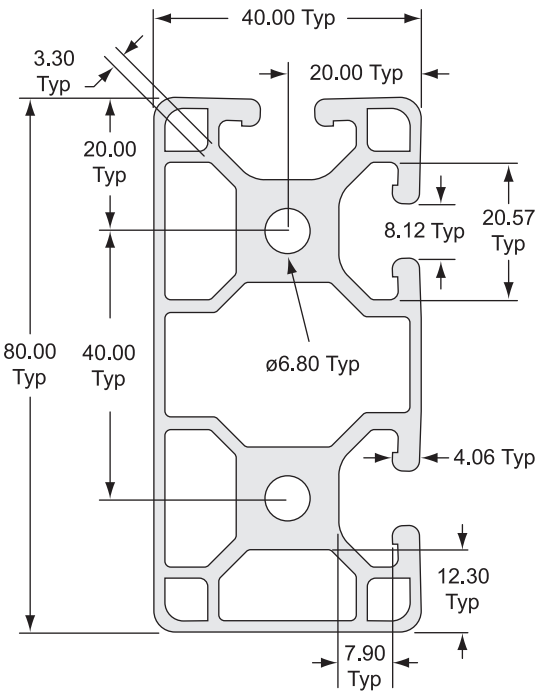
40-4083-Lite T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Three open T-slots for mounting accessories
- The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- Clean, aesthetic look
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code*: 8-40

VIBRATION** PROOF™



Part No.	40-4083-Lite
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	2.9107 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4083-Lite-4M
Moment Of Inertia	IX=68.1908 cm⁴ IY=16.4685 cm⁴
Estimated Area	10.8608 cm²



Quick Machining Reference

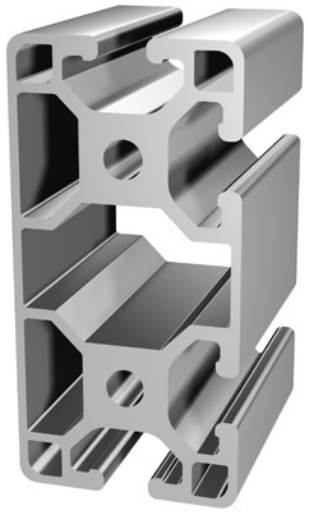
Machining Service	Service Number
Cut to Length	40-7020 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7048 (see page 1030)

* See Compatibility Code information on page 642.
** See 2° Drop-Lock information on page 640.

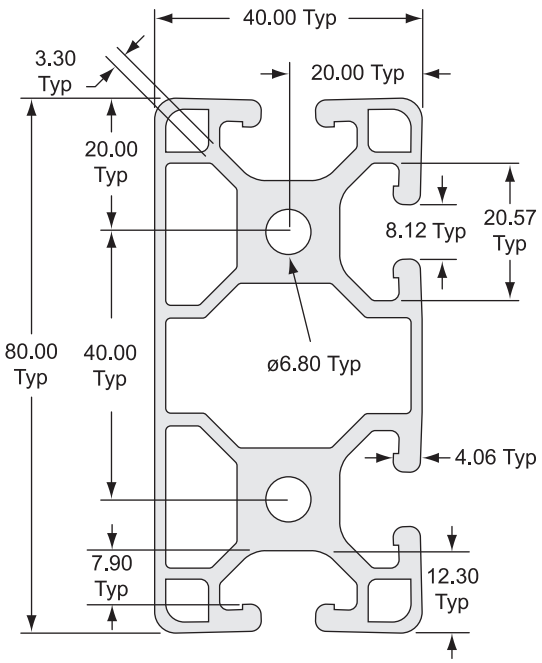
40-4084-Lite T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Four open T-slots for mounting accessories
- The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- Clean, aesthetic look
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code*: 8-40

VIBRATION PROOF™ **



Part No.	40-4084-Lite
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	2.9494 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4084-Lite-4M
Moment Of Inertia	IX=69.7266 cm⁴ IY=16.6107 cm⁴
Estimated Area	11.0053 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7020 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7048 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

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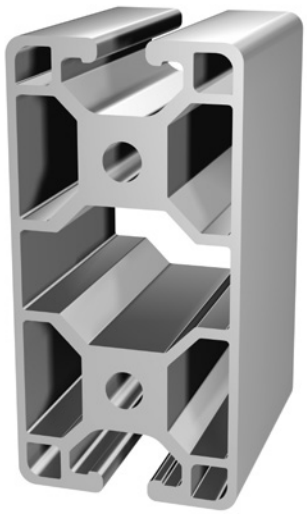
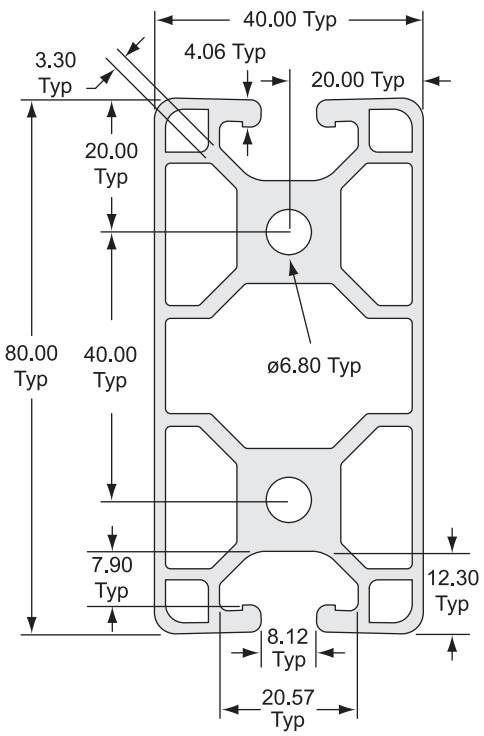
40-4085-Lite T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Two open T-slots for mounting accessories
- The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- Clean, aesthetic look
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code*: 8-40

VIBRATION** PROOF™



Part No.	40-4085-Lite
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	2.8479 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4085-Lite-4M
Moment Of Inertia	IX=67.8370 cm⁴ IY=15.9405 cm⁴
Estimated Area	10.6264 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7020 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7048 (see page 1030)

* See Compatibility Code information on page 642.

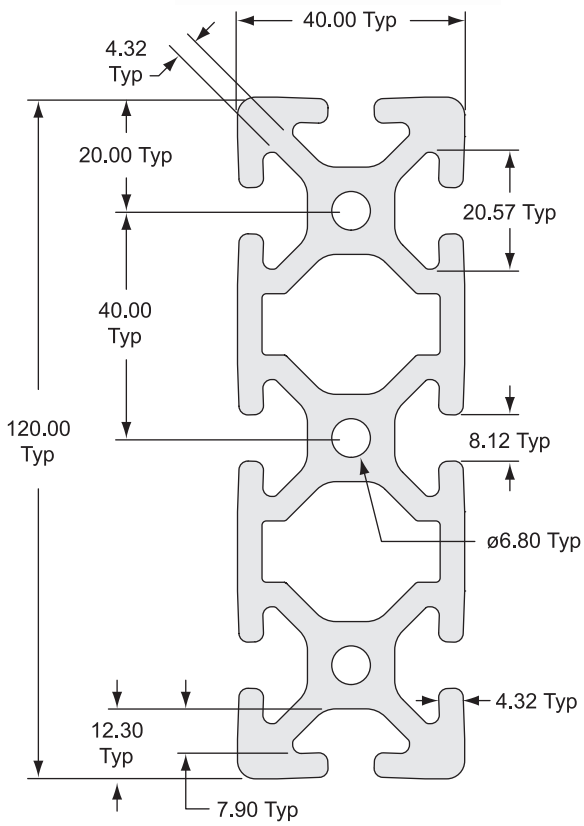
** See 2° Drop-Lock information on page 640.

40-4012 T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Eight open T-slots for mounting accessories
- Great for linear motion, machine frames, robotics and supports
- The cavities can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- Compatibility Code*: 8-40

VIBRATION PROOF™ **

Part No.	40-4012
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	5.9671 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4012-4M 6m - Part No. 40-4012-6M
Moment Of Inertia	IX=306.3198 cm⁴ IY=36.8009 cm⁴
Estimated Area	22.1775 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7021 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7028 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

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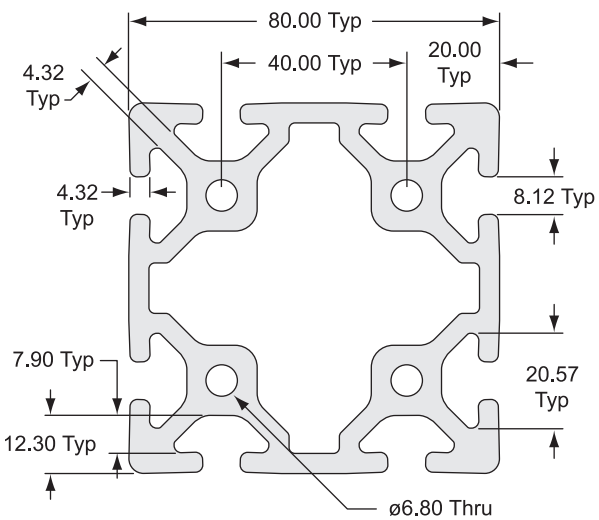
40-8080 T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Eight open T-slots for mounting accessories
- Ideal for applications where strength and open T-slots are required
- The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- Compatibility Code*: 8-40

VIBRATION** PROOF™

Part No.	40-8080
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	6.4280 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-8080-4M 6m - Part No. 40-8080-6M
Moment Of Inertia	IX=171.6341 cm⁴ IY=171.6341 cm⁴
Estimated Area	23.8908 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7030 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7056 (see page 1030)

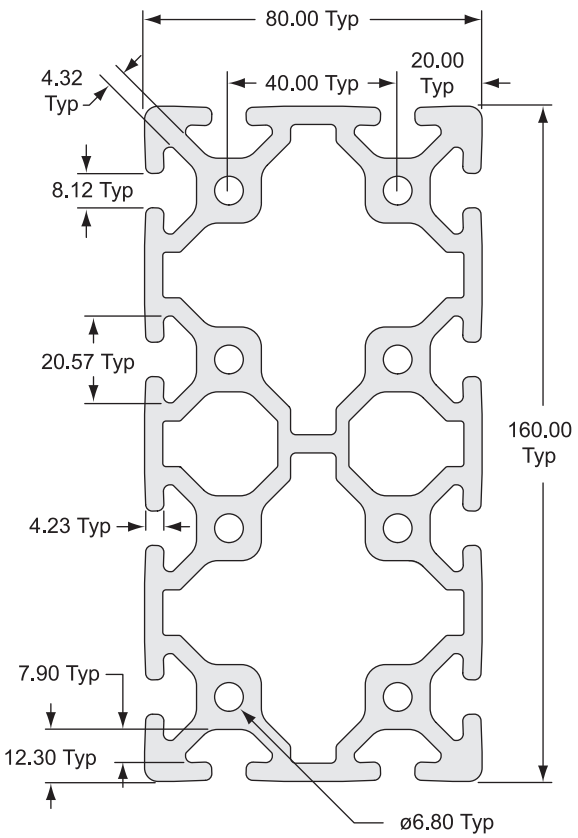
* See Compatibility Code information on page 642.
** See 2° Drop-Lock information on page 640.

40-8016 T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- 12 open T-slots for mounting accessories
- Ideal for applications where strength and open T-slots are required
- The cavities can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- Compatibility Code*: 8-40

VIBRATION PROOF™ **

Part No.	40-8016
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	11.8395 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-8016-4M 6m - Part No. 40-8016-6M
Moment Of Inertia	IX=1111.9793 cm⁴ IY=322.7985 cm⁴
Estimated Area	44.0033 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7023 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7031 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

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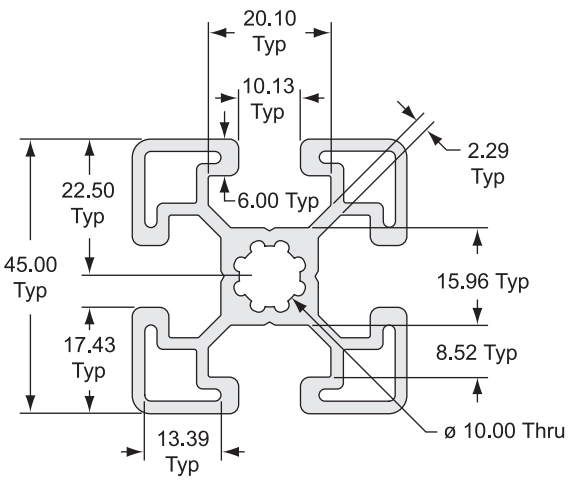
45-4545-Lite T-Slotted Profile - 45 Series

- Compatible with all 45 Series fasteners
- Four open T-slots for mounting accessories
- Developed for applications with lighter weight and strength requirements than heavier wall profiles such as the 45-4545
- Available in two stock lengths
- Compatibility Code*: 10-45

Part No.	45-4545-Lite
Compatibility Code	10-45
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.5716 kg/m
Stock Length (+/- .3mm)	4m - Part No. 45-4545-Lite-4M 6m - Part No. 45-4545-Lite-6M
Moment Of Inertia	IX=9.2029 cm^4 IY=9.2029 cm^4
Estimated Area	5.2652 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	45-7010 (see page 1029)
10mm Access Hole	45-7248 (see page 1031)
Tap Profile End	45-7053 (see page 1030)
Bolt Connector	45-7037 (see page 1048)

Machining Service	Service Number
Central Connector	45-7058 (see page 1049)
Miter Cut - One End	45-7065 (see page 1035)
Miter Cut Counterbore	45-7082 (see page 1038)

* See Compatibility Code information on page 642.

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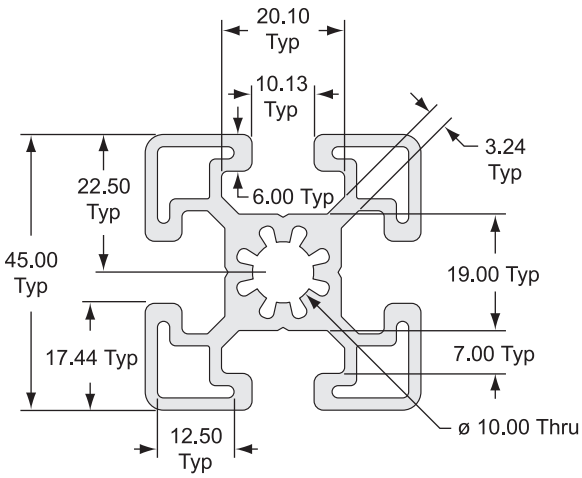
45-4545 T-Slotted Profile - 45 Series

- Compatible with all 45 Series fasteners
- Four open T-slots for mounting accessories
- 45-4545 is ideal for robust machine guards, machine frames, sound enclosures, work benches, displays and machine fixtures
- Available in two stock lengths
- Compatibility Code*: 10-45

Part No.	45-4545
Compatibility Code	10-45
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	2.3038 kg/m
Stock Length (+/- .3mm)	4m - Part No. 45-4545-4M 6m - Part No. 45-4545-6M
Moment Of Inertia	IX=13.9604 cm^4 IY=13.9604 cm^4
Estimated Area	7.5651 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	45-7010 (see page 1029)
10mm Access Hole	45-7248 (see page 1031)
Tap Profile End	45-7053 (see page 1030)
Bolt Connector	45-7037 (see page 1048)

Machining Service	Service Number
Central Connector	45-7058 (see page 1049)
Miter Cut - One End	45-7065 (see page 1035)
Miter Cut Counterbore	45-7082 (see page 1038)

* See Compatibility Code information on page 642.

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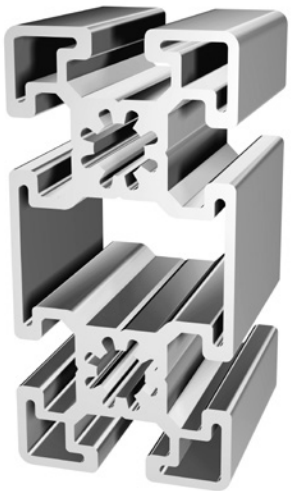
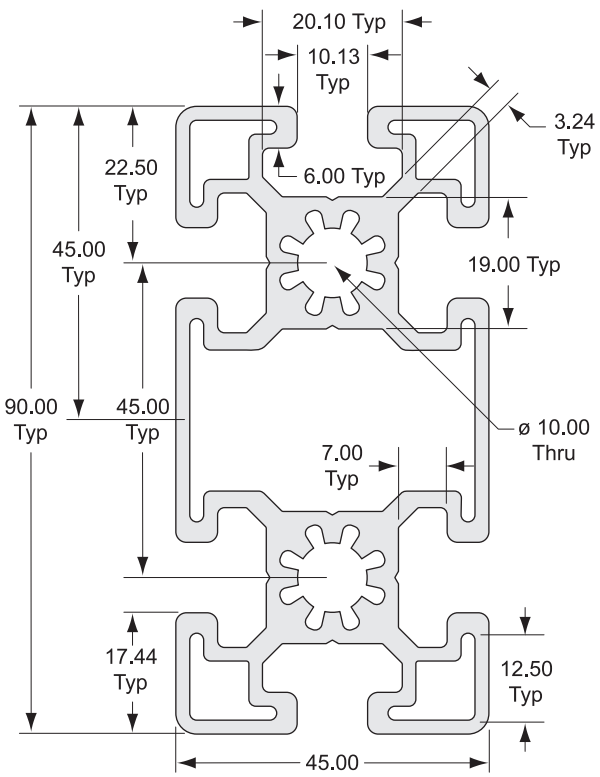
45-4590 T-Slotted Profile - 45 Series

- **Compatible with all 45 Series fasteners**
- **Six open T-slots for mounting accessories**
- **45-4590 is ideal for robust machine guards, machine frames, sound enclosures, work benches, displays and machine fixtures**
- **Available in two stock lengths**
- **Compatibility Code*: 10-45**



Part No.	45-4590
Compatibility Code	10-45
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	3.5627 kg/m
Stock Length (+/- .3mm)	4m - Part No. 45-4590-4M 6m - Part No. 45-4590-6M
Moment Of Inertia	IX=104.2073 cm^4 IY=25.2638 cm^4
Estimated Area	12.9484 cm^2



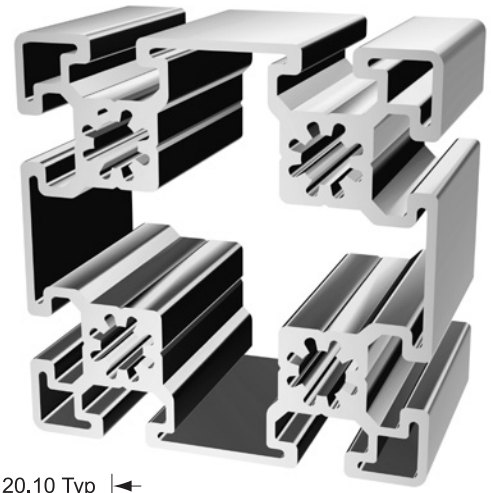
Quick Machining Reference

Machining Service	Service Number
Cut to Length	45-7020 (see page 1029)
10mm Access Hole	45-7248 (see page 1031)
Tap Profile End	45-7032 (see page 1030)
Miter Cut - One End	45-7075 (see page 1035)
Miter Cut Counterbore	45-7092 (see page 1038)
Bolt Connector	45-7037 (see page 1048)

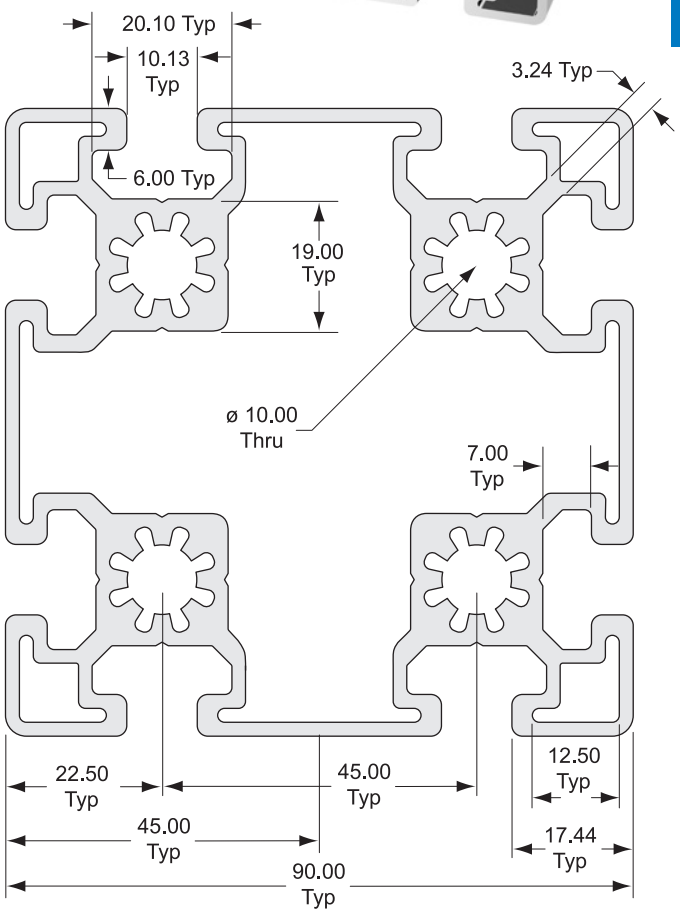
* See Compatibility Code information on page 642.

45-9090 T-Slotted Profile - 45 Series

- Compatible with all 45 Series fasteners
- Eight open T-slots for mounting accessories
- 45-9090 is ideal for robust machine guards, machine frames, sound enclosures, workbenches, displays and machine fixtures
- Available in two stock lengths
- Compatibility Code*: 10-45



Part No.	45-9090
Compatibility Code	10-45
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	5.6580 kg/m
Stock Length (+/- .3mm)	4m - Part No. 45-9090-4M 6m - Part No. 45-9090-6M
Moment Of Inertia	IX=178.4969 cm^4 IY=179.4969 cm^4
Estimated Area	20.4683 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	45-7030 (see page 1029)
Tap Profile End	45-7036 (see page 1030)
Bolt Connector	45-7037 (see page 1048)

* See Compatibility Code information on page 642.

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Customized Displays by 80/20®

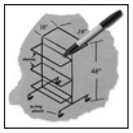
- **With 80/20®'s same-day shipments — 80/20® product is perfect for those last minute trade show display frames.**
- **Everything . . . all pieces, parts, panels and even anodizing can be delivered from one vendor and on one order — 80/20® products.**
- **Perfect for large or small scale display use.**
- **Great for automated displays — all wiring and tubing can be hidden within the conduit of the profile.**

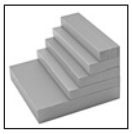
We specialize in FAST™ *same day shipments!*

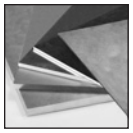
Section #2 Pictorial Table Of Contents

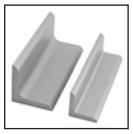
How To Order

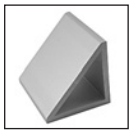
Page 696

Requesting A Quote

Page 697

Flat Stock

Page 698

Solid Aluminum Plate

Page 699

Angled Profiles

Page 700

45º Gusset Profiles

Page 701

Standard Pivot Nub Profiles

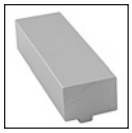
Page 702

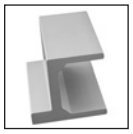
Right Angle Pivot Nub Profiles

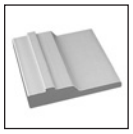
Page 702

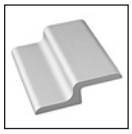
Hinge Profiles

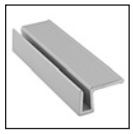
Page 703

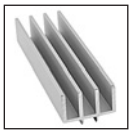
Panel Mount Block Profiles

Page 704

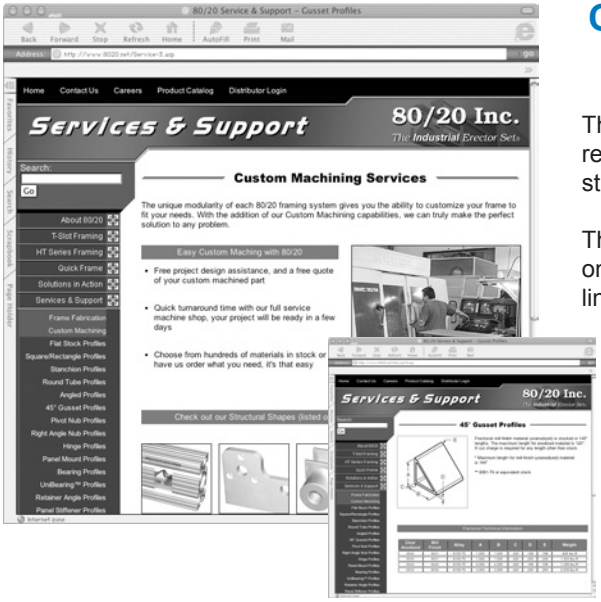
Linear Bearing Profiles

Page 705

UniBearing™ Profiles

Page 706

Retainer Angle Profiles

Page 707

Panel Stiffener Profiles

Page 708

Door Slide Track Profiles

Page 709



Custom Machining Solutions On The 80/20® Website!

The 80/20 website presents the perfect quick reference for information on 80/20's full line of structural shapes and custom machining services.

The custom machining section of the website not only details our commitment to quality, but also links to individual structural shape product pages, supplying you with all the product information found within this catalog.

When you need 80/20 structural shapes or custom machining information, simply log on to www.8020.net and visit the Services & Support section.

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How to Order 80/20® Structural Shapes

If the structural shape you are ordering requires only a cut-to-length service, simply list the shape's part number, quantity and length, as well as a brief description of the shape. If you are ordering a shape with machining other than cut-to-length, you must send a full drawing of the part with all required dimensions and machining placements (do not chain dimension) to your local distributor. To find your local distributor visit www.8020.net.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/UOM	Ext. Price
1	25-2525	2	469.9mm	25-7042 in A both ends	$0.01	$7.89
	40-4040-Lite-4m	5	4 m	Full length profile	$80.00	$400.00
	40-8016	4	1016.0mm	40-7029 one end	$0.14	$554.74
	40-8080	4	914.4mm	40-7050 style MG in W, X both ends	$0.06	$230.43
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	65-2611	1	.63 sm	6mm bronze polycarb 1 @ 457.2mm x 1016mm w/ 25-7311 per drawing	$111.95	$70.53
4	65-7150	1		Cut plastic panels all sides < -1220mm	$10.50	$10.50
	25-7042	4		25 Series anchor fastener counterbore	$2.25	$9.00
	25-7005	2		Cut-to-length for 25-2525	$1.95	$3.90
	40-7023	4		Cut-to-length for 40-8016	$2.90	$11.60
	40-7030	4		Cut-to-length for 40-8080	$2.60	$10.40
	40-7050	64		40 Series drill access hole	$1.95	$124.80
	40-7029	4		5/16-18 tap service for 40-8016	$15.20	$60.80
	25-7311	2		Anchor fastener notch for 25 Series	$0.53	$1.06
5	40-3891	32		40 Series M8 bright zinc end fastener w/ screw	$1.65	$52.80
	25-2114	16		Gray T-Slot covers for 25 Series	$3.45	$55.20
	40-2050	8		End caps for 40-8080	$1.85	$14.80
	25-3896	4		25 Series anchor fasteners	$3.10	$12.40
	40-1982	5		40 Series M8 bright zinc double economy T-nut	$0.84	$4.20
	25-4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	75-3404	24		25 Series M6 BHSCS & economy T-nut	$0.45	$10.80
				TOTAL		$1739.25

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 640-694 • 2 - Custom Parts = Pages 695-710 • 3 - Panels = Pages 831-914
4 - Machining Services = Pages 1025-1078 • 5 - Accessories & Tools = Pages 915-938 & 1015-1024

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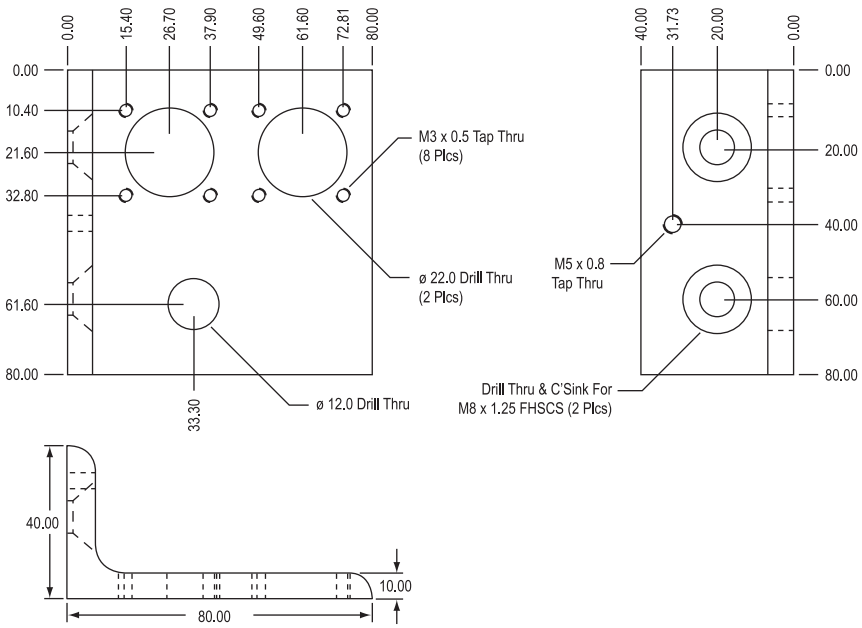
Drawing Submission Requirements

If the structural shape you are ordering requires additional machining other than cut-to-length, a drawing must be provided to 80/20® or your local distributor. Please refer to the following 80/20® drawing submission guidelines to ensure that your quote will be processed as quickly as possible.

Things To Remember When Requesting A Quote

- Be sure to include all your contact information in case there are questions.
- Electronic files are preferred, such as a drawing from AutoCAD or SolidWorks.
- If you cannot provide an electronic file, that's ok! Just fax us your drawing.
- If you need a tighter tolerance than the standard +/- .010", just note it on your drawing.
- Jot down any special coating or plating requirements you need.
- To be sure your parts are machined to your specs, please avoid chain dimensioning your drawing, and it is best to position the 0 point at the upper left corner.
- Fax your drawing to 260-248-8029, email us at cmrfq@8020inc.com or contact your local distributor.



Legend for Icons

This part can use double economy T-nuts.
See page 757.

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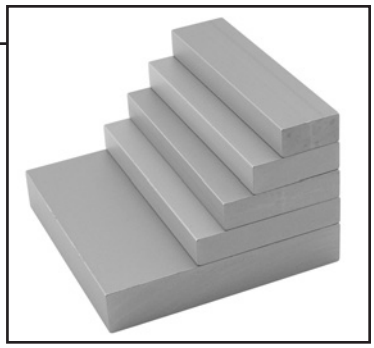
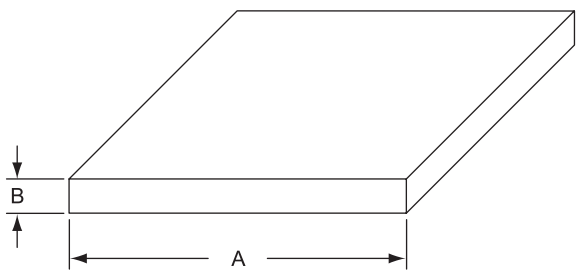
Flat Stock

- **Stock Length: 4m mill-finish (unanodized) unless noted**
- **See page 1029 for cut-to-length service**
- **Flat stock can be used for custom parts such as joining plates, manifolds, floor mounts and more**





Flat Stock Part No.				Cut-to-Length		
Clear Anodized	Mill-Finish	A	B	Part No.	Alloy	kg / m
25-8307	25-8308	25.00	4.00	65-7212	6105-T5	.275
25-8310	25-8311	25.00	6.00	65-7212	6105-T5	.414
40-8320	40-8321	39.80	6.00	65-7212	6105-T5	.659
40-8322	40-8323	40.00	12.00	65-7212	6105-T5	1.256
40-8325	40-8326	40.00	19.00	65-7212	6105-T5	2.101
25-8330	25-8331	50.00	4.00	65-7212	6105-T5	.552
25-8327	25-8328	50.00	12.00	65-7212	6105-T5	1.659
25-8337	25-8338	62.50	12.00	65-7212	6105-T5	2.010
25-8335	25-8336	75.00	4.00	65-7212	6105-T5	.829
40-8340	40-8341	80.00	6.00	65-7212	6105-T5	1.327
40-8345	40-8346	80.00	19.00	65-7212	6105-T5	4.205
25-8360	25-8361	100.00	4.00	65-7224	6105-T5	1.106
25-8370	25-8371	100.00	19.00	65-7224	6105-T5	5.259
40-8375	40-8376	120.00	6.00	65-7224	6105-T5	1.989
40-8385	40-8386	160.00	6.00	65-7224	6105-T5	2.653
40-8390	40-8391	160.00	9.00	65-7224	6105-T5	3.980

All profiles are in stock and ready for shipment.

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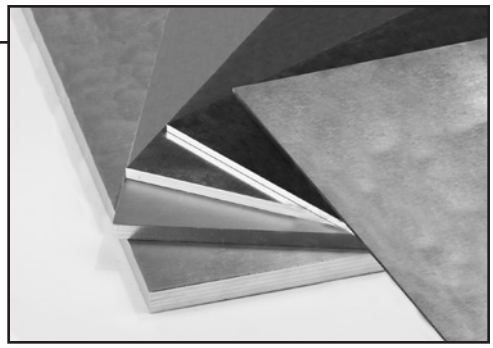
Solid Aluminum Plate

- **Unanodized mill finish**
- **6061-T6 alloy**
- **Anodized parts quoted on request (CM)**
- **See page 1076 for mill finish sanding service**
- **See page 1076 for aluminum panel machining services**



Part No.	Material	Thickness	kg. / Sq. meter	Stock Sheet Size
65-2452	Aluminum Plate	1.524mm	4.340	1219.2 x 3657.6
65-2453	Aluminum Plate	3.175mm	8.613	1219.2 x 3657.6
65-2454	Aluminum Plate	4.750mm	13.085	1219.2 x 3657.6
65-2455	Aluminum Plate	6.350mm	18.065	1219.2 x 3657.6
65-2456	Aluminum Plate	9.525mm	27.097	1219.2 x 3657.6
65-2457	Aluminum Plate	12.700mm	36.130	1231.9 x 2451.1

NEW!

80/20® now offers solid aluminum, mill finish plate in six thicknesses. These aluminum sheets can be anodized and machined to meet your needs.

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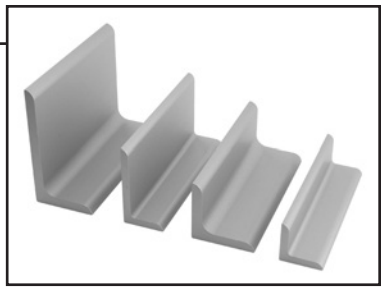
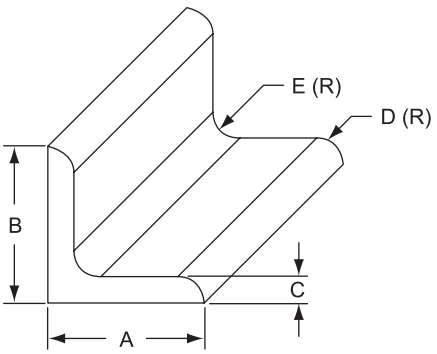
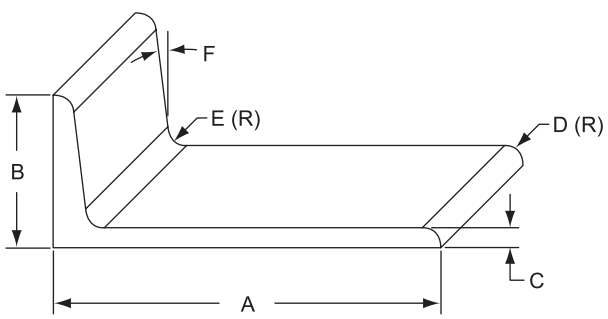
Angle Profiles

- **Stock Length: 4m mill-finish (unanodized) unless noted**
- **See page 1029 for cut-to-length service**
- **Angled profiles are perfect for custom corner brackets, part bin supports or tool hangers**





Angle Profile Part No.								Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	Alloy	Part No.	kg / m
25-8210	25-8211	25.00	25.00	3.00	3.00	3.00	6105-T5	65-7212	.384
25-8217	25-8218	25.00	25.00	4.00	4.00	3.00	6105-T5	65-7212	.493
25-8212	25-8213	25.00	50.00	4.00	4.00	3.00	6105-T5	65-7212	.769
40-8220	40-8221	40.00	40.00	6.00	6.00	8.00	6105-T5	65-7212	1.221
40-8230	40-8231	40.00	80.00	6.00	6.00	8.00	6105-T5	65-7212	1.885
25-8222	25-8223	50.00	50.00	4.00	4.00	3.00	6105-T5	65-7212	1.045
40-8235	40-8236	80.00	80.00	6.00	6.00	8.00	6105-T5	65-7212	2.550



Angle Profile Part No.									Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	Alloy	Part No.	kg / m
65-8415	65-8416	140.00	56.00	6.00	6.00	6.00	10°	6105-T5	65-7224	3.659

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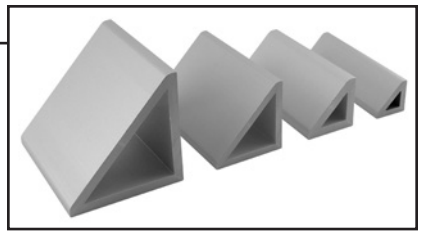
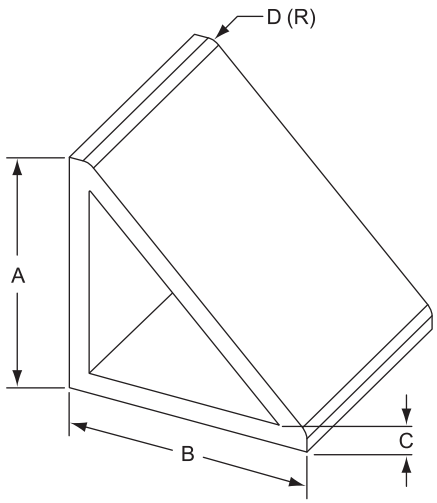
45° Gusset Profiles

- **Stock Length: 4m mill-finish (unanodized) unless noted**
- **See page 1029 for cut-to-length service**
- **Gusset profiles can be used for custom parts such as joining plates, floor mounts, supports and more**





45° Gusset Profile Part No.							Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	Alloy	Part No.	kg / m
25-8620	25-8621	25.00	25.00	4.00	4.00	6105-T5	65-7212	.790
40-8630	40-8631	40.00	40.00	6.00	6.00	6105-T5	65-7212	2.860
25-8625	25-8626	50.00	50.00	4.00	4.00	6105-T5	65-7212	1.732
40-8635	40-8636	80.00	80.00	6.00	6.00	6105-T5	65-7212	4.189

Design your own custom plates, brackets and accessories. Our structural shapes make anything possible!

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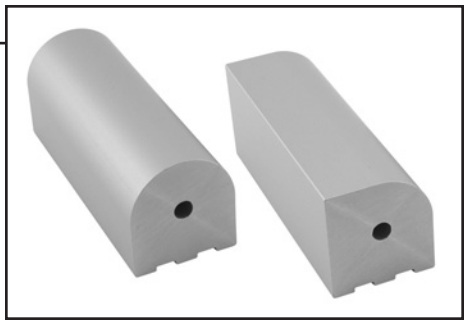
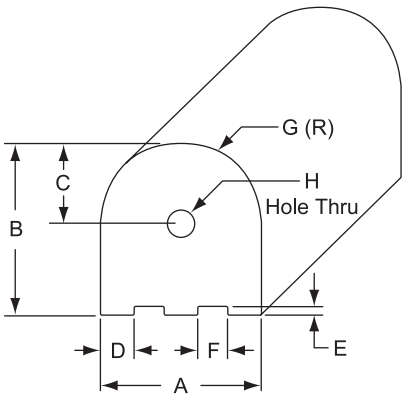
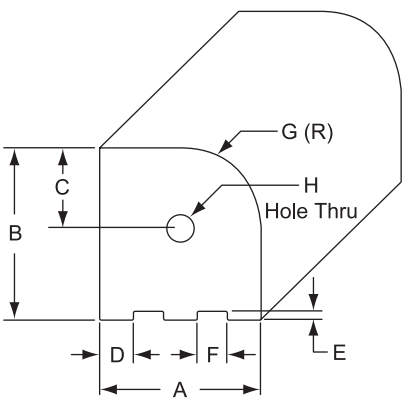
Standard & Right Angle Pivot Nub Profiles

- **Stock Length: 4m mill-finish (unanodized) unless noted**
- **See page 1029 for cut-to-length service**





Standard Nub Profile Part No.										Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	Part No.	kg / m
25-8547	25-8548	25.00	27.00	12.50	6.33	1.10	3.00	12.50	5.00	65-7212	1.609
40-8545	40-8546	40.00	42.50	20.00	8.00	2.13	8.04	20.00	6.60	65-7212	4.034



Right Angle Nub Profile Part No.										Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	Part No.	kg / m
25-8445	25-8446	25.00	27.00	12.50	6.33	1.10	3.00	12.50	5.00	65-7212	1.693
40-8448	40-8449	40.00	42.50	20.00	8.00	2.13	8.04	20.00	6.60	65-7212	4.093

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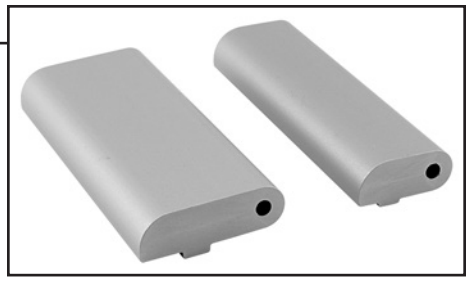
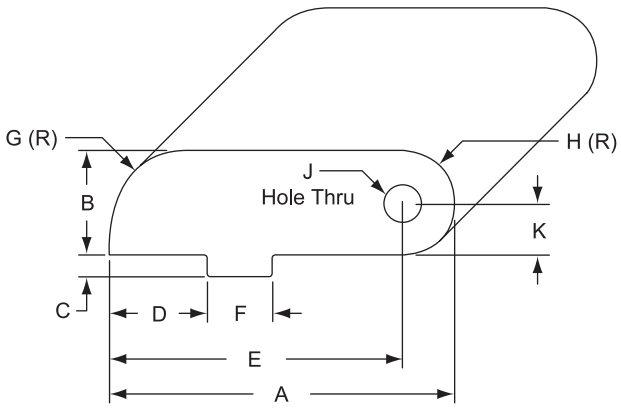
Hinge Profiles

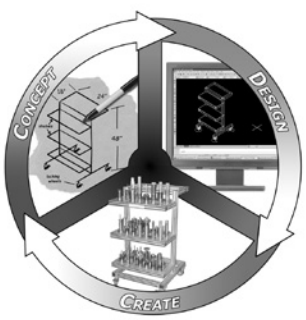
- **Stock Length: 4m mill-finish (unanodized) unless noted**
- **See page 1029 for cut-to-length service**





Hinge Profile Part No.													Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	J	K	Alloy	Part No.	kg / m
25-8550	25-8551	29.00	13.00	1.50	6.40	22.80	6.20	9.30	6.50	4.50	6.50	6105-T5	65-7212	.924
40-8555	40-8556	43.59	13.00	2.60	12.90	37.59	7.90	9.50	6.50	4.50	6.50	6105-T5	65-7212	1.489

80/20® Custom Machining - Specializing in fabrication of structural shapes or any part listed in this catalog. From concept and design to implementation – look to 80/20 for your custom-machined parts.



Concept: 80/20's versatility allows you to create concepts for sensible solutions anywhere, at any time, for any problem.

Design: By using state of the art equipment, employing a highly knowledgeable staff, and dedicating ourselves to quality, we are able to supply you with precise design ideas and specifications free of charge.

Create: When 80/20 custom machines your project, we guarantee it will be to your specifications and ready to ship with 80/20's fast turnaround. Order one custom part or 500… 80/20 has no minimum orders!

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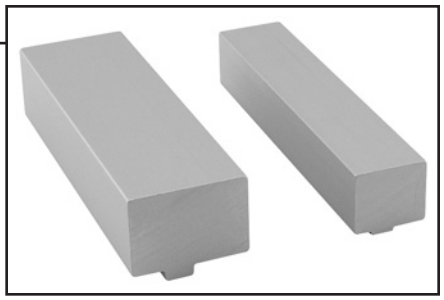
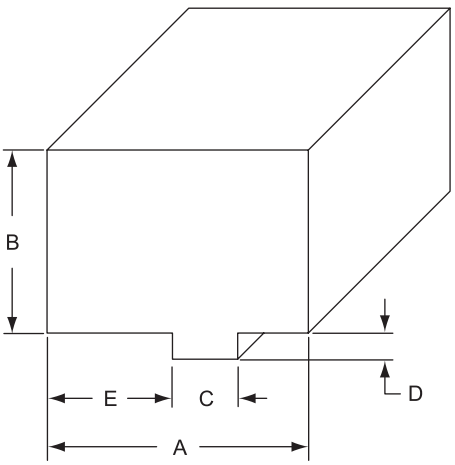
Panel Mount Block Profiles

- **Stock Length: 4m mill-finish (unanodized) unless noted**
- **See page 1029 for cut-to-length service**





Panel Mount Block Profile Part No.							Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	Part No.	kg / m
25-8567	25-8568	20.30	19.00	6.30	1.30	9.30	65-7212	1.089
40-8565	40-8566	34.30	23.20	7.87	3.30	16.20	65-7212	2.270

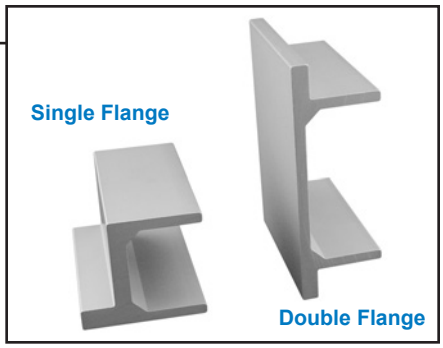
Aluminum Anodizing Now Available In-House at 80/20®

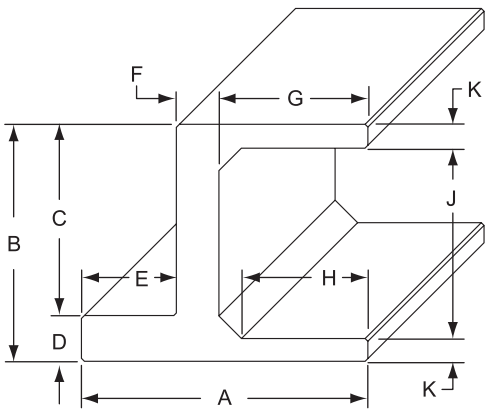
80/20 specializes in aluminum milling and machining. To fully support this effort we offer aluminum anodizing in seven primary colors. Our clear anodizing is handled in-house which equals a faster turnaround time for any quantity of custom machined parts.

For more information, log on to **www.8020.net** and visit the Services and Support section.

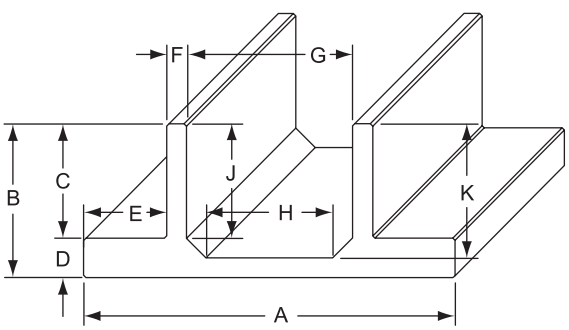
Single & Double Flange Bearing Profiles

- **Stock Length: 4m mill-finish (unanodized) unless noted**
- **See page 1029 for cut-to-length service**





Single Flange Part No.												Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	J	K	Part No.	kg / m
25-8520	25-8521	49.74	41.15	33.15	8.00	16.50	6.00	27.24	23.20	33.15	4.00	65-7212	1.690
40-8530	40-8531	71.80	65.13	53.12	11.99	19.00	9.00	43.84	35.84	52.83	6.15	65-7212	3.910



Double Flange Part No.												Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	J	K	Part No.	kg / m
25-8525	25-8526	74.15	31.20	23.20	8.00	16.50	4.00	33.15	25.15	23.25	27.25	65-7212	1.824
25-8527	25-8528	99.20	31.20	23.20	8.00	16.50	4.00	58.20	50.20	23.25	27.25	65-7224	2.101
40-8535	40-8536	103.12	50.00	41.00	9.00	19.00	6.15	52.82	36.82	35.84	43.84	65-7224	3.710
40-8540	40-8541	143.30	50.00	41.00	9.00	19.00	6.15	93.01	77.01	35.84	43.84	65-7224	4.400

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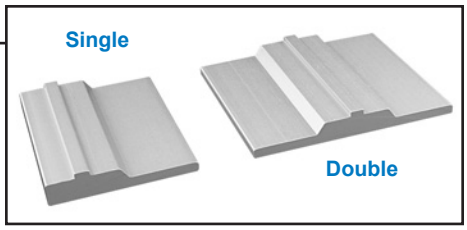
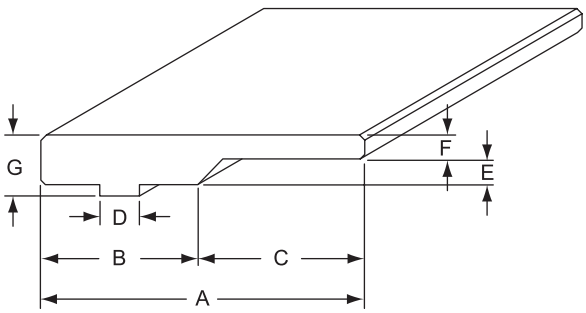
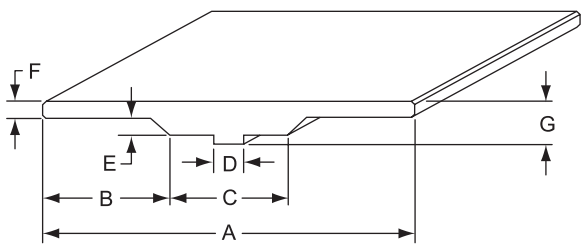
Single & Double UniBearing™ Profiles

- **Stock Length: 4m mill-finish (unanodized) unless noted**
- **See page 1029 for cut-to-length service**





Single Part No.									Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	Part No.	kg / m
25-8580	25-8581	52.40	25.40	27.00	6.35	3.96	3.96	9.53	65-7212	.872
40-8582	40-8583	79.38	38.10	41.28	7.92	6.60	6.22	15.88	65-7212	1.445



Double Part No.									Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	Part No.	kg / m
25-8584	25-8585	79.38	27.00	25.40	6.35	3.96	3.96	9.53	65-7212	1.155
40-8586	40-8587	120.65	41.28	38.10	7.92	6.60	6.22	15.88	65-7224	2.809

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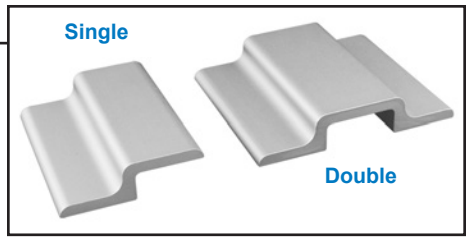
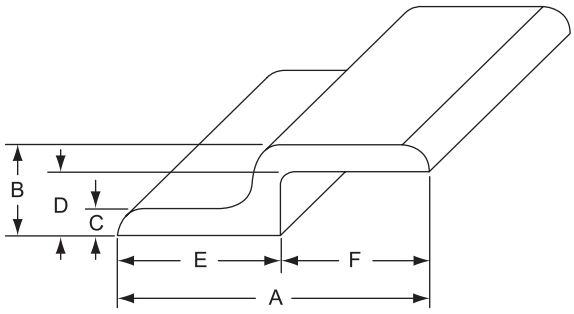
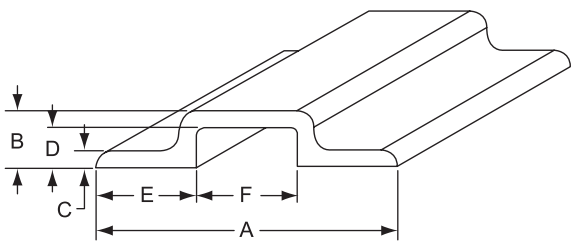
Single & Double Retainer Angle Profiles

- **Stock Length: 4m mill-finish (unanodized) unless noted**
- **See page 1029 for cut-to-length service**





Single Part No.									Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	Alloy	Part No.	kg / m
20-8515	20-8516	39.00	10.20	3.00	7.20	20.00	19.00	6105-T5	65-7212	.371
25-8515	25-8516	48.50	13.30	4.00	9.30	25.00	23.50	6105-T5	65-7212	.623
30-8515	30-8516	58.00	14.60	4.00	10.60	30.00	28.00	6105-T5	65-7212	.726
40-8510	40-8511	77.00	22.00	6.00	16.00	40.00	37.00	6105-T5	65-7212	1.503
45-8510	45-8511	87.00	23.30	6.00	17.30	45.00	42.00	6105-T5	65-7224	1.637



Double Part No.									Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	Alloy	Part No.	kg / m
25-8610	25-8611	75.50	13.30	4.00	9.30	25.00	25.50	6105-T5	65-7212	1.025
40-8512	40-8513	120.59	21.95	6.00	15.95	40.00	40.60	6105-T5	65-7224	2.521

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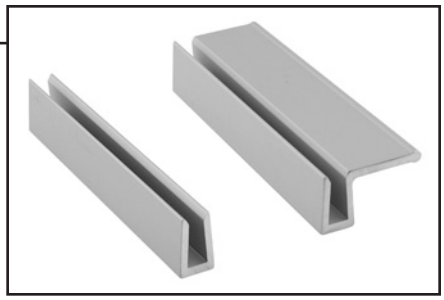
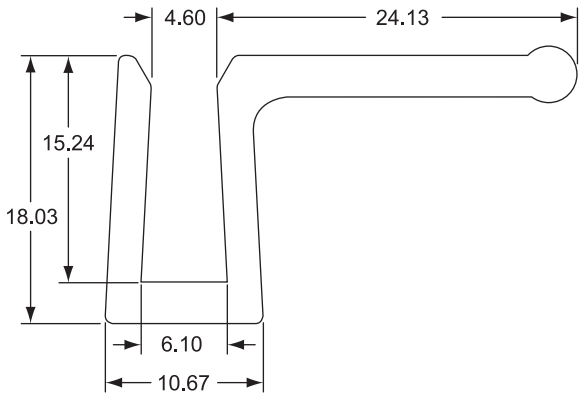
Panel Stiffener Profiles with or without Handle

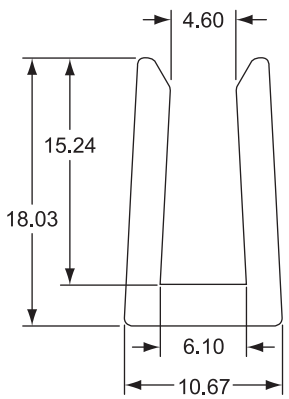


- **Stock Length: 3.68m clear anodized material**
- **See page 1029 for cut-to-length service**
- **Easy to install with a soft face mallet found on page 1024**
- **Aluminum panel handles can be found on page 885**

DVD



Part No. Clear Anodized	Alloy	Cut-to-Length Part No.	kg / m
65-8570	6105-T5	65-7212	.427



Part No. Clear Anodized	Alloy	Cut-to-Length Part No.	kg / m
65-8575	6105-T5	65-7212	.250

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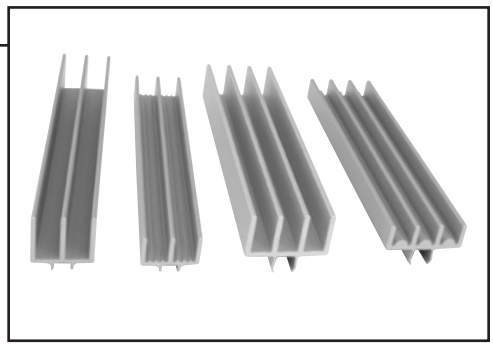
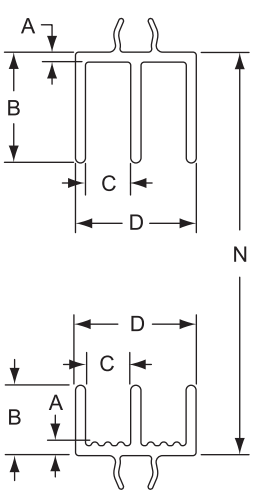
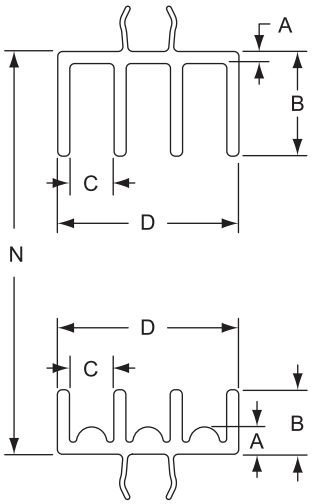
Door Slide Tracks

- **Stock Length: 3.68m clear anodized material**
- **Refer to page 884 for more information**
- **See page 1029 for cut-to-length service**

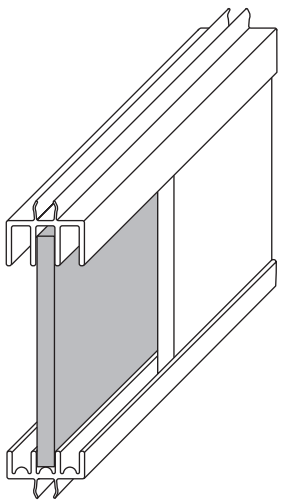




25 Series



40 Series



Part No. Clear Anodized	A	B	C	D	Alloy	Track Type	Cut-to-Length Part No.	kg / m
25-2211	1.57	17.48	7.14	19.05	6105-T5	Upper	65-7212	.310
25-2221	2.16	11.13	7.14	19.05	6105-T5	Lower	65-7212	.232
40-2210	1.52	16.51	6.99	28.58	6105-T5	Upper	65-7212	.452
40-2220	3.91	10.16	6.99	28.58	6105-T5	Lower	65-7212	.393

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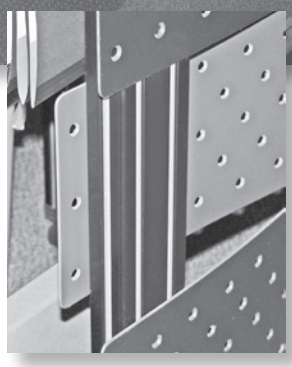
Modular Office Furniture by 80/20®

- **Stained wooden dowel rods uniquely offset the T-slots of the black anodized profiles.**
- **The high-gloss finish and contemporary shape of this reception desk create a warm and appealing marriage of 80/20®'s profiles and natural materials.**
- **If you're looking for a great design concept that's truly unique and one-of-a-kind . . . you can create it with 80/20® and the best of what Mother Nature has to offer!**
- **Check out more 80/20® office furniture solutions on our website, www.8020.net; select the Solutions In Action link.**



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Section #3 Pictorial Table Of Contents

Introduction To Fasteners

Pages 712-713

How To Order

Page 714

Metric Fastener Standards

Page 715

Fastener Tool Size Reference

Page 715

Metric Part No. Definition

Page 716

Legend for Icons

Page 716

Slide-In Economy T-Nuts

Page 717

Slide-In Double Economy T-Nuts

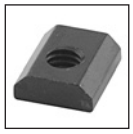
Page 718

Economy T-Nut Holding Springs

Page 719

Slide-In Economy T-Nuts

Page 719

Slide-In T-Nuts

Page 720

Slide-In Economy T-Slot Studs

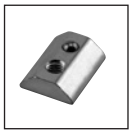
Page 721

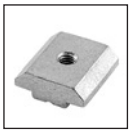
Spring T-Nuts

Page 721

Slide-In T-Nuts with Ball Spring

Page 722

Slide-In T-Nuts with Ball Spring

Page 722

Slide-In T-Nuts

Page 723

Slide-In T-Nuts

Page 723

Roll-In T-Nuts with Flex Handle

Page 724

Roll-In T-Nuts with Set Screw

Page 725

Roll-In T-Nuts

Page 726

Roll-In T-Nuts with Ball Spring

Page 727

Roll-In T-Nuts with Ball Spring

Page 728

Roll-In T-Nuts with Spring Leaf

Page 729

Roll-In T-Nuts with Spring Leaf

Pages 729-730

Drop-In T-Nuts

Page 730

Drop-In T-Nuts

Page 731

Drop-In T-Studs

Page 732

Drop-In T-Stud with Flanged Hex Nut

Page 733

Threaded Insert

Page 733

Central Connectors

Page 734

Cover Cap for Central Connectors

Page 734

Hidden Corner Connectors

Page 735

Bolt Connectors

Page 736

Butt Fasteners

Page 736

Anchor Fasteners

Page 737

Double Anchor Fasteners

Page 738

Standard End Fasteners

Pagse 739

Single Tab End Fasteners

Page 740

Connecting Screws

Page 740

Miter Connector

Page741

Plate Connectors

Page742

Bolts Assemblies & Components

Pages 743-751

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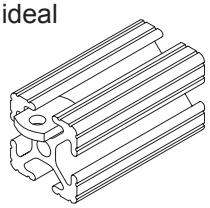
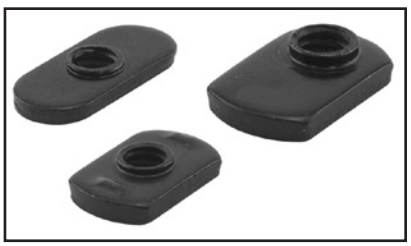
Introduction to Fasteners

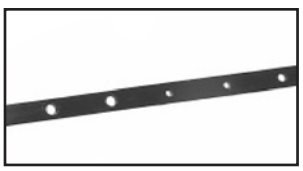
80/20® has the largest assortment of fasteners available in the industry! We stock over 20 types, featuring over 400 variations and combinations for your applications. 80/20 fasteners are made of high-quality materials and hold tight tolerances. Variations include fasteners that load from the profile end or the profile side, fractional or metric, and black zinc, bright zinc or stainless steel material.

Slide-In Economy T-Nuts: Single economy T-nuts are available with the thread centered or offset to best fit your application requirements. Offset T-nuts are ideal for making clean end connections without compromising strength. Centered T-nuts work well for connections made in the center of a profile or with a joining plate. Economy T-nuts are also available in double and triple configurations.

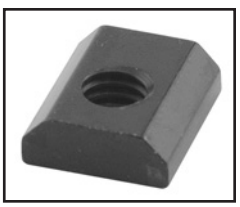


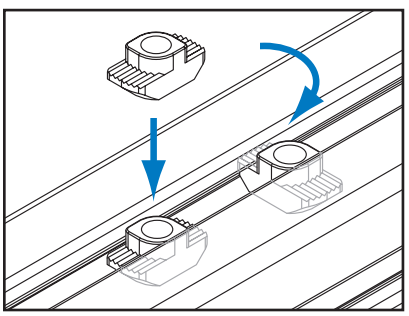


Standard **Slide-In T-Nuts**, made of 1215 carbon steel, are high-strength, low-cost fasteners that load from the profile end. They can be customized up to 36 inches in length for any application.

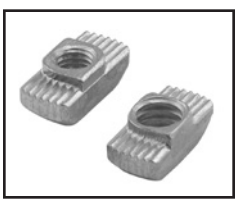


Customized Lengths Available

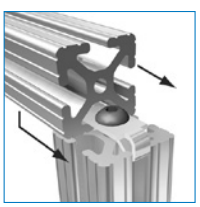




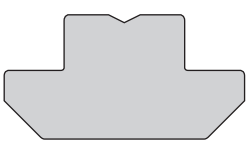
Drop-in T-Nut fasteners are a cost-effective, modular choice for most mounting needs. If the profile ends are captivated, Drop-in fasteners can be placed directly in the T-slot, then rotated for secure placement.



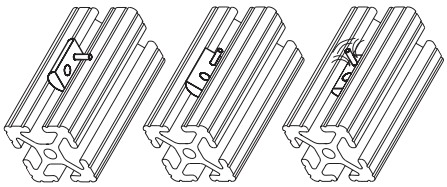
End Fasteners provide a strong, square, hidden joint in a fixed location that simplifies assembly. When ordering applications with end fasteners, be sure to specify tapping and access hole machining services for your profiles.



Self-Aligning T-Nuts have a raised section that extends up into the T-slot opening. This feature will center the threaded hole of the T-nut in the T-slot, prevent rotation and allow for longer thread dimensions. Note: Make certain the “neck” does not extend past the face of the T-slot profile, interfering with the connection.

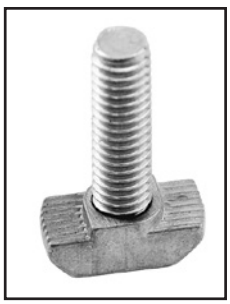


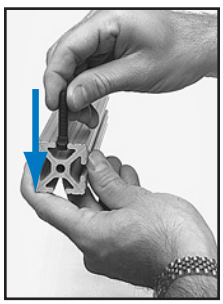
Roll-In T-Nuts with Flex Handle, Set Screw, Ball Spring or Spring Leaf load from the profile side, allowing add-ons to your application without dismantling the frame. Roll-in T-nuts with a flex handle, ball spring, set screw or spring leaf hold the T-nut in place for easy positioning. The flex handle makes removal of the drop-in simple.

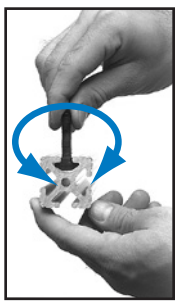


Slide-In Economy T-Slot Studs, loaded from the end of a profile, are the strongest fastener available from 80/20® for use with joining plates. By engaging the Drop-Lock feature, they provide a vibration-proof connection when properly tightened. The square key on the shoulder of the bolt prevents the stud from turning when an application is subjected to vibration.

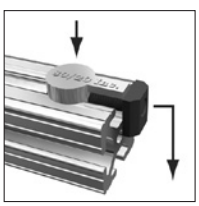
Drop-in T-Slot Studs load from the profile end or into the profile side. If the profile ends are captivated, drop-in fasteners can be placed directly in the T-slot, then rotated for secure placement.

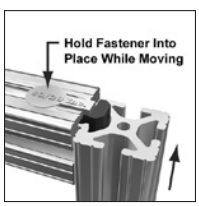


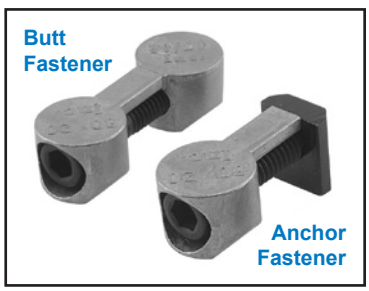




Anchor Fasteners, available in single and double configurations, are perfect for making 90˚ connections in the center of a bar. These fasteners make a strong, flush connection that can be easily adjusted when used with any of 80/20®'s T-slotted profiles.







Butt Fasteners allow you to fasten two profiles end-to-end with maximum strength and near-perfect alignment. When space restrictions prevent the use of joining plates, butt fasteners are the perfect solution.

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How to Order 80/20® Fasteners

As you will notice in the order below, ordering fasteners from 80/20 is a simple process. Simply write the part number and quantity required (note: when ordering bolt kits, double check the quantity required per the connector). To finish, just write a brief description of the fastener you are ordering. This will help us ensure that you receive the exact parts that you need.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:
Customer: _____
Address: _____
City / State: _____
Attention: _____
Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/UOM	Ext. Price
1	25-2525	2	469.9mm	25-7042 in A both ends	$0.01	$7.89
	40-4040-Lite-4m	5	4 m	Full length profile	$80.00	$400.00
	40-8016	4	1016.0mm	40-7029 one end	$0.14	$554.74
	40-8080	4	914.4mm	40-7050 style MG in W, X both ends	$0.06	$230.43
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	65-2611	1	.63 sm	6mm bronze polycarb 1 @ 457.2mm x 1016mm w/ 25-7311 per drawing	$111.95	$70.53
4	65-7150	1		Cut plastic panels all sides < -1220mm	$10.50	$10.50
	25-7042	4		25 Series anchor fastener counterbore	$2.25	$9.00
	25-7005	2		Cut-to-length for 25-2525	$1.95	$3.90
	40-7023	4		Cut-to-length for 40-8016	$2.90	$11.60
	40-7030	4		Cut-to-length for 40-8080	$2.60	$10.40
	40-7050	64		40 Series drill access hole	$1.95	$124.80
	40-7029	4		5/16-18 tap service for 40-8016	$15.20	$60.80
	25-7311	2		Anchor fastener notch for 25 Series	$0.53	$1.06
5	40-3891	32		40 Series M8 bright zinc end fastener w/ screw	$1.65	$52.80
	25-2114	16		Gray T-Slot covers for 25 Series	$3.45	$55.20
	40-2050	8		End caps for 40-8080	$1.85	$14.80
	25-3896	4		25 Series anchor fasteners	$3.10	$12.40
	40-1982	5		40 Series M8 bright zinc double economy T-nut	$0.84	$4.20
	25-4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	75-3404	24		25 Series M6 BHSCS & economy T-nut	$0.45	$10.80

TOTAL $1739.25

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 640-694 • 2 - Custom Parts = Pages 695-710 • 3 - Panels = Pages 831-914
4 - Machining Services = Pages 1025-1078 • 5 - Accessories & Tools = Pages 915-938 & 1015-1024

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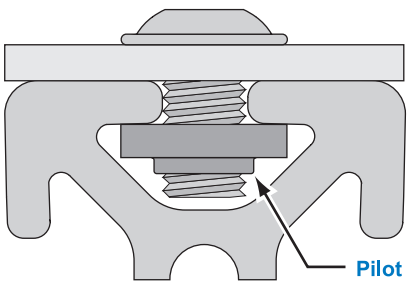
Fastener Standards

Assembling T-slotted profiles with 80/20®'s selection of fasteners is a simple and quick process. To ensure a secure connection, there are a few key points to keep in mind when placing fasteners into the T-slot:

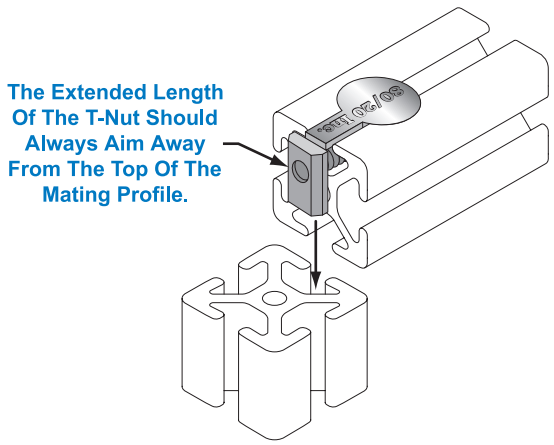
Threaded Pilot Projection

The threaded pilot projection on T-nuts provides more thread, adding strength to the fastener. Always position the projection down in the T-slot to avoid crashing and an uneven connection.



Offset Tap Hole Location

The offset threaded hole on 80/20 T-nuts allows for a flush surface when mating two profiles at a 90º connection. This is most common when using anchor fasteners, shown in the example below.



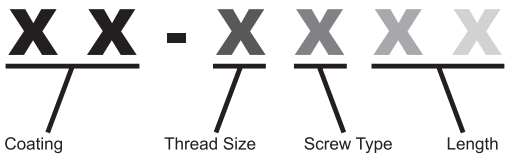
Fastener/Hex Tool Size Reference

This chart is a quick reference when looking for the correct size of hex wrench for use with 80/20 fasteners. See pages 1015-1024 for power bits, T or L-handle wrenches, and Bondhus® tools.

Thread Size	Fastener Head			
	SHCS	BHSCS	FBHSCS	FHSCS
8-32	N/A	3/32”	N/A	N/A
10-32	5/32”	1/8”	N/A	N/A
1/4-20	3/16”	5/32”	5/32”	5/32”
5/16-18	1/4”	3/16”	3/16”	3/16”
3/8-16	5/16”	N/A	N/A	7/32”
M5	4mm	3mm	N/A	3mm
M6	5mm	4mm	N/A	4mm
M8	6mm	5mm	N/A	5mm
M10	8mm	6mm	N/A	6mm

Metric Fastener Part Number Definition

Most metric fasteners have a 2-digit prefix followed by a dash, followed by a 4-digit number.



Example: 13-8316
Blue M8 BHSCS x 16mm

Example: 11-6510
Black M6 SHCS x 10mm

Coating	Thread Size	Screw Type	Length (mm)
11 - Black	1 - M10	3 - BHSCS	10 - 10 mm
13 - Blue	2 - M12	5 - SHCS	12 - 12 mm
17 - Stainless	3 - M3	7 - FHSCS	16 - 16 mm
19 - Bright	4 - M4	9 - Econ T-Slot Stud	20 - 20 mm
	5 - M5		25 - 25 mm
	6 - M6		30 - 30 mm
	8 - M8		35 - 35 mm
			40 - 40 mm
			45 - 45 mm

Legend for Icons

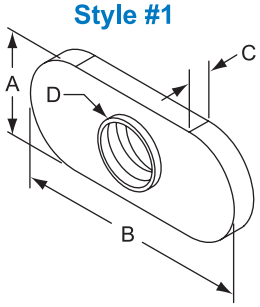
This part can use double economy T-nuts.
See page 757

We specialize in FAST™ same day shipments!

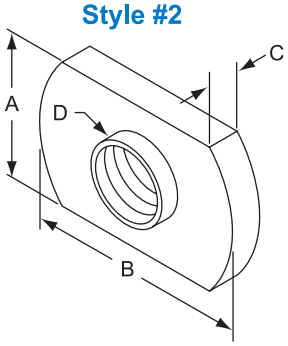
Slide-In Economy T-Nuts

- **Loads from the profile end only**
- **Available in carbon steel, black and bright zinc-plated**
- **Refer to pages 743-751 for our full screw and bolt offering**
- **Refer to page 719 for T-nut holding springs**
- **See page 1045 for economy T-nut clearance machining for profiles**

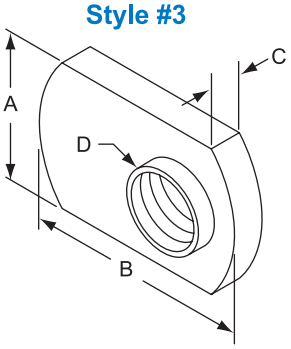
Style #1



Style #2



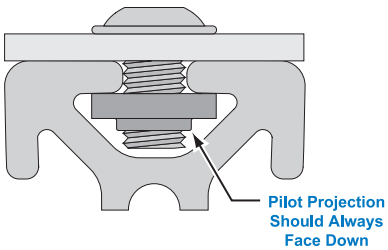
Style #3

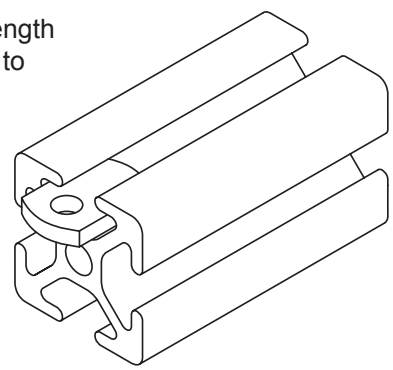


Part No.	Style	A	B	C	D (Thread)	Finish	kg.
25-3382	Style 1	11.25	25.40	2.38	1/4-20 Centered	Black Zinc	.0042
25-1961	Style 1	11.25	25.40	2.38	M6 x 1.0 Centered	Bright Zinc	.0041
25-1941	Style 3	11.25	15.87	2.79	M4 x 0.7 Offset	Bright Zinc	.0037
25-1951	Style 3	11.25	15.87	2.79	M5 x 0.8 Offset	Bright Zinc	.0035
30-3789	Style 2	13.50	25.40	3.60	5/16-18 Centered	Bright Zinc	.0090
30-3796	Style 2	13.50	25.40	3.60	M8 x 1.25 Centered	Bright Zinc	.0090
30-1961	Style 3	13.00	20.60	3.20	M6 x 1.0 Offset	Bright Zinc	.0055
40-3286	Style 2	12.82	20.60	3.17	1/4-20 Centered	Black Zinc	.0054
40-1961	Style 2	12.82	28.57	3.17	M6 x 1.0 Centered	Bright Zinc	.0080
40-1981	Style 3	16.00	24.99	3.60	M8 x 1.25 Offset	Bright Zinc	.0093
40-3278	Style 3	16.00	24.99	3.60	5/16-18 Offset	Black Zinc	.0093

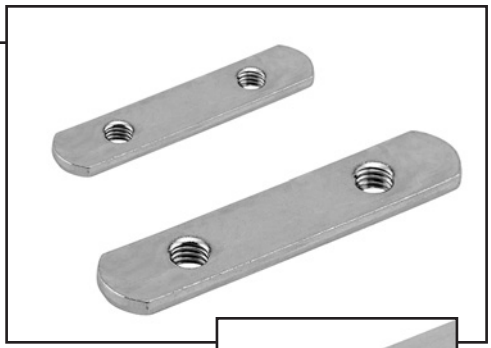
Threaded Pilot Projection

The threaded pilot projection provides more threads, adding strength to the fastener. Always position the projection down in the T-slot to avoid crashing and an uneven connection.

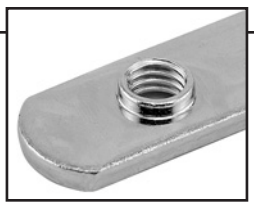


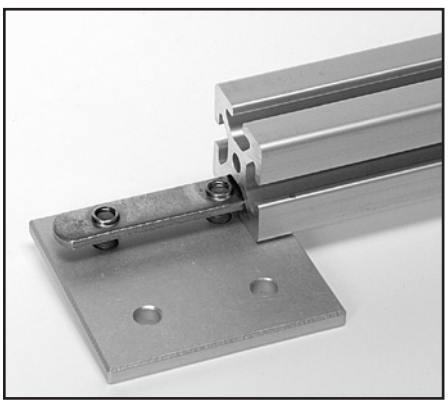


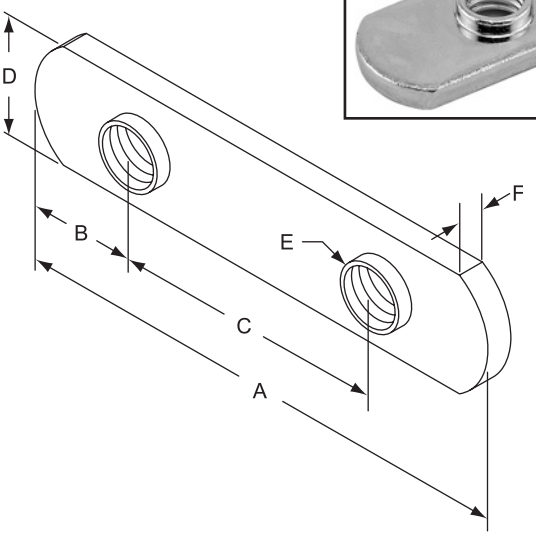
Double Slide-In Economy T-Nuts



- Reduces assembly time
- Loads from the profile end only
- Made from steel with bright zinc finish
- Perfect for multiple hole joining plates
- Refer to pages 743-751 for our full screw and bolt offering
- See page 1045 for economy T-nut clearance machining for profiles



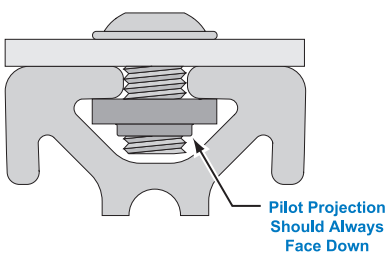


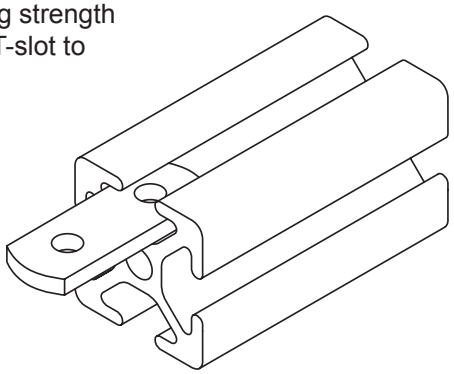


Part No.	A	B	C	D	E (Thread)	F	Finish	kg.
25-1962	47.60	11.30	25.00	11.20	M6 x 1.00	2.41	Bright Zinc	.009
40-1982	75.00	17.50	40.00	16.20	M8 x 1.25	3.60	Bright Zinc	.028

Threaded Pilot Projection

The threaded pilot projection provides more threads, adding strength to the fastener. Always position the projection down in the T-slot to avoid crashing and an uneven connection.





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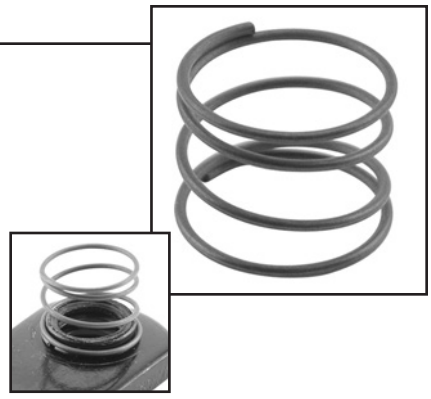
Economy T-Nut Holding Springs

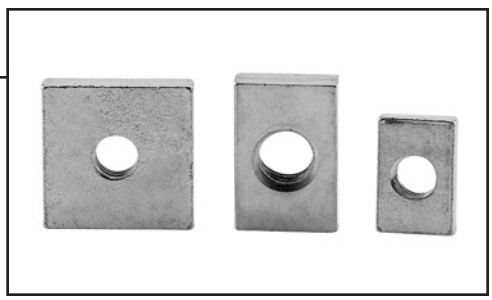


- **Holds 40 Series M8 x 1.25 or 5/16-18 slide-in economy T-nuts in place**
- **Snaps around the pilot projection of the T-nut**
- **Sold in bags of 100 springs**
- **Compatible with 40-1981, 40-1982 and 40-3278**

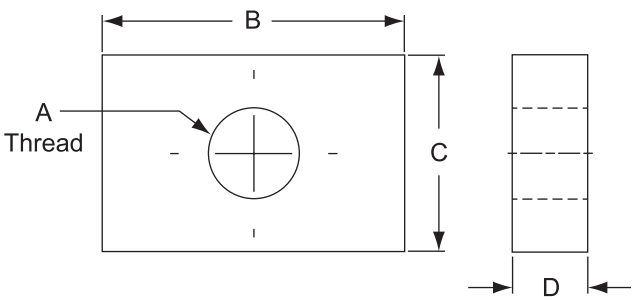
Part No.	Compatible Series	kg. (bag)
3010	40 Series & 15 Series	.0453

Slide-In Economy T-Nuts

Steel, Zinc-Plated



- **Loads only from the profile's end**
- **Very economical**



Part No.	A	B	C	D	Compatibility Code*
14159	M4	9.00	9.00	3.00	5-20
14122	M5	9.00	9.00	3.00	5-20
14124	M6	15.00	10.00	4.00	6-10, 6-25
14126	M6	19.00	16.00	4.00	8-15, 8-40, 10-45
14127	M8	19.00	16.00	4.00	8-15, 8-40, 10-45
14128	M6	19.00	19.00	4.00	10-45
14129	M8	19.00	19.00	4.00	10-45
14130	M6	20.00	13.00	5.00	8-15, 8-40, 10-45
14131	M8	20.00	13.00	5.00	8-15, 8-40, 10-45

* See Compatibility Code information on page 642.

80/20® Inc.
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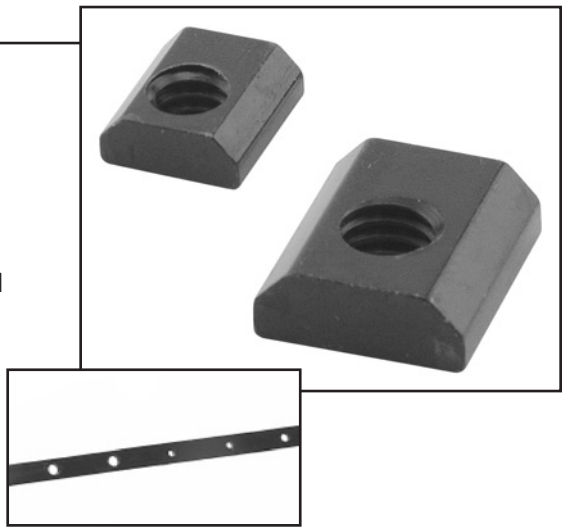
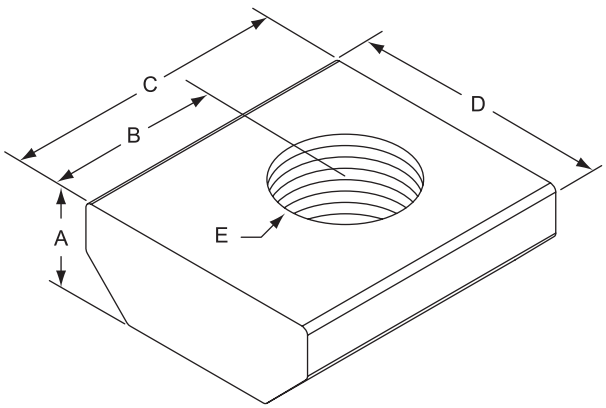
Slide-In T-Nuts

- **Loads from the profile end only**
- **Made from 1215 carbon steel with bright and black zinc finishes**
- **1M Standard T-Nut profiles are available for customized T-Nuts***
- **Refer to pages 743-751 for our full screw and bolt offering**
- **See page 1029 for cut-to-length service**



Customized Lengths Available



Part No.	A	B (Tap Location)	C	D	E (Thread)	Finish	kg.
25-1954	4.34	5.08	12.45	10.95	M5 x 0.8	Bright Zinc	.0045
25-1964	4.34	5.08	12.45	10.95	M6 x 1.0	Bright Zinc	.0045
25-3204	4.34	5.08	12.45	10.95	1/4-20	Black Zinc	.0045
25-8901*	4.34	Per Your Drawing	914.00	10.95	Per Your Drawing	Black or Bright Zinc	.3420
40-1964	6.35	7.14	17.45	15.90	M6 x 1.0	Bright Zinc	.0090
40-1984	6.35	7.14	17.45	15.90	M8 x 1.25	Bright Zinc	.0090
40-3202	6.35	7.14	17.45	15.90	1/4-20	Black Zinc	.0090
40-3203	6.35	7.14	17.45	15.90	5/16-18	Black Zinc	.0090
40-8900*	6.35	Per Your Drawing	914.00	15.90	Per Your Drawing	Black or Bright Zinc	.6840

***Note:** 80/20® can customize T-nut profiles to match your specific requirements; simply submit a sketch to 80/20® or your distributor.

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Slide-In Economy T-Slot Studs

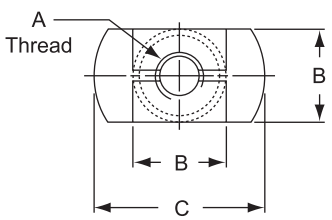
- 40 Series compatible
- Loads from the profile end only
- Strongest fastener available for joining plates
- Square neck prevents rotation
- Refer to pages 743-751 for our full nut and washer offering

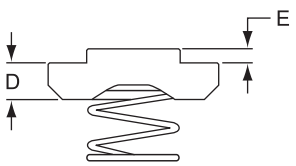
Part No.	Finish	Thread x Length	kg.
19-8920	Bright Zinc	M8 x 20mm	.0142
19-8925	Bright Zinc	M8 x 25mm	.0153
19-8930	Bright Zinc	M8 x 30mm	.0169
19-8935	Bright Zinc	M8 x 35mm	.0194
19-8945	Bright Zinc	M8 x 45mm	.0213
40-3116	Black Zinc	5/16-18 x 3/4"	.0117
40-3120	Black Zinc	5/16-18 x 1"	.0139
40-3126	Black Zinc	5/16-18 x 1-1/4"	.0156
40-3134	Black Zinc	5/16-18 x 1-1/2"	.0177
40-3290	Black Zinc	5/16-18 x 2"	.0225

Spring T-Nuts

Steel, Zinc-Plated

- Loads only from the end of our 10-45 compatible profiles
- Coil spring positions T-nut in the slot for easier assembly

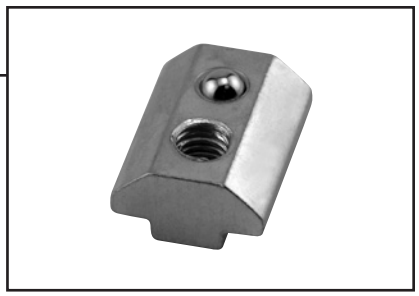




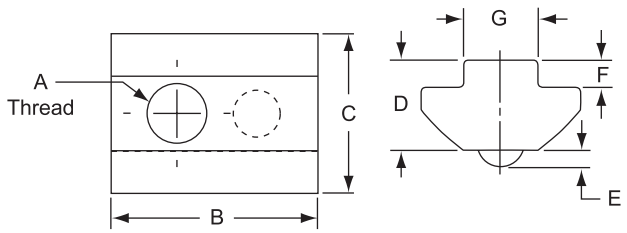
Part No.	A	B	C	D	E	kg.	Compatibility Code*
13106	M4	9.80	18.00	3.80	1.50	.0050	10-45
13107	M5					.0042	
13108	M6					.0041	
13109	M8					.0039	

* See Compatibility Code information on page 642.

Slide-In T-Nuts with Ball Spring
Steel, Zinc-Plated, Self-Aligning

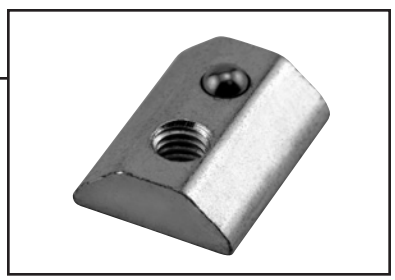


- Loads from the profile's end only
- Compatible with 15 and 40 Series profiles
- Ball spring positions the T-nut in the slot for easier assembly

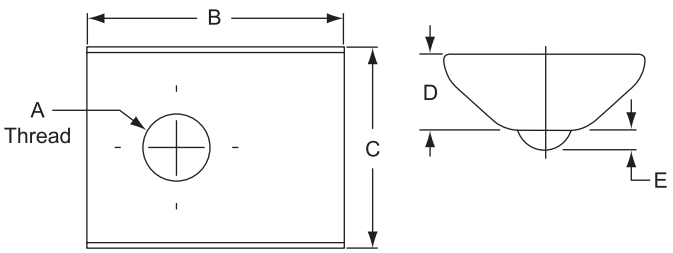


Part No.	A	B	C	D	E	F	G	kg.	Compatibility Code*
13050	M4	22.00	17.00	9.60	1.70	2.90	8.00	.0108	8-15 8-40
13051	M5							.0105	
13052	M6							.0099	
13053	M8							.0090	
13054	1/4-20							.0099	
13055	5/16-18							.0090	

Slide-In T-Nuts with Ball Spring
Steel, Zinc-Plated



- Loads from the profile's end only
- Compatible with 15 and 40 Series profiles



Part No.	A	B	C	D	E	kg.	Compatibility Code*
13064	M5	23.00	18.00	6.80	1.70	.0164	8-15 8-40
13065	M6					.0160	
13066	M8					.0150	

* See Compatibility Code information on page 642.

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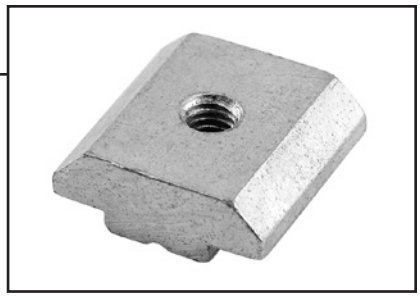
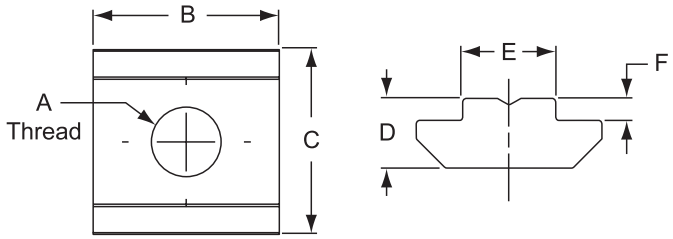
Slide-In T-Nuts

Steel, Zinc-Plated, Self-Aligning



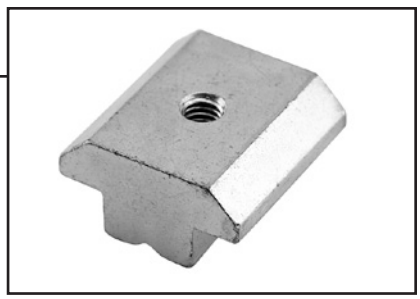
- **Loads only from the profile's end**
- **Works best in our 30 Series profile**
- **Compatible with all our 8mm slot width profiles**



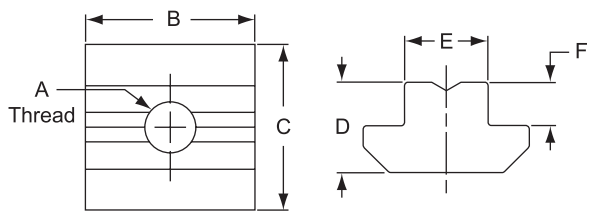
Part No.	A	B	C	D	E	F	kg.	Compatibility Code*
13022	M4	16.00	16.00	6.00	8.00	1.90	.0840	8-15 8-30 8-40
13023	M5						.0810	
13024	M6						.0770	
13025	M8						.0690	

Slide-In T-Nuts

Steel, Zinc-Plated, Self-Aligning



- **Loads only from the profile's end**
- **Compatible with 10-45 profiles**



Part No.	A	B	C	D	E	F	kg.	Compatibility Code*
13047	M5	20.00	19.50	10.60	9.80	5.10	.0209	10-45
13048	M6						.0203	
13049	M8						.0186	

* See Compatibility Code information on page 642.

80/20® Inc.
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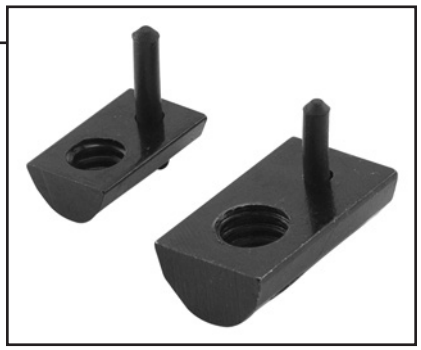
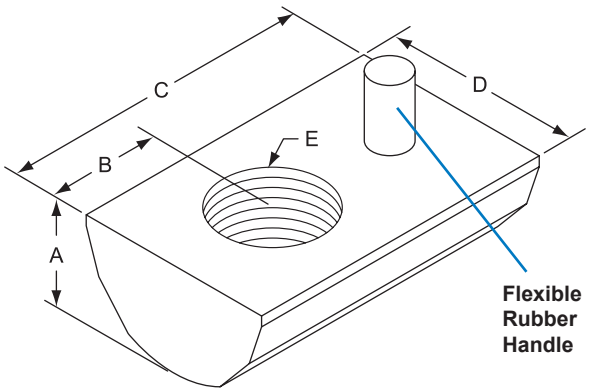
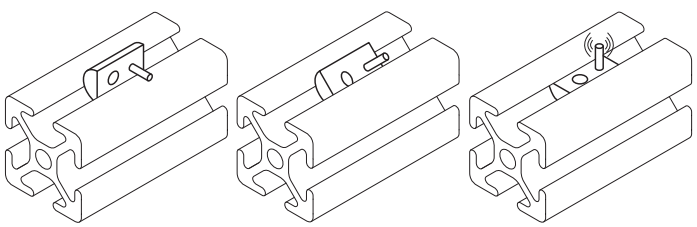
Roll-In T-Nuts with Flex Handle



- **Easy to add and reposition on an existing frame where T-slot ends are captivated**
- **Can be loaded from the profile end or the profile side**
- **Rubber friction nub holds nut in vertical position in the T-slot**
- **This high-strength T-nut reduces assembly time and can be easily removed from the T-slot**
- **Refer to pages 743-751 for our full screw and bolt offering**





Part No.	A	B (Tap Location)	C	D	E (Thread)	Finish	kg.
25-1956	5.08	5.10	15.74	10.03	M5 x 0.80	Bright Zinc	.0045
25-1966	5.08	5.10	15.74	10.03	M6 x 1.00	Bright Zinc	.0038
25-3376	5.08	5.10	15.74	10.03	1/4-20	Black Zinc	.0037
40-1966	7.23	7.87	22.22	12.95	M6 x 1.00	Bright Zinc	.0106
40-1986	7.23	7.87	22.22	12.95	M8 x 1.25	Bright Zinc	.0103
40-3282	7.23	7.87	22.22	12.95	5/16-18	Black Zinc	.0103
40-3283	7.23	7.87	22.22	12.95	1/4-20	Black Zinc	.0109

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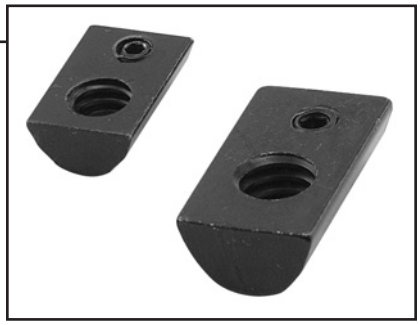
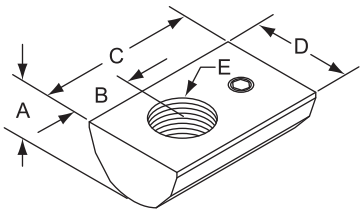
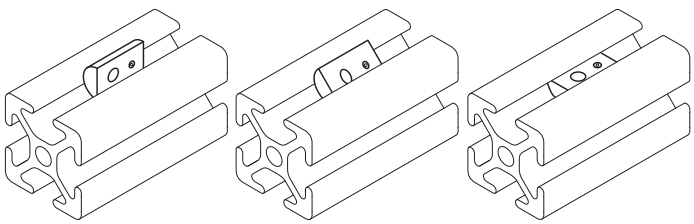
Roll-In T-Nuts with Set Screw



- **Easy to add and reposition on an existing frame where T-slot ends are captivated**
- **Can be loaded from the profile end or the profile side**
- **Set screw permanently positions the T-nut in the T-slot***
- **Available in black and bright zinc**
- **Refer to pages 743-751 for our full screw and bolt offering**



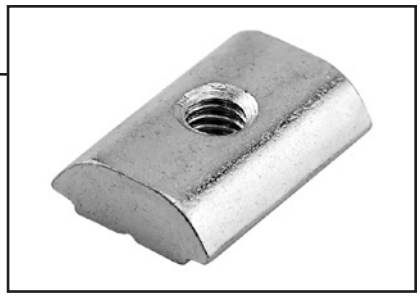


Part No.	A	B (Tap Location)	C	D	E (Thread)	Finish	kg.
40-3310	7.23	7.87	22.22	12.95	1/4-20	Black Zinc	.0122
40-3311	7.23	7.87	22.22	12.95	5/16-18	Black Zinc	.0118
25-3312	5.08	5.10	15.74	10.03	10-32	Black Zinc	.0036
25-3313	5.08	5.10	15.74	10.03	1/4-20	Black Zinc	.0036
40-1968	7.23	7.87	22.22	12.95	M6 x 1.00	Bright Zinc	.0118
40-1988	7.23	7.87	22.22	12.95	M8 x 1.25	Bright Zinc	.0113

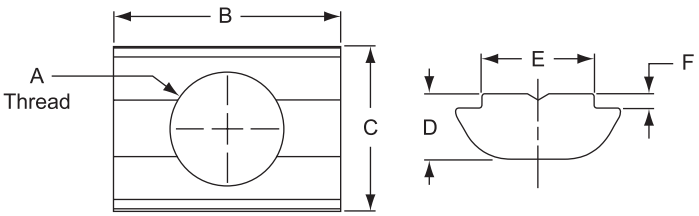
***Note:** An "L" wrench or a Bondhus® Combo Tool, shown on pages 1018-1019, is required for adjusting the set screw.

Roll-In T-Nuts

Steel, Zinc-Plated, Self-Aligning



- **Loads from the profile end or side**
- **Easy to add to an existing frame where T-slot ends are captivated**



Part No.	A	B	C	D	E	F	kg.	Compatibility Code*
13088	M4	16.00	11.60	4.60	7.90	1.00	.0042	8-15 8-30 8-40
13090	M5						.0038	
13092	M6						.0032	
13094	M8						.0026	
13096	1/4-20						.0045	
13098	5/16-18						.0036	
13058	M5	20.00	15.00	6.00	9.80	2.00	.0130	10-45
13060	M6						.0120	
13062	M8						.0110	

* See Compatibility Code information on page 642.

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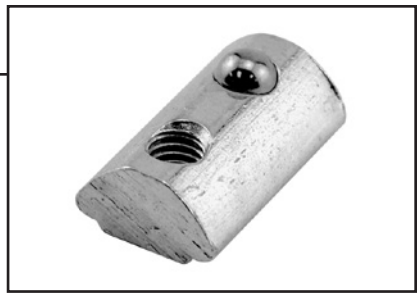
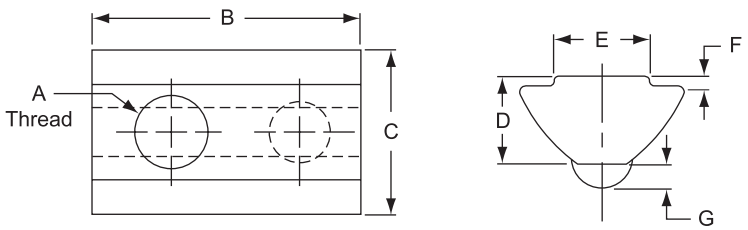
Roll-In T-Nuts with Ball Spring

Steel & Stainless Steel, Self-Aligning

- **T-nut can be loaded from the profile end or side**
- **Ball spring positions the T-nut in the slot for easier assembly**
- **Use in our 20 and 40 Series profiles**



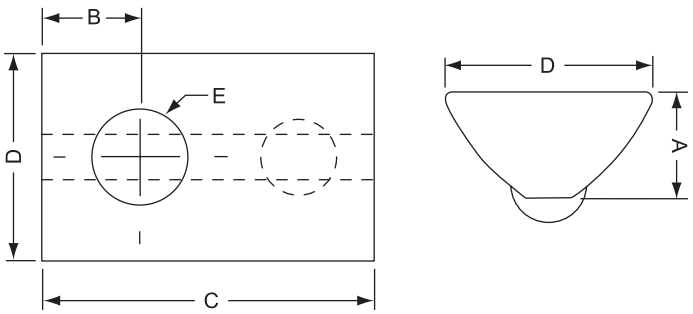


Part No.	Material	A	B	C	D	E	F	G	kg.	Compatibility Code*
13082	Steel, Zinc-Plated	M3	12.00	7.60	4.50	5.00	.50	.70	.0022	5-20
13083		M4	12.00	7.70	4.00	4.90	.60	1.00	.0020	
13084		M5	12.00	7.70	4.00	4.90	.60	1.00	.0018	
13027		M4	22.00	13.50	7.20	7.80	.80	1.70	.0108	8-40
13028		M5							.0105	
13031		M6							.0099	
13034		M8							.0090	
13039		10-32							.0109	
13037		1/4-20							.0099	
13040		5/16-18							.0094	
13029	Stainless Steel	M5							.0105	
13032		M6							.0099	
13035		M8							.0090	

* See Compatibility Code information on page 642.

Roll-In T-Nuts with Ball Spring

- 40 Series compatible
- Easy to add and reposition to existing frame where T-slot ends are captivated
- Can be loaded from the profile end or the profile side
- The ball spring holds the T-nut in vertical position in the T-slot
- Refer to pages 743-751 for our full screw and bolt offering



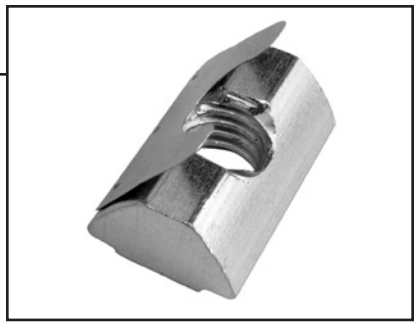
Part No.	A	B (Tap Location)	C	D	E (Thread)	Finish	kg.
40-3913	7.25	.310	22.20	12.95	M5	Bright Zinc	.0127
40-3914	7.25	.310	22.20	12.95	M6	Bright Zinc	.0118
40-3915	7.25	.310	22.20	12.95	M8	Bright Zinc	.0118
13018	7.00	.310	22.00	13.70	1/4-20	Stainless Steel	.0100
13021	7.00	.310	22.00	13.70	5/16-18	Stainless Steel	.0091

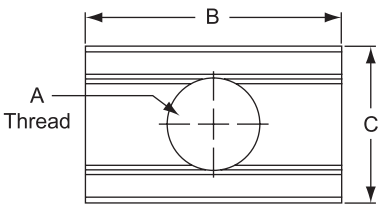
* See Compatibility Code information on page 642.

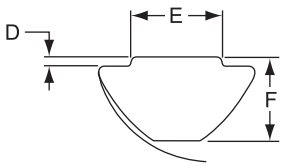
Roll-In T-Nuts with Spring Leaf

Steel, Zinc-Plated, Self-Aligning

- **Loads from the profile end or side**
- **Spring leaf positions the T-nut in the slot for easier assembly**
- **Compatible with 40 Series profiles**





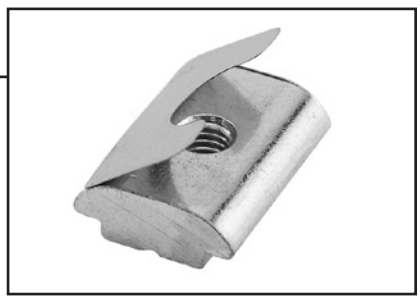


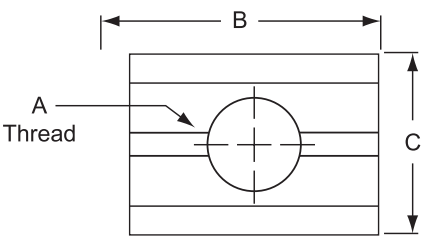
Part No.	A	B	C	D	E	F	kg.	Compatibility Code*
13030	M5	22.00	13.50	0.80	7.80	7.20	.0114	8-15 8-40
13033	M6						.0108	
13036	M8						.0099	
13038	1/4-20						.0109	
13041	5/16-18						.0100	

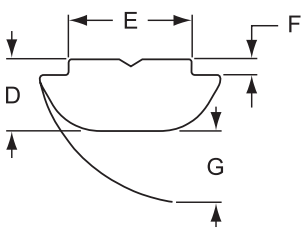
Roll-In T-Nuts with Spring Leaf

Steel, Zinc-Plated, Self-Aligning

- **Loads from the profile's end or side**
- **Spring leaf positions the T-nut in the slot for easier assembly**
- **Compatible with all our 30 & 40 Series profiles**





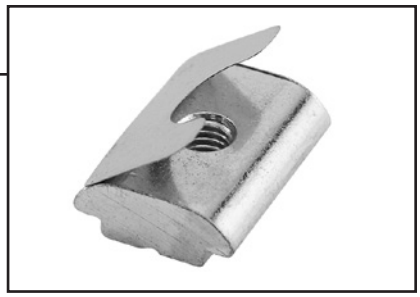


Part No.	A	B	C	D	E	F	G	kg.	Compatibility Code*
13089	M4	16.00	11.60	4.60	7.90	1.00	5.20	.0038	8-15 8-30 8-40
13091	M5							.0036	
13093	M6							.0034	
13095	M8							.0030	

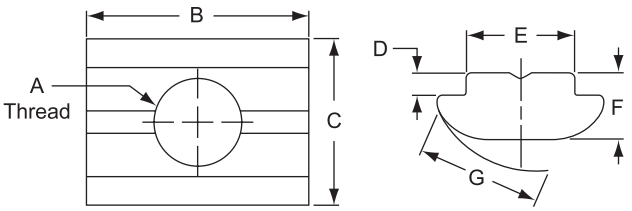
* See Compatibility Code information on page 642.

Roll-In T-Nuts with Spring Leaf

Steel, Zinc-Plated, Self-Aligning



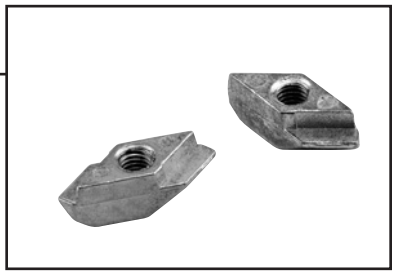
- Loads from the profile's end or side
- Spring leaf positions the T-nut in the slot for easier assembly
- Compatible with 45 Series profiles



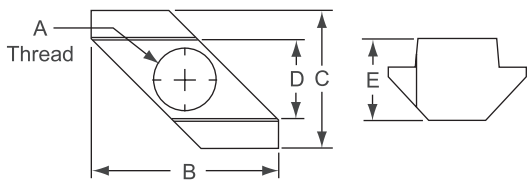
Part No.	A	B	C	D	E	F	G	kg.	Compatibility Code*
13059	M5	20.00	15.00	2.00	9.80	6.00	13.00	.013	10-45
13061	M6							.012	
13063	M8							.011	

Drop-In T-Nuts

Die-Cast Zinc



- Loads from the profiles' end or side
- Compatible with 40 Series profiles



Part No.	A	B	C	D	E	kg.	Compatibility Code*
13179	M3	19.00	14.00	8.00	8.30	.0050	8-15 8-40
13180	M4						
13181	M5						
13182	M6						
14161	1/4-20						

* See Compatibility Code information on page 642.

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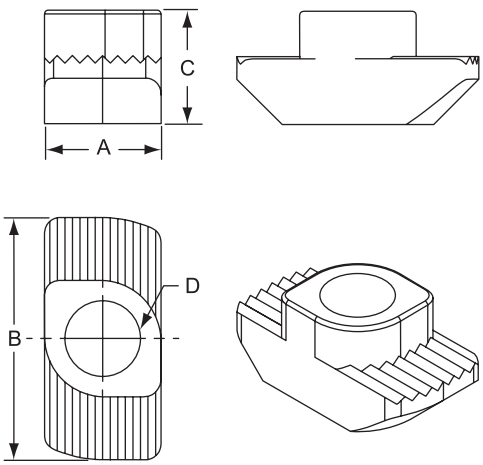
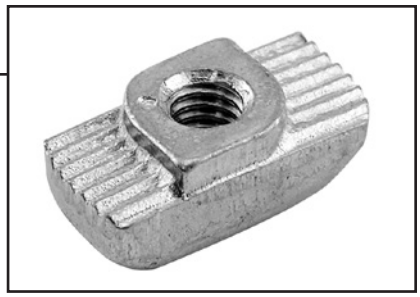
Drop-In T-Nuts
Steel/Stainless Steel





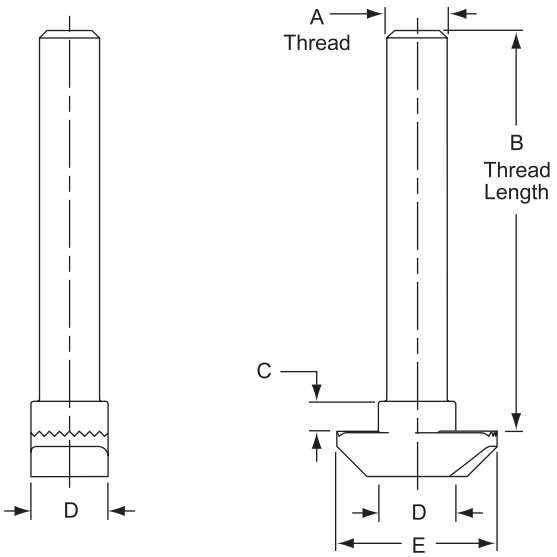
- **Loads by dropping into the T-slot, rotating and engaging in the slot**
- **Ridges bite into the profile surface maximizing the connection**
- **See Compatibilty Code below for profile compatibility**

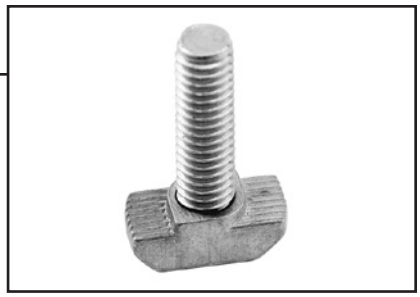
Part No.	Material	A	B	C	D	E	kg.	Compatibility Code*
14162	Steel	10-32	11.50	5.70	3.20	1.00	.0012	6-10 6-25
14164		M4					.0012	
14166	Stainless Steel	M4					.0012	
13118	Stainless Steel	M6	15.80	7.90	4.70	1.60	.0032	8-30
13111		1/4-20	16.00	7.70	4.50	1.50	.0030	
13113	Zinc-Plated Steel	M4					.0038	
13115		M5					.0031	
13117		M6					.0030	
13112		10-32					.0030	
13110		1/4-20					.0031	
13114	Zinc-Plated Steel	M4	16.00	7.70	4.50	3.00	.0045	8-15 8-40
13116		M5					.0035	
13119		M6					.0033	
14165		1/4-20					.0033	
13123	Zinc-Plated Steel	M4	19.00	9.70	5.80	3.00	.0079	10-45
13127		M5	19.60	9.80	5.50	3.00	.0077	
13129		M6	19.00	9.70	5.80	3.00	.0072	
13132		M8					.0057	
13122		10-32					.0076	
13120		1/4-20					.0068	
13124		5/16-18					.0058	
13130	Stainless Steel	M6					.0073	
13133		M8					.0061	
13121		1/4-20					.0073	
13125		5/16-18					.0062	

* See Compatibility Code information on page 642.

Drop-In T-Studs
Steel/Stainless Steel

- **Loads from the profile side or end**
- **See Compatibilty Code below for profile compatibility**





See page 733 for bolt kits with flanged hex nuts

Part No.	Material	A	B	C	D	E	kg.	Compatibility Code*
13135	Stainless Steel	M6	20.00	1.50	7.70	16.00	.0076	8-30
13137			25.00				.0084	
13139			30.00				.0094	
13141			40.00				.0112	
13143			60.00				.0144	
13134	Zinc-Plated Steel		20.00				.0062	
13136			25.00				.0070	
13138			30.00				.0086	
13140			40.00				.0104	
13142			60.00				.0134	
13144	Zinc-Plated Steel	M6	20.00	3.00	7.70	16.00	.0056	8-15 8-40
13145			25.00				.0064	
13146			30.00				.0080	
13147			40.00				.0098	
13148			60.00				.0128	
13169	Zinc-Plated Steel	M8	20.00	3.00	9.70	19.00	.0133	10-45
13171			25.00	4.00	10.00	19.40	.0148	
13173			30.00**				.0163	
13175			40.00**	3.00	9.70	19.00	.0194	
13177			60.00**				.0255	
13170	Stainless Steel SS304	M8	20.00**				.0135	
13172			25.00**				.0152	
13174			30.00**				.0167	
13176			40.00**				.0199	
13178			60.00**				.0263	

* See Compatibility Code information on page 642.

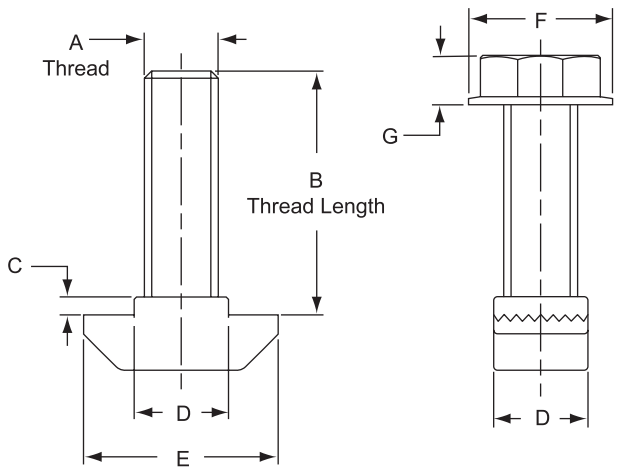
** Drop-In T-Nut with threaded rod

We specialize in FAST™ same day shipments!

Drop-In T-Studs with Flanged Hex Nut

- **Loads directly into profile's slot**
- **Use to connect 30 or 45 Series components**
- **Good for connecting joining plates or inside corner brackets**

See drop-in T-studs on page 732

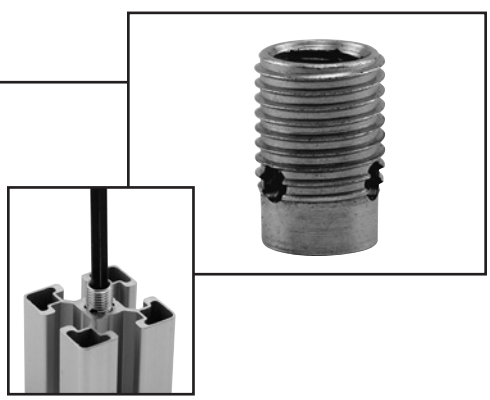


Bolt Kit Part No.	T-Stud Part No.	Hex Nut Part No.	A	B	C	D	E	F	G	kg.	Compatibility Code*
75-3633	13134	14156	M6	20.00	1.50	7.70	16.00	13.20	5.90	.0086	8-30
75-3636	13136	14156	M6	25.00	1.50	7.70	16.00	13.20	5.90	.0095	
75-3637	13138	14156	M6	30.00	1.50	7.70	16.00	13.20	5.90	.0109	
75-3632	13169	13-3759	M8	20.00	3.00	9.70	19.00	17.10	7.80	.0154	10-45
75-3635	13171	13-3759	M8	25.00	4.00	10.00	19.40	17.10	7.80	.0172	
75-3638	13173	13-3759	M8	30.00	4.00	10.00	19.40	17.10	7.80	.0186	

Threaded Insert

Zinc-Plated steel

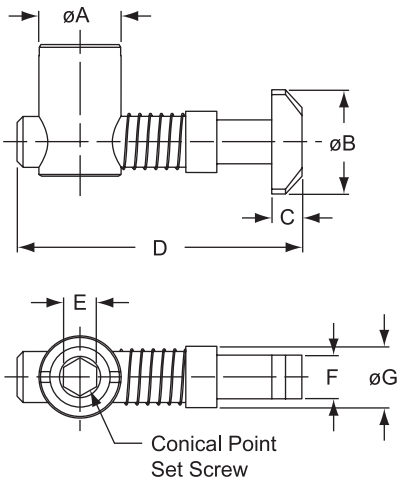
- **Allows 45 Series pivot joints, such as Part No. 14019 on page 812, to be mounted to a 45 Series profile end with M8 SHCS**
- **Use a 1/4" hex tool to install the insert — no tap required**
- **Reduces profile end holes to M8 thread**

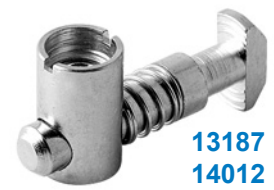


Part No.	Internal Thread	kg.	Compatibility Code*
14196	M8	.0038	10-45

* See Compatibility Code information on page 642.

Central Connectors
Steel, Zinc-Plated





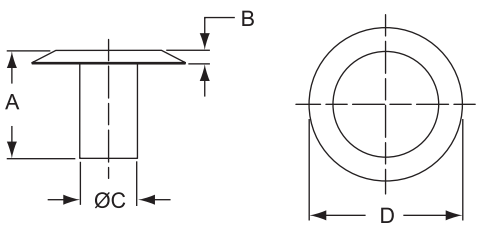
See page 1049 for machining services.

Part No.	Connector Nut Orientation	A	B	C	D	E	F	G	kg.	Machining Service	Compatibility Code*
13187	Vertical	15.00	19.00	5.50	52.00	6.00	8.00	11.20	.0500	7058, 40-7058	8-15, 8-40
13188	Horizontal							11.00			
14012*	Vertical	17.00	19.50	5.50	46.00	6.00	10.00	-	.0558	45-7058	10-45
14013*	Horizontal										

* These part numbers are not spring-loaded

Cover Cap For Central Connector
Nylon, Black

- **Covers the bore of the central connector shown above**
- **Press fit — use a soft faced mallet**



Part No.	A	B	C	D	kg.	Compatibility Code*
13001	12.00	1.50	6.40	17.00	.0010	10-45

* See Compatibility Code information on page 642.

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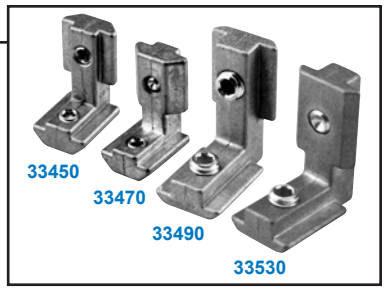
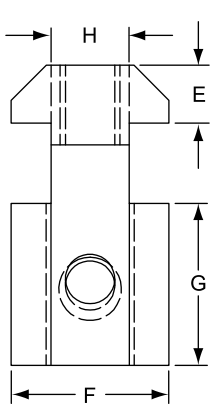
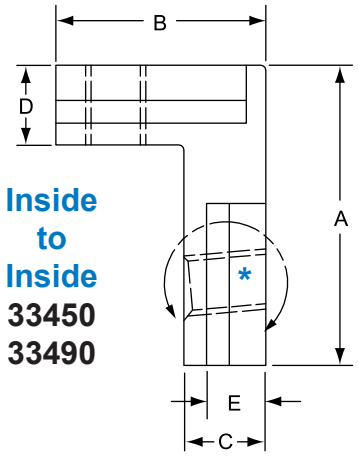
Hidden Corner Connectors

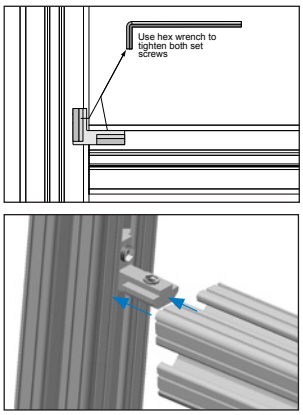
- Die-cast zinc, clear finish
- Provides a hidden 90° corner connection
- Included M6 or M8 set screws allow for easy installation
- Quick, easy connection for lightweight applications
- Required panel machining details on page 1075

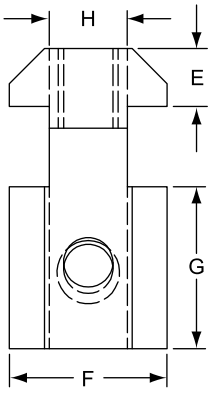


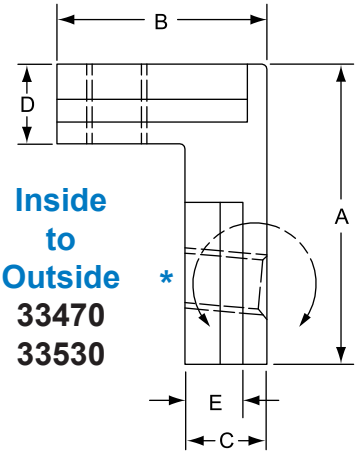




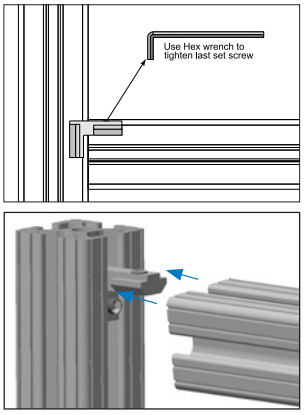
Inside to Inside
33450
33490







Inside to Outside
33470
33530

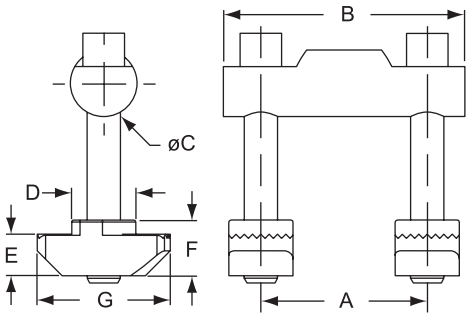


Part No.	Description	Slot	* Set Screw Size	Wrench Size	A	B	C	D	E	F	G	H	kg.	Compatibility Code
33450	Inside to Inside	8mm	M6	3mm	30.0	21.0	8.2	8.0	5.8	15.8	16.2	7.8	.0227	8-15, 8-30, 8-40
33470	Inside to Outside	8mm	M6	3mm	30.0	21.0	8.2	8.0	5.8	15.8	16.2	7.8	.0453	
33490	Inside to Inside	10mm	M8	4mm	38.0	32.0	10.0	9.0	4.0	19.5	22.9	9.8	.0249	10-45
33530	Inside to Outside	10mm	M8	4mm	38.0	32.0	10.0	9.0	4.0	19.5	22.9	9.8	.0431	

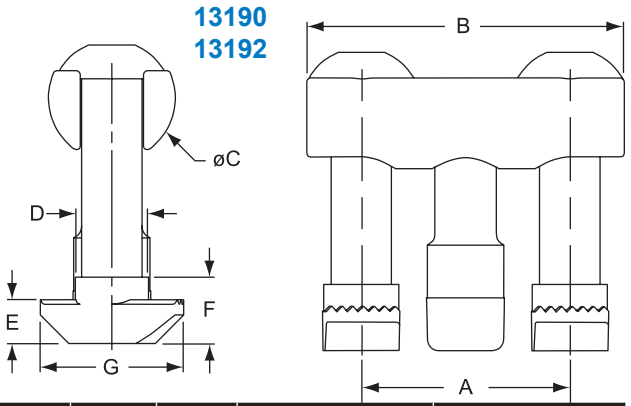
Bolt Connectors

- Very strong 90° connections of 30 and 45 Series profiles
- Refer to page 1048 for required machining services
- Materials:
  Bolt and screws: zinc-plated steel
  Housing: die-cast zinc
  Anti-slip: nylon, white

13189



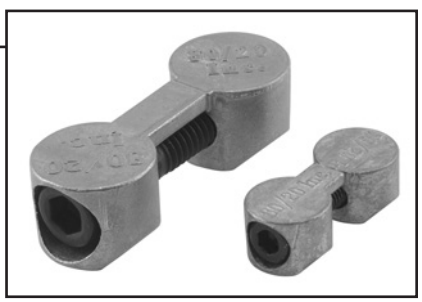
13190
13192



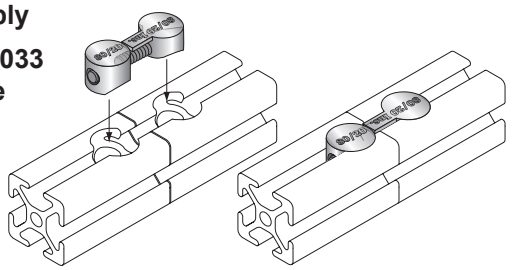
Part No.	A	B	C	D	E	F	G	SHCS	kg.	Machining Service	Compatibility Code*
13189	20.00	28.00	8.00	7.80	5.00	6.70	15.70	M4 x 25	.025	30-7034	8-30
13190	28.00	42.00	16.80	9.60	5.80	8.80	19.00	M8 x 35	.078	45-7034	10-45
13192	77.00	88.00	10.00	9.60	6.00	11.60	19.20	M8 x 35	.140	45-7037	10-45

* See Compatibility Code information on page 642.

Butt Fasteners



- Fastens two profiles end to end for maximum strength and near perfect alignment
- Connecting bolt included
- Provides a clean and flush connection where space restrictions apply
- Refer to page 1033 for counterbore machining specifications



Part No.	Finish	Series	kg.
25-3369	Zinc Casting w/ Lacquer Finish	25 Series	.0186
40-3370	Zinc Casting w/ Lacquer Finish	40 Series	.0612

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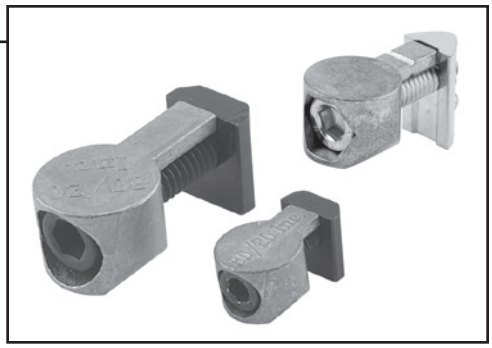
Anchor Fasteners

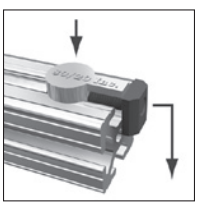


- **Strong 90° connector allows infinite adjustability along the T-slot**
- **Provides a vibration-proof, clean, and flush connection where space restrictions apply**
- **Creates 90º connections where T-slots are in alignment**
- **Refer to page 1033 for counterbore machining specifications**
- **Ships pre-assembled, saving you time ***

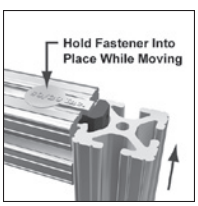
* See Compatibility Code information on page 642.

Part No.	Material	Bolt Type	T-Nut Type	kg.	Compatibility Code*
13183	Zinc Casting w/ Lacquer Finish	No Bolt	No T-Nut	.0034	5-20
13184	Zinc Casting w/ Lacquer Finish	M4 x 14mm	Roll-In	.0073	5-20
* 25-3396	Zinc Casting w/ Lacquer Finish	No Bolt	No T-Nut	.0072	6-25
25-3896	Zinc Casting w/ Lacquer Finish	M5 x 18mm	Slide-In	.0091	6-25
* 25-3392	Zinc Casting w/ Black Finish	M5 x 18mm	Slide-In	.0091	6-25
25-3363	Zinc Casting w/ Lacquer Finish	M5 x 18mm	Roll-In	.0091	6-25
13185	Zinc Casting w/ Lacquer Finish	No Bolt	No T-Nut	.0095	8-30
* 13186	Zinc Casting w/ Lacquer Finish	M6 x 22mm	Slide-In	.0186	8-30
40-3361	Zinc Casting w/ Lacquer Finish	No Bolt	No T-Nut	.0204	8-40
* 40-3897	Zinc Casting w/ Lacquer Finish	M8 x 30mm	Slide-In	.0454	8-40
40-3362	Zinc Casting w/ Lacquer Finish	M8 x 30mm	Roll-In	.0454	8-40
40-3354	Zinc Casting w/ Lacquer Finish	No Bolt	N/A	.0204	8-40

Anchor Fastener Assembly Steps



Step #1
Load the Anchor Fastener into the counterbore hole. Position the T-nut end flush with outside of profile.



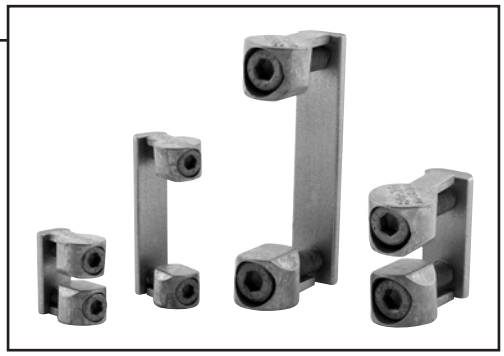
Step #2
Hold the Anchor Fastener in place while sliding the mating profile into position.

Step #3
Square and align the mating profile. Using a 6mm T-handle hex wrench, tighten the SHCS until the profiles are securely affixed.

www.8020.net/anchor.asp

80/20® Inc.
The Industrial Erector Set®
THE STANDARD

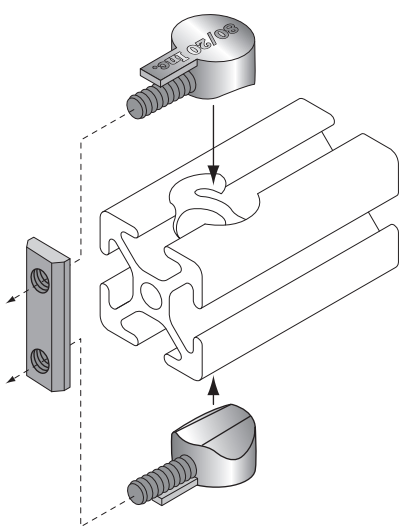
Double Anchor Fasteners

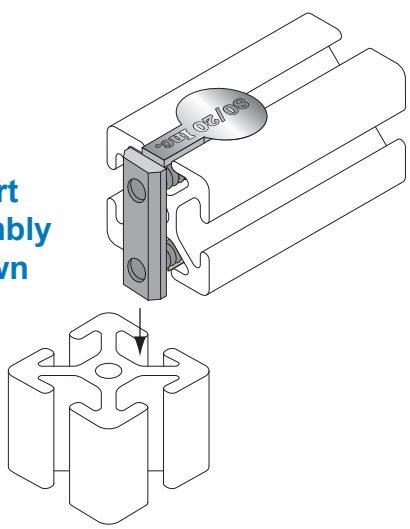


25-3094 Short | 25-3096 Long | 40-3102 Long | 40-3100 Short

- One of 80/20®'s strongest fastening options
- Allows infinite positioning along the T-slot
- Provides a vibration-proof, clean, flush connection where space restrictions apply
- Creates 90º connections where T-slots are in alignment
- Profile must have T-slots opposite each other
- Short assemblies mount across the 25mm dimension for 25 Series and 40mm dimension for 40 Series
- Long assemblies mount across the 50mm dimension for 25 Series and 80mm dimension for 40 Series
- Refer to page 1033 for counterbore machining specifications

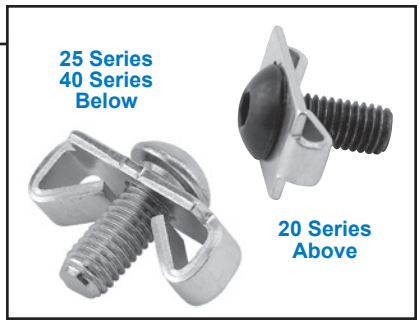
Part No.	Finish	Bolt Assembly (Included)	kg.	Profile Compatibility
25-3094	Zinc Casting w/ Lacquer Finish	M5 Short Assembly	.028	25-2525, 25-2503, 25-2504, 25-2550, 25-2576
25-3096	Zinc Casting w/ Lacquer Finish	M5 Long Assembly	.036	25-2550, 25-5050, 25-5010
40-3100	Zinc Casting w/ Lacquer Finish	M8 Short Assembly	.100	40-4040, 40-4040-Lite, 40-4003, 40-4004, 40-4080, 40-4080-Lite, 40-4012
40-3102	Zinc Casting w/ Lacquer Finish	M8 Long Assembly	.130	40-4080, 40-4080-Lite, 40-8080, 40-8016





Short Assembly Shown

Standard End Fasteners



- **Provides a clean and hidden method of connecting profiles at 90º without the use of joining plates**
- **Winged tabs of the clip prevents mating profile from rotating**
- **Mounting profile requires an end tap while the mating profile requires an access hole to reach the screw head**
- **Clip finish: bright zinc**
- **See page 1030 for tapping services and page 1031 for access hole services**

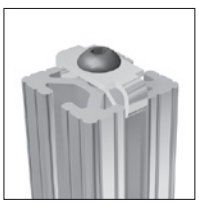
Part No.	Screw Included	Thread	kg.	Compatibility Code*
20-3681	No- Clip Only	—	.0018	5-20
20-3895	Yes (Black)	M5 x 12mm	.0039	5-20
25-3682	Yes (Stainless Steel)	M6 x 1.00	.0091	6-25
25-3895	Yes	M6 x 1.00	.0091	6-25
25-3681	No - Clip Only	—	.0045	6-25
40-3680	Yes (Stainless Steel)	M8 x 1.25	.0218	8-40
40-3891	Yes	M8 x 1.25	.0218	8-40
40-3679	No - Clip Only	—	.0113	8-40

* See Compatibility Code information on page 642.

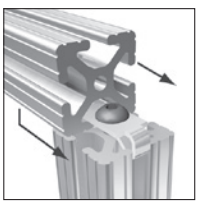
End Fastener Assembly Steps

Step #1
End fasteners are composed of a button head socket cap screw (BHSCS) and a wing clip.

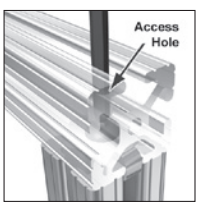
Step #2
Pre-assemble by placing the BHSCS through the hole in the wing clip as shown in the photo at left.



Step #3
Orient the wing clip in the direction of the mating profile's T-slot. Begin to screw the BHSCS into the tapped hole of the mounting profile. (Do NOT fully tighten)



Step #4
Slide the mating profile into place. When aligned, the access hole on the mating profile should align with the BHSCS.



Step #5
Place a T-handle hex wrench into the access hole until the wrench head inserts into the BHSCS. Tighten clockwise until secure.

www.8020.net/end.asp

Single Tab End Fasteners

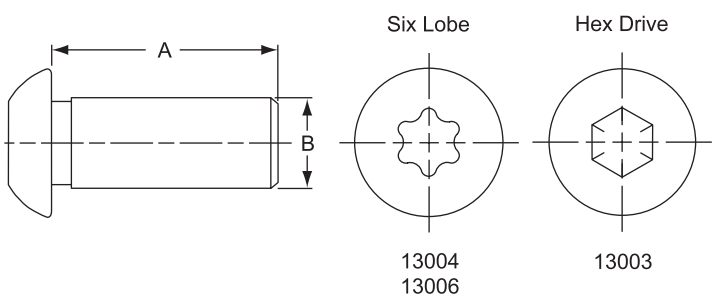
- Provides a clean and hidden method of connecting closed sided and quarter round profiles at 90º without the use of joining plates
- Winged tab of the clip prevents mating profile from rotating
- Mounting profile requires an end tap while the mating profile requires an access hole to reach the screw head
- See page 1030 for tapping services
See page 1031 for access hole services

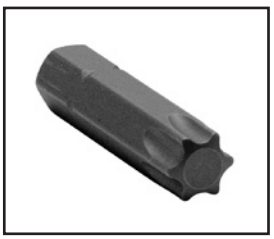
Part No.	Finish	Screw Included	Thread	kg.
25-3383	Bright Zinc	Yes	M6 x 1.00	.0071
25-3183	Bright Zinc	No	N/A	.0022
40-3389	Bright Zinc	Yes	M8 x 1.25	.0168
40-3189	Bright Zinc	No	N/A	.0065

Connecting Screws
Regular and Self-Tapping

13003 Hex Drive | 13004 Six Lobe Drive | 13006 Six Lobe Drive

- Regular connecting screws M12 x 30 mm, hex or six lobe drive, require tap and access hole machining services when used
- Self-tapping screw S12 x 30 mm does not require machining. The self-tapping operation must be done with a T40 or T50 six lobe power bit and drill
- Power Bit T40 - Part No. 65-6073
  Power Bit T50 - Part No. 65-6068





Six Lobe Power Bit

Part No.	Type	Drive	A	B	kg.	Compatibility Code
13003	Regular	Hex	30.00	M12	.036	10-45
13004	Regular	Six Lobe	30.00	M12	.036	10-45
13006	Self-Tapping	Six Lobe	30.00	S12	.032	10-45

* See Compatibility Code information on page 642.

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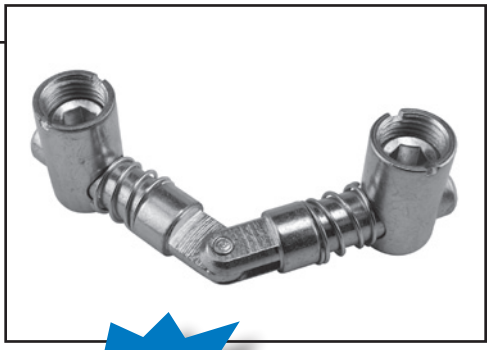
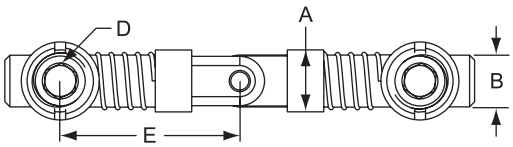
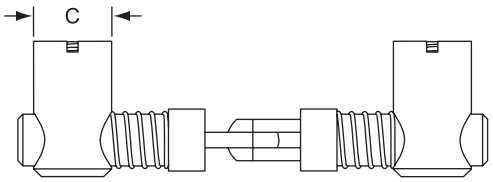
Miter Connector

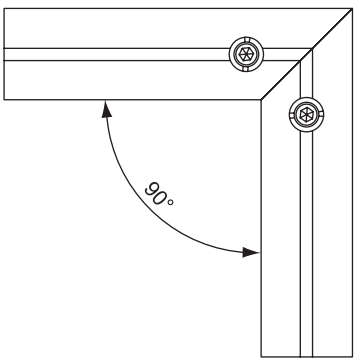
- **Strong, internal connector**
- **For use on square 15, 40 and 45 Series profiles**
- **Can be used in connection angles of 45° - 180°**
- **See page 1047 for machining details**

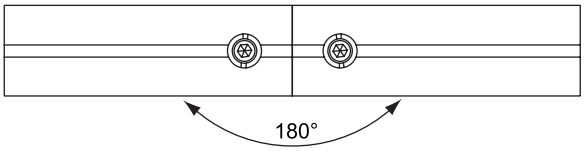


NEW!





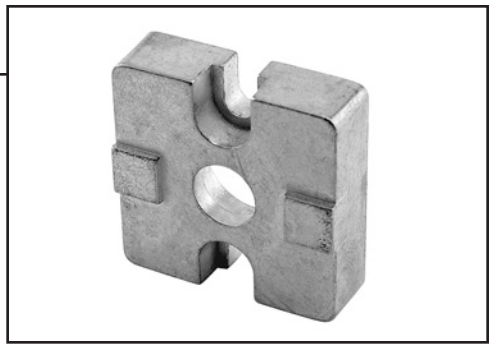




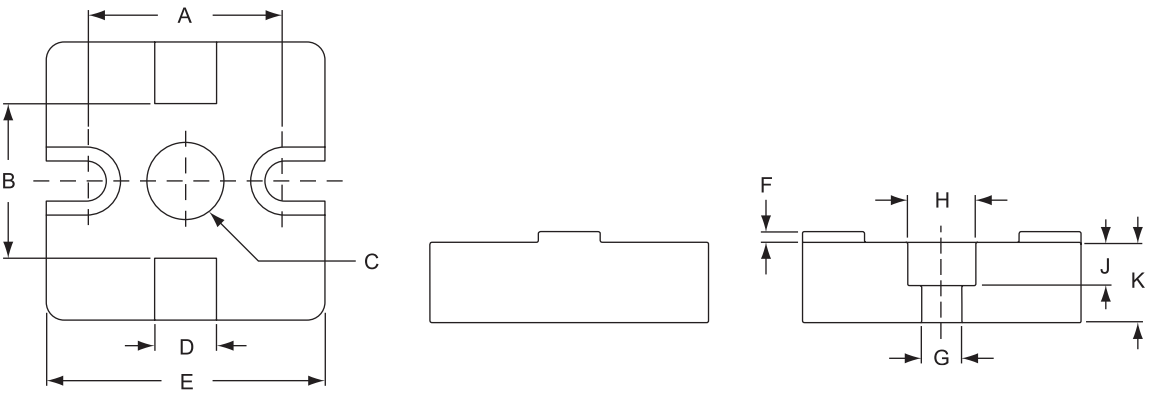
Part No.	A	B	C	D	E	kg.	Compatibile Profiles
13193	11.90	10.00	15.00	6mm Hex	33.20	.09	40-4040-UL, 40-4040-Lite, 40-4040, 40-4001, 40-4002, 40-4003,40-4004, 40-4030-Lite, 40-4045-Lite, 45-4545, 45-4545-Lite, 1515-UL, 1515-Lite, 1515, 1517, 1547, 1501, 1502, 1503, 1504, 1515-ULS, 1515-LS, 1515-S, 1517-LS, 1501-LS, 1502-LS, 1503-LS, 1504-LS,

* See Compatibility Code information on page 642.

Plate Connectors
Die-Cast Zinc



- M12 end tap is required
- Refer to page 1030 for end tap machining services
- Available with a natural finish or aluminum color powder coat
- Allow for plate thickness (13mm) when dimensioning frames



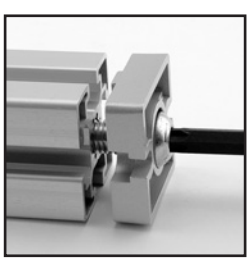
Part No.	Finish	A	B	C	D	E	F	G	H	J	K	kg.	Machining Service	Compatibility Code*
14137	Natural	32.00	25.00	12.50	10.00	45.00	1.70	6.50	11.00	7.00	13.00	.089	45-7053	10-45
14136	Aluminum Color	32.00	25.00	12.50	10.00	45.00	1.70	6.50	11.00	7.00	13.00	.089	45-7053	10-45

Recommended Bolt Assembly:

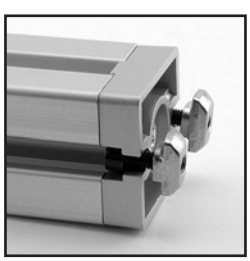
Part No.	Qty	Description
13004	1	M12 x 30mm Six Lobe Screw
11-6516	2	M6 x 16mm SHCS
13129	2	M6 Drop-In T-Nut

* See Compatibility Code information on page 642.

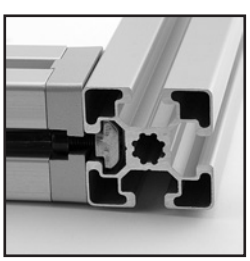
Refer to pages 1029-1030 for required machining services.



Attach plate with M12 x 30 mm BHSCS, Hex drive (13004).



Load M6 SHCS on both sides with T-nuts attached.



Position the other profile, align fasteners and tighten.

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Metric Screws, Washers, & Nuts (Blue-Coated)

Socket Head Cap Screws

Thread	Length	kg.	Lbs.	Part No.
M5 x 0.8	10mm	.0025	.0056	13-5510
	12mm	.0028	.0061	13-5512
	16mm	.0032	.0071	13-5516
	20mm	.0034	.0076	13-5520
	30mm	.0037	.0081	13-5530
M6 x 1.0	10mm	.0044	.0097	13-6510
	12mm	.0049	.0109	13-6512
	16mm	.0056	.0124	13-6516
	20mm	.0061	.0135	13-6520
	25mm	.0072	.0158	13-6525
	30mm	.0082	.0182	13-6530
	35mm	.0093	.0206	13-6535
	40mm	.0104	.0230	13-6540
M8 x 1.25	12mm	.0102	.0225	13-8512
	16mm	.0112	.0246	13-8516
	18mm	.0118	.0260	13-8518
	20mm	.0124	.0279	13-8520
	22mm	.0130	.0294	13-8522
	25mm	.0140	.0310	13-8525
	30mm	.0159	.0351	13-8530
	35mm	.0180	.0397	13-8535
	40mm	.0204	.0450	13-8540
	50mm	.0234	.0517	13-8550
M10 x 1.5	20mm	.0172	.0380	13-1520
	25mm	.0195	.0430	13-1525

Flat Head Socket Cap Screws

Thread	Length	kg.	Lbs.	Part No.
M5 x 0.8	12mm	.0027	.0060	13-5712
M6 x 1.0	10mm	.0030	.0066	13-6710
	12mm	.0034	.0074	13-6712
	16mm	.0041	.0090	13-6716
M8 x 1.25	12mm	.0060	.0133	13-8712
	16mm	.0070	.0154	13-8716
	20mm	.0079	.0175	13-8720
M10 x 1.5	16mm	.0122	.0270	13-1716

Button Head Socket Cap Screws

Thread	Length	kg.	Lbs.	Part No.
M5 x 0.8	10mm	.0018	.0039	13-5310
	12mm	.0021	.0046	13-5312
	16mm	.0024	.0053	13-5316
	20mm	.0027	.0060	13-5320
M6 x 1.0	10mm	.0030	.0066	13-6310
	12mm	.0036	.0079	13-6312
	16mm	.0043	.0095	13-6316
	20mm	.0049	.0108	13-6320
	25mm	.0056	.0124	13-6325
M8 x 1.25	12mm	.0066	.0146	13-8312
	16mm	.0078	.0171	13-8316
	20mm	.0087	.0191	13-8320
	25mm	.0105	.0231	13-8325

Flat Washers

Size	kg.	Lbs.	Part No.
M5	.0008	.0018	13-6040
M6	.0010	.0020	13-6041
M8	.0018	.0040	13-6042
M10	.0028	.0061	13-6043
M12	.0038	.0083	13-6044

Hex Nuts

Thread	kg.	Lbs.	Part No.
M5 x 0.8	.0016	.0035	13-5065
M6 x 1.0	.0021	.0046	13-6065
M8 x 1.25	.0047	.0105	13-8065
M12 x 1.75	.0086	.0190	13-2065

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Metric Screws, Washers, & Nuts (Black-Coated)

Socket Head Cap Screws

Thread	Length	kg.	Lbs.	Part No.
M4 x 0.7	16mm	.0021	.0048	11-4516
M5 x 0.8	10mm	.0025	.0056	11-5510
	12mm	.0028	.0061	11-5512
	16mm	.0032	.0071	11-5516
	20mm	.0034	.0076	11-5520
M6 x 1.0	10mm	.0044	.0097	11-6510
	12mm	.0049	.0109	11-6512
	14mm	.0049	.0110	11-6514
	16mm	.0056	.0124	11-6516
	18mm	.0058	.0128	11-6518
	20mm	.0061	.0135	11-6520
	25mm	.0072	.0158	11-6525
	30mm	.0082	.0182	11-6530
	35mm	.0093	.0206	11-6535
	40mm	.0104	.0230	11-6540
M8 x 1.25	12mm	.0102	.0225	11-8512
	16mm	.0112	.0246	11-8516
	18mm	.0120	.0266	11-8518
	20mm	.0124	.0274	11-8520
	25mm	.0140	.0310	11-8525
	30mm	.0159	.0351	11-8530
	35mm	.0180	.0379	11-8535
	40mm	.0204	.0450	11-8540

Flat Head Socket Cap Screws

Thread	Length	kg.	Lbs.	Part No.
M4 x 0.7	10mm			11-4710
	12mm			11-4712
M5 x 0.8	8mm			11-5708
	10mm			11-5710
	12mm			11-5712
	14mm			11-5714
	16mm			11-5716
M6 x 1.0	14mm			11-6714
	16mm			11-6716
	18mm			11-6718
	20mm			11-6720
M8 x 1.25	16mm			11-8716
	20mm			11-8720

Button Head Socket Cap Screws

Thread	Length	kg.	Lbs.	Part No.
M5 x 0.8	8mm			11-5308
	10mm	.0018	.0039	11-5310
	12mm	.0021	.0046	11-5312
	14mm			11-5314
	16mm	.0024	.0053	11-5316
M6 x 1.0	10mm	.0030	.0066	11-6310
	12mm	.0036	.0079	11-6312
	14mm			11-6314
	16mm	.0043	.0095	11-6316
	18mm			11-6318
	20mm	.0049	.0108	11-6320
M8 x 1.25	12mm	.0066	.0146	11-8312
	16mm	.0078	.0171	11-8316
	18mm			11-8318
	20mm	.0087	.0191	11-8320
	25mm	.0105	.0231	11-8325

Flat Washers

Size	kg.	Lbs.	Part No.
M4	.0004	.0009	11-6039
M5	.0007	.0015	11-6040
M6	.0010	.0022	11-6041
M8	.0018	.0040	11-6042

Hex Nuts

Thread	kg.	Lbs.	Part No.
M4 x 0.7	.0010	.0022	11-4065
M5 x 0.8	.0015	.0033	11-5065
M6 x 1.0	.0021	.0046	11-6065
M8 x 1.25	.0047	.0105	11-8065
M10 x 1.5	.0067	.0147	11-1065

Metric Screws, Washers, & Nuts (Stainless Steel)

Socket Head Cap Screws

Thread	Length	kg.	Lbs.	Part No.
M5 x 0.8	10mm	.0024	.0054	17-5510
	12mm	.0028	.0063	17-5512
	16mm	.0033	.0072	17-5516
	20mm	.0037	.0081	17-5520
M6 x 1.0	10mm	.0045	.0099	17-6510
	12mm	.0048	.0104	17-6512
	16mm	.0056	.0123	17-6516
	20mm	.0065	.0143	17-6520
M8 x 1.25	12mm	.0090	.0199	17-8512
	16mm	.0101	.0222	17-8516
	20mm	.0111	.0245	17-8520
	25mm	.0125	.0276	17-8525
	30mm	.0157	.0348	17-8530
	35mm	.0130	.0397	17-8535
	40mm	.0204	.0450	17-8540

Flat Head Socket Cap Screws

Thread	Length	kg.	Lbs.	Part No.
M6 x 1.0	12mm	.0032	.0070	17-6712

Button Head Socket Cap Screws

Thread	Length	kg.	Lbs.	Part No.
M5 x 0.8	10mm	.0019	.0043	17-5310
	12mm	.0023	.0050	17-5312
	16mm	.0026	.0057	17-5316
M6 x 1.0	10mm	.0033	.0074	17-6310
	12mm	.0037	.0081	17-6312
	16mm	.0044	.0098	17-6316
	20mm	.0050	.0110	17-6320
M8 x 1.25	12mm	.0068	.0150	17-8312
	16mm	.0077	.0171	17-8316
	20mm	.0087	.0192	17-8320
	25mm	.0105	.0233	17-8325

Flat Washers

Size	kg.	Lbs.	Part No.
M6	.0013	.0028	17-6041
M8	.0021	.0047	17-6042

Hex Nuts

Thread	kg.	Lbs.	Part No.
M6 x 1.0	.0019	.0042	17-6065
M8 x 1.25	.0046	.0101	17-8065
M10 x 1.5	.0065	.0143	17-1065

Button Head Socket Cap Screw (BHSCS)

Socket Head Cap Screw (SHCS)

Flat Head Socket Cap Screw (FHSCS)

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Metric Screws, Washers, & Nuts (Bright Zinc)

Button Head Socket Cap Screws

Thread	Length	kg.	Lbs.	Part No.
M6 x 1.0	12mm	.0034	.0074	19-6312
	16mm	.0040	.0088	19-6316
	20mm	.0047	.0105	19-6320
	25mm	.0056	.0124	19-6325
M8 x 1.25	12mm	.0070	.0150	19-8312
	16mm	.0081	.0179	19-8316
	20mm	.0091	.0201	19-8320
	25mm	.0110	.0242	19-8325

Socket Head Cap Screws

Thread	Length	kg.	Lbs.	Part No.
M6 x 1.0	12mm	.0050	.0106	19-6512
	16mm	.0054	.0120	19-6516
	20mm	.0060	.0128	19-6520
	25mm	.0070	.0152	19-6525
M8 x 1.25	12mm	.0102	.0225	19-8512
	16mm	.0112	.0246	19-8516
	20mm	.0124	.0274	19-8520
	25mm	.0140	.0310	19-8525
	30mm	.0160	.0351	19-8530

Slide-In Economy T-Slot Studs

Thread	Length	kg.	Lbs.	Part No.
M8 x 1.25	20mm	.0142	.0313	19-8920
	25mm	.0153	.0338	19-8925
	30mm	.0169	.0373	19-8930
	35mm	.0194	.0427	19-8935
	45mm	.0213	.0470	19-8945

Flat Washers

Size	kg.	Lbs.	Part No.
M6	.0010	.0022	19-6041
M8	.0018	.0040	19-6042

Hex Nuts

Thread	kg.	Lbs.	Part No.
M6 x 1.0	.0021	.0046	19-6065
M8 x 1.25	.0047	.0105	19-8065
M10 x 1.5	.0065	.0143	19-1065

Slide-In Economy T-Nuts

Thread	kg.	Lbs.	Part No.
M4 x 0.7	.0035	.0078	25-1941
M5 x 0.8	.0037	.0080	25-1951
M6 x 1.0	.0042	.0093	25-1961
M6 x 1.0	.0080	.0177	40-1961
M8 x 1.25	.0093	.0206	40-1981

Double Slide-In Economy T-Nuts

Thread	kg.	Lbs.	Part No.
M6 x 1.0	.0090	.0198	25-1962
M8 x 1.25	.0280	.0625	40-1982

Slide-In T-Nuts

Thread	kg.	Lbs.	Part No.
M5 x 0.8	.0045	.010	25-3206
M5 x 0.8	.0045	.010	25-1954
M6 x 1.0	.0045	.010	25-1964
M6 x 1.0	.0091	.020	40-1964
M8 x 1.25	.0091	.020	40-1984

Roll-In T-Nuts - Flex Handle

Thread	kg.	Lbs.	Part No.
M5 x 0.8	.0045	.0100	25-1956
M6 x 1.0	.0038	.0083	25-1966
M6 x 1.0	.0106	.0233	40-1966
M8 x 1.25	.0103	.0228	40-1986

Roll-In T-Nuts - Set Screw

Thread	kg.	Lbs.	Part No.
M6 x 1.0	.0118	.026	40-1968
M8 x 1.25	.0113	.025	40-1988

Roll-In T-Nuts with Ball Spring

Thread	kg.	Lbs.	Part No.
M5	.0127	.028	40-3913
M6	.0118	.026	40-3914
M8	.0118	.026	40-3915

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Fractional Screws, Washers, & Nuts (Black Zinc)

Button Head Socket Cap Screws

Thread	Length	kg.	Lbs.	Part No.
1/4-20	3/8"	.0029	.0065	65-3059
	1/2"	.0036	.0080	65-3061
	5/8"	.0043	.0095	65-3063
	3/4"	.0049	.0109	65-3065
5/16-18	1/2"	.0067	.0147	65-3104
	5/8"	.0077	.0170	65-3111
	3/4"	.0087	.0191	65-3114
	1"	.0106	.0233	65-3118

Socket Head Cap Screws

Thread	Length	kg.	Lbs.	Part No.
1/4-20	3/8"	.0044	.0096	65-3058
	1/2"	.0050	.0110	65-3062
	5/8"	.0056	.0124	65-3067
	3/4"	.0062	.0136	65-3064
	1"	.0072	.0159	65-3071
5/16-18	1/2"	.0088	.0194	65-3106
	5/8"	.0098	.0217	65-3110
	3/4"	.0108	.0237	65-3112
	1"	.0125	.0276	65-3122
	1 1/4"	.0146	.0323	65-3123

Slide-In Economy T-Slot Studs

Thread	Length	kg.	Lbs.	Part No.
5/16-18	3/4"	.0117	.0257	40-3116
	1"	.0139	.0308	40-3120
	1 1/4"	.0156	.0345	40-3126
	1 1/2"	.0177	.0391	40-3134
	2"	.0225	.0496	40-3290

Flat Washers

Size	kg.	Lbs.	Part No.
1/4	.0017	.0037	65-3258
5/16	.0020	.0045	65-3260

Hex Nuts

Thread	kg.	Lbs.	Part No.
1/4-20	.0032	.0070	65-3208
5/16-18	.0047	.0103	65-3214

Slide-In Economy T-Nuts

Thread	kg.	Lbs.	Part No.
1/4-20	.0041	.0091	25-3382
	.0054	.0120	40-3286
5/16-18	.0093	.0206	40-3278

Slide-In T-Nuts

Thread	kg.	Lbs.	Part No.
1/4-20	.0045	.010	25-3204
	.0090	.020	40-3202
5/16-18	.0090	.020	40-3203

Roll-In T-Nuts - Flex Handle

Thread	kg.	Lbs.	Part No.
1/4-20	.0037	.0081	25-3376
	.0109	.0241	40-3283
5/16-18	.0103	.0227	40-3282

Roll-In T-Nuts - Set Screw

Thread	kg.	Lbs.	Part No.
10-32	.0036	.0079	25-3312
1/4-20	.0036	.0079	25-3313
	.0122	.0269	40-3310
5/16-18	.0118	.0260	40-3311

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Bolt Assemblies

Metric (Blue Screws & Bright Zinc T-Nuts)

Thread	Screw Type	Length	Economy T-Nut	kg.	Lbs.	Drop-In T-Nut	kg.	Lbs.	Hex Nut	Washer
M5 x 0.8	SHCS	10mm	75-3401	.0063	.0138	–	–	–	–	–
	SHCS	12mm	75-3402	.0074	.0141	–	–	–	–	–
	SHCS	16mm	75-3403	.0068	.0157	–	–	–	–	–
	SHCS, Washer	16mm	–	.0072	.0159	–	–	–	75-3400	–
M6 x 1.0	BHSCS	10mm	75-3404	.0073	.0160	75-3435	.0068	.0150	–	–
	BHSCS	12mm	75-3405	.0076	.0167	75-3436	.0071	.0157	–	–
	BHSCS	16mm	75-3406	.0083	.0183	75-3437	.0078	.0173	–	75-3477
	BHSCS	20mm	75-3407	.0091	.0200	75-3438	.0086	.0190	–	–
	BHSCS, Washer	12mm	75-3408	.0086	.0189	75-3439	.0081	.0179	75-3466	–
	BHSCS, Washer	16mm	75-3409	.0093	.0205	75-3440	.0088	.0195	75-3467	–
	BHSCS, Washer	20mm	75-3410	.0101	.0222	75-3441	.0096	.0212	75-3468	–
	SHCS	10mm	75-3411	.0087	.0191	75-3442	.0082	.0181	–	–
	SHCS	12mm	75-3412	.0089	.0197	75-3443	.0084	.0187	–	–
	SHCS	16mm	75-3413	.0098	.0216	75-3444	.0093	.0106	–	–
	SHCS	20mm	75-3414	.0103	.0227	75-3445	.0098	.0217	–	–
	SHCS	25mm	75-3415	.0114	.0252	75-3446	.0110	.0242	–	–
	SHCS	30mm	75-3416	.0126	.0279	75-3447	.0122	.0269	–	–
	SHCS	35mm	75-3417	.0144	.0318	75-3448	.0140	.0308	–	–
	SHCS	40mm	75-3418	.0148	.0326	75-3449	.0143	.0316	–	–
	SHCS, Washer	12mm	75-3419	.0099	.0219	75-3450	.0095	.0209	75-3469	–
	SHCS, Washer	16mm	75-3420	.0108	.0238	75-3451	.0103	.0228	75-3470	–
M8 x 1.25	BHSCS	12mm	75-3421	.0162	.0358	75-3452	.0177	.0380	–	–
	BHSCS	16mm	75-3422	.0176	.0388	75-3453	.0136	.0410	–	–
	BHSCS	20mm	75-3423	.0180	.0397	75-3454	.0190	.0419	–	75-3478
	BHSCS	25mm	75-3424	.0198	.0437	75-3455	.0208	.0459	–	–
	BHSCS, Washer	16mm	75-3425	.0194	.0428	75-3456	.0204	.0450	75-3471	–
	BHSCS, Washer	20mm	75-3426	.0198	.0437	75-3457	.0208	.0459	75-3472	–
	BHSCS, Washer	25mm	75-3427	.0216	.0477	75-3458	.0226	.0499	75-3473	–
	SHCS	12mm	75-3428	.0196	.0431	75-3459	.0205	.0453	–	–
	SHCS	16mm	75-3429	.0205	.0452	75-3460	.0215	.0474	–	–
	SHCS	20mm	75-3430	.0218	.0480	75-3461	.0227	.0502	–	–
	SHCS	25mm	75-3431	.0234	.0516	75-3462	.0244	.0538	–	–
	SHCS, Washer	16mm	75-3432	.0223	.0492	75-3463	.0233	.0514	75-3474	–
	SHCS, Washer	20mm	75-3433	.0235	.0520	75-3464	.0296	.0592	75-3475	–
	SHCS, Washer	25mm	75-3434	.0252	.0556	75-3465	.0262	.0578	75-3476	–

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Bolt Assemblies Continued

Slide-In Economy T-Slot Studs (Bright Zinc)

Thread	Screw Type	Length	kg.	Lbs.	Hex Nut
M8 x 1.25	T-Slot Stud, Washer	20mm	.0208	.0458	75-3500
		25mm	.0220	.0486	75-3501
		30mm	.0235	.0518	75-3502
		35mm	.0262	.0578	75-3503
		45mm	.0279	.0615	75-3504

Roll-In T-Nut Assemblies (Blue Screw & Bright Zinc T-Nut)

Thread	Screw Type	Length	kg.	Lbs.	Part No.
M6 x 1.0	FHSCS	12mm	.0071	.0157	75-3505
M8 x 1.25	FHSCS	16mm	.0173	.0382	75-3506

Slide-In Economy T-Nut Assemblies (Blue Screw & Bright Zinc T-Nut)

Thread	Screw Type	Length	kg.	Lbs.	Part No.
M6 x 1.0	FHSCS	12mm	.0076	.0167	75-3507
M8 x 1.25	FHSCS	16mm	.0163	.0360	75-3508

Double Slide-In Economy T-Nut Assemblies (Blue Screw & Bright Zinc T-Nut)

Thread	Screw Type	Length	kg.	Lbs.	Part No.
M6 x 1.0	BHSCS (2)	10mm	.0145	.0320	75-3509
	BHSCS (2)	12mm	.0161	.0356	75-3510
	BHSCS, Washers (2)	12mm	.0177	.0390	75-3511
M8 x 1.25	BHSCS (2)	12mm	.0416	.0917	75-3512
	BHSCS (2)	16mm	.0439	.0967	75-3513
	BHSCS, Washers (2)	16mm	.0475	.1047	75-3514

Cap Screws (Black Screw & Bright Zinc T-Nut)

Thread	Screw Type	Length	kg.	Lbs.	Part No.
M6 x 1.0	SHCS	10mm	.0087	.0191	75-3520
	SHCS	12mm	.0089	.0197	75-3521
	SHCS	16mm	.0098	.0216	75-3522
	SHCS	20mm	.0103	.0227	75-3523
	SHCS	25mm	.0114	.0252	75-3524
	BHSCS	10mm	.0073	.0160	75-3515
	BHSCS	12mm	.0076	.0167	75-3516
	BHSCS	16mm	.0083	.0183	75-3517
	BHSCS, Washer	12mm	.0086	.0189	75-3518
	BHSCS, Washer	16mm	.0093	.0205	75-3519
M8 x 1.25	BHSCS	12mm	.0162	.0358	75-3525
	BHSCS	16mm	.0176	.0388	75-3526
	BHSCS	20mm	.0180	.0397	75-3527
	BHSCS, Washer	16mm	.0194	.0428	75-3528
	BHSCS, Washer	20mm	.0198	.0437	75-3529
	SHCS	12mm	.0196	.0431	75-3530
	SHCS	16mm	.0205	.0452	75-3531
	SHCS	18mm	.0211	.0466	75-3634
	SHCS	20mm	.0218	.0480	75-3532
	SHCS	25mm	.0234	.0516	75-3533
	SHCS, Washer	16mm	.0306	.0674	75-3534
	SHCS, Washer	20mm	.0329	.0726	75-3535
	SHCS, Washer	25mm	.0346	.0762	75-3536

Bolt Assemblies Continued

Fractional (Black)

Thread	Screw Type	Length	Economy T-Nuts	kg.	Lbs.	Drop-In T-Nuts	kg.	Lbs.
1/4-20	BHSCS	1/2"	75-3800	.0077	.0171	75-3801	.0073	.0161
	BHSCS	5/8"	75-3802	.0090	.0198	75-3803	.0085	.0188
	BHSCS	3/4"	75-3804	.0101	.0223	75-3805	.0097	.0213
	BHSCS, Washer	1/2"	75-3806	.0094	.0208	75-3807	.0090	.0198
	BHSCS, Washer	5/8"	75-3808	.0101	.0223	75-3809	.0097	.0213
	BHSCS, Washer	3/4"	75-3810	.0118	.0260	75-3811	.0113	.0250
	SHCS	1/2"	75-3812	.0091	.0201	75-3813	.0087	.0191
	SHCS	5/8"	75-3814	.0096	.0212	75-3815	.0092	.0202
	SHCS	3/4"	75-3816	.0101	.0223	75-3817	.0097	.0213
	SHCS	1"	75-3818	.0114	.0251	75-3819	.0109	.0241
	SHCS, Washer	1/2"	75-3820	.0108	.0238	75-3821	.0103	.0228
	SHCS, Washer	5/8"	75-3822	.0114	.0252	75-3823	.0111	.0242
	SHCS, Washer	3/4"	75-3824	.0121	.0266	75-3825	.0116	.0256
5/16-18	BHSCS	5/8"	75-3826	.0171	.0376	75-3827	.0181	.0398
	BHSCS	3/4"	75-3828	.0180	.0397	75-3829	.0190	.0419
	BHSCS	1"	75-3830	.0200	.0439	75-3831	.0209	.0461
	BHSCS, Washer	5/8"	75-3832	.0183	.0403	75-3833	.0193	.0425
	BHSCS, Washer	3/4"	75-3834	.0198	.0437	75-3835	.0208	.0459
	BHSCS, Washer	1"	75-3836	.0232	.0512	75-3837	.0242	.0534
	SHCS	1/2"	75-3838	.0181	.0398	75-3839	.0191	.0420
	SHCS	5/8"	75-3840	.0191	.0421	75-3841	.0201	.0443
	SHCS	3/4"	75-3842	.0204	.0450	75-3843	.0214	.0472
	SHCS	1"	75-3844	.0230	.0508	75-3845	.0240	.0530
	SHCS, Washer	5/8"	75-3846	.0212	.0468	75-3847	.0222	.0490
	SHCS, Washer	3/4"	75-3848	.0220	.0485	75-3849	.0230	.0507
	SHCS, Washer	1"	75-3850	.0239	.0528	75-3851	.0250	.0550

Metric (Black)

Bolt Kit Part No.	Screw Type	Screw Part No.	Nut Part No.	Washer
75-3401	M5 x 10mm SHCS	13-5510	25-1951	no
75-3481	M5 x 20mm SHCS	11-5520	13127	11-6040
75-3482	M6 x 18mm BHSCS	11-6318	13129	no
75-3483	M5 x 16mm SHCS	11-5516	13116	11-6040
75-3520	M6 x 10mm SHCS	11-6510	3859	no
75-3523	M6 x 20mm SHCS	11-6520	3859	no
75-3553	M4 x 20mm SHCS	11-4520	14164	no
75-3552 (20)	M4 x 10mm FHSCS	11-4710	14159	no
75-3556	M4 x 10mm SHCS	11-4510	14164	no
75-3558	M4 x 16mm SHCS	11-4516	11-4065	11-6039
75-3560	M4 x 12mm SHCS	11-4512	13114	no
75-3562	M4 x 12mm FHSCS	11-4712	11-4065	11-6039
75-3563 (45)	M4 x 12mm SHCS	11-4512	13123	no

Bolt Assemblies Continued

Bolt Kit Part No.	Screw Type	Screw Part No.	Nut Part No.	Washer
75-3571 (20)	M5 x 8mm FHSCS	11-5708	14122	no
75-3572 (20)	M5 x 10mm FHSCS	11-5710	14122	no
75-3573	M5 x 14mm FHSCS	11-5714	11-5065	11-6040
75-3574 (30)	M5 x 14mm FHSCS	11-5714	13115	no
75-3575 (30)	M5 x 16mm FHSCS	11-5716	13115	no
75-3576	M5 x 14mm BHSCS	11-5314	11-5065	11-6040
75-3578 (20)	M5 x 12mm SHCS	11-5512	14122	no
75-3581 (20)	M5 x 8mm BHSCS	11-5308	14122	no
75-3583 (30)	M5 x 12mm BHSCS	11-5312	13115	no
75-3584	M6 x 14mm FHSCS	11-6714	25-1964	no
75-3585 (30)	M6 x 14mm FHSCS	11-6714	13117	no
75-3586	M6 x 18mm FHSCS	11-6718	13119	no
75-3587 (45)	M6 x 18mm FHSCS	11-6718	13129	no
75-3588 (45)	M6 x 20mm FHSCS	11-6720	13129	no
75-3589	M6 x 20mm FHSCS	11-6720	11-6065	11-6041
75-3590 (30)	M6 x 10mm SHCS	11-6510	13117	no
75-3591	M6 x 16mm FHSCS	11-6716	13119	no
75-3592	M6 x 14mm SHCS	11-6514	25-1964	no
75-3593 (30)	M6 x 14mm SHCS	11-6514	13117	no
75-3594 (45)	M6 x 14mm SHCS	11-6514	13129	no
75-3595 (30)	M6 x 16mm SHCS	11-6516	13117	no
75-3596 (30)	M6 x 18mm SHCS	11-6518	13117	no
75-3597 (45)	M6 x 20mm SHCS	11-6520	13129	no
75-3599 (30)	M6 x 10mm BHSCS	11-6310	13117	no
75-3600 (30)	M6 x 12mm BHSCS	11-6312	13117	no
75-3601	M6 x 14mm BHSCS	11-6314	13119	no
75-3602 (45)	M6 x 14mm BHSCS	11-6314	13129	no
75-3603	M6 x 14mm BHSCS	11-6314	11-6065	no
75-3605	M6 x 18mm BHSCS	11-6318	11-6065	11-6041
75-3616	M6 x 14mm FHSCS	11-6714	25-1964	no
75-3617	M8 x 20mm FHSCS	11-8720	11-8065	no
75-3618 (40)	M8 x 16mm FHSCS	11-8716	40-1981	no
75-3619 (45)	M8 x 18mm BHSCS	11-8318	13132	no
75-3621	M8 x 16mm SHCS	11-8516	40-1981	no
75-3622	M6 x 14mm BHSCS	11-6314	13119	no
75-3623 (45)	M8 x 16mm SHCS	11-8516	13132	no
75-3624	M8 x 12mm SHCS	11-8512	13025	no
75-3625	M8 x 16mm SHCS	11-8516	13025	no
75-3626 (45)	M8 x 18mm SHCS	11-8518	13132	no
75-3627	M8 x 18mm SHCS	11-8518	13025	no
75-3628	M6 x 18mm FHSCS	11-6718	13119	no
75-3629	M8 x 16mm FHSCS	11-8716	13025	no
75-3630 (45)	M8 x 20mm SHCS	11-8520	13132	no
75-3632	M8 x 20mm Drop-In T-Stud	13169	13-3759	no
75-3633	M6 x 20mm Drop-In T-Stud	13134	14156	no
75-3635	M8 x 25mm Drop-In T-Stud	13171	13-3759	no
75-3636	M6 x 25mm Drop-In T-Stud	13136	14156	no
75-3638	M8 x 30mm Drop-In T-Stud	13173	13-3759	no
75-3639	M6 x 30mm Drop-In T-Stud	13138	14156	no

80/20® Inc.
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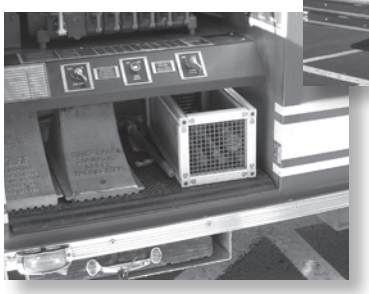
THE STANDARD

Emergency Vehicle Solutions by 80/20®

- **Firefighter equipment conveniently and securely stowed in the vehicle**
- **Quick, easy access to equipment**



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Section #4 Pictorial Table Of Contents

How To Order

Page 755

Bolt Pattern Dimensions

Page 756

Bolt Kit Tables

Page 757

Legend of Icons

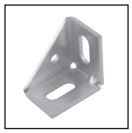
Page 757

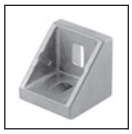
2 Hole Inside Corner Brackets

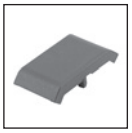
Page 758

2 Hole Slotted Corner Brackets

Page 759

2 Hole Inside Corner Brackets

Page 759

2 Hole Inside Corner Brackets

Page 760

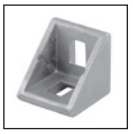
Cover Cap for Inside Corner Brackets

Page 760

2 Hole Inside Corner Brackets

Page 761

Cover Cap for Inside Corner Brackets

Page 761

2 Hole Inside Corner Brackets

Page 762

Cover Cap for Inside Corner Brackets

Page 762

2 Hole Inside Corner Brackets

Page 763

Cover Cap for Inside Corner Brackets

Page 763

2 Hole Inside Corner Brackets

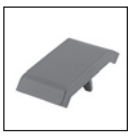
Page 764

Cover Cap for Inside Corner Brackets

Page 764

2 Hole Inside Corner Brackets

Page 765

Cover Cap for Inside Corner Brackets

Page 765

2 Hole Transition Brackets

Page 766

3 Hole Inside Corner Brackets

Page 767

3 Hole Slotted Corner Brackets

Page 767

4 Hole Inside Corner Brackets

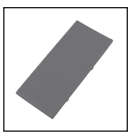
Page 768

4 Hole Inside Corner Brackets

Page 769

4 Hole Inside Corner Brackets

Page 770

Cover Cap for Inside Corner Brackets

Page 770

4 Hole Transition Brackets

Page 771

4 Hole Slotted Corner Brackets

Page 772

6 Hole Slotted Corner Brackets

Page 772

6 Hole Inside Corner Brackets

Pages 773-774

8 Hole Inside Corner Brackets

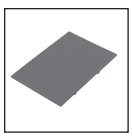
Page 775

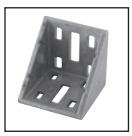
8 Hole Transition Brackets

Page 775

8 Hole Inside Corner Brackets

Page 776

Cover Cap for Inside Corner Brackets

Page 776

8 Hole Inside Corner Brackets

Page 777

Cover Cap for Inside Corner Brackets

Page 777

8 Hole Inside Corner Brackets

Page 778

8 Hole Inside Corner Brackets

Page 778

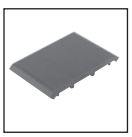
Cover Cap for Inside Corner Brackets

Page 778

Table Of Contents Continued

80/20® Inc.
*The **Industrial** Erector Set®*
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Section #4 Pictorial Table Of Contents

2, 4 & 8 Hole Corner Gussets

Pages 779-780

2 Hole Joining Strips

Page 781

2 Hole Transition Strips

Page 781

3 Hole Joining Strips

Page 782

3 Hole Transition Strips

Page 783

4 Hole Joining Strips & Plates

Page 784

6 Hole Joining Plates

Page 785

8 Hole Joining Plates

Page 785

4 Hole 90° Joining Plates

Page 786

5 Hole 90° Joining Plates

Page 787

6 Hole 90° Joining Plates

Page 788

7 Hole 90° Joining Plates

Pages 788-789

12 Hole 90° Joining Plates

Page 789

Tee Plates

Pages 790-793

Cross Plates

Pages 794-795

15° Angle Joining Plates

Page 795

30° Angle Joining Plates

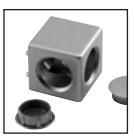
Page 796

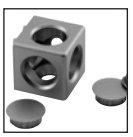
45° Angle Joining Plates

Page 797

60° Angle Joining Plates

Page 798

2-Way Corner Connector

Page 799

3-Way Corner Connector

Page 799

Tri-Corner Connectors

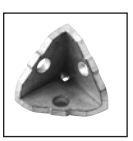
Page 800

3-Way Corner Bracket

Page 801

Square Cover Cap for 3-Way Corner Bracket

Page 801

3 Way Corner Bracket

Page 802

Cover Cap for 3-Way Corner Bracket

Page 802

Square Cover Cap for 3-Way Corner Bracket

Page 803

Clamp Block, Adjustable Angle

Page 803

90° Inside Corner Connectors

Page 804

45° Support Connector

Page 805

3 & 5 Hole Pivot Plates

Pages 805-806

Pivot Nubs

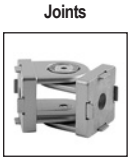
Pages 807-808

Pivot Arms

Pages 808-809

Standard Pivot Assemblies

Pages 810-811

Pivot Joints

Page 812

45° Supports

Pages 813-814

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How to Order 80/20® Joining Plates

Ordering Joining Plates is a simple process; just list the part number, quantity, and a brief description of the plate (see example order below). Also take note of the recommended bolt assemblies called out for each plate. These assemblies are a standard configuration of bolts and T-nuts to connect a plate to a profile. You may choose to select you own bolt configurations. If so, simply refer to pages 743-751 for bolt and T-nut options.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/UOM	Ext. Price
1	25-2525	2	469.9mm	25-7042 in A both ends	$0.01	$7.89
	40-4040-Lite-4m	5	4 m	Full length profile	$80.00	$400.00
	40-8016	4	1016.0mm	40-7029 one end	$0.14	$554.74
	40-8080	4	914.4mm	40-7050 style MG in W, X both ends	$0.06	$230.43
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	65-2611	1	.63 sm	6mm bronze polycarb 1 @ 457.2mm x 1016mm w/ 25-7311 per drawing	$111.95	$70.53
4	65-7150	1		Cut plastic panels all sides < -1220mm	$10.50	$10.50
	25-7042	4		25 Series anchor fastener counterbore	$2.25	$9.00
	25-7005	2		Cut-to-length for 25-2525	$1.95	$3.90
	40-7023	4		Cut-to-length for 40-8016	$2.90	$11.60
	40-7030	4		Cut-to-length for 40-8080	$2.60	$10.40
	40-7050	64		40 Series drill access hole	$1.95	$124.80
	40-7029	4		5/16-18 tap service for 40-8016	$15.20	$60.80
	25-7311	2		Anchor fastener notch for 25 Series	$0.53	$1.06
5	40-3891	32		40 Series M8 bright zinc end fastener w/ screw	$1.65	$52.80
	25-2114	16		Gray T-Slot covers for 25 Series	$3.45	$55.20
	40-2050	8		End caps for 40-8080	$1.85	$14.80
	25-3896	4		25 Series anchor fasteners	$3.10	$12.40
	40-1982	5		40 Series M8 bright zinc double economy T-nut	$0.84	$4.20
	25-4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	75-3404	24		25 Series M6 BHSCS & economy T-nut	$0.45	$10.80

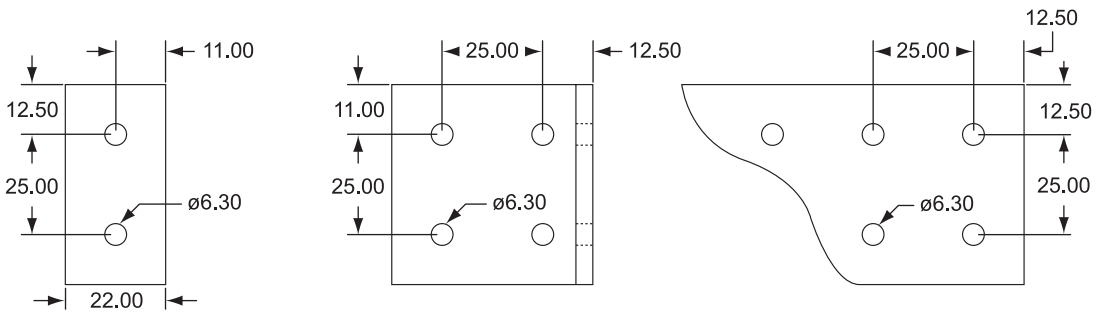
TOTAL $1739.25

NOTE: Prices shown for illustration use only. Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

25 Series Bolt Pattern Dimensions

The following standards for hole sizes and centerlines apply to most 25 Series joining plates and inside corner brackets.

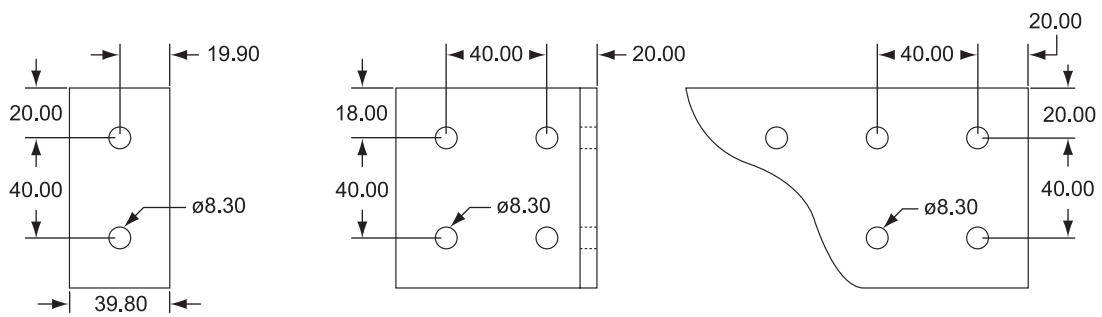


- **Most 25 Series flat joining plates and strips are made of 4.0mm thick 6105-T5 clear anodized aluminum with 6.3mm diameter holes on 25mm centerlines except where noted.**

- **Most 25 Series inside corner brackets and gussets are made of 4.0mm thick 6105-T5 clear anodized aluminum with 6.8mm diameter holes on 25mm centerlines except where noted.**

40 Series Bolt Pattern Dimensions

The following standards for hole sizes and centerlines apply to most 40 Series joining plates and inside corner brackets.



- **Most 40 Series flat joining plates, strips, inside corner brackets and gussets are made of 6mm thick 6105-T5 clear anodized aluminum with 8.3mm diameter holes on 40mm centerlines except where noted.**

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Double Economy T-Nut Assemblies (Blue Screws, Bright T-Nut)

Part No.	Thread	Screw Type	Length	kg.	Lbs.
75-3509	M6 x 1.00	(2) BHSCS	10mm	.0145	.0320
75-3510		(2) BHSCS	12mm	.0161	.0356
75-3511		(2) BHSCS, Washer	12mm	.0177	.0390
75-3512	M8 x 1.25	(2) BHSCS	12mm	.0416	.0917
75-3513		(2) BHSCS	16mm	.0439	.0967
75-3514		(2) BHSCS, Washer	16mm	.0475	.1047

Metric Bolt Assemblies (Blue Screws, Bright T-Nut)

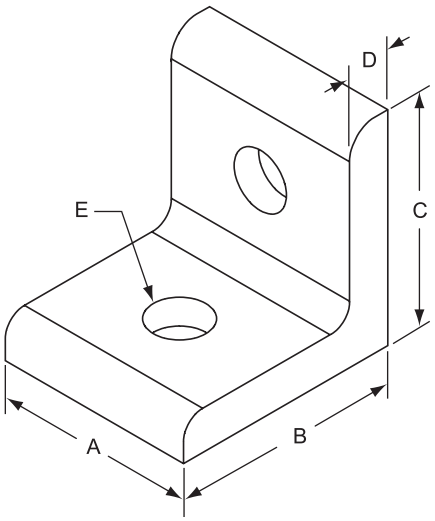
			Economy T-Nut			Drop-In T-Nut				
Thread	Screw Type	Length	Part No.	kg.	Lbs.	Part No.	kg.	Lbs.	Hex Nut	Washer
M6 x 1.00	BHSCS	10mm	75-3404	.0073	.0160	75-3435	.0068	.0150	–	–
	BHSCS	12mm	75-3405	.0076	.0167	75-3436	.0071	.0157	–	–
	BHSCS	16mm	75-3406	.0083	.0183	75-3437	.0078	.0173	–	75-3477
	BHSCS	20mm	75-3407	.0091	.0200	75-3438	.0086	.0190	–	–
	BHSCS, Washer	12mm	75-3408	.0086	.0189	75-3439	.0081	.0179	75-3466	–
	BHSCS, Washer	16mm	75-3409	.0093	.0205	75-3440	.0088	.0195	75-3467	–
	BHSCS, Washer	20mm	75-3410	.0101	.0222	75-3441	.0096	.0212	75-3468	–
	SHCS	10mm	75-3411	.0087	.0191	75-3442	.0082	.0181	–	–
	SHCS	12mm	75-3412	.0089	.0197	75-3443	.0084	.0187	–	–
	SHCS	16mm	75-3413	.0098	.0216	75-3444	.0093	.0106	–	–
	SHCS	20mm	75-3414	.0103	.0227	75-3445	.0098	.0217	–	–
	SHCS	25mm	75-3415	.0114	.0252	75-3446	.0110	.0242	–	–
	SHCS	30mm	75-3416	.0126	.0279	75-3447	.0122	.0269	–	–
	SHCS	35mm	75-3417	.0144	.0318	75-3448	.0140	.0308	–	–
	SHCS	40mm	75-3418	.0148	.0326	75-3449	.0143	.0316	–	–
	SHCS, Washer	12mm	75-3419	.0099	.0219	75-3450	.0095	.0209	75-3469	–
	SHCS, Washer	16mm	75-3420	.0108	.0238	75-3451	.0103	.0228	75-3470	–
M8 x 1.25	BHSCS	12mm	75-3421	.0162	.0358	75-3452	.0177	.0380	–	–
	BHSCS	16mm	75-3422	.0176	.0388	75-3453	.0136	.0410	–	–
	BHSCS	20mm	75-3423	.0180	.0397	75-3454	.0190	.0419	–	75-3478
	BHSCS	25mm	75-3424	.0198	.0437	75-3455	.0208	.0459	–	–
	BHSCS, Washer	16mm	75-3425	.0194	.0428	75-3456	.0204	.0450	75-3471	–
	BHSCS, Washer	20mm	75-3426	.0198	.0437	75-3457	.0208	.0459	75-3472	–
	BHSCS, Washer	25mm	75-3427	.0216	.0477	75-3458	.0226	.0499	75-3473	–
	SHCS	12mm	75-3428	.0196	.0431	75-3459	.0205	.0453	–	–
	SHCS	16mm	75-3429	.0205	.0452	75-3460	.0215	.0474	–	–
	SHCS	20mm	75-3430	.0218	.0480	75-3461	.0227	.0502	–	–
	SHCS	25mm	75-3431	.0234	.0516	75-3462	.0244	.0538	–	–
	SHCS, Washer	16mm	75-3432	.0223	.0492	75-3463	.0233	.0514	75-3474	–
	SHCS, Washer	20mm	75-3433	.0235	.0520	75-3464	.0296	.0592	75-3475	–
	SHCS, Washer	25mm	75-3434	.0252	.0556	75-3465	.0262	.0578	75-3476	–

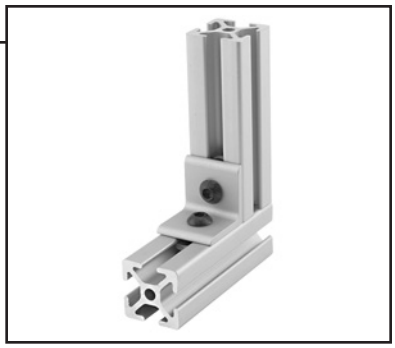
Legend for Icons

This part can use double economy T-nuts. See charts above.

NOTE: For more mounting hardware options, see page 757.

2 Hole 3mm Inside Corner Bracket





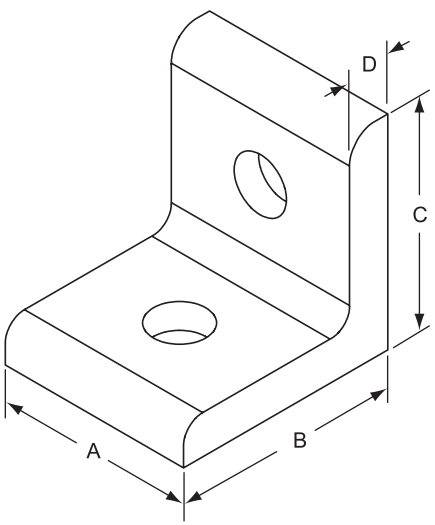
Recommended Mounting Hardware:

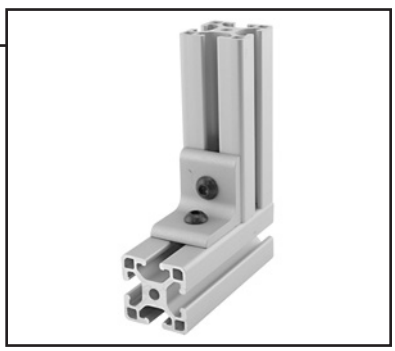
Part No.	Qty	Description
75-3404	2	M6 x 10mm BHSCS & Econ T-Nut

Part No.	A	B	C	D	E	kg.
25-4108	25.00	25.00	25.00	3.00	ø 6.30	.009

4

2 Hole Inside Corner Bracket





Recommended Mounting Hardware:

Part No.	Series	Qty	Description
75-3404	25	2	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	2	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	D	kg.
25-4119	22.00	25.00	25.00	4.00	.011
40-4302	36.00	40.00	40.00	6.00	.039

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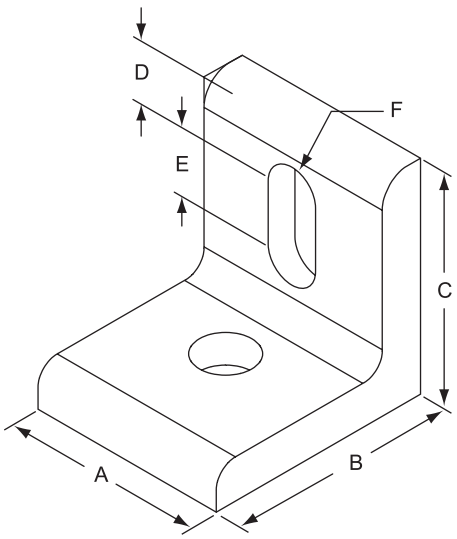
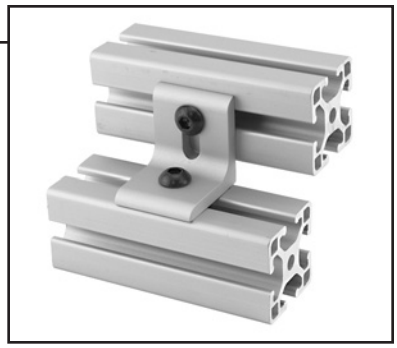
NOTE: For more mounting hardware options, see page 757.

2 Hole Slotted Inside Corner Bracket





Recommended Mounting Hardware:

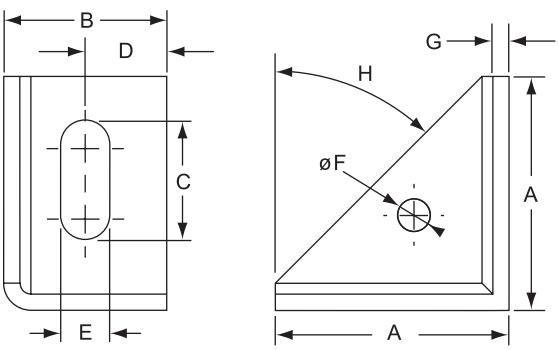
Part No.	Series	Qty	Description
75-3404	25	2	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	2	M8 x 16mm BHSCS & Econ T-Nut

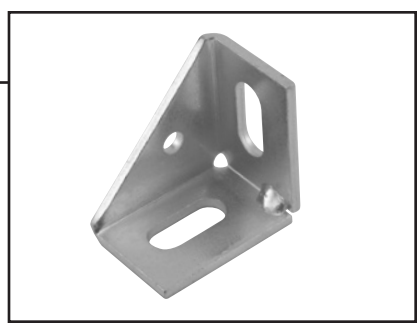
Part No.	A	B	C	D	E	F	kg.
25-4265	22.00	25.00	25.00	8.50	4.00	ø6.80	.011
40-4295	36.00	40.00	40.00	12.00	14.00	ø8.30	.034

4

2 Hole Inside Corner Bracket

Steel, Zinc-Plated





Recommended Mounting Hardware:

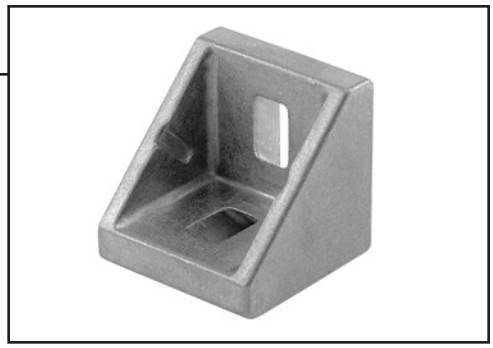
Part No.	Qty	Description	Compatibility Code*
3450	2	5/16-18 x 1/2 SHCS & Econ. T-nut	8-15
75-3624	2	M8 x 12mm SHCS & Slide In T-nut	8-40

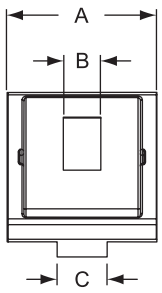
Part No.	A	B	C	D	E	F	G	H	kg.	Compatibility Code
14120	43.00	30.00	22.00	15.00	9.00	6.00	3.00	45°	.041	8-15, 8-40

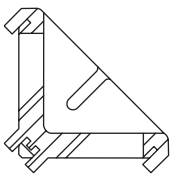
* See Compatibility Code information on page 642.

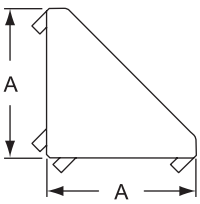
2 Hole Inside Corner Bracket

Die-Cast Aluminum, Natural Finish









Recommended Mounting Hardware:

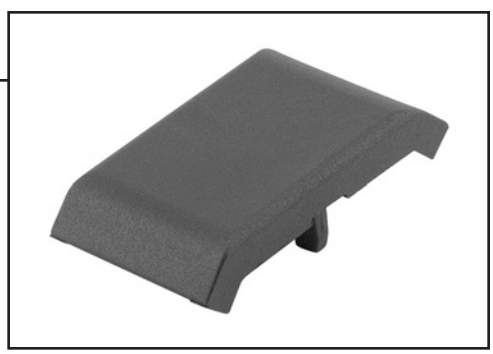
Part No.	Qty	Description	Compatibility Code*
75-3581	2	M5 x 8mm BHSCS & Econ. Slide-In T-nut	5-20
3457	2	10-32 x 3/8 SHCS & Econ. Slide-In T-nut	6-10
75-3401	2	M5 x 10mm SHCS & Econ. Slide-In T-nut	6-25

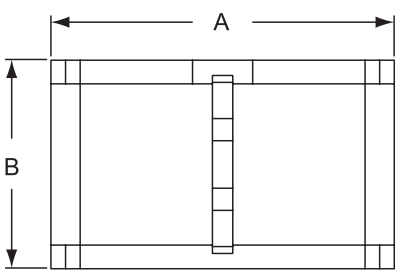
Part No.	A	B	C (Slot Tab)	kg.	Compatibility Code*
14059	18.00	5.30	None	.01	5-20, 6-10, 6-25
14061			6.00		

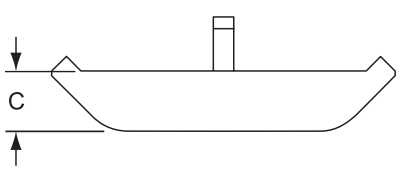
Cover Cap for Inside Corner Brackets

Fiberglass-Reinforced Nylon, Black

- **Fits brackets shown above**







Part No.	A	B	C	kg.	Fits On	Compatibility Code*
12031	28.20	17.60	5.00	.002	14059, 14061	5-20, 6-10, 6-25

* See Compatibility Code information on page 642.

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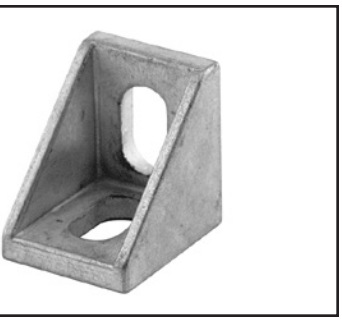
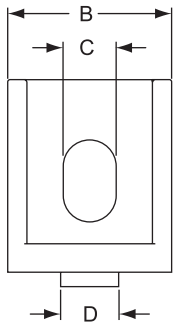
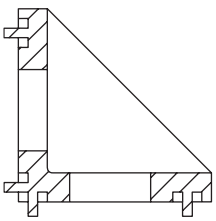
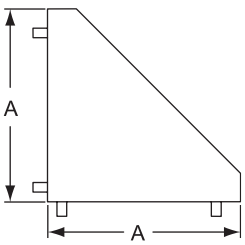
2 Hole Inside Corner Brackets

Die-Cast Zinc, Natural or Powder Coat









Recommended Mounting Hardware:

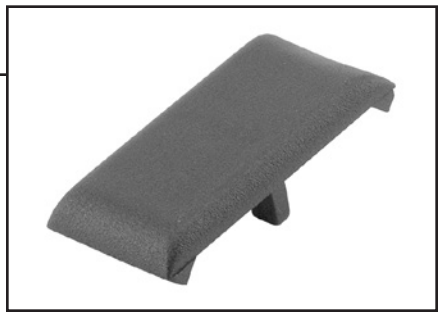
Part No.	Qty	Description	Compatibility Code*
75-3581	2	M5 x 8mm BHSCS & Econ. Slide-In T-nut	5-20
3457	2	10-32 x 3/8 SHCS & Econ. Slide-In T-nut	6-10
75-3401	2	M5 x 10mm SHCS & Econ. Slide-In T-nut	6-25

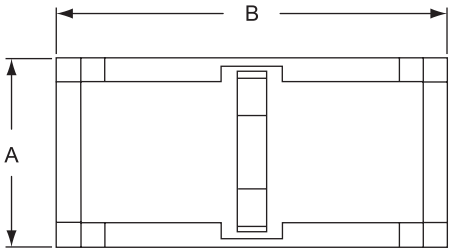
Part No.	Finish	A	B	C	D (Slot Tab)	kg.	Compatibility Code*
14056	Natural	20.00	17.00	5.50	None	.013	5-20
14051	Powder Coat - Aluminum Color				None		
14053	Natural				5.00		
14052	Powder Coat - Aluminum Color				5.00		
14054	Powder Coat - Aluminum Color				6.00		6-10, 6-25

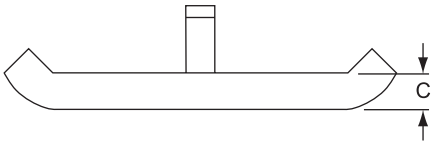
Cover Cap for Inside Corner Brackets

Fiberglass-Reinforced Nylon, Black

- **Fits brackets shown above**





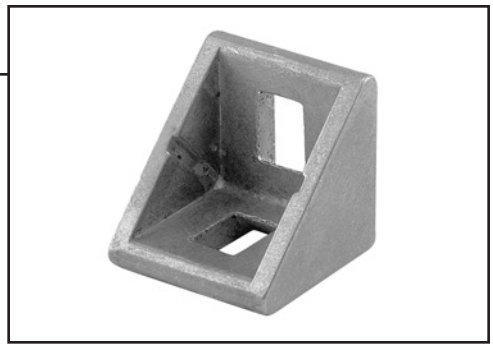


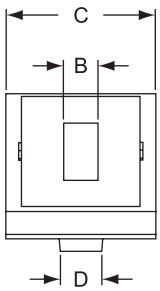
Part No.	Series	A	B	C	kg.	Fits On	Compatibility Code*
12030	25	15.50	32.00	3.00	.002	14054	6-10, 6-25

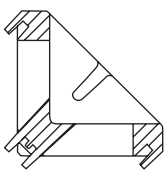
* See Compatibility Code information on page 642.

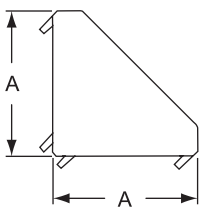
2 Hole Inside Corner Brackets

Die-Cast Aluminum, Natural Finish









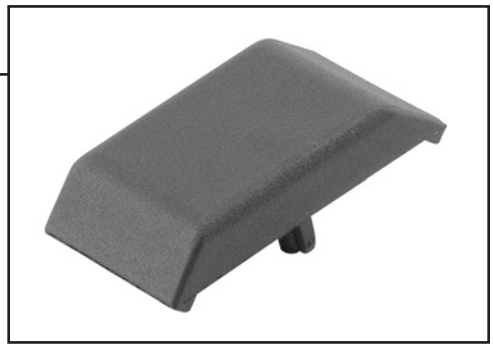
Recommended Mounting Hardware:

Part No.	Qty	Description
75-3593	2	M6 x 14mm SHCS & Drop-In T-nut

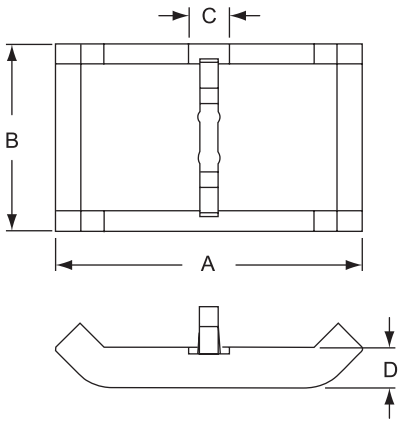
Part No.	A	B	C	D (Slot Tab)	kg.	Compatibility Code*
14071	27.00	6.40	28.00	None	.02	8-30
14073				8.00		

Cover Cap for Inside Corner Brackets

Fiberglass-Reinforced Nylon, Black



- **Fits brackets shown above**



Part No.	A	B	C	D	kg.	Fits On	Compatibility Code*
12033	45.20	27.60	6.00	6.00	.004	14071 & 14073	8-30

* See Compatibility Code information on page 642.

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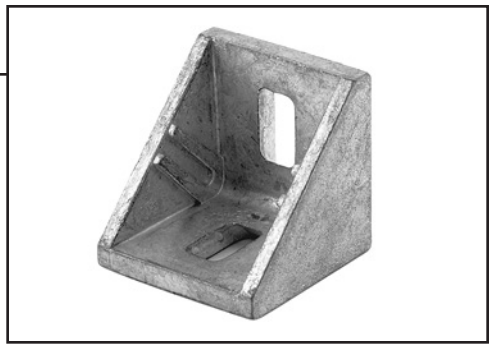
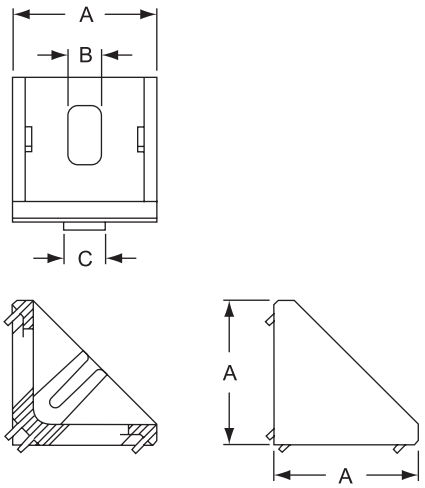
2 Hole Inside Corner Brackets

Die-Cast Zinc, Natural or Powder Coat





Recommended Mounting Hardware:

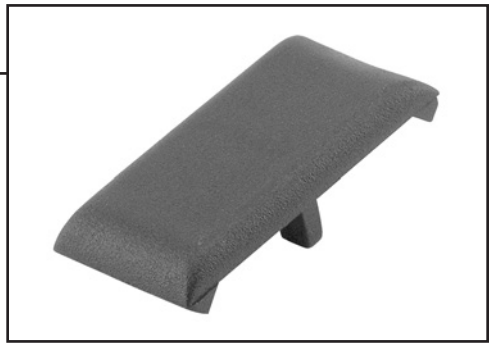
Part No.	Qty	Description
75-3598	2	M6 x 12mm SHCS & Drop-In T-nut

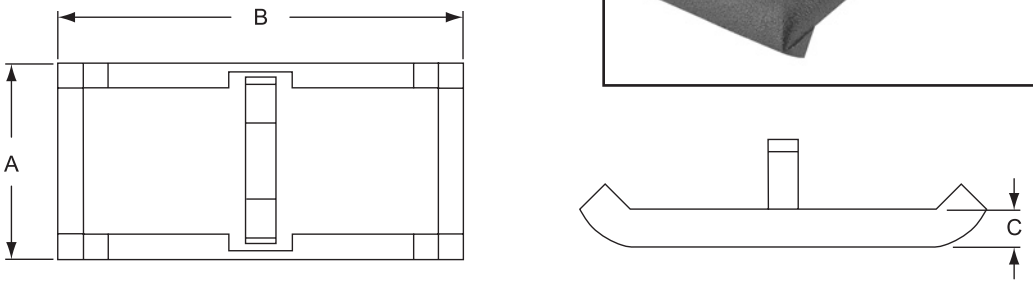
Part No.	Finish	A	B	C (Slot Tab)	kg.	Compatibility Code*
14067	Natural	28.00	6.50	None	.041	8-30
14062	Powder Coat - Aluminum Color			None		
14066	Natural			8.00		
14065	Powder Coat - Aluminum Color			8.00		

Cover Cap for Inside Corner Brackets

Fiberglass-Reinforced Nylon, Black

- **Fits brackets shown above**





Part No.	Series	A	B	C	kg.	Fits On	Compatibility Code*
12032	30	27.50	44.50	4.00	.004	Zinc Gusseted Bracket - 30 Series	8-30

* See Compatibility Code information on page 642.

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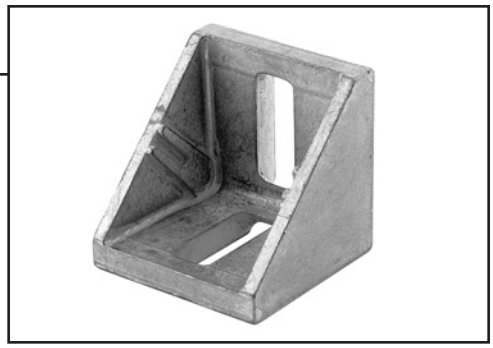
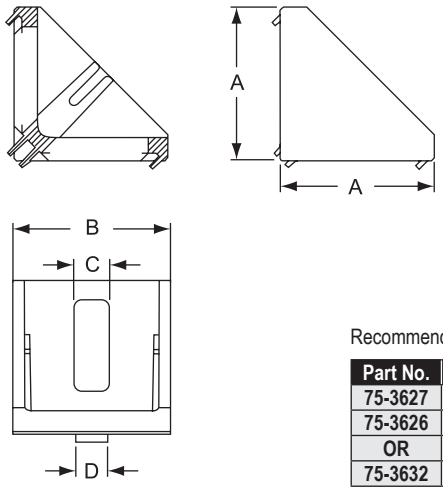
*The **Industrial** Erector Set®*
THE STANDARD

2 Hole Inside Corner Brackets
Die-Cast Zinc, Natural or Powder Coat



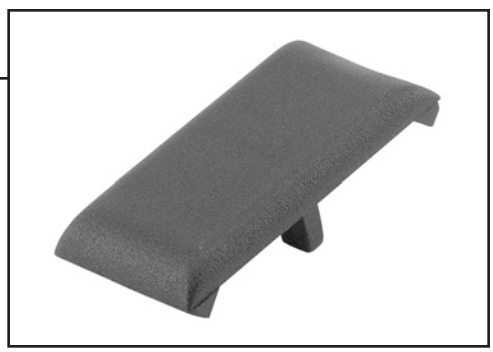


Recommended Mounting Hardware:

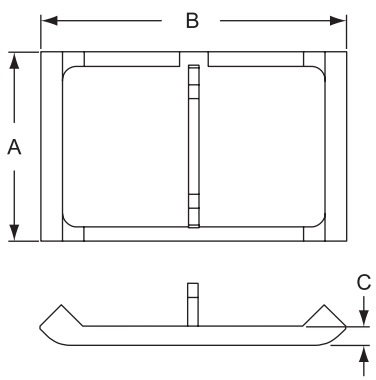
Part No.	Qty	Description	Compatibility Code*
75-3627	2	M8 x 18mm SHCS & Slide-In T-nut	8-40
75-3626	2	M8 x 18mm SHCS & Drop-In T-nut	10-45
OR			
75-3632	2	M8 x 20mm Drop-In T-Stud & Flanged Hex Nut	

Part No.	Finish	A	B	C	D (Slot Tab)	kg.	Compatibility Code*
14079	Natural	39.00	40.00	9.00	None	.083	8-40
14074	Powder Coat - Aluminum Color				None	.085	
14076	Natural				8.00	.097	
14075	Powder Coat - Aluminum Color				8.00	.097	
14078	Natural				10.00	.083	10-45
14077	Powder Coat - Aluminum Color				10.00	.085	

Cover Cap for Inside Corner Brackets
Fiberglass-Reinforced Nylon, Black



- **Fits brackets shown above**



Part No.	Series	A	B	C	kg.	Fits On	Compatibility Code*
12034	45	39.50	64.00	4.00	.006	Zinc Gusseted Bracket - 45 Series	10-45

* See Compatibility Code information on page 642.

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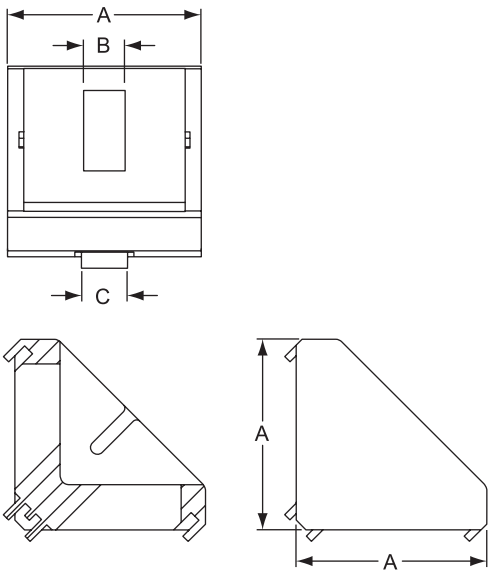
2 Hole Inside Corner Brackets



14083
14085

14092

* See Compatibility Code information on page 642.

Recommended Mounting Hardware:

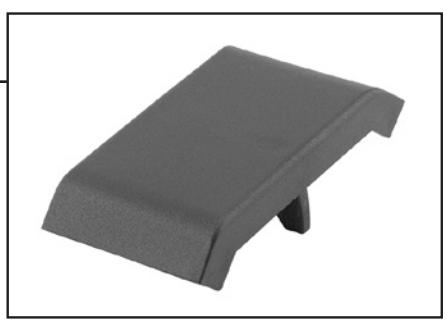
	Part No.	Qty	Description
	75-3630	2	M8 x 20mm SHCS & Drop-In T-nut
OR	75-3635	2	M8 x 25mm Drop-In T-Stud & Flanged Hex Nut

Part No.	Description	A	B	C (Slot Tab)	kg.	Compatibility Code*
14083	Die-Cast Aluminum, Natural Finish	42.00	9.00	None	.056	10-45
14085				10.00		

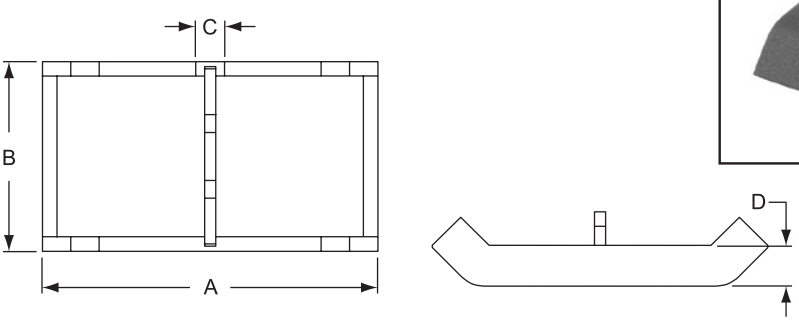
Part No.	Description	A	B	C (Slot Tab)	kg.	Compatibility Code*
14092	Die-Cast Zinc	42.00	9.00	10.00	.056	10-45

Cover Cap for Inside Corner Brackets

Nylon, Black



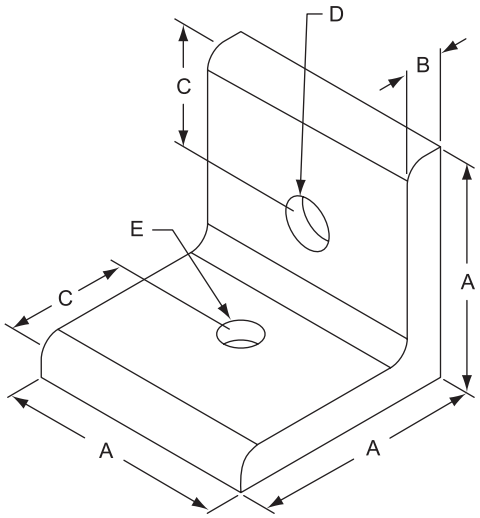
- **Fits brackets shown above**

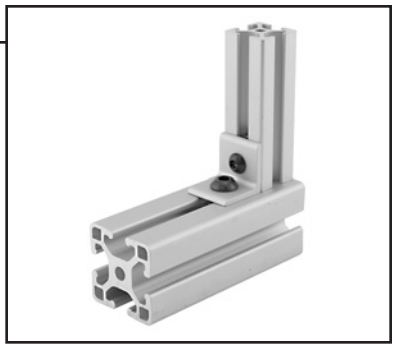


Part No.	A	B	C	D	kg.	Compatibility Code*
12035	64.00	39.50	6.00	4.00	.014	10-45

NOTE: For more mounting hardware options, see page 757.

2 Hole Lite Transition Inside Corner Bracket





Joins 25 Series to 40 Series T-Slotted Profiles

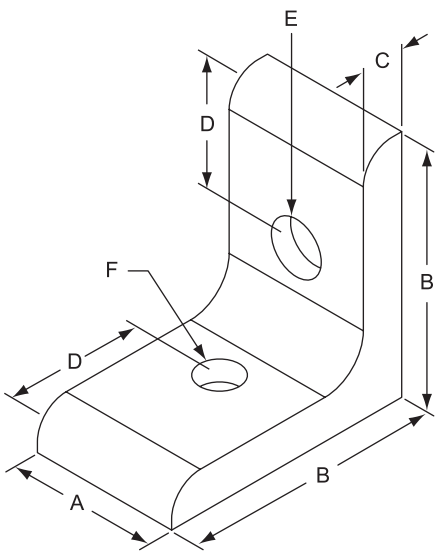
Recommended Mounting Hardware:

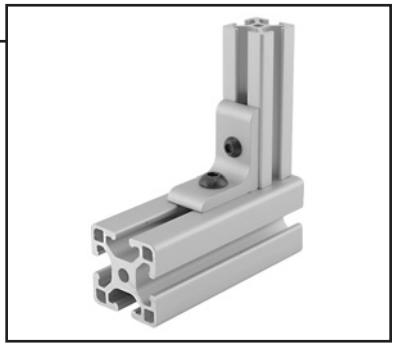
Part No.	Qty	Description
75-3404	1	M6 x 10mm BHSCS & Econ T-Nut
AND		
75-3421	1	M8 x 12mm BHSCS & Econ T-Nut

Part No.	A	B	C	D	E	kg.
65-4509	25.00	3.00	12.50	ø8.30	ø6.30	.009

4

2 Hole Standard Transition Inside Corner Bracket





Joins 25 Series to 40 Series T-Slotted Profiles

Recommended Mounting Hardware:

Part No.	Qty	Description
75-3405	1	M6 x 12mm BHSCS & Econ T-Nut
AND		
75-3422	1	M8 x 16mm BHSCS & Econ T-Nut

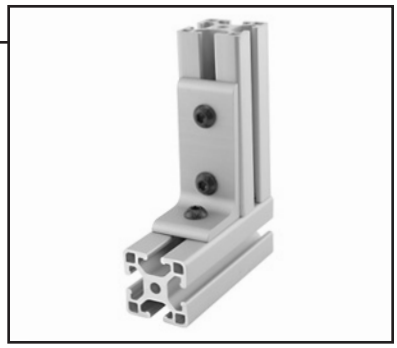
Part No.	A	B	C	D	E	F	kg.
65-4503	22.00	40.00	6.00	20.00	ø8.30	ø6.30	.020

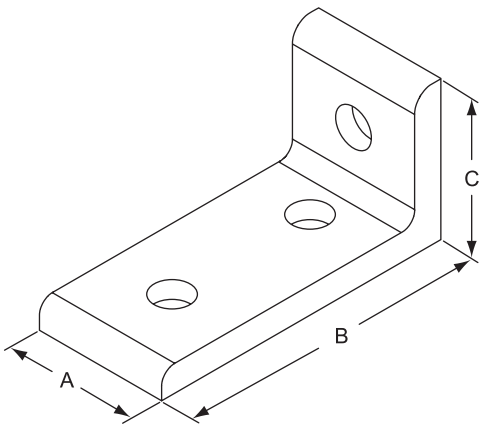
We specialize in FAST™ same day shipments!

NOTE: For more mounting hardware options, see page 757.

3 Hole Inside Corner Bracket

Page 757





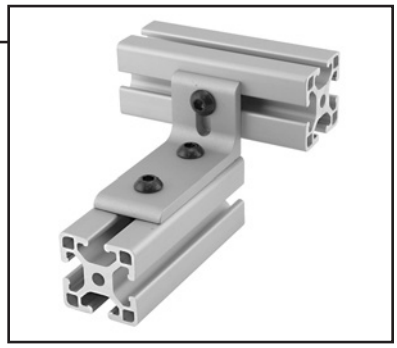
Recommended Mounting Hardware:

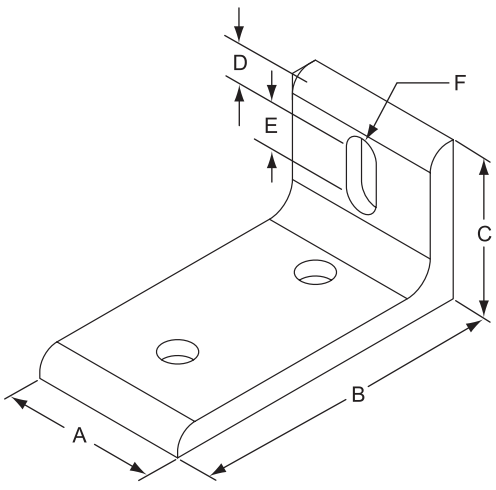
Part No.	Series	Qty	Description
75-3404	25	3	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	3	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	kg.
25-4176	22.00	50.00	25.00	.018
40-4376	36.00	80.00	40.00	.059

3 Hole Slotted Inside Corner Bracket

Page 757





Recommended Mounting Hardware:

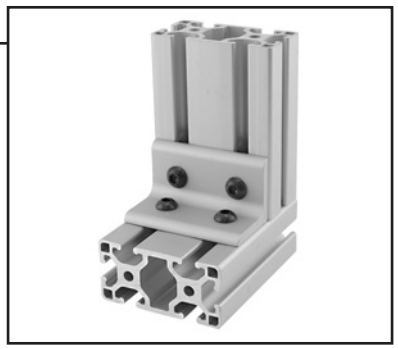
Part No.	Series	Qty	Description
75-3404	25	3	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	3	M8 x 16mm BHSCS & Econ T-Nut

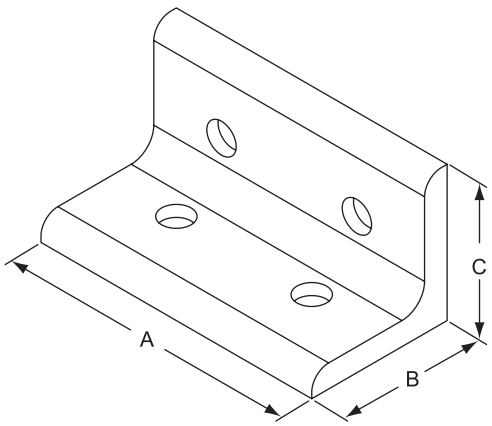
Part No.	A	B	C	D	E	F	kg.
25-4250	22.00	50.00	25.00	8.50	4.00	ø6.80	.018
40-4280	36.00	80.00	40.00	12.00	14.00	ø8.30	.057

NOTE: For more mounting hardware options, see page 757.

4 Hole Inside Corner Bracket

Page 757





Recommended Mounting Hardware:

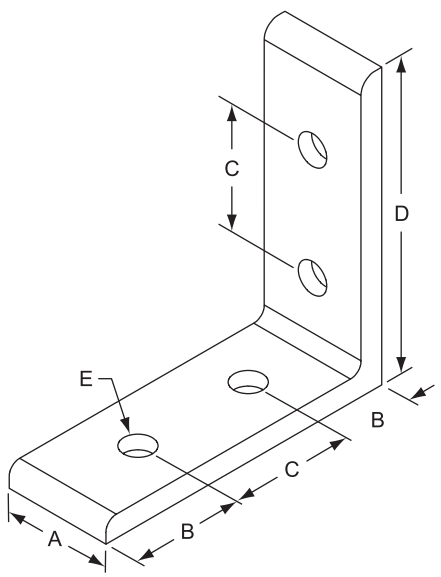
Part No.	Series	Qty	Description
75-3404	25	4	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	4	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	kg.
25-4113	47.00	25.00	25.00	.024
40-4303	76.00	40.00	40.00	.080

4

4 Hole Inside Corner Bracket

Page 757



Recommended Mounting Hardware:

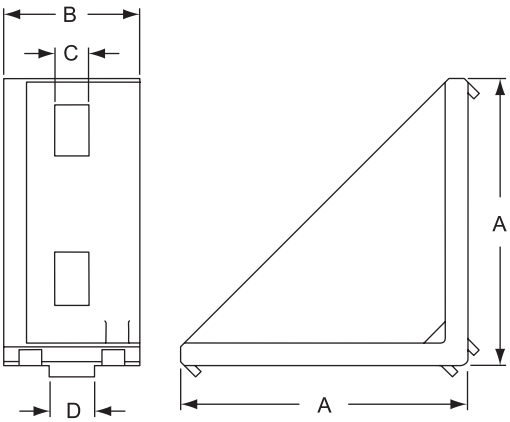
Part No.	Series	Qty	Description
75-3404	25	4	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	4	M8 x 16mm BHSCS & Econ T-Nut

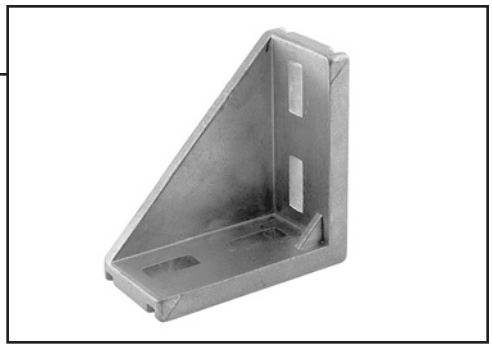
Part No.	A	B	C	D	E	kg.
25-4115	22.00	12.50	25.00	50.00	ø6.80	.024
40-4301	36.00	20.00	40.00	80.00	ø8.30	.078

* See Compatibility Code information on page 642.

4 Hole Inside Corner Bracket

Die-Cast Aluminum, Natural Finish





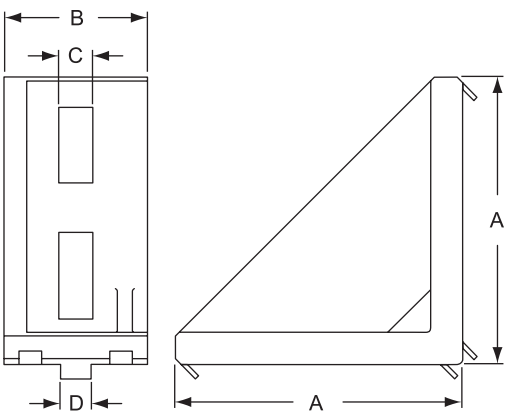
Recommended Mounting Hardware:

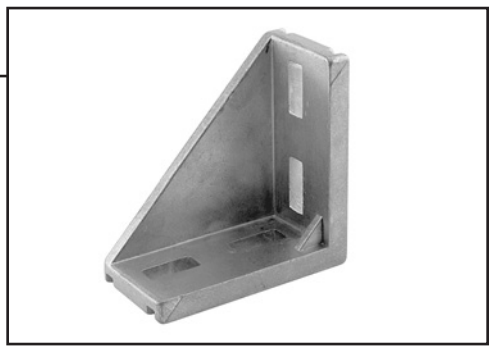
Part No.	Qty	Description	Compatibility Code*
75-3581	4	M5 x 8mm BHSCS & Econ. Slide-In T-nut	5-20
3457	4	10-32 x 3/8 SHCS & Econ. Slide-In T-nut	6-10
75-3401	4	M5 x 10mm SHCS & Econ. Slide-In T-nut	6-25

Part No.	A	B	C	D (Slot Tab)	kg.	Compatibility Code*
14057	38.00	18.00	4.50	5.00	.013	5-20
14058	38.00	18.00	5.30	6.00	.013	6-10, 6-25

4 Hole Inside Corner Bracket

Die-Cast Aluminum, Natural Finish





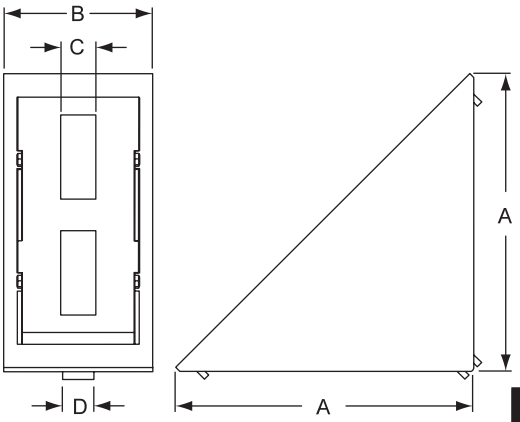
Recommended Mounting Hardware:

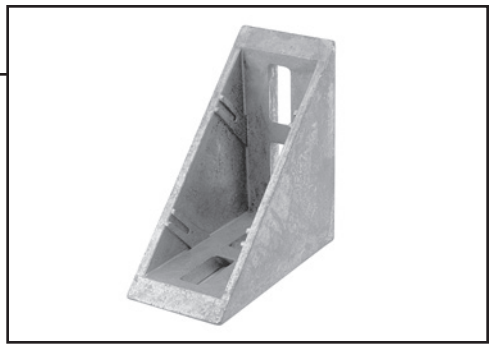
Part No.	Qty	Description	Compatibility Code*
75-3593	4	M6 x 14mm SHCS & Drop-In T-nut	8-30
3455	4	5/16-18 x 3/4 SHCS & Econ. Slide-In T-nut	8-15
75-3627	4	M8 x 18mm SHCS & Roll-In T-nut	8-40
75-3630	4	M8 x 20mm SHCS & Drop-In T-nut	10-45
OR			
75-3635	4	M8 x 25mm Drop-In T-Stud & Flanged Hex Nut	

Part No.	A	B	C	D (Slot Tab)	kg.	Compatibility Code*
14068	57.00	28.00	6.20	None	.058	8-30
14070				8.00		
14080	76.00	38.00	9.00	None	.122	8-15, 8-40
14081				8.00		
14086	86.00	43.00	9.00	None	.162	10-45
14088				10.00		

4 Hole Inside Corner Brackets

Die-Cast Zinc, Natural or Powder Coat





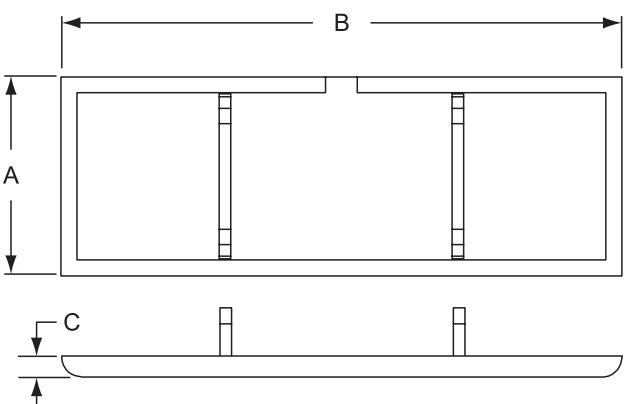
Recommended Mounting Hardware:

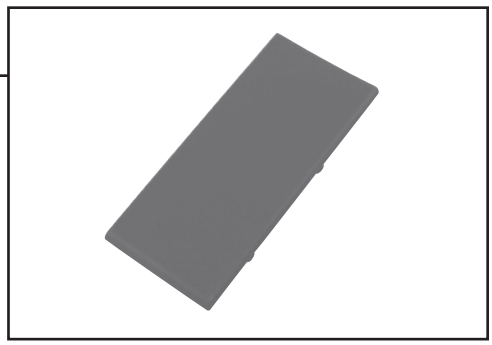
Part No.	Qty	Description	Compatibility Code*
3455	4	5/16-18 x 3/4 SHCS & Econ. Slide-In T-nut	8-15
75-3627	4	M8 x 18mm SHCS & Slide-In T-nut	8-40
75-3630	4	M8 x 20mm SHCS & Drop-In T-nut	10-45
OR			
75-3635	4	M8 x 25mm Drop-In T-Stud & Flanged Hex Nut	

Part No.	Finish	A	B	C	D (Slot Tab)	kg.	Compatibility Code*
14103	Natural	76.00	38.00	9.00	None	.268	8-15, 8-40, 10-45
14098	Powder Coat - Aluminum Color				None	.270	
14100	Natural				8.00	.268	8-40
14099	Powder Coat - Aluminum Color				8.00	.270	
14102	Natural				10.00	.268	10-45
14101	Powder Coat - Aluminum Color				10.00	.270	

Cover Cap for Inside Corner Brackets

Fiberglass-Reinforced Nylon, Black



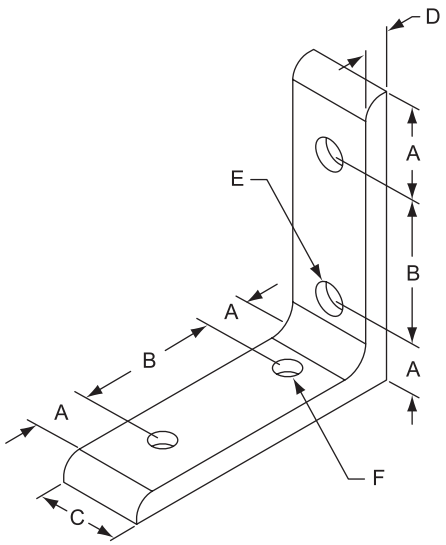


- **Fits brackets shown above**

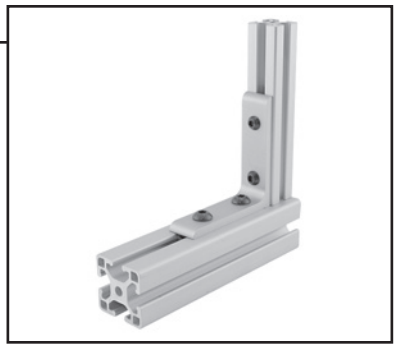
Part No.	A	B	C	kg.	Fits On	Compatibility Code*
12038	38.00	106.00	4.00	.012	14103	8-15
					14098	8-40
					14102	10-45
					14101	

NOTE: For more mounting hardware options, see page 757.

4 Hole Transition Inside Corner Bracket



Page 757



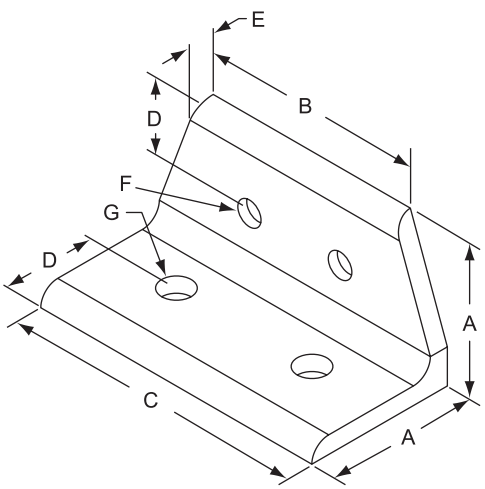
Joins 25 Series to 40 Series T-Slotted Profiles

Recommended Mounting Hardware:

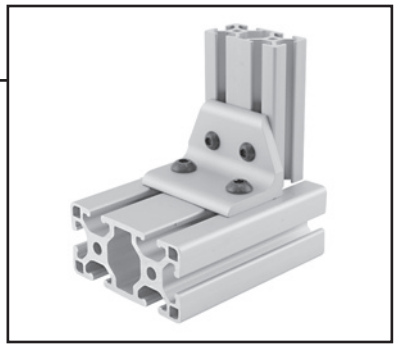
Part No.	Qty	Description
75-3405	2	M6 x 12mm BHSCS & Econ T-Nut
AND		
75-3422	2	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	kg.
65-4504	20.00	40.00	22.00	6.00	ø8.30	ø6.30	.052

4 Hole Lite Double Wide Transition Inside Corner Bracket



Page 757



Joins 25 Series to 40 Series T-Slotted Profiles

Recommended Mounting Hardware:

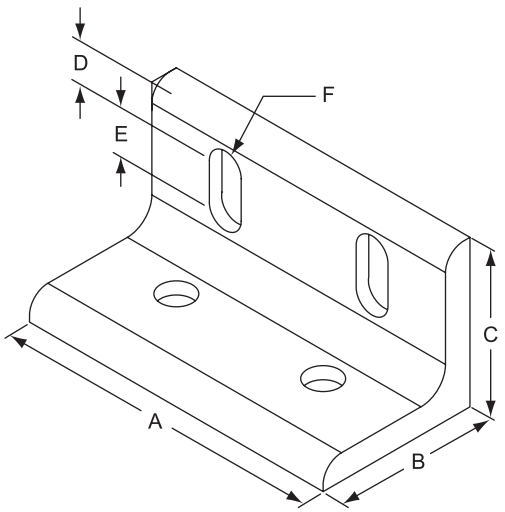
Part No.	Qty	Description
75-3405	2	M6 x 12mm BHSCS & Econ T-Nut
AND		
75-3422	2	M8 x 16mm BHSCS & Econ T-Nut

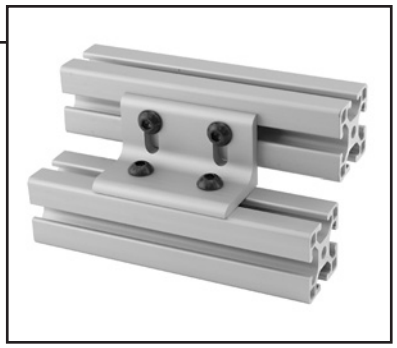
Part No.	A	B	C	D	E	F	G	kg.
65-4512	40.00	40.00	62.50	20.00	6.00	ø6.30	ø8.30	.025

NOTE: For more mounting hardware options, see page 757.

4 Hole Slotted Inside Corner Bracket

Page 757





Recommended Mounting Hardware:

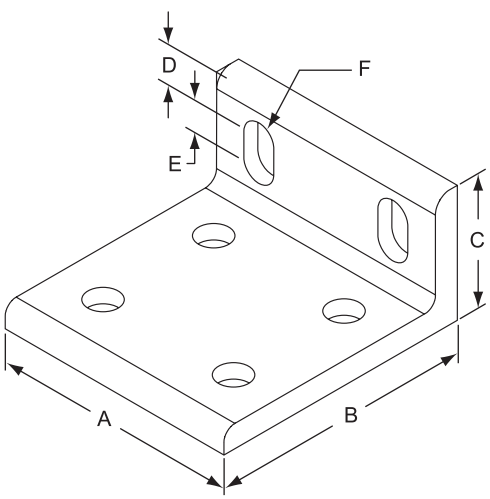
Part No.	Series	Qty	Description
75-3404	25	4	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	4	M8 x 16mm BHSCS & Econ T-Nut

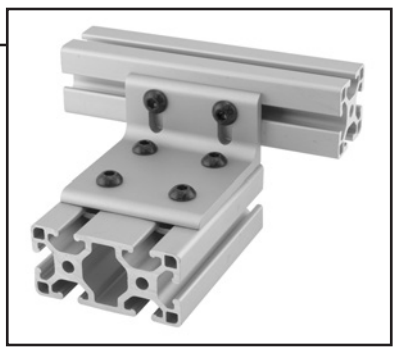
Part No.	A	B	C	D	E	F	kg.
25-4260	47.00	25.00	25.00	8.50	4.00	ø6.80	.024
40-4290	76.00	40.00	40.00	12.00	14.00	ø8.30	.075

4

6 Hole Slotted Inside Corner Bracket

Page 757





Recommended Mounting Hardware:

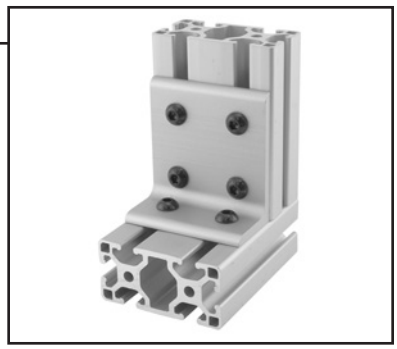
Part No.	Series	Qty	Description
75-3404	25	6	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	6	M8 x 16mm BHSCS & Econ T-Nut

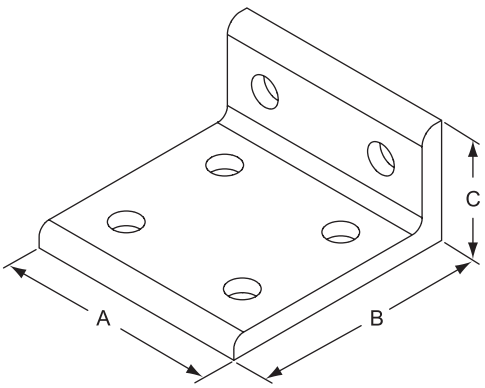
Part No.	A	B	C	D	E	F	kg.
25-4286	47.00	50.00	25.00	8.50	4.00	ø6.80	.038
40-4285	76.00	80.00	40.00	12.00	14.00	ø8.30	.120

NOTE: For more mounting hardware options, see page 757.

6 Hole Inside Corner Bracket

Page 757





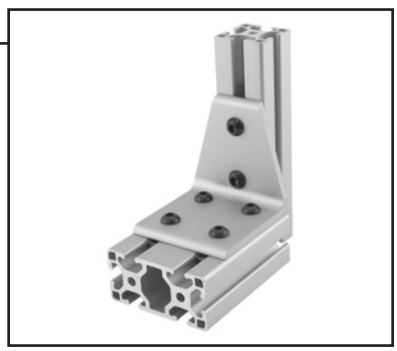
Recommended Mounting Hardware:

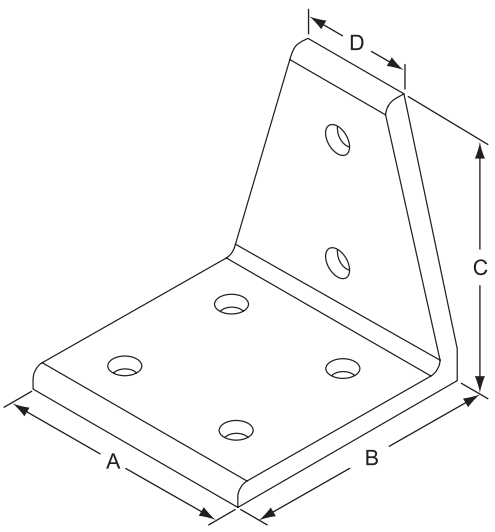
Part No.	Series	Qty	Description
75-3404	25	6	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	6	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	kg.
25-4175	47.00	50.00	25.00	.038
40-4375	76.00	80.00	40.00	.125

6 Hole Center Inside Corner Bracket

Page 757





Recommended Mounting Hardware:

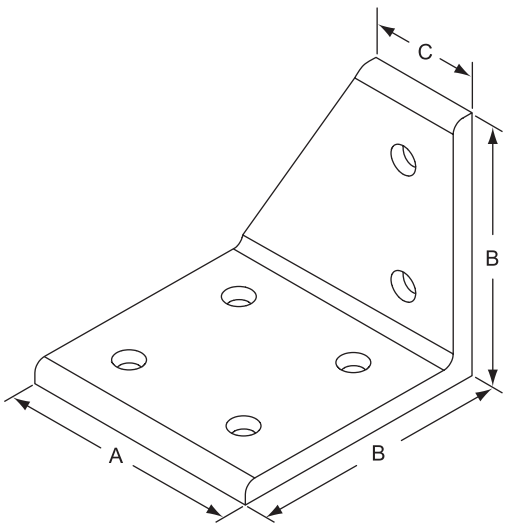
Part No.	Series	Qty	Description
75-3404	25	6	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	6	M8 x 16mm BHSCS & Econ T-Nut

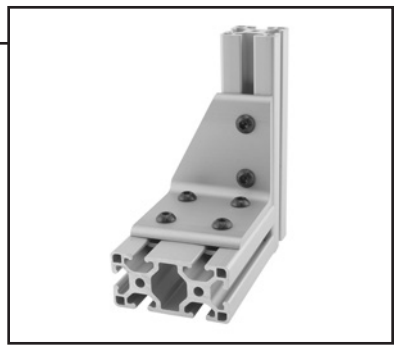
Part No.	A	B	C	D	kg.
25-4111	47.00	50.00	50.00	25.00	.047
40-4311	76.00	80.00	80.00	36.00	.152

NOTE: For more mounting hardware options, see page 757.

6 Hole Right Inside Corner Bracket

Page 757





Recommended Mounting Hardware:

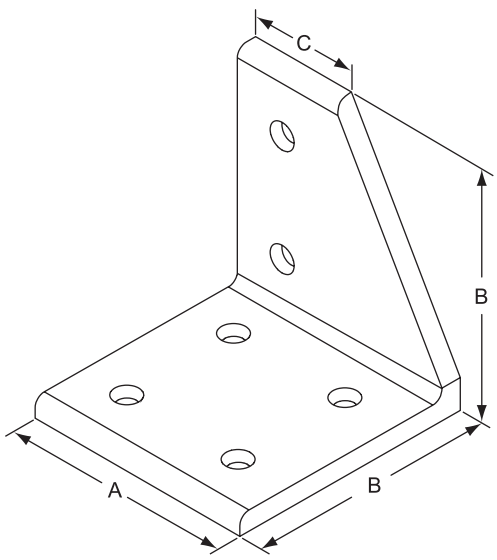
Part No.	Qty	Description
75-3422	6	M8 x 16mm BHSCS & Econ T-Nut

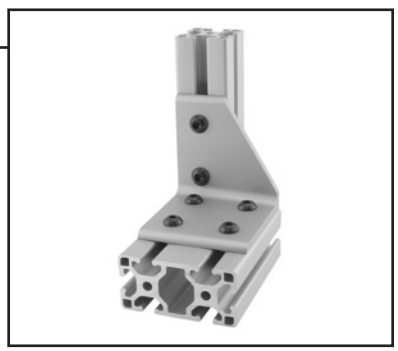
Part No.	A	B	C	kg.
40-4308	76.00	80.00	36.00	.152

4

6 Hole Left Inside Corner Bracket

Page 757





Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	6	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	kg.
40-4309	76.00	80.00	36.00	.152

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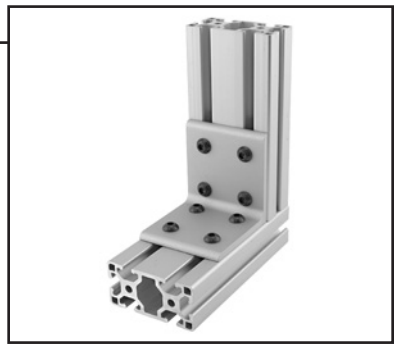
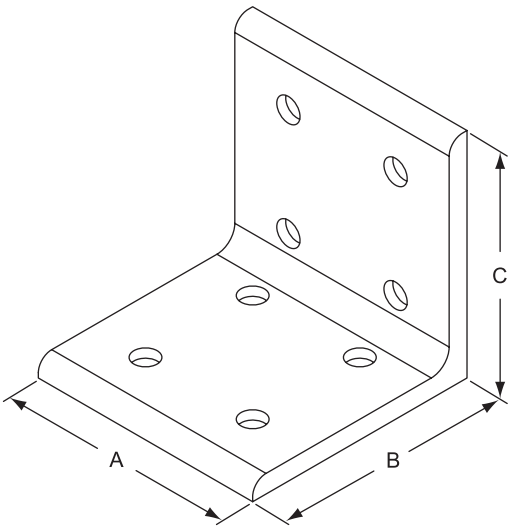
NOTE: For more mounting hardware options, see page 757.

8 Hole Inside Corner Bracket

Page 757





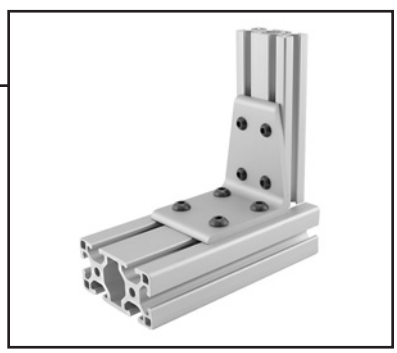
Recommended Mounting Hardware:

Part No.	Series	Qty	Description
75-3404	25	8	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	8	M8 x 16mm BHSCS & Econ T-Nut

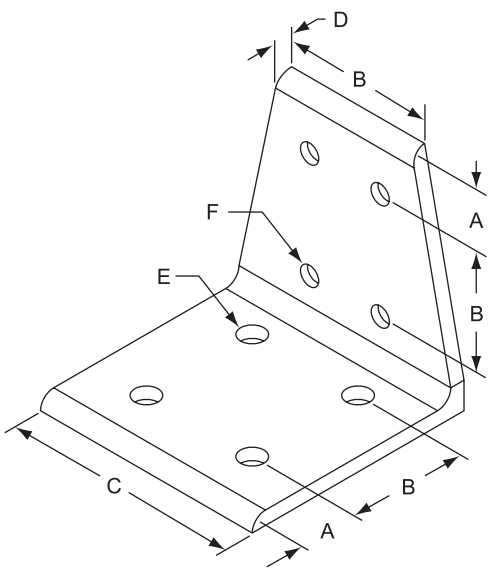
Part No.	A	B	C	kg.
25-4114	47.00	50.00	50.00	.053
40-4304	76.00	80.00	80.00	.166

8 Hole Double Wide Transition Inside Corner Bracket

Page 757



Joins 25 Series to 40 Series T-Slotted Profiles



Recommended Mounting Hardware:

Part No.	Qty	Description
75-3405	4	M6 x 12mm BHSCS & Econ T-Nut
AND		
75-3422	4	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	kg.
65-4513	20.00	40.00	62.50	6.00	ø8.30	ø6.30	.048

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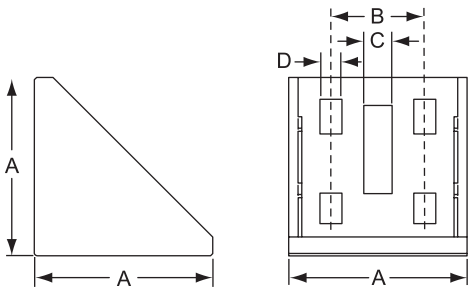
8 Hole Inside Corner Bracket
Die-Cast Zinc, Powder Coat



Recommended Mounting Hardware:

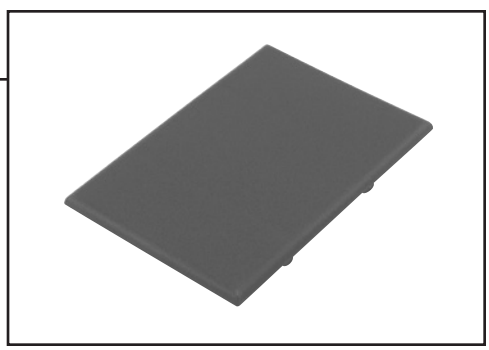
Part No.	Qty	Description
75-3593	8	M6 x 14mm SHCS & Drop-In T-nut

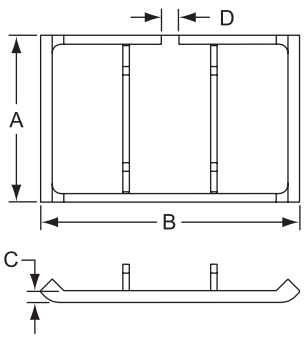
Part No.	Finish	A	B	C	D	kg.	Compatibility Code*
14089	Powder Coat - Aluminum Color	57.00	30.00	9.00	6.40	.227	8-30

4

Cover Cap for Inside Corner Bracket
Fiberglass-Reinforced Nylon, Black

- **Fits brackets shown above**





Part No.	A	B	C	D (Slot Tab)	kg.	Fits On	Compatibility Code*
12036	57.00	88.00	4.00	6.00	.021	14089	8-30

* See Compatibility Code information on page 642.

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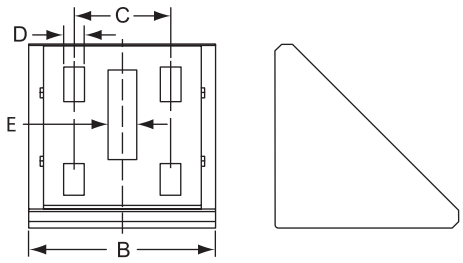
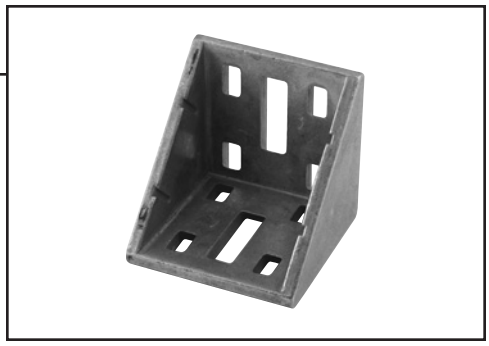
8 Hole Inside Corner Bracket

Die-Cast Aluminum





Recommended Mounting Hardware:

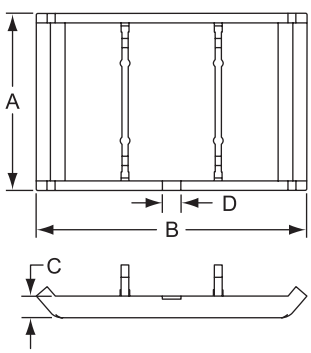
Part No.	Qty	Description
75-3593	8	M6 x 14mm SHCS & Drop-In T-nut

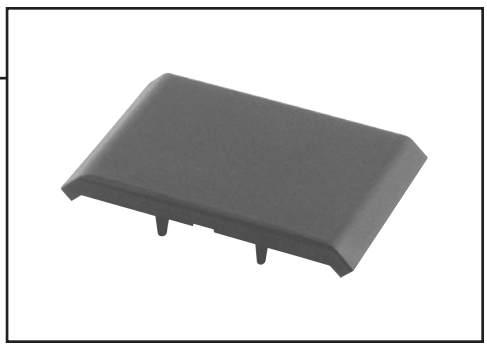
Part No.	Finish	A	B	C	D	E	kg.	Compatibility Code*
14095	Natural	57.00	58.00	30.00	6.40	9.00	.204	8-30

Cover Cap for Inside Corner Bracket

Fiberglass-Reinforced Nylon, Black

- **Fits brackets shown above**



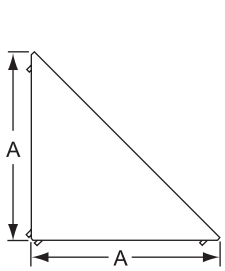


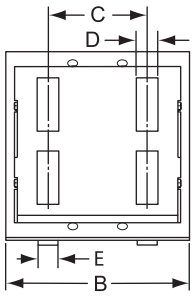
Part No.	A	B	C	D (Slot Tab)	kg.	Fits On	Compatibility Code*
12037	57.60	87.50	7.00	6.00	.021	14095	8-30

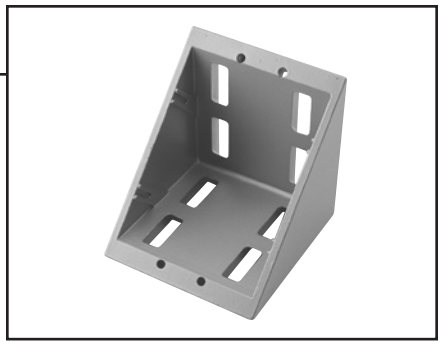
* See Compatibility Code information on page 642.

* See Compatibility Code information on page 642.

8 Hole Inside Corner Brackets
Die-Cast Zinc, Natural or Powder Coat





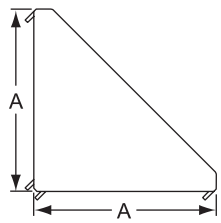


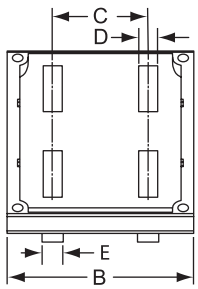
Recommended Mounting Hardware:

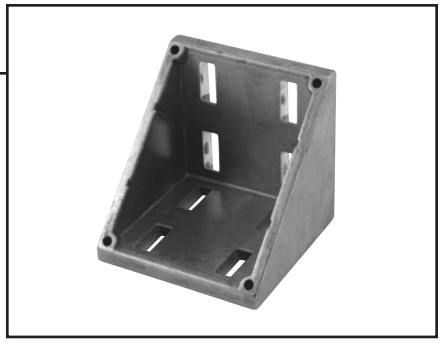
Part No.	Qty	Description
75-3627	8	M8 x 18mm SHCS & Slide-In T-nut

Part No.	Finish	A	B	C	D	E (Slot Tab)	kg.	Compatibility Code*
14104	Powder Coat - Aluminum Color	76.00	74.00	40.00	9.00	None	.271	8-40
14105						8.00		

8 Hole Inside Corner Bracket
Die-Cast Aluminum





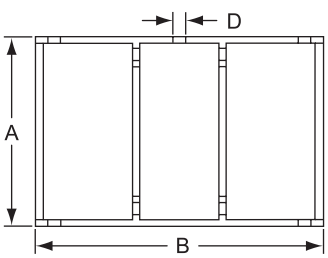


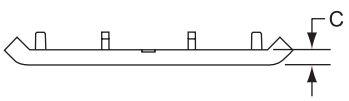
Recommended Mounting Hardware:
OR

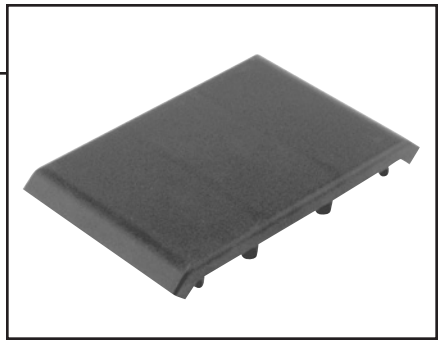
Part No.	Qty	Description
75-3630	8	M8 x 20mm SHCS & Drop-In T-nut
75-3635	8	M8 x 25mm Drop-In T-stud & Flanged Hex Nut

Part No.	Finish	A	B	C	D	E (Slot Tab)	kg.	Compatibility Code*
14111	Natural	86.00	88.00	45.00	9.00	10.00	.334	10-45

Cover Caps for Inside Corner Brackets
Fiberglass-Reinforced Nylon, Black







Part No.	A	B	C	D (Slot Tab)	kg.	Fits On	Compatibility Code*
12039	74.00	106.00	4.00	6.00	.021	14104, 14105	8-40
12040	87.60	133.00	7.00	6.00	.030	14111	10-45

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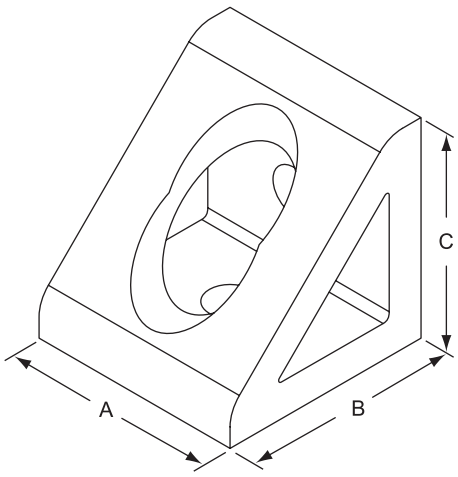
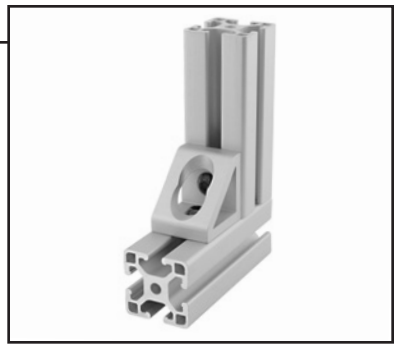
NOTE: For more mounting hardware options, see page 757.

2 Hole Inside Gusset Corner Bracket





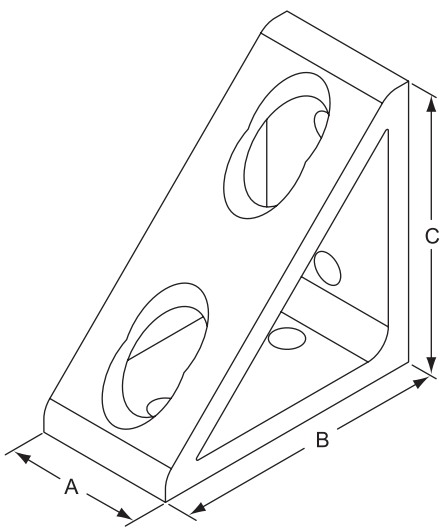
Recommended Mounting Hardware:

Part No.	Series	Qty	Description
75-3404	25	2	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	2	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	kg.
25-4132	22.00	25.00	25.00	.018
40-4332	36.00	40.00	40.00	.057

4 Hole Inside Gusset Corner Bracket

Page 757



Recommended Mounting Hardware:

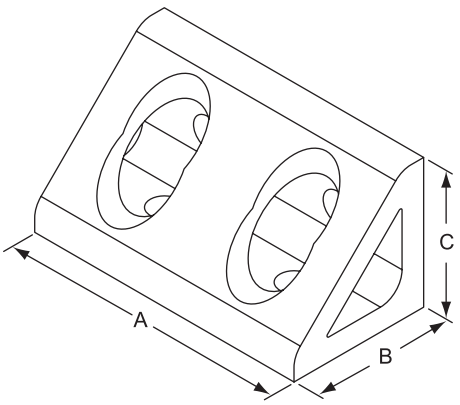
Part No.	Series	Qty	Description
75-3404	25	4	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	4	M8 x 16mm BHSCS & Econ T-Nut

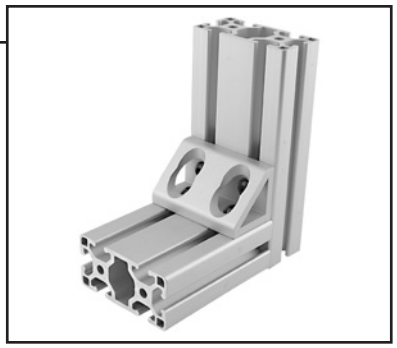
Part No.	A	B	C	kg.
25-4136	22.00	50.00	50.00	.041
40-4336	36.00	80.00	80.00	.125

NOTE: For more mounting hardware options, see page 757.

4 Hole Inside Gusset Corner Bracket

Page 757





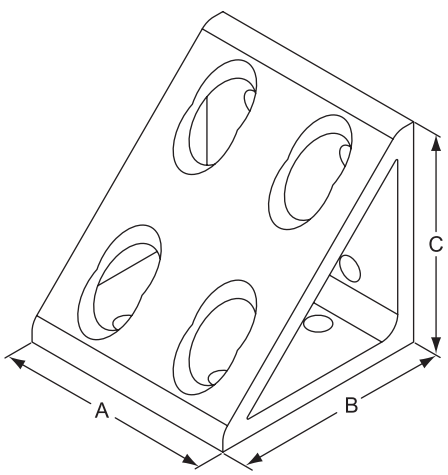
25 Series Recommended Mounting Hardware:

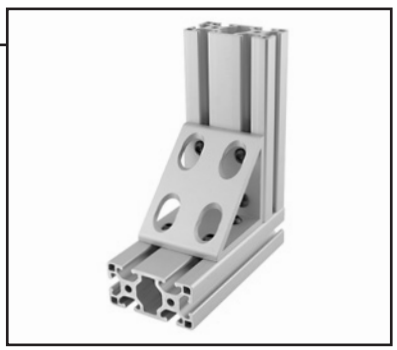
Part No.	Series	Qty	Description
75-3404	25	4	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	4	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	kg.
25-4134	47.00	25.00	25.00	.036
40-4334	76.00	40.00	40.00	.112

8 Hole Inside Gusset Corner Bracket

Page 757





Recommended Mounting Hardware:

Part No.	Series	Qty	Description
75-3404	25	8	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	8	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	kg.
25-4138	47.00	50.00	50.00	.082
40-4338	76.00	80.00	80.00	.250

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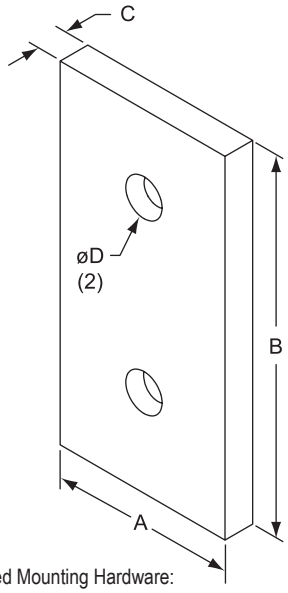
NOTE: For more mounting hardware options, see page 757.

2 Hole Joining Strip



Page 757

25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	2	M6 x 10mm BHSCS & Econ T-Nut

30 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3600	2	M6 x 12mm BHSCS & Drop-In T-Nut
OR		
75-3633	2	M6 x 20mm Drop-In T-Stud & Flanged Hex Nut

45 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3619	2	M8 x 18mm BHSCS & Drop-In T-Nut
OR		
75-3632	2	M8 x 20mm Drop-In T-Stud & Flanged Hex Nut

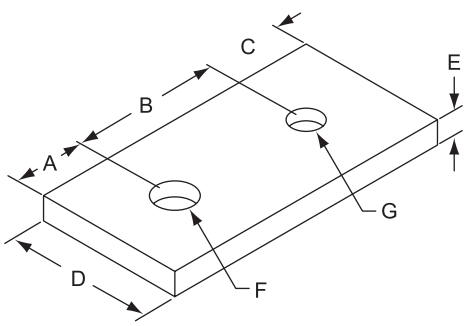
40 Series Recommended Mounting Hardware:

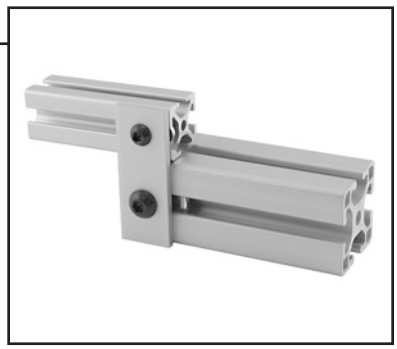
Part No.	Qty	Description
75-3422	2	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	2	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	C	D	kg.
25-4107	22.00	50.00	4.00	6.30	.013
30-4307	27.00	60.00	4.00	6.30	.016
40-4307	39.80	80.00	6.00	8.30	.048
45-4307	42.00	90.00	6.00	8.30	.058

2 Hole Transition Strip

Joins 25 Series to 40 Series T-Slotted Profiles





Recommended Mounting Hardware:

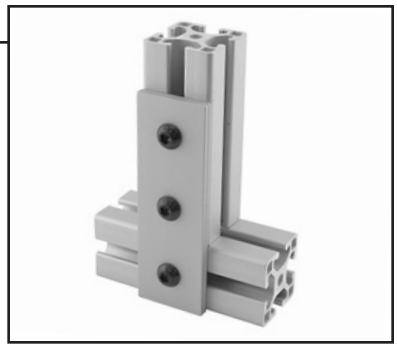
Part No.	Qty	Description
75-3404	1	M6 x 10mm BHSCS & Econ T-Nut
AND		
75-3422	1	M8 x 16mm BHSCS & Econ T-Nut

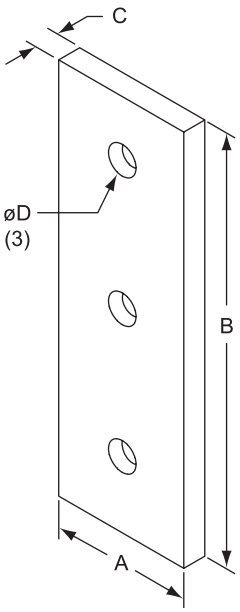
Part No.	A	B	C	D	E	F	G	kg.
65-4510	20.00	32.50	12.50	25.00	4.00	ø8.30	ø6.30	.014

NOTE: For more mounting hardware options, see page 757.

3 Hole Joining Strip

Page 757





25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	3	M6 x 10mm BHSCS & Econ T-Nut

30 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3600	3	M6 x 12mm BHSCS & Drop-In T-Nut
OR		
75-3633	3	M6 x 20mm Drop-In T-Stud & Flanged Hex Nut

40 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	3	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	3	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

45 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3619	3	M8 x 18mm BHSCS & Drop-In T-Nut
OR		
75-3632	3	M8 x 20mm Drop-In T-Stud & Flanged Hex Nut

Part No.	A	B	C	D	kg.	Compatibilty Code
25-4118	22.00	75.00	4.00	6.30	.020	6-25
30-4306	27.00	90.00	4.00	6.30	.024	8-30
40-4306	39.80	120.00	6.00	8.30	.073	8-40
45-4306	42.00	135.00	6.00	8.30	.087	10-45

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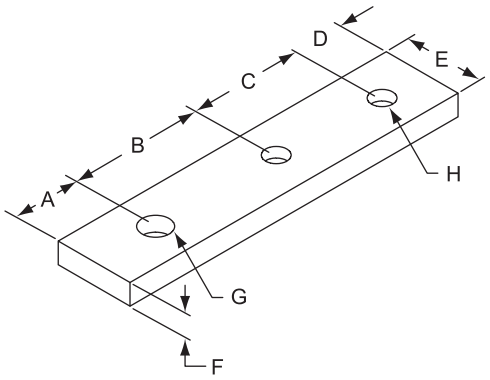
3 Hole Transition Strip

Page 757



Joins 25 Series to 40 Series T-Slotted Profiles

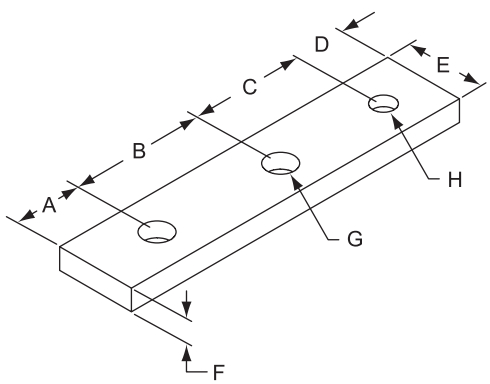
Recommended Mounting Hardware:

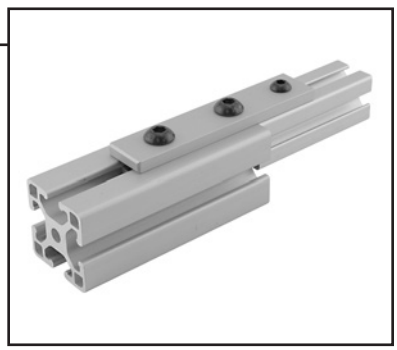
Part No.	Qty	Description
75-3405	2	M6 x 12mm BHSCS & Econ T-Nut
AND		
75-3422	1	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	G	H	kg.
65-4506	20.00	32.50	25.00	12.50	22.00	6.00	ø8.30	ø6.30	.020

3 Hole Transition Strip

Page 757





Joins 25 Series to 40 Series T-Slotted Profiles

Recommended Mounting Hardware:

Part No.	Qty	Description
75-3405	1	M6 x 12mm BHSCS & Econ T-Nut
AND		
75-3422	2	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F	G	H	kg.
65-4505	20.00	40.00	32.50	12.50	22.00	6.00	ø8.30	ø6.30	.020

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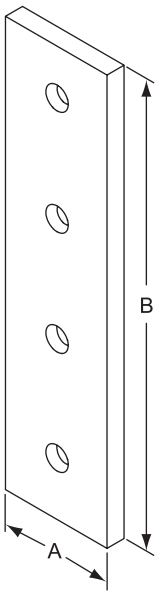
NOTE: For more mounting hardware options, see page 757.

4 Hole Joining Strip



Page 757

25 Series Recommended Mounting Hardware:

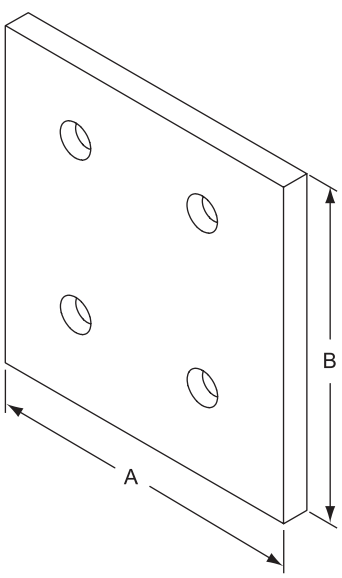
Part No.	Qty	Description
75-3404	4	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	4	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	4	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	kg.
25-4117	22.00	100.00	.027
40-4305	39.80	160.00	.098

4 Hole Joining Plate



Page 757

25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	4	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	4	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	4	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	kg.
25-4167	50.00	50.00	.033
40-4367	80.00	80.00	.095

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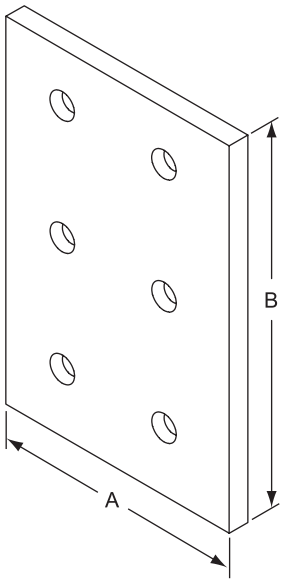
NOTE: For more mounting hardware options, see page 757.

6 Hole Joining Plate



Page 757

25 Series Recommended Mounting Hardware:

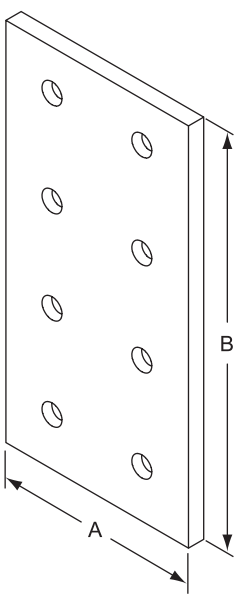
Part No.	Qty	Description
75-3404	6	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	6	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	6	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	kg.
25-4166	50.00	75.00	.047
40-4366	80.00	120.00	.145

8 Hole Joining Plate



Page 757

25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	8	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

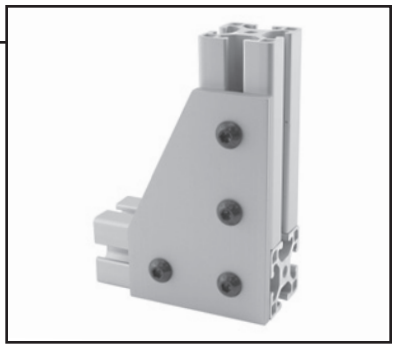
Part No.	Qty	Description
75-3422	8	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	8	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

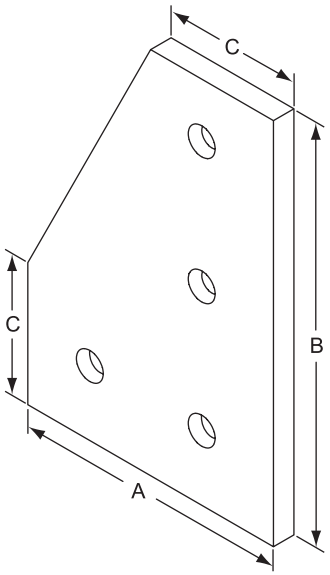
Part No.	A	B	kg.
25-4165	50.00	100.00	.062
40-4365	80.00	160.00	.193

NOTE: For more mounting hardware options, see page 757.

4 Hole 90° Joining Plate

Page 757





25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	4	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	4	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	4	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

4

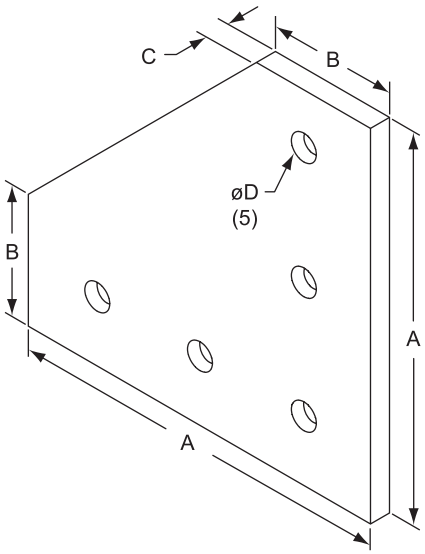
Part No.	A	B	C	kg.
25-4150	50.00	75.00	25.00	.040
40-4350	80.00	120.00	40.00	.118

www.8020.net/plate.asp

NOTE: For more mounting hardware options, see page 757.

5 Hole 90° Joining Plate

Page 757



25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	5	M6 x 10mm BHSCS & Econ T-Nut

30 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3600	5	M6 x 12mm BHSCS & Drop-In T-Nut
OR		
75-3633	5	M6 x 20mm Drop-In T-Stud & Flanged Hex Nut

40 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	5	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	5	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

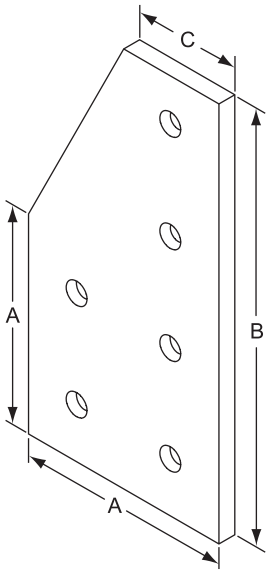
45 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3619	5	M8 x 18mm BHSCS & Drop-In T-Nut
OR		
75-3632	5	M8 x 20mm Drop-In T-Stud & Flanged Hex Nut

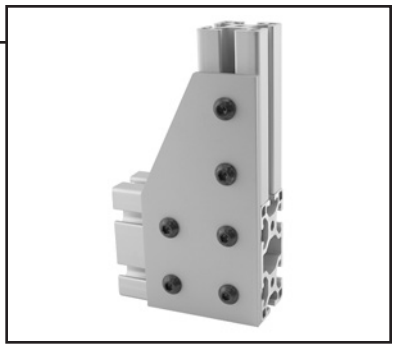
Part No.	A	B	C	D	kg.
25-4151	75.00	25.00	4.00	6.30	.056
30-4351	90.00	30.00	4.00	6.30	.064
40-4351	120.00	40.00	6.00	8.30	.168
45-4351	135.00	45.00	6.00	8.30	.168

NOTE: For more mounting hardware options, see page 757.

6 Hole 90° Joining Plate



Page 757



25 Series Recommended Mounting Hardware:

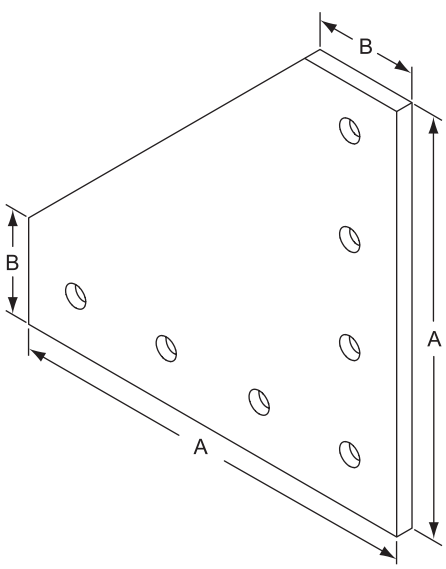
Part No.	Qty	Description
75-3404	6	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

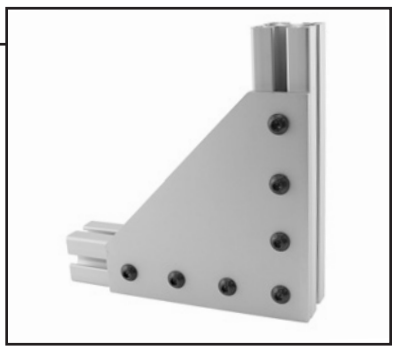
Part No.	Qty	Description
75-3422	6	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	6	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	C	kg.
25-4120	50.00	100.00	25.00	.053
40-4320	80.00	160.00	40.00	.168

7 Hole 90° Joining Plate



Page 757



25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	7	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	7	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	7	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	kg.
25-4152	100.00	25.00	.089
40-4352	160.00	40.00	.279

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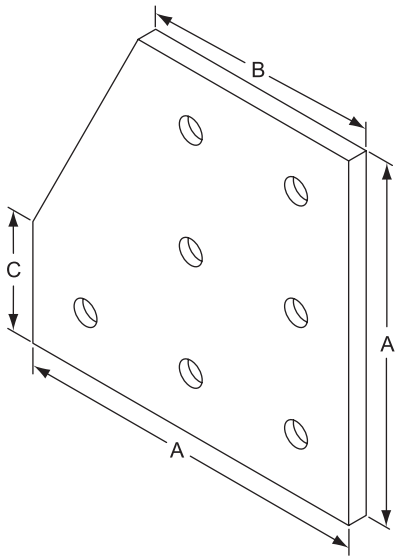
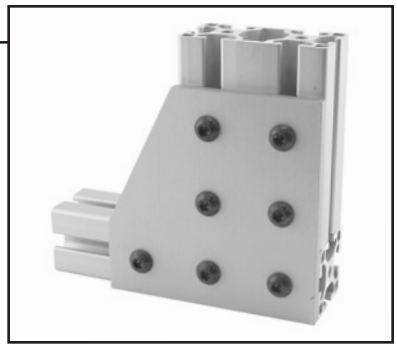
NOTE: For more mounting hardware options, see page 757.

7 Hole 90° Joining Plate



Page 757



25 Series Recommended Mounting Hardware:

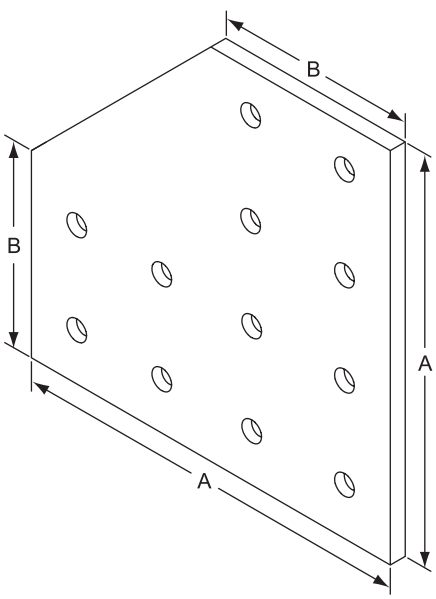
Part No.	Qty	Description
75-3404	7	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

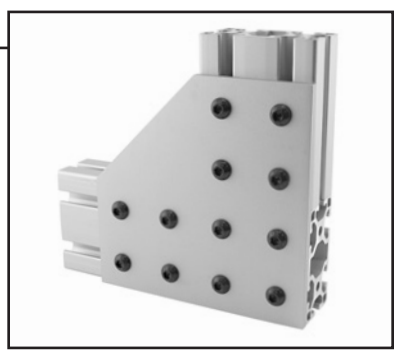
Part No.	Qty	Description
75-3422	7	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	7	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	C	kg.
25-4129	75.00	50.00	25.00	.060
40-4329	120.00	80.00	40.00	.188

12 Hole 90° Joining Plate



Page 757



25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	12	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	12	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	12	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	kg.
25-4128	100.00	50.00	.107
40-4328	160.00	80.00	.331

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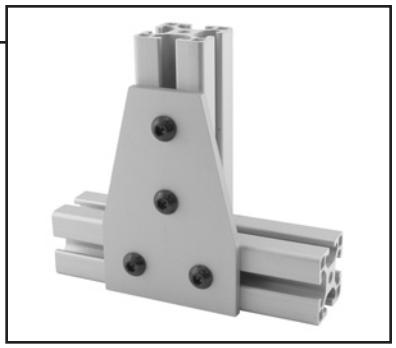
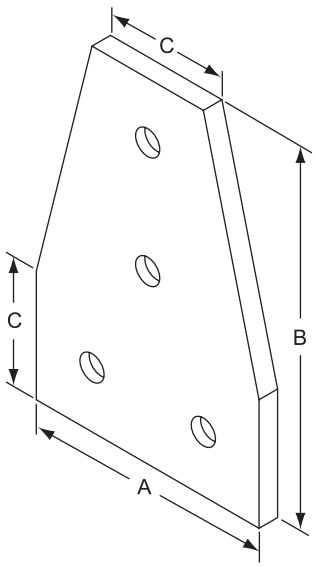
THE STANDARD

NOTE: For more mounting hardware options, see page 757.

4 Hole Tee Joining Plate

Page 757





25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	4	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	4	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	4	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	C	kg.
25-4141	50.00	75.00	25.00	.038
40-4341	80.00	120.00	40.00	.118

CUSTOMIZE YOUR PROJECT WITH ANY OF THESE 80/20® ACCESSORIES

- End Caps - Page 918
- T-Slot Covers - Page 920
- Table Tops - Page 922
- Cart Guard® - Page 924
- AkroBins® - Page 923
- Bumpers - Page 928
- Tool Hangers - Page 926
- Tube Clamps - Page 932
- Wiring Duct - Page 930
- Pressure Manifolds - Page 934
- Document Holders - Page 929

- **Custom designs to fit your space constraints**
- **Workstation & desk components to meet the demands and needs of the job at hand**
- **Aesthetically pleasing**
- **End or side mounts for manifold plates, even CUSTOM plates (our specialty)**
- **Accessories to compliment your design even more**
- **COLORS! COLORS! COLORS!**
- **One-Stop Shopping!…only at 80/20®**

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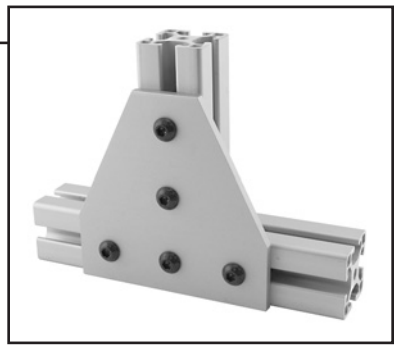
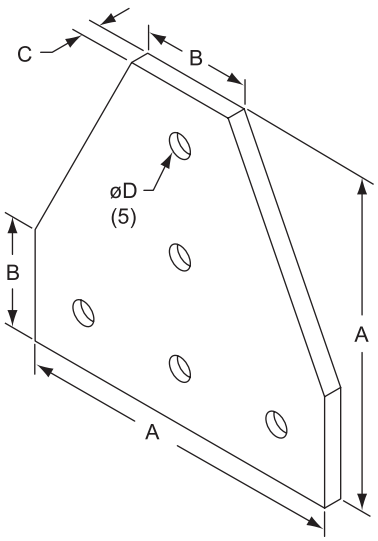
NOTE: For more mounting hardware options, see page 757.

5 Hole Tee Joining Plate

Page 757





25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	5	M6 x 10mm BHSCS & Econ T-Nut

30 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3600	5	M6 x 12mm BHSCS & Drop-In T-Nut
OR		
75-3633	5	M6 x 20mm Drop-In T-Stud & Flanged Hex Nut

40 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	5	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	5	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

45 Series Recommended Mounting Hardware:

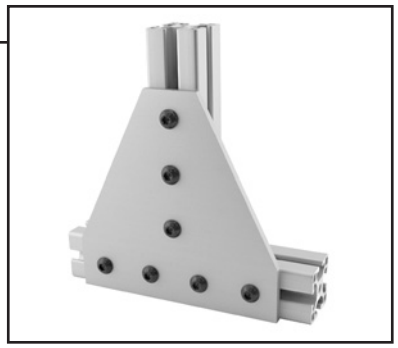
Part No.	Qty	Description
75-3619	5	M8 x 18mm BHSCS & Drop-In T-Nut
OR		
75-3632	5	M8 x 20mm Drop-In T-Stud & Flanged Hex Nut

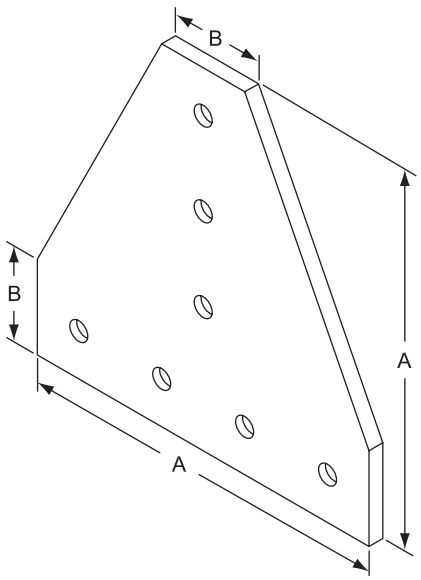
Part No.	A	B	C	D	kg.
25-4140	75.00	25.00	4.00	6.30	.053
30-4340	90.00	30.00	4.00	6.30	.064
40-4340	120.00	40.00	6.00	8.30	.168
45-4340	135.00	45.00	6.00	8.30	.220

NOTE: For more mounting hardware options, see page 757.

7 Hole Tee Joining Plate

Page 757





25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	7	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	7	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	7	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	kg.
25-4112	100.00	25.00	.089
40-4312	160.00	40.00	.279

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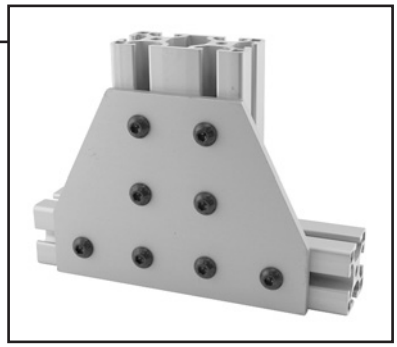
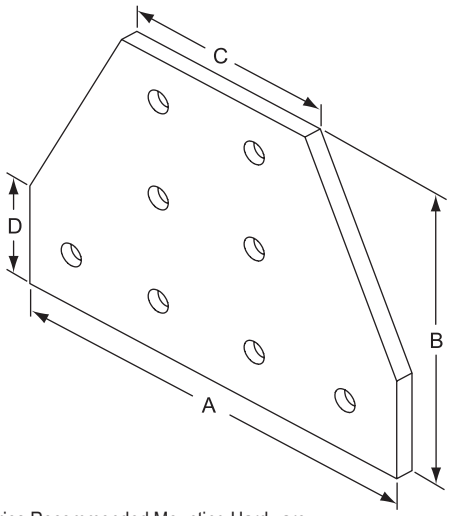
NOTE: For more mounting hardware options, see page 757.

8 Hole Tee Joining Plate

Page 757





25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	8	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	8	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	8	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

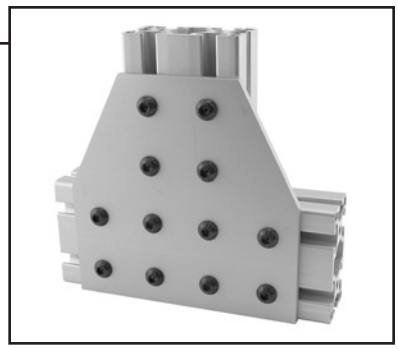
45 Series Recommended Mounting Hardware:

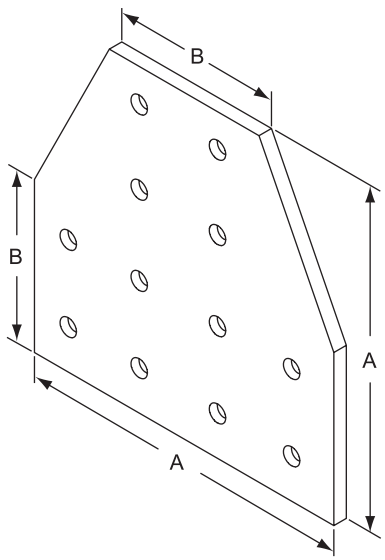
Part No.	Qty	Description
75-3619	8	M8 x 18mm BHSCS & Drop-In T-Nut
OR		
75-3632	8	M8 x 20mm Drop-In T-Stud & Flanged Hex Nut

Part No.	A	B	C	D	kg.
25-4155	100.00	75.00	50.00	25.00	.076
40-4355	160.00	120.00	80.00	40.00	.238
45-4355	180.00	135.00	90.00	45.00	.269

12 Hole Tee Joining Plate

Page 757





25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	12	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

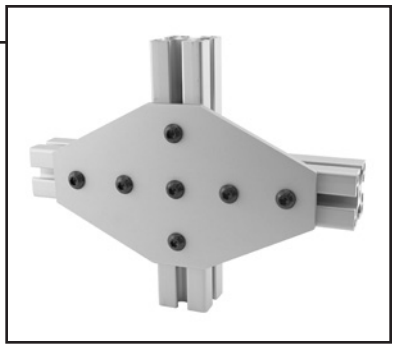
Part No.	Qty	Description
75-3422	12	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	12	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

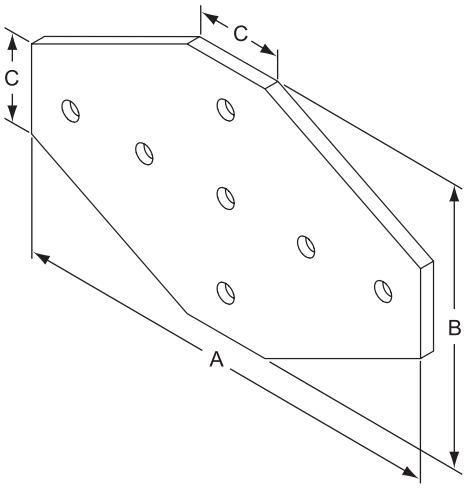
Part No.	A	B	kg.
25-4125	100.00	50.00	.107
40-4325	160.00	80.00	.324

NOTE: For more mounting hardware options, see page 757.

7 Hole Cross Joining Plate

Page 757





25 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3404	7	M6 x 10mm BHSCS & Econ T-Nut

30 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3600	7	M6 x 12mm BHSCS & Drop-In T-Nut
OR		
75-3633	7	M6 x 20mm Drop-In T-Stud & Flanged Hex Nut

45 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3619	7	M8 x 18mm BHSCS & Drop-In T-Nut
OR		
75-3632	7	M8 x 20mm Drop-In T-Stud & Flanged Hex Nut

40 Series Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	7	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	7	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	C	D	E	kg.
25-4135	125.00	75.00	25.00	4.00	6.30	.089
30-4335	150.00	90.00	30.00	4.00	6.30	.102
40-4335	200.00	120.00	40.00	6.00	8.30	.265
45-4335	225.00	135.00	45.00	6.00	8.30	.298

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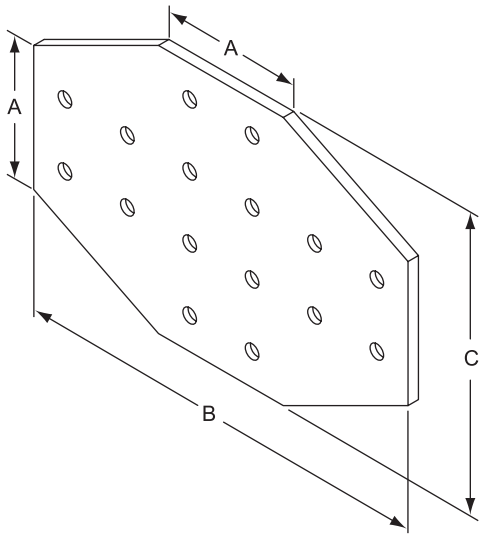
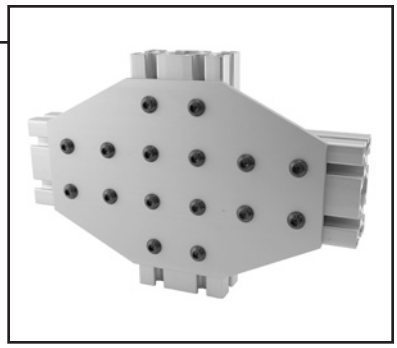
NOTE: For more mounting hardware options, see page 757.

16 Hole Cross Joining Plate



Page 757



25 Series Recommended Mounting Hardware:

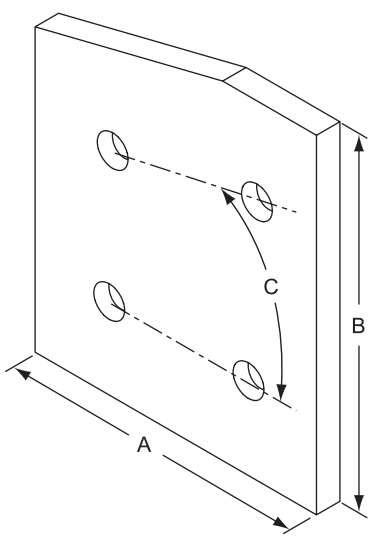
Part No.	Qty	Description
75-3404	16	M6 x 10mm BHSCS & Econ T-Nut

40 Series Recommended Mounting Hardware:

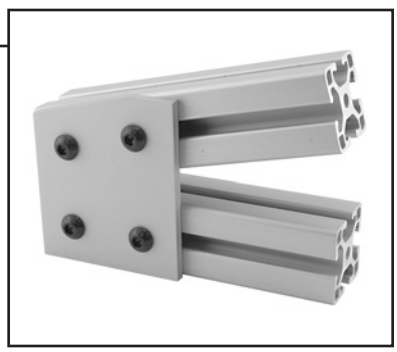
Part No.	Qty	Description
75-3422	16	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	16	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	C	kg.
25-4170	50.00	150.00	100.00	.156
40-4370	80.00	240.00	160.00	.469

4 Hole 15° Angle Joining Plate



Page 757



Recommended Mounting Hardware:

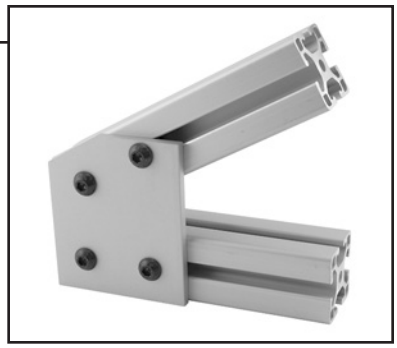
Part No.	Qty	Description
75-3422	4	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	4	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

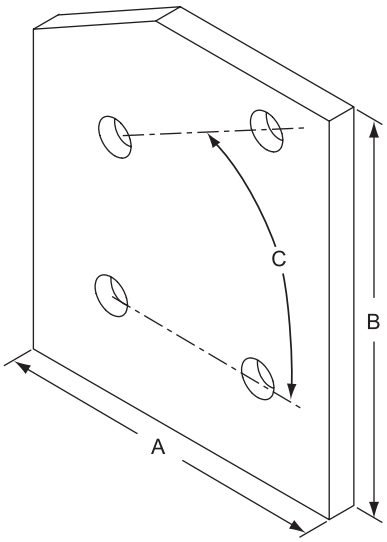
Part No.	A	B	C	kg.
40-4316	80.00	94.00	15°	.107

NOTE: For more mounting hardware options, see page 757.

4 Hole 30° Angle Joining Plate

Page 757





Recommended Mounting Hardware:

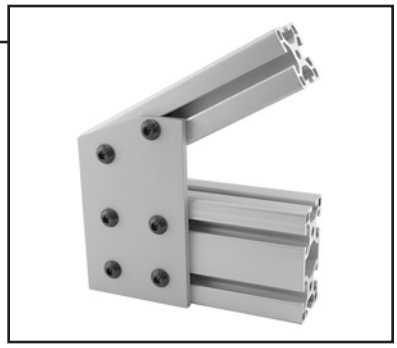
Part No.	Qty	Description
75-3422	4	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	4	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

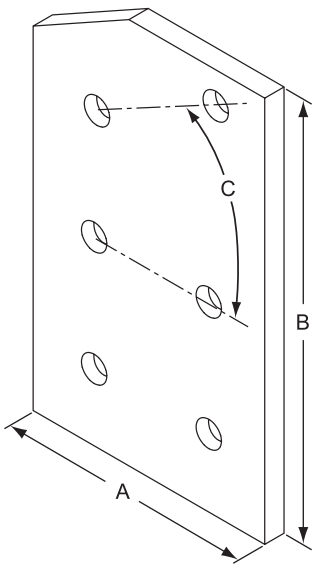
Part No.	A	B	C	kg.
40-4331	80.00	93.37	30°	.107

4

6 Hole 30° Angle Joining Plate

Page 757





Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	6	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	6	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	C	kg.
40-4330	80.00	133.38	30°	.154

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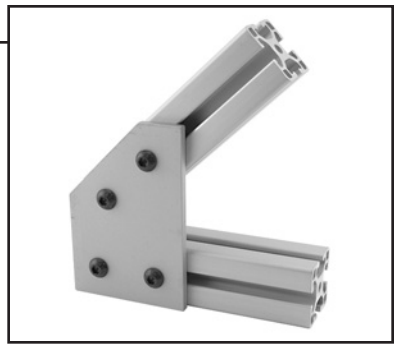
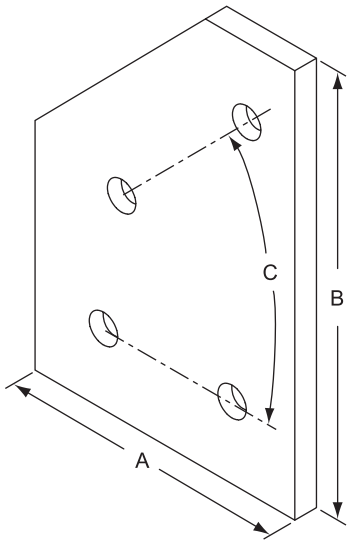
NOTE: For more mounting hardware options, see page 757.

4 Hole 45° Angle Joining Plate

Page 757





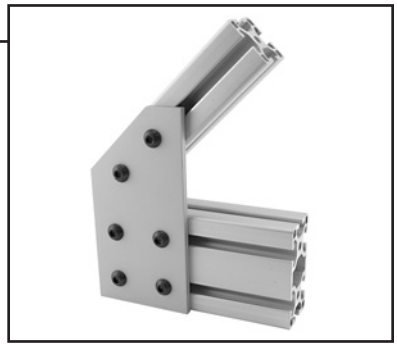
Recommended Mounting Hardware:

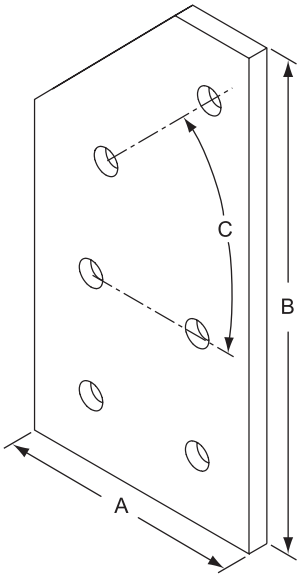
Part No.	Qty	Description
75-3422	4	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	4	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	C	kg.
40-4346	80.00	120.00	45°	.125

6 Hole 45° Angle Joining Plate

Page 757





Recommended Mounting Hardware:

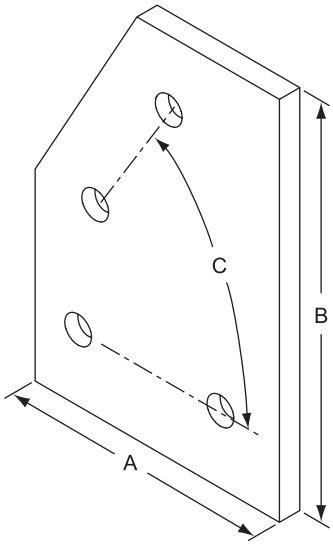
Part No.	Qty	Description
75-3422	6	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	6	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	C	kg.
40-4345	80.00	160.00	45°	.173

NOTE: For more mounting hardware options, see page 757.

4 Hole 60° Angle Joining Plate

Page 757



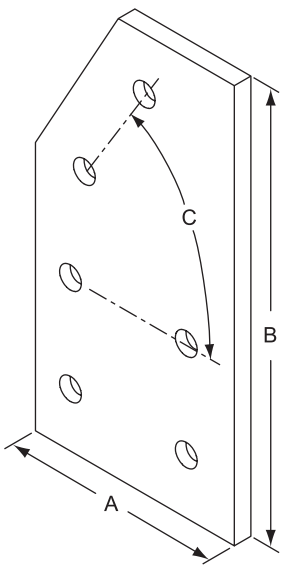
Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	4	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	4	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	C	kg.
40-4361	80.00	120.00	60°	.130

6 Hole 60° Angle Joining Plate

Page 757



Recommended Mounting Hardware:

Part No.	Qty	Description
75-3422	6	M8 x 16mm BHSCS & Econ T-Nut
OR		
75-3500	6	M8 x 20mm Econ. T-Slot Stud, Washer, Hex Nut

Part No.	A	B	C	kg.
40-4362	80.00	160.00	60°	.177

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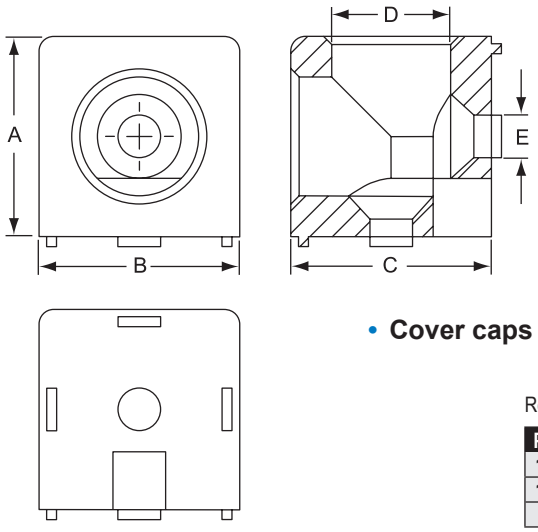
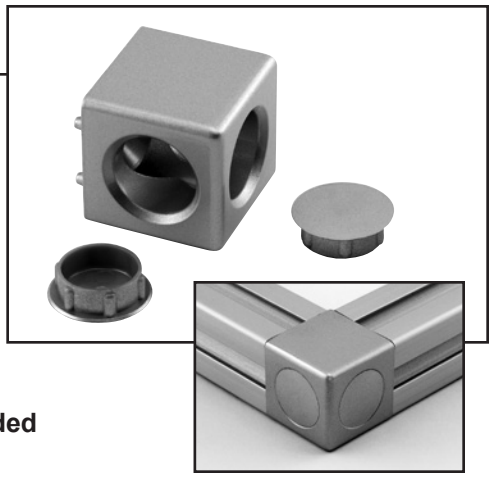
* See Compatibility Code information on page 642.

2-Way Corner Connector

Die-Cast Aluminum, Lacquered Finish





- **Cover caps included**

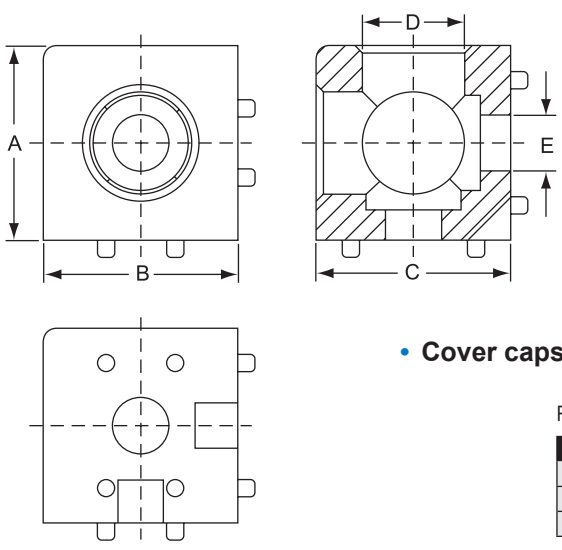
Recommended Mounting Hardware:

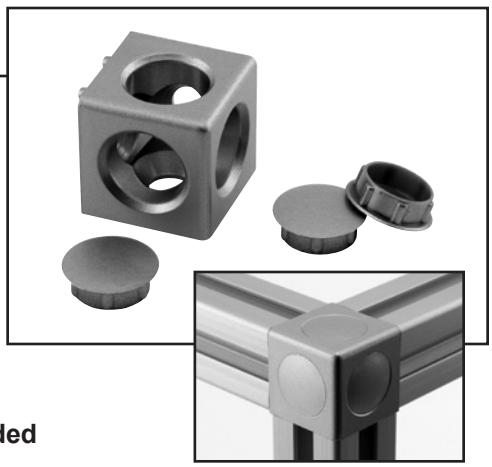
Part No.	Series	Qty	Description	Compatibility Code*
11-8320	30	2	M8 x 20mm BHSCS	8-30
11-8325	40	2	M8 x 25mm BHSCS	8-40
13003	45	2	M12 x 30mm BHSCS	10-45

Part No.	A	B	C	D	E	kg.	Compatibility Code*
14170	30.00	30.00	30.00	17.80	9.00	.0517	8-30
14172	40.00	40.00	40.00	23.70	8.50	.1220	8-40
14174	45.00	45.00	45.00	23.70	13.00	.1764	10-45

3-Way Corner Connector

Die-Cast Aluminum, Lacquered Finish





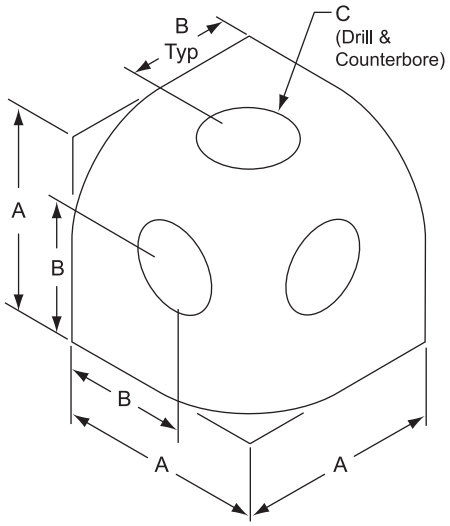
- **Cover caps included**

Recommended Mounting Hardware:

Part No.	Series	Qty	Description	Compatibility Code*
11-8320	30	3	M8 x 20mm BHSCS	8-30
11-8325	40	3	M8 x 25mm BHSCS	8-40
13003	45	3	M12 x 30mm BHSCS	10-45

Part No.	A	B	C	D	E	kg.	Compatibility Code*
14171	30.00	30.00	30.00	17.80	9.00	.0426	8-30
14173	40.00	40.00	40.00	23.70	8.50	.0980	8-40
14175	45.00	45.00	45.00	23.70	13.00	.1415	10-45

Rounded Tri-Corner Connector

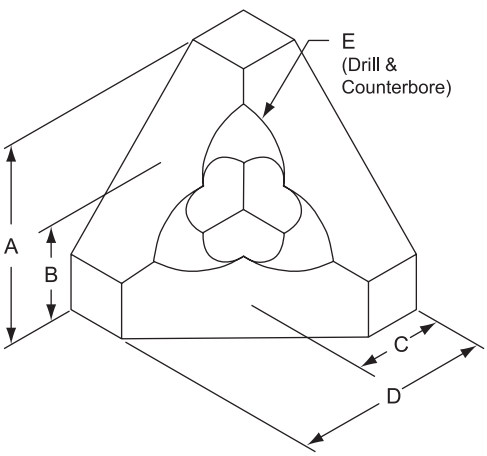


Recommended Mounting Hardware:

Part No.	Qty	Description
13-8525	3	M8 x 25mm SHCS

Part No.	A	B	C	kg.
40-4443	40.00	20.00	M8	.097

Triangular Tri-Corner Connector



Recommended Mounting Hardware:

Part No.	Qty	Description
13-8525	3	M8 x 25mm SHCS

Part No.	A	B	C	D	E	kg.
40-4441	40.00	20.00	20.00	40.00	M8	.069

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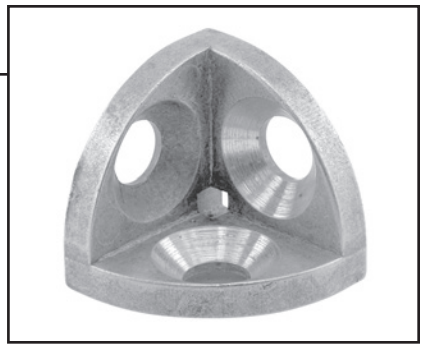
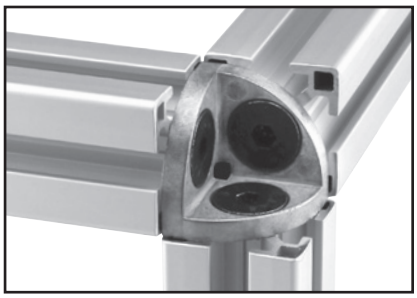
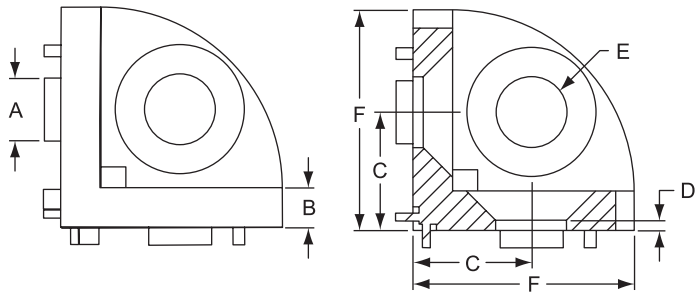
3-Way Corner Bracket

Die-Cast Zinc, Natural Finish

- **The ends of the profile require an M8 tap machining service, No. 30-7059, see page 1030**
- **Square cover cap is available, see below**







Recommended Mounting Hardware:

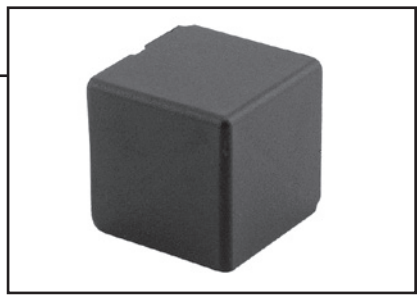
Part No.	Qty	Description
11-8716	3	M8 x 16mm black zinc FHSCS

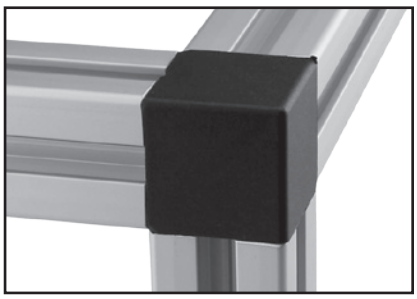
Part No.	A (Slot Tab)	B	C	D	E	F	kg.	Compatibility Code*
14112	8.00	5.00	15.00	1.30	9.00	28.00	.039	8-30

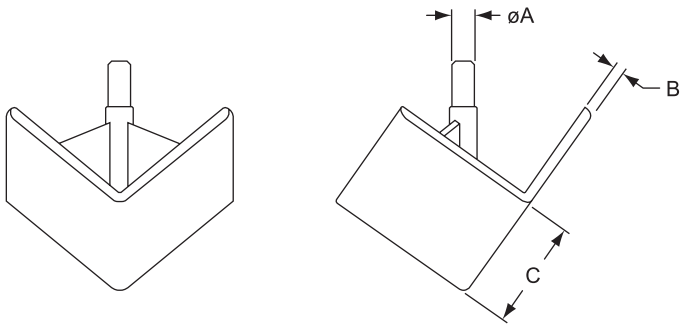
Square Cover Cap for 3-Way Corner Bracket

Fiberglass-Reinforced Nylon, Black

- **Press-fit - no fasteners required**





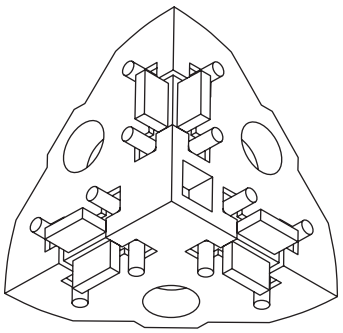


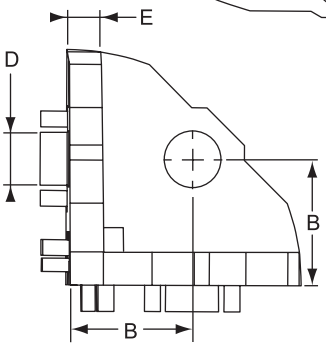
Part No.	A	B	C	kg.	Fits On	Compatibility Code*
12041	4.20	2.00	30.00	.010	14112	8-30

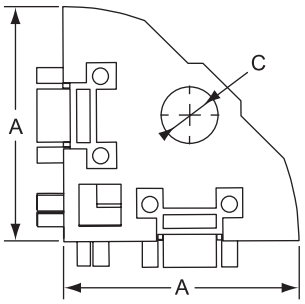
* See Compatibility Code information on page 642.

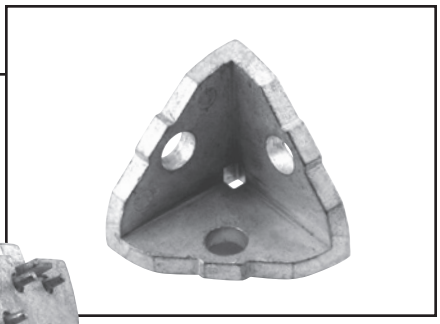
3-Way Corner Bracket

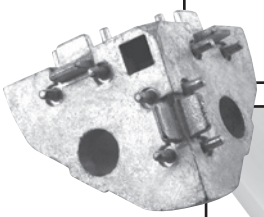
Die-Cast Zinc, Natural Finish

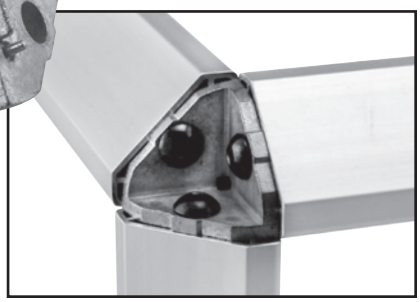












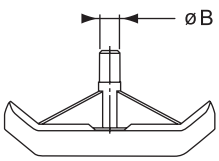
Recommended Mounting Hardware:

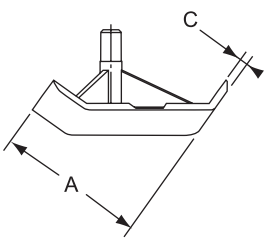
Part No.	Series	Qty	Description
11-8320	40	3	M8 x 20mm BHSCS

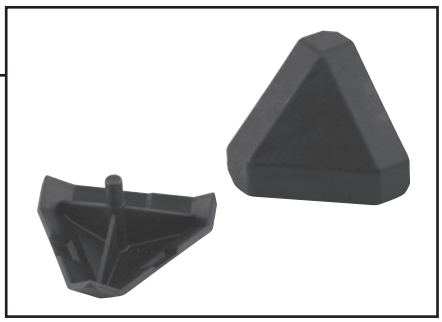
Part No.	A	B	C	D (Slot Tab)	E	kg.	Compatibility Code*
14114	37.50	20.00	9.00	8.00	5.00	.083	8-40

Angle Cover Cap for 3-Way Corner Bracket

Fiberglass-Reinforced Nylon, Black







Part No.	A	B	C	kg.	Fits On	Compatibility Code*
12047	40.00	5.00	2.00	.008	14114	8-40 (40-4045-Lite)

* See Compatibility Code information on page 642.

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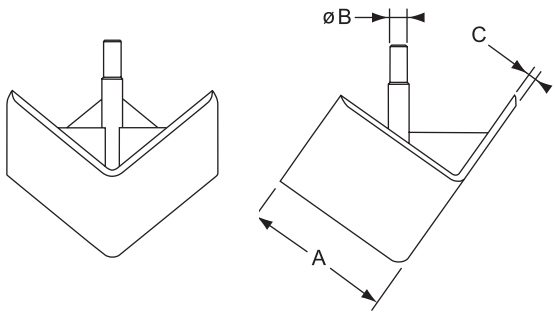
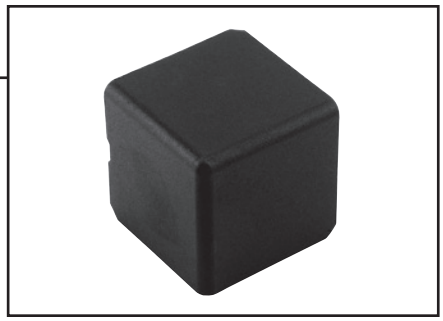
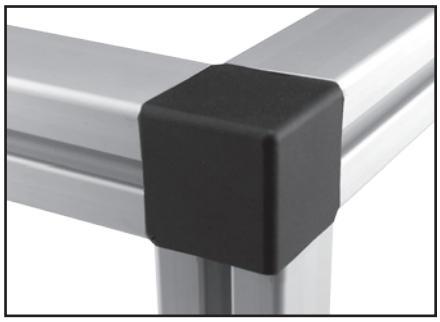
Square Cover Cap for 3-Way Corner Bracket

Fiberglass-Reinforced Nylon, Black



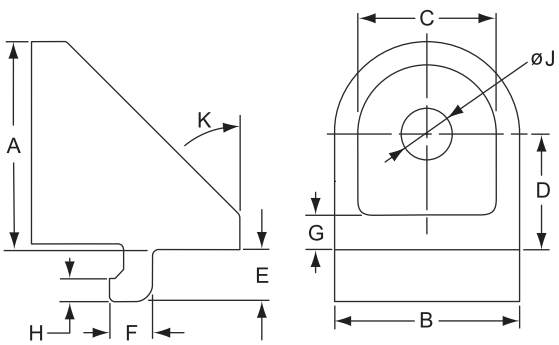




Part No.	A	B	C	kg.	Fits On	Compatibility Code*
12045	40.00	5.00	2.00	.015	14114	8-40

Clamp Block, Adjustable Angle

Die-Cast Zinc, Powder Coat Aluminum Color



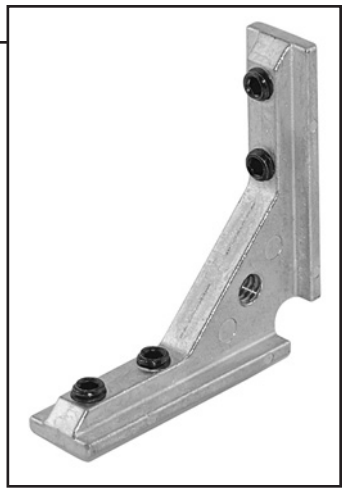
Recommended Mounting Hardware:

Part No.	Qty	Description
75-3625	1	M8 x 16mm SHCS & Slide-In T-nut

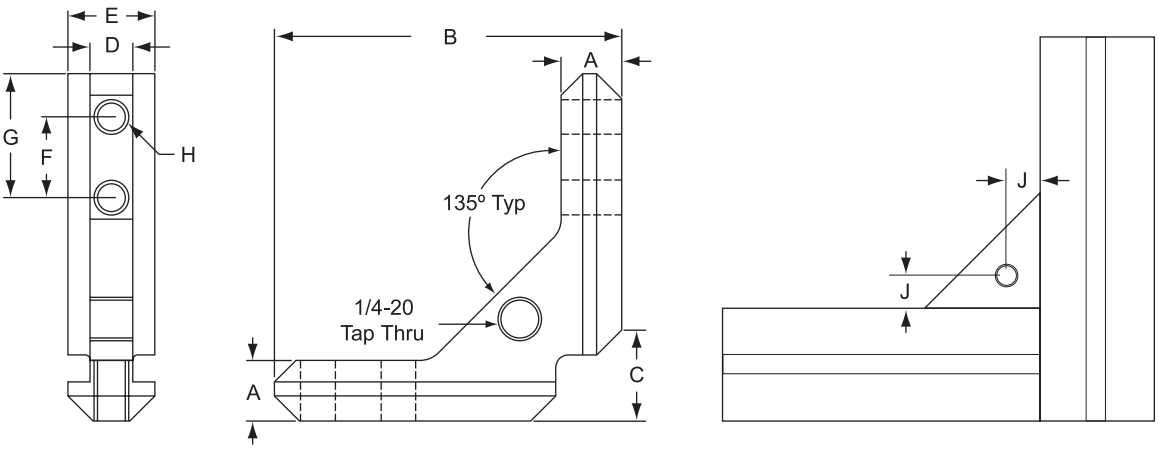
Part No.	A	B	C	D	E	F	G	H	J (Diameter)	K	kg.	Compatibility Code*
14117	36.00	32.00	24.00	20.00	9.00	7.50	6.00	4.00	9.00	45°	.100	8-40

* See Compatibility Code information on page 642.

90° Inside Corner Connector



- 40 Series compatible
- Provides a strong internal 90º corner connection
- Four 1/4-20 set screws included for securing inside T-slotted profiles
- No machining required
- 40-3368 is made from die-cast zinc and has a 1/4-20 panel mount hole



Part No.	Material	A	B	C	D	E	F	G	H	J	kg.
40-3368	Die Cast Zinc	11.00	63.50	12.00	8.00	16.00	16.00	24.00	1/4-20	7.50	.009

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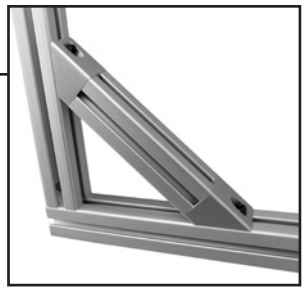
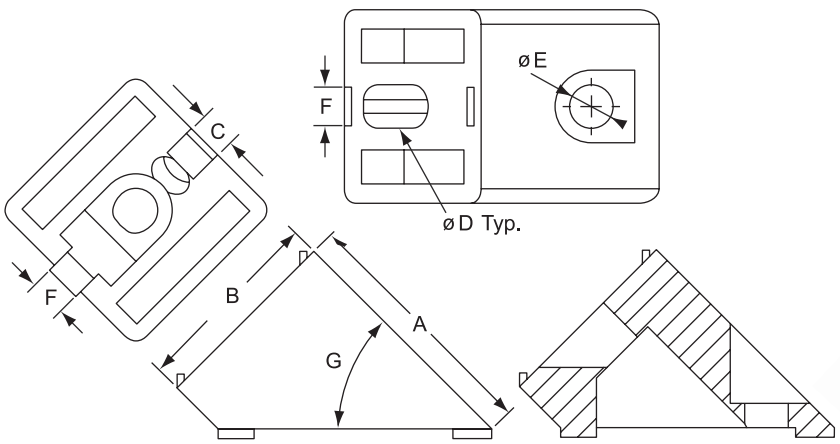
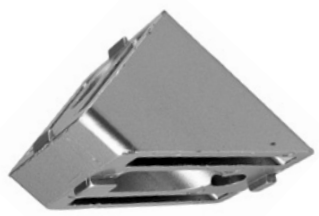
45° Support Connector

Die-Cast Zinc, Powder Coat







Recommended Mounting Hardware:

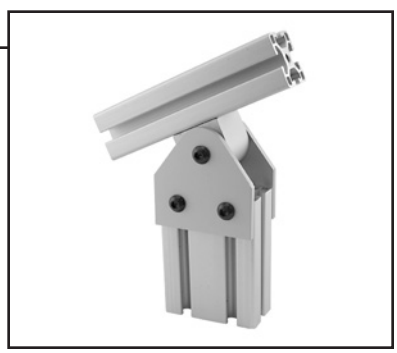
Part No.	Location	Qty	Description
11-8520	To Profile End	1	M8 x 20mm SHCS
75-3621	To T-Slot	1	M8 x 16mm SHCS & Econ. Slide-In T-nut

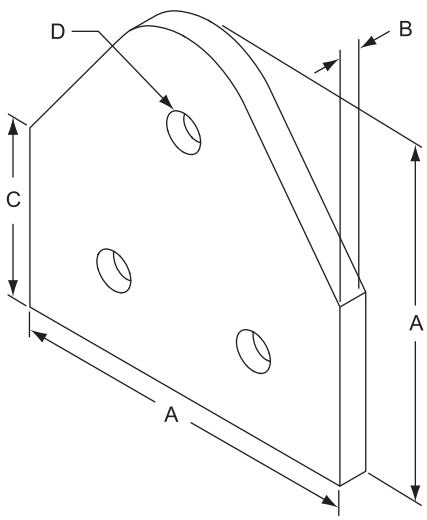
Part No.	Finish	A	B	C	D	E	F (Slot Tab)	G	kg.	Compatibility Code*
14118	Powder Coat - Aluminum Color	52.00	40.00	7.90	9.00	9.00	8.00	45°	.214	8-40

* See Compatibility Code information on page 642.

3 Hole Pivot Plate

Page 757





Recommended Mounting Hardware:

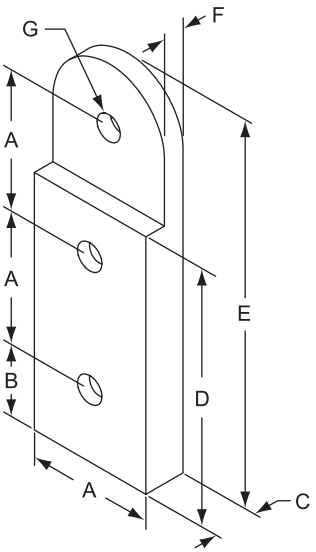
Part No.	Qty	Description
75-3422	3	M8 x 16mm BHSCS & Econ T-Nut

NOTE: For more mounting hardware options, see page 757.

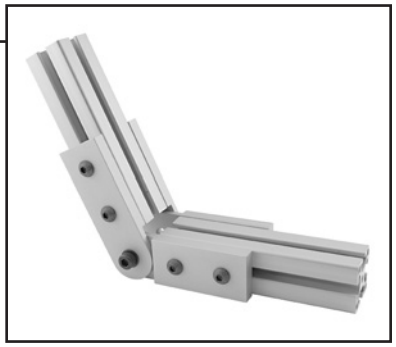
Part No.	A	B	C	D	kg.
40-4372	80.00	6.00	40.00	ø8.30	.077

NOTE: For more mounting hardware options, see page 757.

3 Hole Pivot Plate



Page 757



Recommended Mounting Hardware (Mount to Profile):

Part No.	Qty	Description
75-3427	2	M8 x 25mm BHSCS, Washer & Econ T-Nut

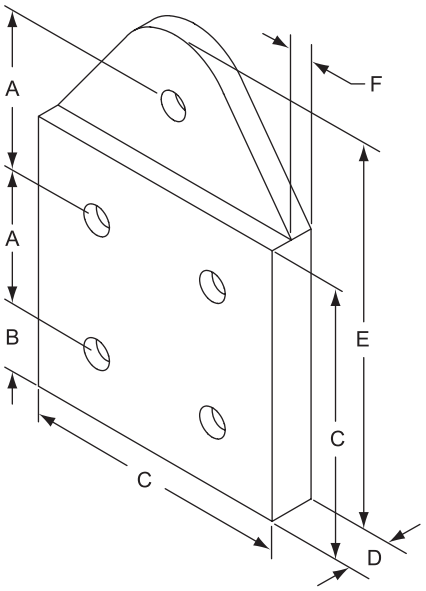
Recommended Mounting Hardware (Mount to Pivot):

Part No.	Qty	Description
75-3434	1	M8 x 25mm SHCS, Washer & Hex Nut

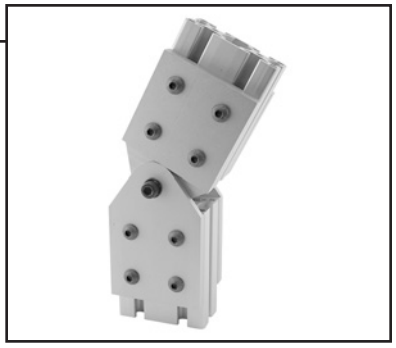
Part No.	A	B	C	D	E	F	G	kg.
40-4390	40.00	20.00	12.00	80.00	120.00	6.00	ø8.30	.118

4

5 Hole Pivot Plate



Page 757



Recommended Mounting Hardware (Mount to Profile):

Part No.	Qty	Description
75-3427	4	M8 x 25mm BHSCS, Washer & Econ T-Nut

Recommended Mounting Hardware (Mount to Pivot):

Part No.	Qty	Description
75-3434	1	M8 x 25mm SHCS, Washer & Hex T-Nut

Part No.	A	B	C	D	E	F	kg.
40-4394	40.00	20.00	80.00	12.00	120.00	6.00	.220

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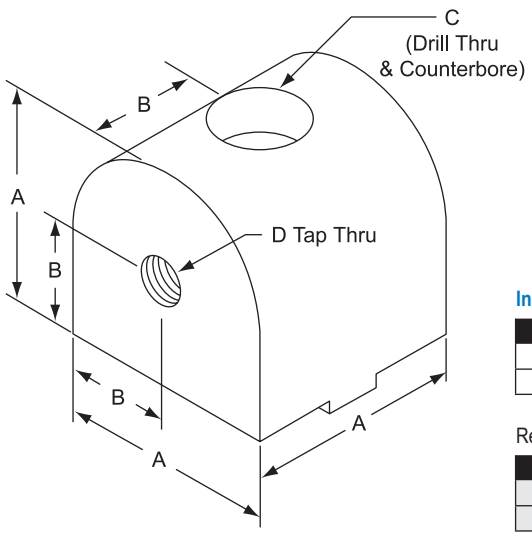
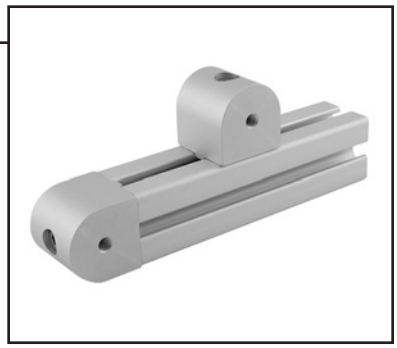
NOTE: For more mounting hardware options, see page 757.

0° Pivot Nub





Included Mounting Hardware (Mount Nub to Profile):

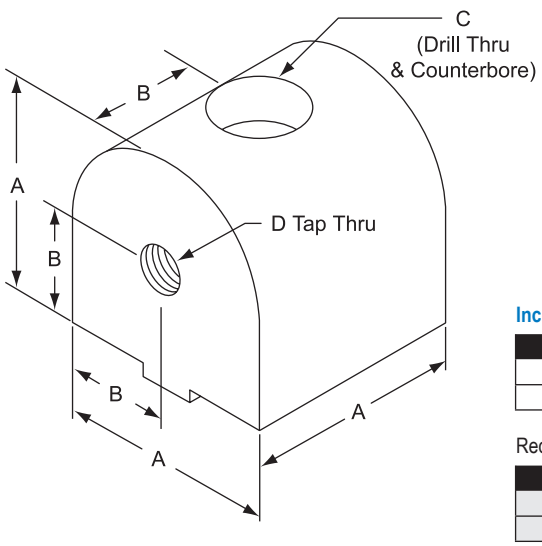
Series	Qty	Description
25	1	M6 x 25mm SHCS & Economy T-Nut
40	1	M8 x 40mm SHCS & Economy T-Nut

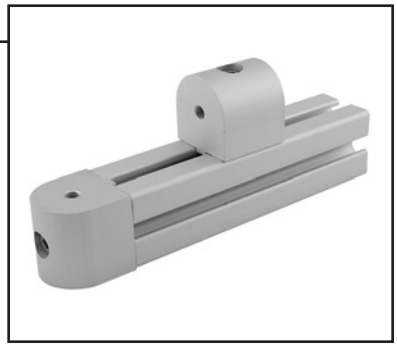
Recommended Mounting Hardware (Mount Arms to Nub):

Part No.	Series	Qty	Description
13-6312	25	2	M6 x 12mm BHSCS
13-8316	40	2	M8 x 16mm BHSCS

Part No.	A	B	C	D	kg.
25-4187	25.00	12.50	M6 SHCS	M6 x 1.0 Tap	.034
40-4387	40.00	20.00	M8 SHCS	M8 x 1.25 Tap	.148

90° Pivot Nub





Included Mounting Hardware (Mount Nub to Profile):

Series	Qty	Description
25	1	M6 x 25mm SHCS & Economy T-Nut
40	1	M8 x 40mm SHCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Arms to Nub):

Part No.	Series	Qty	Description
13-6312	25	2	M6 x 12mm BHSCS
13-8316	40	2	M8 x 16mm BHSCS

Part No.	A	B	C	D	kg.
25-4188	25.00	12.50	M6 SHCS	M6 x 1.0 Tap	.034
40-4388	40.00	20.00	M8 SHCS	M8 x 1.25 Tap	.148

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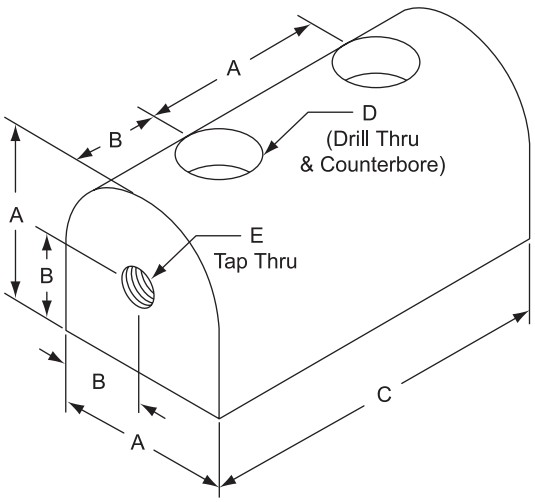
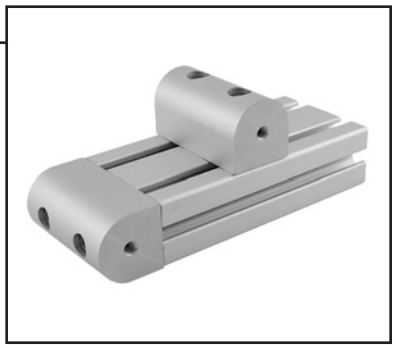
*The **Industrial** Erector Set®*
THE STANDARD

Universal Pivot Nub





Included Mounting Hardware (Mount Nub to Profile):

Series	Qty	Description
25	2	M6 x 25mm SHCS & Economy T-Nut
40	2	M8 x 40mm SHCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Arms to Nub):

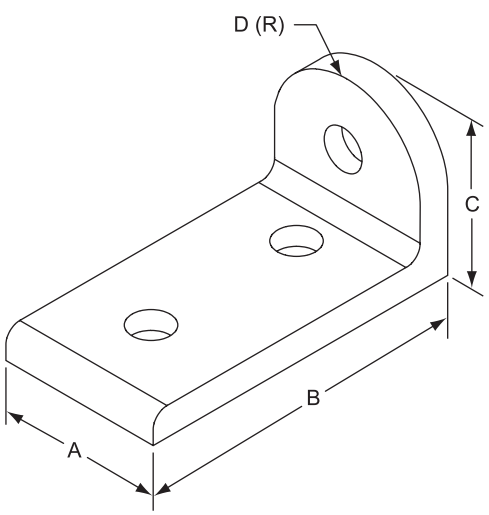
Part No.	Series	Qty	Description
13-6312	25	2	M6 x 12mm BHSCS
13-8316	40	2	M8 x 16mm BHSCS

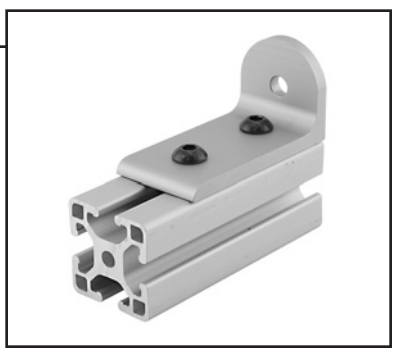
Part No.	A	B	C	D	E	kg.
25-4186	25.00	12.50	50.00	M6 SHCS	M6 x 1.0 Tap	.068
40-4386	40.00	20.00	80.00	M8 SHCS	M8 x 1.25 Tap	.295

4

"L" Pivot Arm

Page 757





Recommended Mounting Hardware:

Part No.	Series	Qty	Description
75-3404	25	3	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	3	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	D (R)	kg.
25-4149	25.00	50.00	25.00	12.50	.020
40-4349	39.80	80.00	40.00	19.90	.066

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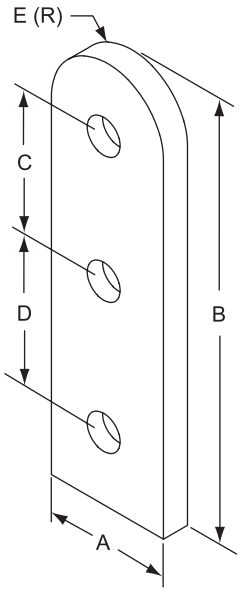
75mm/120mm Pivot Arm



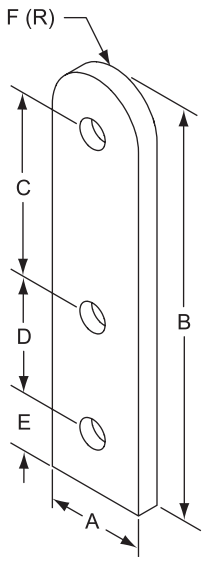
Page 757

Recommended Mounting Hardware:

Part No.	Series	Qty	Description
75-3404	25	3	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	3	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	D	E (R)	kg.
25-4196	25.00	75.00	25.00	25.00	12.50	.023
40-4396	39.80	120.00	40.00	40.00	19.90	.068

100mm/160mm Pivot Arm



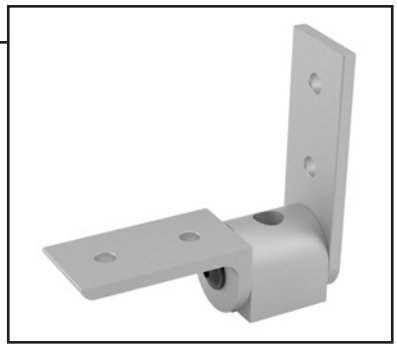
Page 757

Recommended Mounting Hardware:

Part No.	Series	Qty	Description
75-3404	25	3	M6 x 10mm BHSCS & Econ T-Nut
75-3422	40	3	M8 x 16mm BHSCS & Econ T-Nut

Part No.	A	B	C	D	E	F (R)	kg.
25-4199	25.00	100.00	50.00	25.00	12.50	12.50	.041
40-4399	39.80	160.00	80.00	40.00	20.00	19.90	.095

Standard Pivot Nub Assemblies – 25 Series



Page 757

Included Mounting Hardware (Nub to Profile):

Part No.	Qty	Description
75-3415	1 or 2	M6 x 25mm SHCS & Economy T-Nut

Included Mounting Hardware (Nub to Arms):

Part No.	Qty	Description
13-6312	2	M6 x 12mm BHSCS (Blue)

Recommended Pivot Mounting Hardware (Arms to Profile):

Part No.	Qty	Description
75-3404	4	M6 x 10mm BHSCS & Econ T-Nut

Assembly Part No.	Individual Part No. 25-4187 0° Nub Page 807	25-4188 90° Nub Page 807	25-4186 Universal Nub Page 808	25-4196 75mm / 120mm Arm Page 809	25-4149 "L" Arm Page 808
25-4197 .085 kg.	1			2	
25-4198 .085 kg.		1		2	
25-4195 .133 kg.			1	2	
25-4153 .085 kg.	1				2
25-4156 .133 kg.			1		2
25-4154 .085 kg.		1			2

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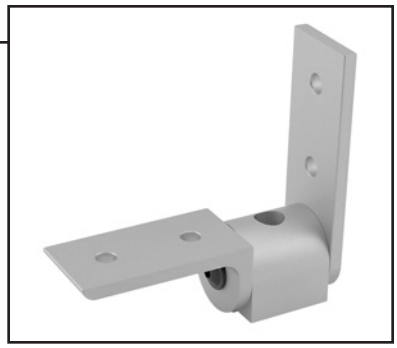
Standard Pivot Nub Assemblies – 40 Series



Page 757

Included Mounting Hardware (Nub to Profile):

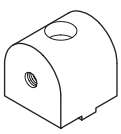
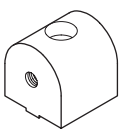
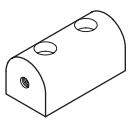
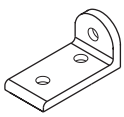
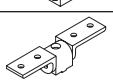
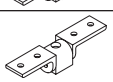
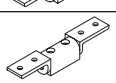
Part No.	Qty	Description
75-3480	1 or 2	M8 x 40mm SHCS & Economy T-Nut

Included Mounting Hardware (Nub to Arms):

Part No.	Qty	Description
13-8316	2	M8 x 16mm BHSCS Blue

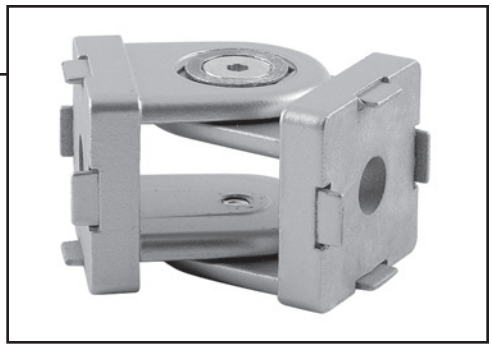
Recommended Pivot Mounting Hardware (Arms to Profile):

Part No.	Qty	Description
75-3422	4	M8 x 16mm BHSCS & Econ T-Nut

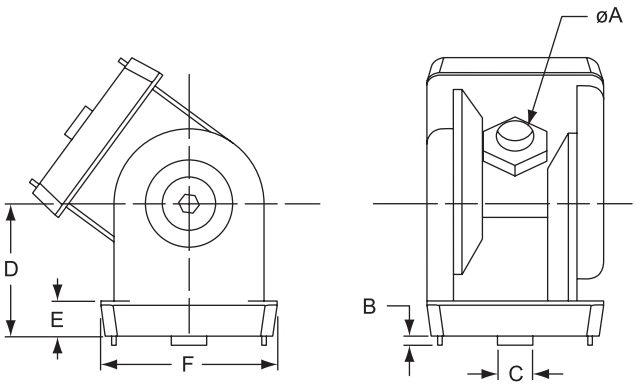
Assembly Part No.	Individual Part No.				
	40-4387  0° Nub Page 807	40-4388  90° Nub Page 807	40-4386  Universal Nub Page 808	40-4396 120mm Arm Page 809	40-4349  "L" Arm Page 808
40-4397 .323 kg.	1			2	
40-4398 .323 kg.		1		2	
40-4395 .491 kg.			1	2	
40-4353 .323 kg. 	1				2
40-4354 .323 kg. 		1			2
40-4356 .491 kg. 			1		2

Pivot Joint

Die-Cast Zinc, Powder Coat Aluminum Color



- Screws on the arms can be adjusted for movement or fixing in one position
- Slot tabs can be removed for mounting to the T-slot
- See Compatibility Code for series availability



Part No.	A	B	C (Slot Tab)	D	E	F	kg.	Compatibility Code*
14011	6.60	2.50	6.00	22.50	7.00	25.00	.116	6-25
14014	8.30	2.50	None	22.50	7.00	30.00	.134	8-30
14016			8.00					
14018	8.30	1.60	8.00	30.00	8.00	40.00	.305	8-40
14019	8.30	1.80	10.00	30.00	8.00	45.00	.339	10-45

Recommended Mounting Hardware (to Profile Ends):

Part No.	Qty	Description	Compatibility Code*
11-6518	2	M6 x 18mm SHCS	6-25
11-8525	2	M8 x 25mm SHCS	8-30, 8-40
11-8525	2	M8 x 25mm SHCS	10-45
AND			
14196	2	Threaded Insert	10-45

Recommended Mounting Hardware (to T-slots):

Part No.	Qty	Description	Compatibility Code*
75-3592	2	M6 x 14mm SHCS & Slide-In T-nut	6-25
75-3595	2	M6 x 16mm SHCS & Drop-In T-nut	8-30
75-3625	2	M8 x 16mm SHCS & Slide-In T-nut	8-40
75-3623	2	M8 x 16mm SHCS & Drop-In T-nut	10-45

* See Compatibility Code information on page 642.

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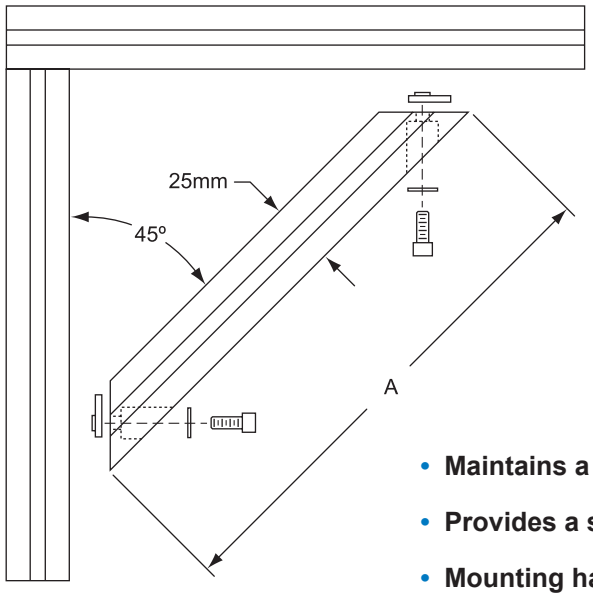
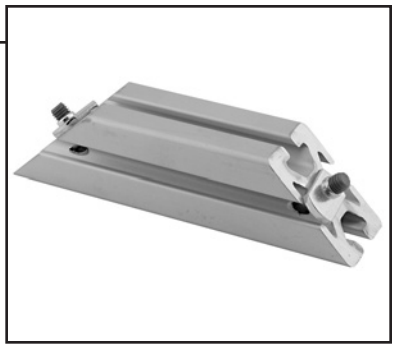
45° Supports – 20, 25 and 30 Series





- **Maintains a clean, flush connection**
- **Provides a strong right angle support for corners**
- **Mounting hardware included with each support**
- **See page 1037 for Custom 45° Supports**

Part No.	Profile	Length A	Mounting Hardware Included	kg.
20-2565	20-2020	160mm	(2) M5x12 SHCS, Washer and Economy T-Nut	.176
20-2570	20-2020	320mm	(2) M5x12 SHCS, Washer and Economy T-Nut	.329
20-2575	20-2020	480mm	(2) M5x12 SHCS, Washer and Economy T-Nut	.483
20-2566	20-2040	160mm	(4) M5x12 SHCS, Washer and Economy T-Nut	.300
20-2567	20-2040	320mm	(4) M5x12 SHCS, Washer and Economy T-Nut	.556
20-2568	20-2040	480mm	(4) M5x12 SHCS, Washer and Economy T-Nut	.841
25-2565	25-2525	160mm	(2) M6x16 SHCS, Washer and Economy T-Nut	.108
25-2570	25-2525	320mm	(2) M6x16 SHCS, Washer and Economy T-Nut	.219
25-2575	25-2525	480mm	(2) M6x16 SHCS, Washer and Economy T-Nut	.328
25-2566	25-2550	160mm	(4) M6x16 SHCS, Washer and Economy T-Nut	.205
25-2567	25-2550	320mm	(4) M6x16 SHCS, Washer and Economy T-Nut	.416
25-2568	25-2550	480mm	(4) M6x16 SHCS, Washer and Economy T-Nut	.622
30-2565	30-3030	160mm	(2) M8 x 16 SHCS, Washer and Self-Aligning T-nuts	.395
30-2570	30-3030	320mm	(2) M8 x 16 SHCS, Washer and Self-Aligning T-nuts	.702
30-2575	30-3030	480mm	(2) M8 x 16 SHCS, Washer and Self-Aligning T-nuts	1.009
30-2576	30-3030	640mm	(2) M8 x 16 SHCS, Washer and Self-Aligning T-nuts	1.317
30-2566	30-3060	160mm	(4) M8 x 16 SHCS, Washer and Self-Aligning T-nuts	.742
30-2567	30-3060	320mm	(4) M8 x 16 SHCS, Washer and Self-Aligning T-nuts	1.309
30-2568	30-3060	480mm	(4) M8 x 16 SHCS, Washer and Self-Aligning T-nuts	1.875
30-2569	30-3060	640mm	(4) M8 x 16 SHCS, Washer and Self-Aligning T-nuts	2.442

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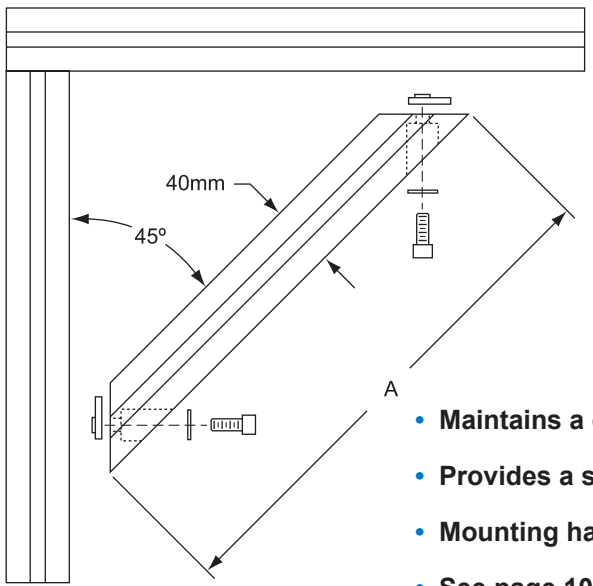
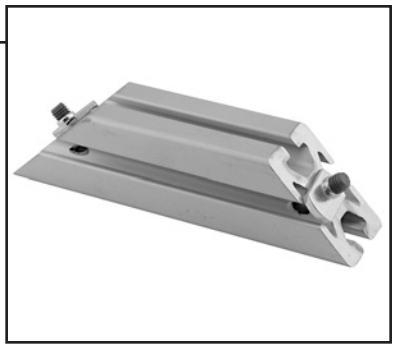
45° Supports – 40 and 45 Series





- Maintains a clean, flush connection
- Provides a strong right angle support for corners
- Mounting hardware included with each support
- See page 1037 for Custom 45° Supports

4

Part No.	Profile	Length A	Mounting Hardware Included	kg.
40-2525	40-4040	160mm	(2) M8x18 SHCS, Washer and Economy T-Nut	.272
40-2535	40-4040	320mm	(2) M8x18 SHCS, Washer and Economy T-Nut	.589
40-2545	40-4040	480mm	(2) M8x18 SHCS, Washer and Economy T-Nut	.900
40-2555	40-4040	640mm	(2) M8x18 SHCS, Washer and Economy T-Nut	1.219
40-2562	40-4040-Lite	160mm	(2) M8x18 SHCS, Washer and Economy T-Nut	.215
40-2561	40-4040-Lite	320mm	(2) M8x18 SHCS, Washer and Economy T-Nut	.463
40-2563	40-4040-Lite	480mm	(2) M8x18 SHCS, Washer and Economy T-Nut	.692
40-2564	40-4040-Lite	640mm	(2) M8x18 SHCS, Washer and Economy T-Nut	.948
40-2530	40-4080	160mm	(4) M8x18 SHCS, Washer and Economy T-Nut	.494
40-2540	40-4080	320mm	(4) M8x18 SHCS, Washer and Economy T-Nut	1.017
40-2550	40-4080	480mm	(4) M8x18 SHCS, Washer and Economy T-Nut	1.640
40-2560	40-4080	640mm	(4) M8x18 SHCS, Washer and Economy T-Nut	2.129
40-2578	40-4080-Lite	160mm	(4) M8x18 SHCS, Washer and Economy T-Nut	.423
40-2579	40-4080-Lite	320mm	(4) M8x18 SHCS, Washer and Economy T-Nut	.890
40-2580	40-4080-Lite	480mm	(4) M8x18 SHCS, Washer and Economy T-Nut	1.361
40-2581	40-4080-Lite	640mm	(4) M8x18 SHCS, Washer and Economy T-Nut	1.833
45-2525	45-4545	160mm	(2) M8 x 20 SHCS, Washer and Self-aligning T-nuts	.680
45-2535	45-4545	320mm	(2) M8 x 20 SHCS, Washer and Self-aligning T-nuts	1.215
45-2545	45-4545	480mm	(2) M8 x 20 SHCS, Washer and Self-aligning T-nuts	1.749
45-2555	45-4545	640mm	(2) M8 x 20 SHCS, Washer and Self-aligning T-nuts	2.284
45-2562	45-4545-Lite	160mm	(2) M8 x 20 SHCS, Washer and Self-aligning T-nuts	.882
45-2561	45-4545-Lite	320mm	(2) M8 x 20 SHCS, Washer and Self-aligning T-nuts	1.618
45-2563	45-4545-Lite	480mm	(2) M8 x 20 SHCS, Washer and Self-aligning T-nuts	2.354
45-2564	45-4545-Lite	640mm	(2) M8 x 20 SHCS, Washer and Self-aligning T-nuts	3.090
45-2530	45-4590	160mm	(4) M8 x 20 SHCS, Washer and Self-aligning T-nuts	1.559
45-2540	45-4590	320mm	(4) M8 x 20 SHCS, Washer and Self-aligning T-nuts	2.826
45-2550	45-4590	480mm	(4) M8 x 20 SHCS, Washer and Self-aligning T-nuts	4.094
45-2560	45-4590	640mm	(4) M8 x 20 SHCS, Washer and Self-aligning T-nuts	5.361

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Section #5 Pictorial Table Of Contents

How To Order

Page 816

Standard Living Hinge Assemblies

Pages 817-818

0° Living Nub

Page 819

90° Living Nub

Page 819

Universal Living Nub

Page 820

Straight Pivot Arm

Page 820

"L" Pivot Arm

Page 821

Right Angle Living Hinge Assemblies

Pages 822-823

0° Right Angle Living Nub

Page 824

90° Right Angle Living Nub

Page 824

Universal Right Angle Living Nub

Page 825

Straight Pivot Arm

Page 825

"L" Pivot Arm

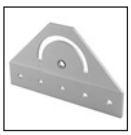
Page 826

90° Pivot Brackets

Page 827

90° Pivot Bracket Assemblies

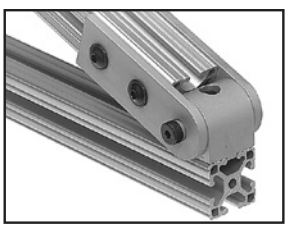
Page 828

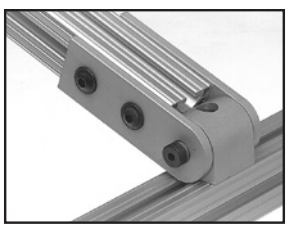
180° Pivot Brackets

Page 829

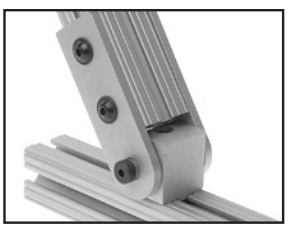
180° Pivot Bracket Assemblies

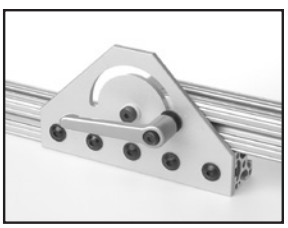
Page 830

5


0° Living Hinge


90° Living Hinge


Right Angle Living Hinge


180° Pivot Bracket

Legend for Icons

This part can use double economy T-nuts. See page 757.

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How to Order 80/20® Dynamic Pivots

Dynamic pivots provide different methods of incorporating motion into specific areas of your application. Select a pivot according to the range and direction of motion required for the application (see example order below). Also take note of the recommended bolt assemblies called out for each specific Dynamic Pivot component. When you order something other than an assembly, a bolt kit will need to be specified. You may choose to select your own bolt configurations. If so, simply refer to pages 743-751 for bolt and T-nut options.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:
Customer: _____
Address: _____
City / State: _____
Attention: _____
Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/UOM	Ext. Price
1	25-2525	2	469.9mm	25-7042 in A both ends	$0.01	$7.89
	40-4040-Lite-4m	5	4 m	Full length profile	$80.00	$400.00
	40-8016	4	1016.0mm	40-7029 one end	$0.14	$554.74
	40-8080	4	914.4mm	40-7050 style MG in W, X both ends	$0.06	$230.43
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	65-2611	1	.63 sm	6mm bronze polycarb 1 @ 457.2mm x 1016mm w/ 25-7311 per drawing	$111.95	$70.53
4	65-7150	1		Cut plastic panels all sides < -1220mm	$10.50	$10.50
	25-7042	4		25 Series anchor fastener counterbore	$2.25	$9.00
	25-7005	2		Cut-to-length for 25-2525	$1.95	$3.90
	40-7023	4		Cut-to-length for 40-8016	$2.90	$11.60
	40-7030	4		Cut-to-length for 40-8080	$2.60	$10.40
	40-7050	64		40 Series drill access hole	$1.95	$124.80
	40-7029	4		5/16-18 tap service for 40-8016	$15.20	$60.80
	25-7311	2		Anchor fastener notch for 25 Series	$0.53	$1.06
5	40-3891	32		40 Series M8 bright zinc end fastener w/ screw	$1.65	$52.80
	25-2114	16		Gray T-Slot covers for 25 Series	$3.45	$55.20
	40-2050	8		End caps for 40-8080	$1.85	$14.80
	25-3896	4		25 Series anchor fasteners	$3.10	$12.40
	40-1982	5		40 Series M8 bright zinc double economy T-nut	$0.84	$4.20
	25-4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	75-3404	24		25 Series M6 BHSCS & economy T-nut	$0.45	$10.80
				TOTAL		$1739.25

NOTE: Prices shown for illustration use only. Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 640-694 • 2 - Custom Parts = Pages 695-710 • 3 - Panels = Pages 831-914
4 - Machining Services = Pages 1025-1078 • 5 - Accessories & Tools = Pages 915-938 & 1015-1024

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Living Hinge – 25 Series

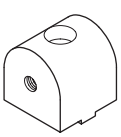
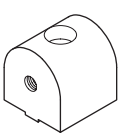
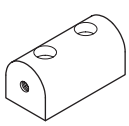
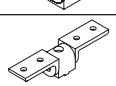
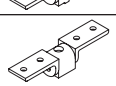
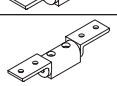
- **Permanently lubricated bronze bushings act as high strength pivot points**
- **Nylon thrust washers protect the pivot arms**
- **Offers a high load capacity while ensuring a long cycle life**
- **Provides a full 180º of axial motion**

25 Series Mounting Hardware Included

Nub to Profile:
Part # 75-3415 – M6 x 25mm SHCS & Econ T-Nut

Nub to Arms:
Part # 25-3501 – (2) 8mm x 6mm Stripper Bolt & (4) Thrust Washers

Arm to Profile:
Part # 75-3509 – (2) M6 x 10mm BHSCS & Dbl Econ T-Nut
Part # 75-3541 – (2) M6 x 10mm FHSCS & Econ T-Nut

Assembly Part No.	Individual Part No.				
	25-4181  0º Nub Page 819	25-4184  90º Nub Page 819	25-4177  Universal Nub Page 820	25-4185 75mm Arm Page 820	25-4172 "L" Arm Page 821
25-4180 .105 kg.	1			2	
25-4183 .105 kg.		1		2	
25-4178 .150 kg.			1	2	
25-4168 .100 kg. 	1				2
25-4169 .100 kg. 		1			2
25-4171 .146 kg. 			1		2

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Living Hinge – 40 Series

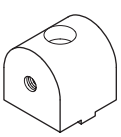
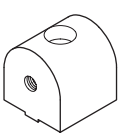
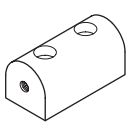
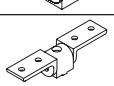
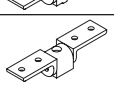
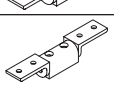
- **Permanently lubricated bronze bushings act as high strength pivot points**
- **Nylon thrust washers protect the pivot arms**
- **Offers a high load capacity while ensuring a long cycle life**
- **Provides a full 180º of axial motion**

40 Series Mounting Hardware Included

Nub to Profile:
Part # 75-3479 – M8 x 40mm SHCS & Econ T-Nut

Nub to Arms:
Part # 40-3500 – (2) 10mm x 10mm Stripper Bolt & (4) Thrust Washers

Arm to Profile:
Part # 75-3513 – (2) M8 x 16mm BHSCS & Dbl Econ T-Nut
Part # 75-3508 – (2) M8 x 16mm FHSCS & Econ T-Nut

Assembly Part No.	Individual Part No.				
	40-4381  0º Nub Page 819	40-4384  90º Nub Page 819	40-4377  Universal Nub Page 820	40-4385 120mm Arm Page 820	40-4343 "L" Arm Page 821
40-4380 .327 kg.	1			2	
40-4383 .327 kg.		1		2	
40-4379 .474 kg.			1	2	
40-4321 .322 kg. 	1				2
40-4322 .322 kg. 		1			2
40-4323 .469 kg. 			1		2

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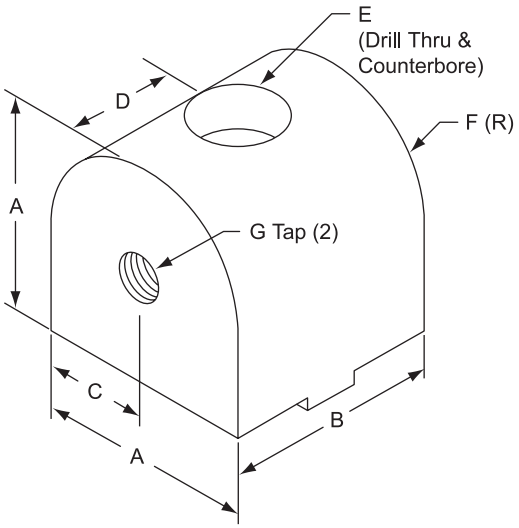
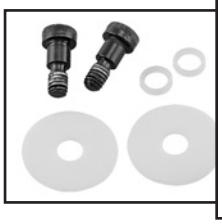
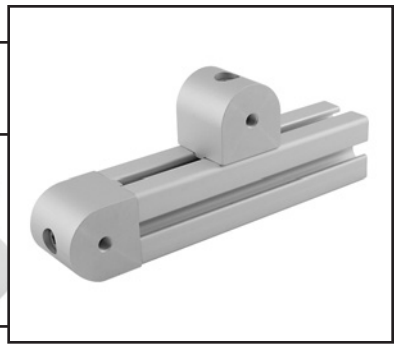
0° Living Nub



*One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Nub to Profile):

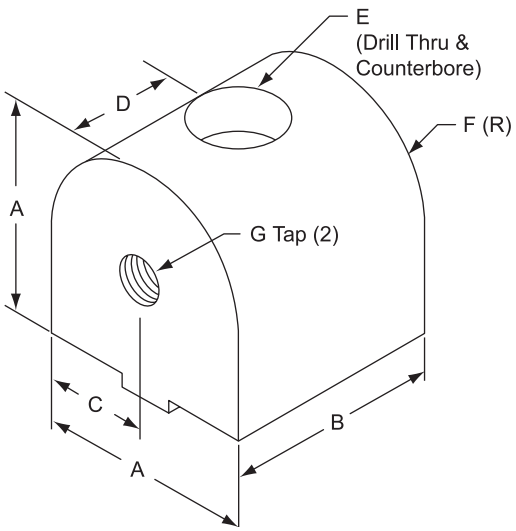
Series	Qty	Description
25	1	M6 x 25mm SHCS & Economy T-Nut
40	1	M8 x 40mm SHCS & Economy T-Nut

Recommended Pivot Bolt Assembly (Mount Nub to Arm):

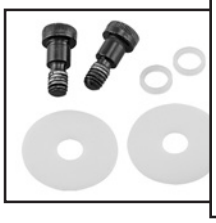
Part No.	Qty	Description
25-3501	1*	8mm x 6mm Stripper Bolts & Thrust Washers
40-3500	1*	10mm x 10mm Stripper Bolts & Thrust Washers

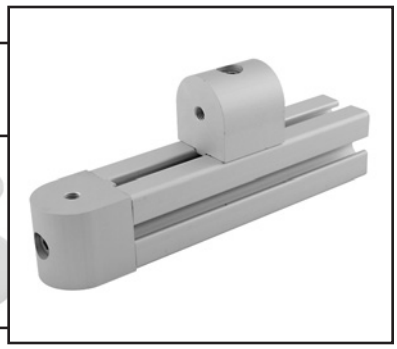
Part No.	A	B	C	D	E	F	G	kg.
25-4181	25.00	23.73	12.50	11.85	M6 SHCS	12.50	M6 X 1.00	.0310
40-4381	40.00	38.70	20.00	19.35	M8 SHCS	20.00	M8 X 1.25	.1540

90° Living Nub



*One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Nub to Profile):

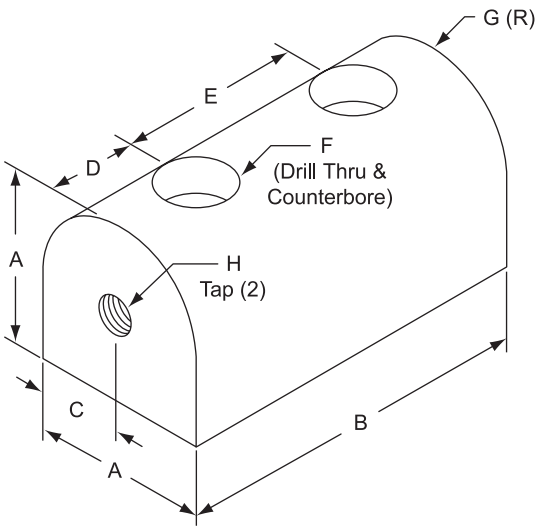
Series	Qty	Description
25	1	M6 x 25mm SHCS & Economy T-Nut
40	1	M8 x 40mm SHCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Nub to Arm):

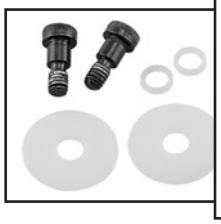
Part No.	Qty	Description
25-3501	1*	8mm x 6mm Stripper Bolts & Thrust Washers
40-3500	1*	10mm x 10mm Stripper Bolts & Thrust Washers

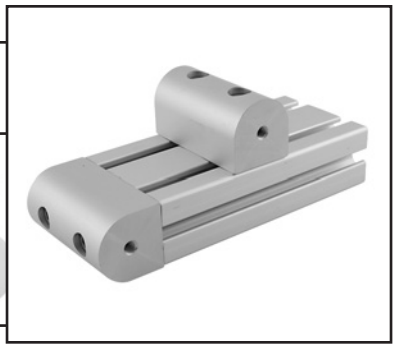
Part No.	A	B	C	D	E	F	G	kg.
25-4184	25.00	23.73	12.50	11.85	M6 SHCS	12.50	M6 X 1.00	.0310
40-4384	40.00	38.70	20.00	19.35	M8 SHCS	20.00	M8 X 1.25	.1540

Universal Living Nub



*One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Nub to Profile):

Series	Qty	Description
25	2	M6 x 25mm SHCS & Economy T-Nut
40	2	M8 x 40mm SHCS & Economy T-Nut

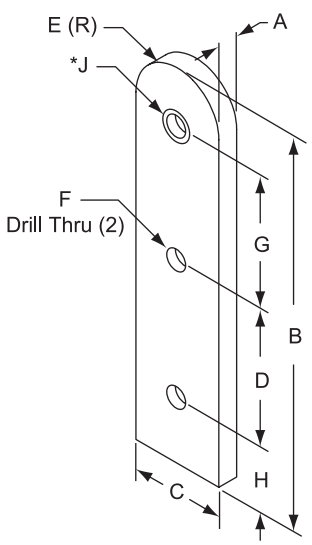
Recommended Pivot Mounting Hardware (Mount Nub to Arm):

Part No.	Qty	Description
25-3501	1*	8mm x 6mm Stripper Bolts & Thrust Washers
40-3500	1*	10mm x 10mm Stripper Bolts & Thrust Washers

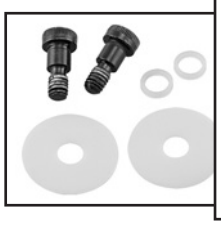
Part No.	A	B	C	D	E	F	G	H	kg.
25-4177	25.00	48.70	12.50	11.85	25.00	M6 SHCS	12.50	M6 X 1.00	.0640
40-4377	40.00	78.70	20.00	19.35	40.00	M8 SHCS	20.00	M8 X 1.25	.3090

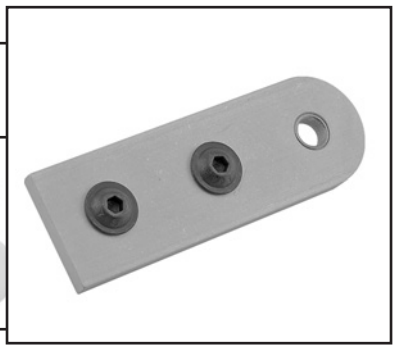
Straight Pivot Arm

Page 757



**One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Arm to Profile):

Series	Qty	Description
25	2	M6 x 12mm BHSCS & Economy T-Nut
40	2	M8 x 16mm BHSCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Pivot Arm to Nub):

Part No.	Qty	Description
25-3501	1**	M8 x 6mm Stripper Bolts & Thrust Washers
40-3500	1**	M10 x 10mm Stripper Bolts & Thrust Washers

* The internal diameter of the permanently lubricated bronze bushing.

Part No.	A	B	C	D	E	F	G	H	J*	kg.
25-4185	4.00	75.00	25.00	25.00	12.50	ø6.30	25.00	12.50	ø8.00	.0220
40-4385	6.00	120.00	39.80	40.00	19.90	ø8.30	40.00	20.00	ø10.00	.0710

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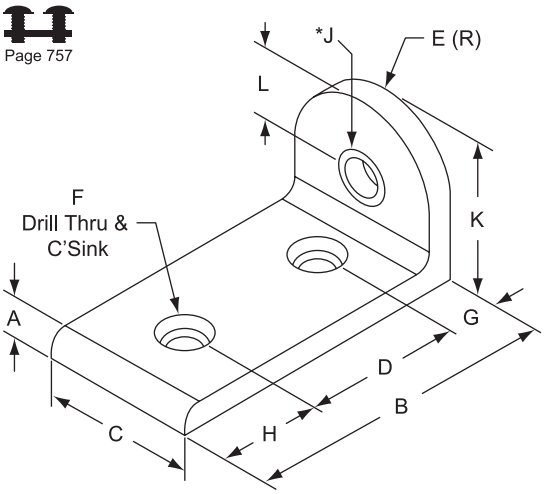
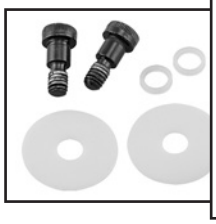
"L" Pivot Arm

Page 757



* The internal diameter of the permanently lubricated bronze bushing.

**One Bolt Assembly Contains Qty 2 as Shown Below



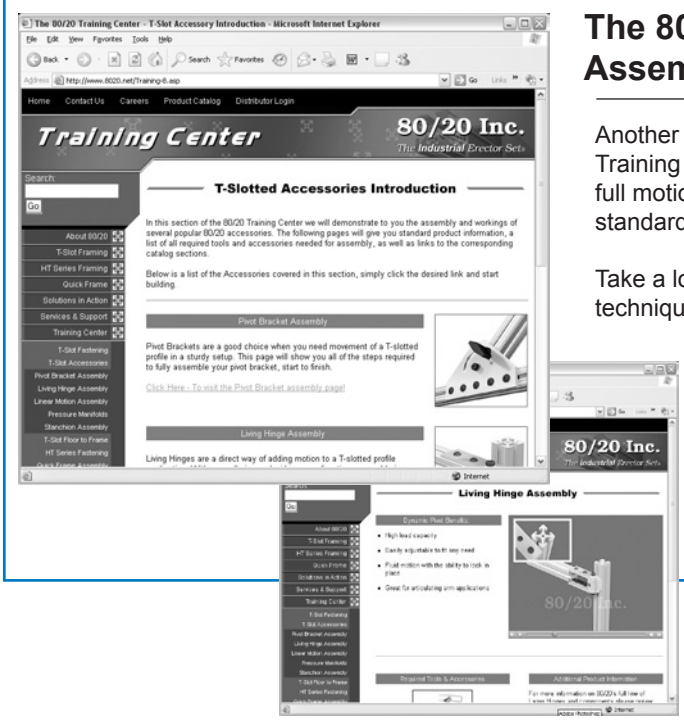
Included Mounting Hardware (Mount Arm to Profile):

Series	Qty	Description
25	2	M6 x 10mm FHSCS & Economy T-Nut
40	2	M8 x 16mm FHSCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Pivot Arm to Nub):

Part No.	Qty	Description
25-3501	1**	8mm x 6mm Stripper Bolts & Thrust Washers
40-3500	1**	10mm x 10mm Stripper Bolts & Thrust Washers

Part No.	A	B	C	D	E	F	G	H	J*	K	L	kg.
25-4172	4.00	50.00	24.75	25.00	12.50	M6 FHSCS	12.50	12.50	8.00	25.00	12.50	.0200
40-4343	6.00	80.00	39.80	40.00	19.90	M8 FHSCS	20.00	20.00	10.00	40.00	20.00	.0690



The 80/20® Training Center Offers Assembly Instruction Animations

Another feature of the 80/20 website is our online Training Center. This section of the site contains full motion assembly instructions for several standard 80/20 products.

Take a look at our fully illustrated assembly techniques for pivot nub and pivot bracket assemblies. You can even download this specific catalog section to your computer for quick reference.

Don't wait another second; visit our online Training Center at www.8020.net and see how 80/20 dynamic pivot solutions can go to work for you!

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Right Angle Living Hinge – 25 Series

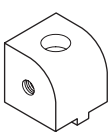
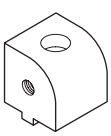
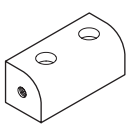
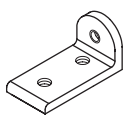
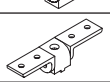
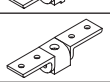
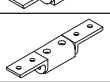
- **Permanently lubricated bronze bushings act as high-strength pivot points**
- **Nylon thrust washers protect the pivot arms**
- **Offers a high load capacity while ensuring a long cycle life**
- **Provides a full 90º of axial motion**

25 Series Mounting Hardware Included

Nub to Profile:
Part # 75-3415 – M6 x 25mm SHCS & Econ T-Nut

Nub to Arms:
Part # 25-3501 – (2) 8mm x 6mm Stripper Bolt & (4) Thrust Washers

Arm to Profile:
Part # 75-3509 – (2) M6 x 10mm BHSCS & Dbl Econ T-Nut
Part # 75-3541 – (2) M6 x 10mm FHSCS & Econ T-Nut

Assembly Part No.	Individual Part No. 25-4025  0º Nub Page 824	25-4026  90º Nub Page 824	25-4027  Universal Nub Page 825	25-4185 75mm Arm Page 825	25-4172  "L" Arm Page 826
25-4028 .107 kg.	1			2	
25-4029 .107 kg.		1		2	
25-4030 .152 kg.			1	2	
25-4031 .104 kg. 	1				2
25-4032 .104 kg. 		1			2
25-4033 .147 kg. 			1		2

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Right Angle Living Hinge – 40 Series

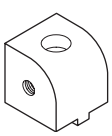
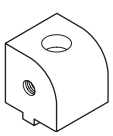
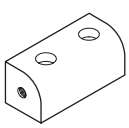
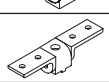
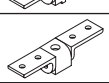
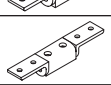
- **Permanently lubricated bronze bushings act as high-strength pivot points**
- **Nylon thrust washers protect the pivot arms**
- **Offers a high load capacity while ensuring a long cycle life**
- **Provides a full 90º of axial motion**

40 Series Mounting Hardware Included

Nub to Profile:
Part # 75-3479 – M8 x 40mm SHCS & Econ T-Nut

Nub to Arms:
Part # 40-3500 – (2) 10mm x 10mm Shoulder Bolt & (4) Thrust Washers

Arm to Profile:
Part # 75-3513 – (2) M8 x 16mm BHSCS & Dbl Econ T-Nut
Part # 75-3508 – (2) M8 x 16mm FHSCS & Econ T-Nut

Assembly Part No.	Individual Part No.				
	40-4425  0º Nub Page 824	40-4426  90º Nub Page 824	40-4427  Universal Nub Page 825	40-4385 120mm Arm Page 825	40-4343 "L" Arm Page 826
40-4428 .327 kg.	1			2	
40-4429 .327 kg.		1		2	
40-4430 .488 kg.			1	2	
40-4431 .323 kg. 	1				2
40-4432 .323 kg. 		1			2
40-4433 .484 kg. 			1		2

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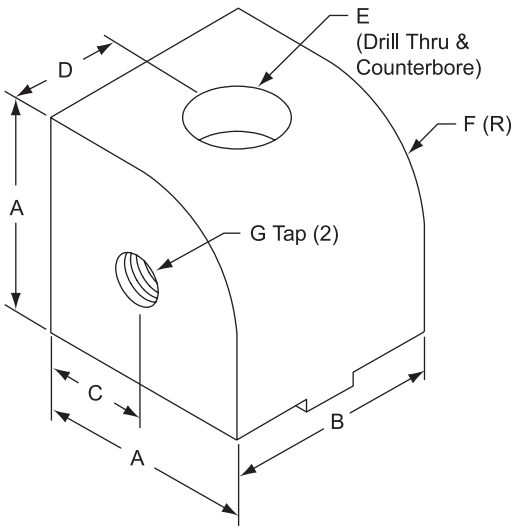
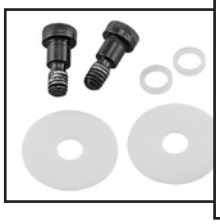
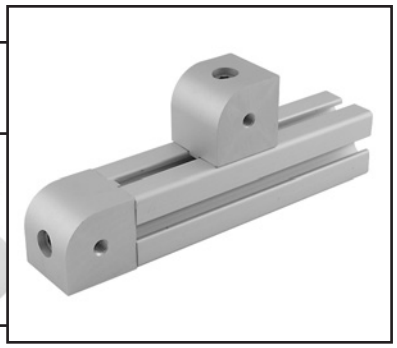
0° Right Angle Living Nub



*One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Nub to Profile):

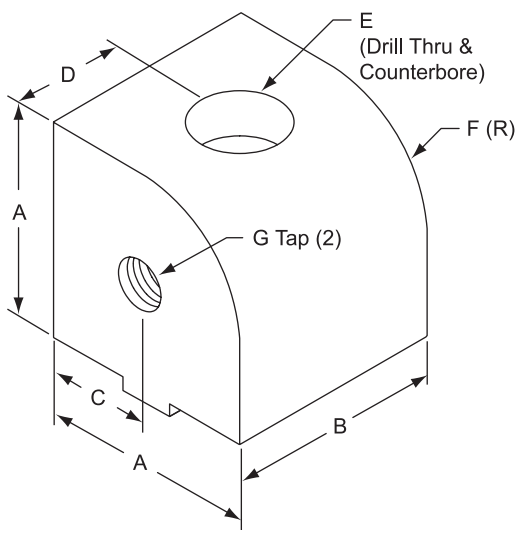
Series	Qty	Description
25	1	M6 x 25mm SHCS & Economy T-Nut
40	1	M8 x 40mm SHCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Nub to Arm):

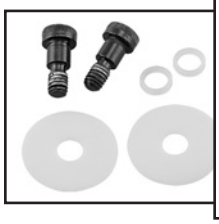
Part No.	Qty	Description
25-3501	1*	8mm x 6mm Stripper Bolts & Thrust Washers
40-3500	1*	10mm x 10mm Stripper Bolts & Thrust Washers

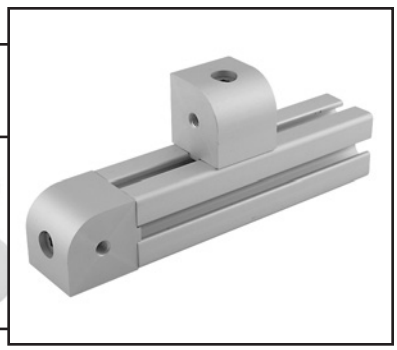
Part No.	A	B	C	D	E	F	G	kg.
25-4025	25.00	23.70	12.50	11.85	M6 SHCS	12.50	M6 X 1.00	.0330
40-4425	40.00	38.70	20.00	19.35	M8 SHCS	20.00	M8 X 1.25	.1560

90° Right Angle Living Nub



*One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Nub to Profile):

Series	Qty	Description
25	1	M6 x 25mm SHCS & Economy T-Nut
40	1	M8 x 40mm SHCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Nub to Arm):

Part No.	Qty	Description
25-3501	1*	8mm x 6mm Stripper Bolts & Thrust Washers
40-3500	1*	10mm x 10mm Stripper Bolts & Thrust Washers

Part No.	A	B	C	D	E	F	G	kg.
25-4026	25.00	23.70	12.50	11.85	M6 SHCS	12.50	M6 X 1.00	.0330
40-4426	40.00	38.70	20.00	19.35	M8 SHCS	20.00	M8 X 1.25	.1560

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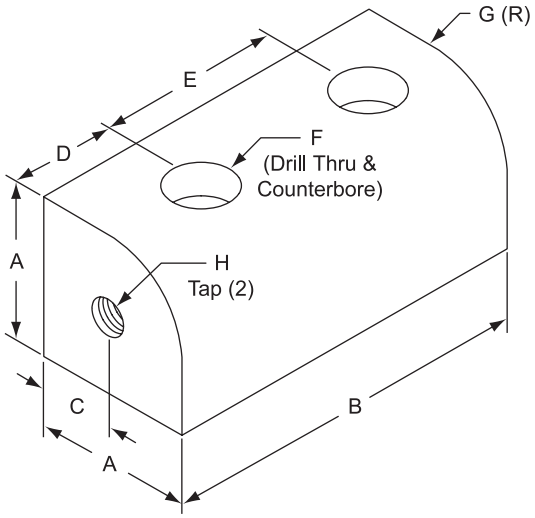
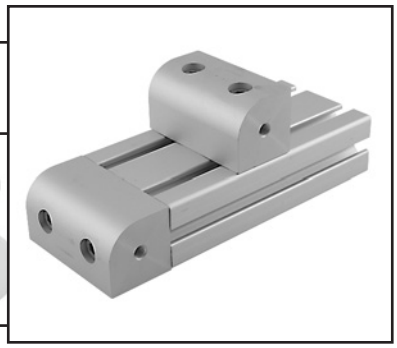
Universal Right Angle Living Nub



*One Bolt Assembly Contains Qty 2 as Shown Below



Included Mounting Hardware (Mount Nub to Profile):

Series	Qty	Description
25	1	M6 x 25mm SHCS & Economy T-Nut
40	1	M8 x 40mm SHCS & Economy T-Nut

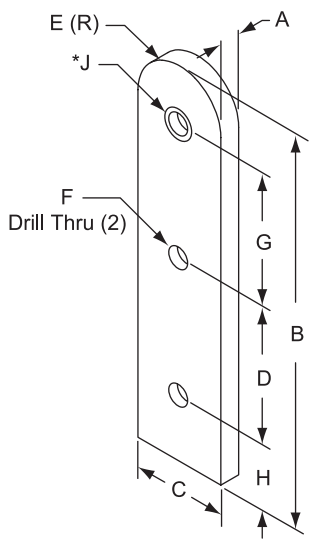
Recommended Pivot Mounting Hardware (Mount Nub to Arm):

Part No.	Qty	Description
25-3501	1*	8mm x 6mm Stripper Bolts & Thrust Washers
40-3500	1*	10mm x 10mm Stripper Bolts & Thrust Washers

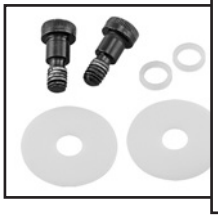
Part No.	A	B	C	D	E	F	G	H	kg.
25-4027	25.00	48.70	12.50	11.85	25.00	M6 SHCS	12.50	M6 X 1.00	.0640
40-4427	40.00	78.70	20.00	19.35	40.00	M8 SHCS	20.00	M8 x 1.25	.3110

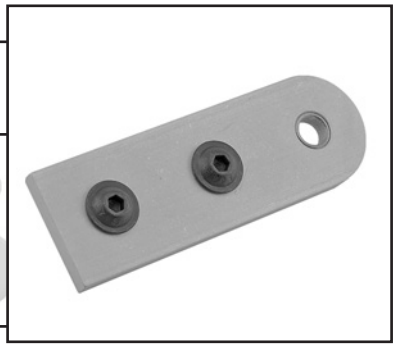
Straight Pivot Arm

Page 757



**One Bolt Assembly Contains Qty 2 as Shown Below





Included Mounting Hardware (Mount Arm to Profile):

Series	Qty	Description
25	2	M6 x 12mm BHSCS & Economy T-Nut
40	2	M8 x 16mm BHSCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Pivot Arm to Nub):

Part No.	Qty	Description
25-3501	1**	8mm x 6mm Stripper Bolts & Thrust Washers
40-3500	1**	10mm x 10mm Stripper Bolts & Thrust Washers

* The internal diameter of the permanently lubricated bronze bushing.

Part No.	A	B	C	D	E	F	G	H	J*	kg.
25-4185	4.00	75.00	25.00	25.00	12.50	ø6.30	25.00	12.50	ø8.00	.0220
40-4385	6.00	120.00	39.80	40.00	19.90	ø8.30	40.00	20.00	ø10.00	.0710

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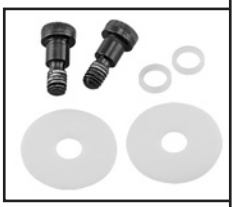
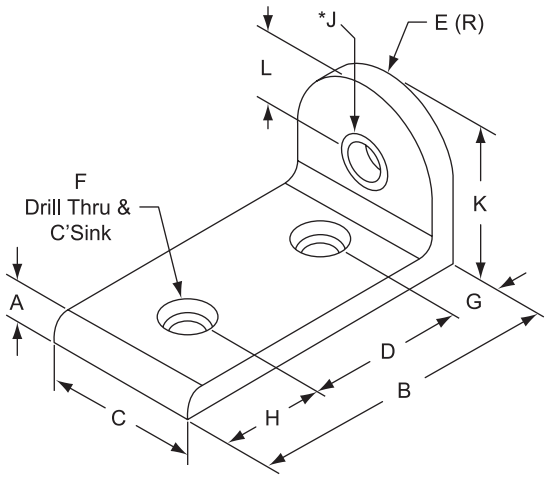
"L" Pivot Arm

- **Permanently lubricated bronze bushings act as high-strength pivot points**

Page 757



**One Bolt Assembly Contains Qty 2 as Shown



* The internal diameter of the permanently lubricated bronze bushing.

Included Mounting Hardware (Mount Arm to Profile):

Series	Qty	Description
25	2	M6 x 10mm FHSCS & Economy T-Nut
40	2	M8 x 16mm FHSCS & Economy T-Nut

Recommended Pivot Mounting Hardware (Mount Pivot Arm to Nub):

Part No.	Qty	Description
25-3501	1**	8mm x 6mm Stripper Bolts & Thrust Washers
40-3500	1**	10mm x 10mm Stripper Bolts & Thrust Washers

Part No.	A	B	C	D	E	F	G	H	J*	K	L	kg.
25-4172	4.00	50.00	24.75	25.00	12.50	M6 FHSCS	12.50	12.50	8.00	25.00	12.50	.0200
40-4343	6.00	80.00	39.80	40.00	19.90	M8 FHSCS	20.00	20.00	10.00	40.00	20.00	.0690

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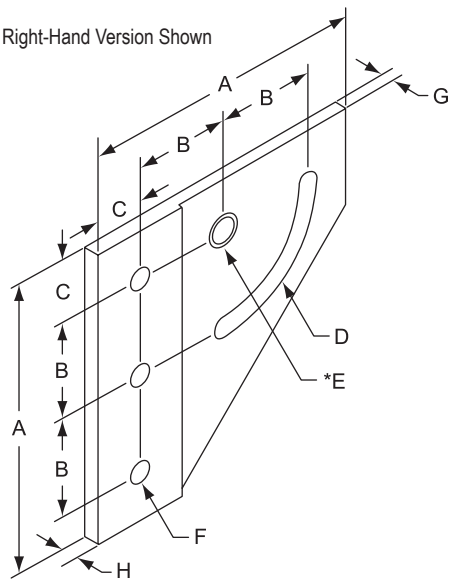
90º Pivot Bracket

- **Permanently lubricated bronze bushings act as high-strength pivot points**
- **Right and left hand versions are available, providing a full 90º of axial motion**

Page 757

40-4337
Right Hand Shown

Note: Right-Hand Version Shown



* The internal diameter of the permanently lubricated bronze bushing.

Recommended Mounting Hardware (Mount to Profile):

Part No.	Qty	Description
75-3404	3	M6 x 10mm BHSCS & Economy T-Nut
75-3422	3	M8 x 16mm BHSCS & Economy T-Nut

Part No.	Position	A	B	C	D	E*	F	G	H	kg.
25-4133	Left	75.00	25.00	12.50	ø6.80	ø8.00	ø6.80	3.36	4.00	.0480
25-4137	Right	75.00	25.00	12.50	ø6.80	ø8.00	ø6.80	3.36	4.00	.0480
40-4333	Left	120.00	40.00	20.00	ø8.30	ø10.00	ø8.30	5.36	6.00	.1550
40-4337	Right	120.00	40.00	20.00	ø8.30	ø10.00	ø8.30	5.36	6.00	.1550

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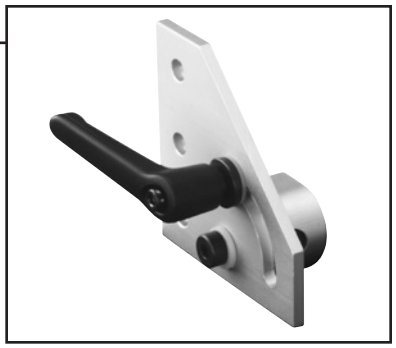
90° Pivot Bracket Assemblies



- **Milled .64mm washer clearance allows all structural members to be flush**
- **Assemblies include the structural nub, plate(s), nylon washers, shoulder bolt, and "L" handle**

Assembly Part No.	Individual Part No.									
	25-4133 Left Hand 25 Series	25-4137 Right Hand 25 Series	40-4333 Left Hand 40 Series	40-4337 Right Hand 40 Series	25-2796 25 Series	40-2797 40 Series	25-4187 25 Series	25-4186 25 Series	40-4387 40 Series	40-4386 40 Series
25-4116 .209 kg.	1	1			2		1			
25-4124 .254 kg.	1	1			2			1		
25-4139 LH / .127 kg.	1				1		1			
25-4148 RH / .127 kg.		1			1		1			
40-4317 .786 kg.			1	1		2			1	
40-4318 .943 kg.			1	1		2				1
40-4339 LH / .472 kg.			1			1			1	
40-4348 RH / .472 kg.				1		1			1	

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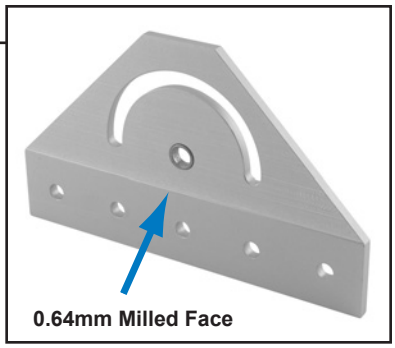
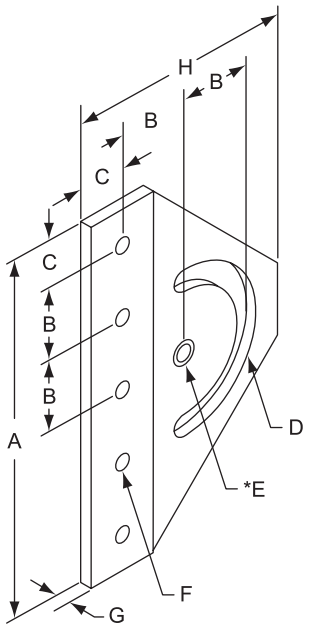
180º Pivot Bracket

Page 757

- **Permanently lubricated bronze bushings act as high-strength pivot points**
- **Right and left hand versions are available, providing a full 180º of axial motion**





* The internal diameter of the permanently lubricated bronze bushing.

Recommended Mounting Hardware (Mount to Profile):

Part No.	Series	Qty	Description
75-3404	25	5	M6 x 10mm BHSCS & Economy T-Nut
75-3422	40	5	M8 x 16mm BHSCS & Economy T-Nut

Part No.	A	B	C	D	E*	F	G	H	kg.
25-4024	125.00	25.00	12.50	ø6.80	ø8.00	ø6.80	4.00	75.00	.069
40-4424	200.00	40.00	20.00	ø8.30	ø10.00	ø8.30	6.00	120.00	.245

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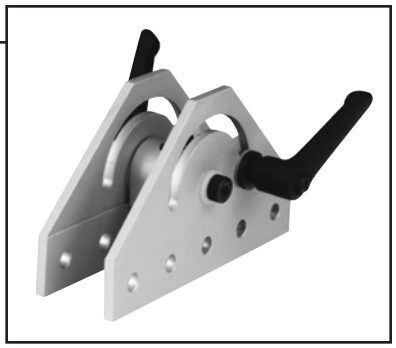
180° Pivot Bracket Assemblies



- **Milled .64mm washer clearance allows all structural members to be flush**
- **Assemblies include the structural nub, plate(s), nylon washers, shoulder bolt, and "L" handle**

Assembly Part No.	Individual Part No.							
	25-4024 (25 Series)	40-4424 (40 Series)	25-2796 (25 Series)	40-2797 (40 Series)	25-4187 (25 Series)	25-4186 (25 Series)	40-4387 (40 Series)	40-4386 (40 Series)
25-4051 .154 kg.	1		1		1			
25-4053 .259 kg.	2		2		1			
25-4055 .309 kg.	2		2			1		
40-4451 .553 kg.		1		1			1	
40-4453 .957 kg.		2		2			1	
40-4455 1.105 kg.		2		2				1

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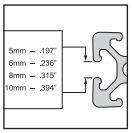
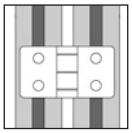
Section #6 Pictorial Table Of Contents

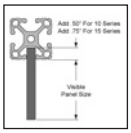
Compatibility Code


Page 833

T-Slot Hinges Introduction

Pages 834-835

How To Order

Page 836

Sizing & Drawing Panels

Page 837

Standard Lift-Off Hinges

Pages 838-839

Economy Lift-Off Hinges

Page 840

Plastic Lift-Off Hinges

Page 841

Stainless Steel Lift Off Hinges

Page 842

Standard 2-D Hinges

Page 842

Adjustable Hinges

Page 843

Detent Hinges

Page 844

Detent Positioning Hinges

Page 845

Aluminum Hinges

Page 846

Plastic Standard Hinges

Pages 847-848

Plastic Standard Hinges

Page 849

Plastic Standard Hinges

Page 850

Standard Hinges

Page 851

Stainless Steel Standard Hinges

Page 852

Combination Hinges

Page 853

Standard Hinges w/Locking Lever

Page 854

Standard Hinges

Page 854

Standard Panel Hinges

Page 855

Transition Hinges

Page 856

Stainless Steel Transition Hinges

Page 856

Glass Panel Holders

Page 857

Plastic Door Handles

Page 858

Aluminum Cabinet Handles

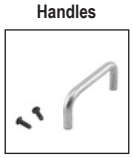
Page 859

Offset Handles

Page 860

Flush Handles

Page 861

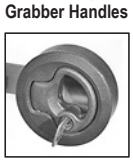
Steel Door Handles

Page 862

Ergonomic Handles

Page 863

Aluminum Panel Handles

Page 864

Locking Grabber Handles

Page 865

Deluxe Door Handles

Page 866

Furniture Handles

Page 867

Pawl Kits

Page 868

Slam Latches

Page 869

Velcro® Latches

Page 870

Deadbolt Latches

Pages 871-872

Grabber™ Door Catches

Page 873

Grabber™ Catch Mounting Plates

Page 874

Magnetic Door Catches

Page 875

Table Of Contents Continued

80/20® Inc.
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THE STANDARD

Section #6 Pictorial Table Of Contents

Double Ball Catches

Page 876

Nylon Magnetic Catches

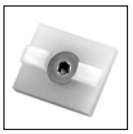
Page 877

Nylon Ball Catches

Page 877

Sliding Door Locks

Page 878

Sliding Door Glides

Page 878

Bi-Fold Door Hangers

Page 879

Roller Wheels

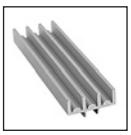
Pages 880-881

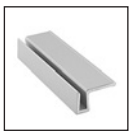
Roller Wheel Brackets

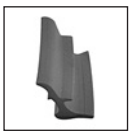
Page 882

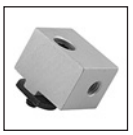
Roller Wheel Assemblies

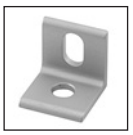
Page 883

Door Slide Tracks

Page 884

Panel Stiffeners

Page 885

Panel Gaskets

Pages 886-888

Panel Mount Blocks

Page 889

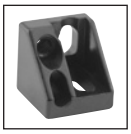
Panel Mount Brackets

Page 890

Plastic Panel Mount Block w/ Square Nut

Page 891

Panel Mount Blocks 1/4 Turn w/ Square Nut

Page 892

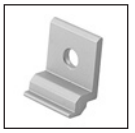
Panel Mount Blocks

Page 893

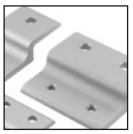
Spacer for Panel Mount Blocks

Page 893

Quick Change Panel Clamps

Page 894

Drop-In Panel Brackets

Page 895

Single Panel Retainers

Page 896

Double Panel Retainers

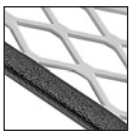
Page 897

Single Wire Mesh Retainers

Pages 898-899

Double Wire Mesh Retainers

Pages 900-901

Wire Edge

Page 902

Acrylic Panels

Page 903

AR Polycarb Panels

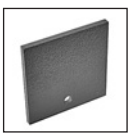
Page 903

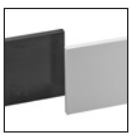
Polycarbonate Panels

Page 904

Recycled Polycarb Panels

Page 904

ABS Haircell Panels

Page 905

Impact Resistant Panels

Page 905

Expanded PVC Panels

Page 906

Alucobest Panels

Page 907

Alumalite® Panels

Page 907

Twin Wall Polycarb Panels

Page 908

HDPE Panels

Page 909

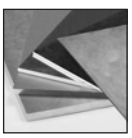
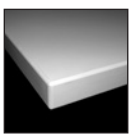
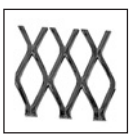
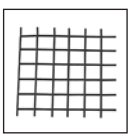
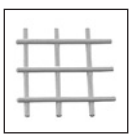
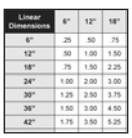
Aluminum Plate

Page 910

Table Tops

Page 910

Expanded Metal Panels

Page 911

Wire Mesh Panels

Page 912

Thermoplastic Coated Wire Mesh

Page 913

Panel Area Chart


Page 914

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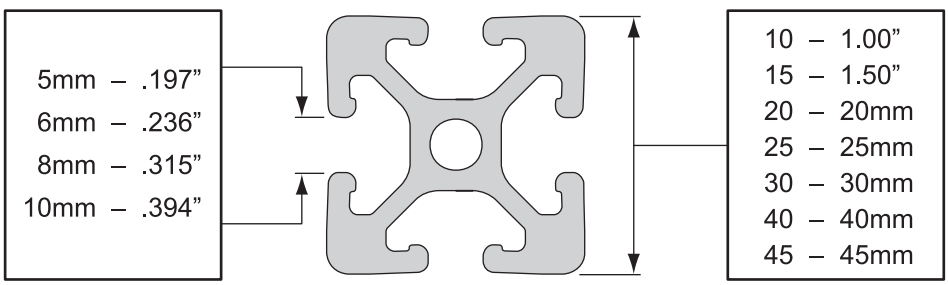
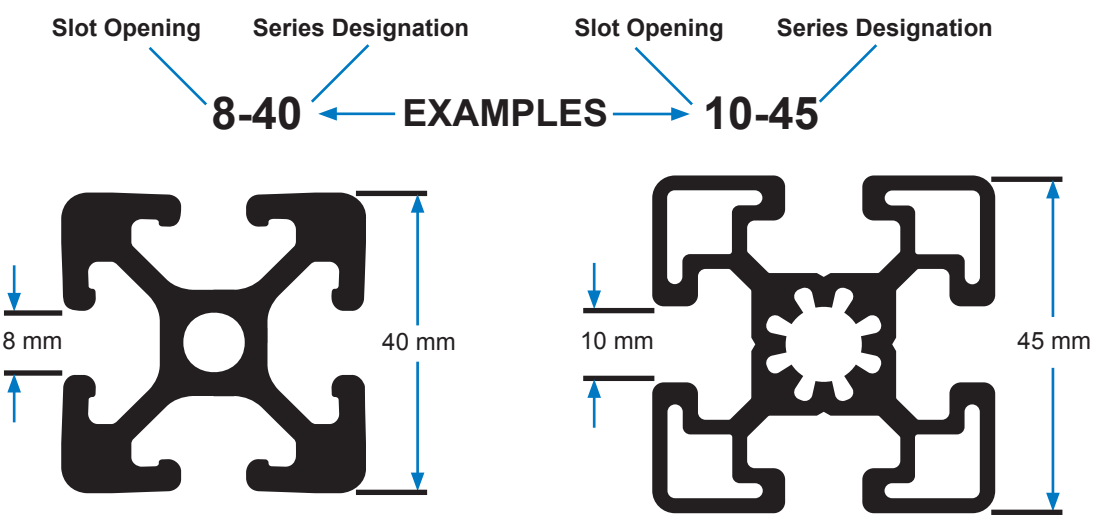
T-Slotted Aluminum Profile Compatibility Code*

How to find parts compatible with the T-slotted profile you are currently using:

1. Not all T-slotted profiles are created equal. Not only are there numerous outside dimensions, fractional and metric, but there are also differences in T-slot dimensions. The opening of the slot is the critical dimension when determining part/profile compatibility.
2. Certain fasteners, parts and accessories are designed to work with only one particular slot dimension, while others are compatible with more than one slot size.
3. Series designations such as 10, 15, 20, 25, 30, 40, 45 etc. refer to overall outside dimensions of the profile and/or center-to-center dimensions of two T-slots.
4. The critical slot opening dimensions mentioned above are stated in millimeters. They include openings of 5, 6, 8, 10, 11 and 12 mm.



5. To determine compatibility the slot opening and profile series must be known. This will establish the compatibility code, which is listed for every part.



* Patent Pending

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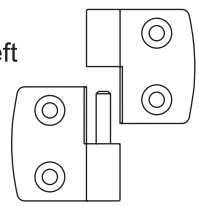
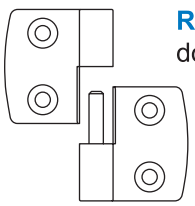
Introduction to Hinges

Design & Assembly Tips, Tricks and Recommendations

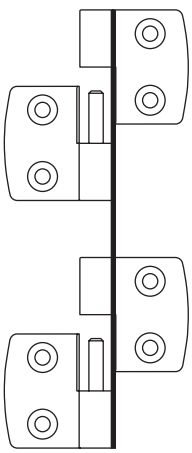
Our **Hinges**, standard and lift-off, may be used in various applications. The following highlights of hinge features will assist you in proper selection and use. Plastic lift-off hinges are available in **left** and **right** positions.

Left – Pin on the left, door opens right to left



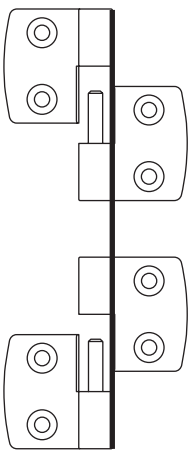


Right – Pin on the right, door opens left to right



Tip: Using all right or all left hinges will allow the door to lift off

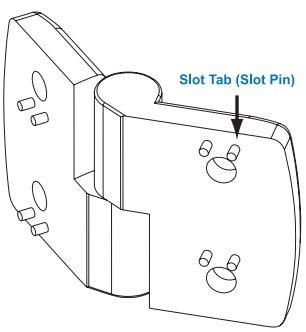
Tip: Mixing right and left hinges on one side will captivate the door



Recommendation:

Select hinges with the **Slot Tabs or Slot Pins** compatible with the T-Slot profile. Slot Tabs/Pins prevent the hinge from rotating and increase its load bearing capacity.

Slot Tabs/Slot Pins may be removed or broken off when, for example, a panel is being mounted.



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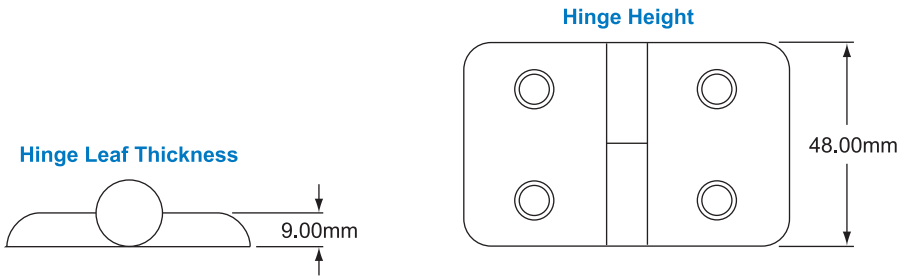
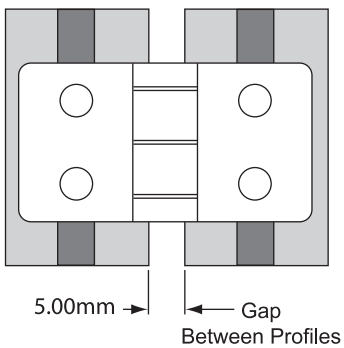
Introduction to Hinges continued

Design & Assembly Tips, Tricks and Recommendations

Trick: Transition Hinges

Notice the Plastic Hinges listed on page 841 have two common dimensions; leaf thickness and hinge height. This feature allows **Plastic Lift Off Hinge** leaf sizes to be interchanged, creating a transition for hinging different sizes of T-slot profiles or panels. The same position hinges must be used, i.e. two lefts or two rights.





A **5.00mm** gap is commonly created when hinging together two T-slotted profiles.

Bolt Kits

The recommended bolt kits listed with hinges are for mounting that hinge to a specific T-slotted profile or panel. For more bolt kit options, refer to Fractional or Metric Section 3.

Legend for Icons

This part can use double economy T-nuts.
See page 757.

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How to Order 80/20® Panels & Door Components

With the wide selection of 80/20 panels and door components available, it is important to take special care to include all required information when ordering. See the following page for a list of ordering requirements that will speed up your order process and help us better meet your needs. And remember, there is always an 80/20 specialist available in your area to help with any design, ordering, or assembly questions you may have.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part No.	Quantity	Length	Description / Machining	Price/UOM	Ext. Price
1	25-2525	2	469.9mm	25-7042 in A both ends	$0.01	$7.89
	40-4040-Lite-4m	5	4 m	Full length profile	$80.00	$400.00
	40-8016	4	1016.0mm	40-7029 one end	$0.14	$554.74
	40-8080	4	914.4mm	40-7050 style MG in W, X both ends	$0.06	$230.43
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	65-2611	1	.63 sm	6mm bronze polycarb 1 @ 457.2mm x 1016mm w/ 25-7311 per drawing	$111.95	$70.53
4	65-7150	1		Cut plastic panels all sides < -1220mm	$10.50	$10.50
	25-7042	4		25 Series anchor fastener counterbore	$2.25	$9.00
	25-7005	2		Cut-to-length for 25-2525	$1.95	$3.90
	40-7023	4		Cut-to-length for 40-8016	$2.90	$11.60
	40-7030	4		Cut-to-length for 40-8080	$2.60	$10.40
	40-7050	64		40 Series drill access hole	$1.95	$124.80
	40-7029	4		5/16-18 tap service for 40-8016	$15.20	$60.80
	25-7311	2		Anchor fastener notch for 25 Series	$0.53	$1.06
5	40-3891	32		40 Series M8 bright zinc end fastener w/ screw	$1.65	$52.80
	25-2114	16		Gray T-Slot covers for 25 Series	$3.45	$55.20
	40-2050	8		End caps for 40-8080	$1.85	$14.80
	25-3896	4		25 Series anchor fasteners	$3.10	$12.40
	40-1982	5		40 Series M8 bright zinc double economy T-nut	$0.84	$4.20
	25-4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	75-3404	24		25 Series M6 BHSCS & economy T-nut	$0.45	$10.80
				TOTAL		$1739.25

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 640-694 • 2 - Custom Parts = Pages 695-710 • 3 - Panels = Pages 831-914
4 - Machining Services = Pages 1025-1078 • 5 - Accessories & Tools = Pages 915-938 & 1015-1024

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Calculate Panel Area

Since all panels are sold by the square meter, the most important step when ordering panels from 80/20® is calculating the panel area. To round up your specific panel size, refer to the quick reference panel size chart on page 914.

Example: **400mm** (Length) x **800mm** (Width) Rounded Up To **450mm** (Length) x **900mm** (Width)

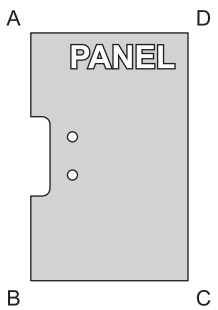
450mm x 900mm = 0.41 Sq. Meters

Specifying Machining On A Drawing

When submitting a panel drawing, please place a call out letter on each corner of your panel. Notice in the example at right that the width and length are referenced by their specified call outs.

Beginning with the upper left corner, call outs are designated A, B, C, and D in a counterclockwise direction. Referencing these call outs when ordering machining allows for proper measuring of the service position.

In this example the service center line is measured down from the “A” call out.



Ordering Example:
65-2609 (1) @ (AD) 400.00mm x (AB) 600.00mr
w/ 65-7313 on Side AB @ 300.00mm

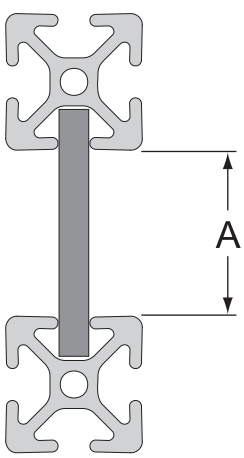
Panel Sizing Tip

When sizing a panel that will be inserted into a profile’s T-slot be sure to add extra material to your visible panel size.

Example:

All four sides of the panel will recess inside the 25 Series profile’s T-slot. The visible size of the panel will be 200mm x 200mm; we add 14mm to the “**A**” dimension of the panel that will recess into the T-slot. Our total panel size will now be 214mm x 214mm.

Add 14mm to “A” for 25 Series
Add 22mm to “A” for 40 Series



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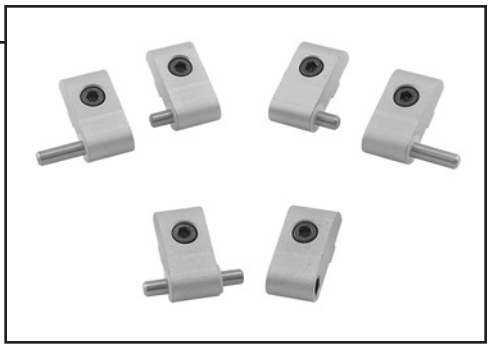
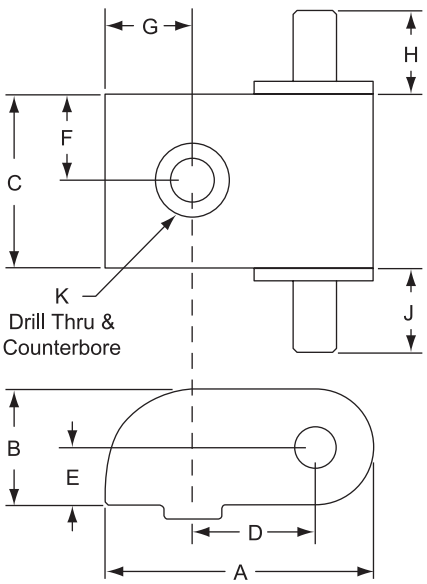
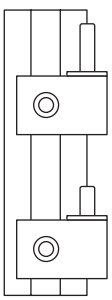
Standard Lift-Off Hinges

- **25 and 40 Series compatible**
- **All required fasteners included**
- **Hinge body is made of 6105-T5 anodized aluminum with permanently lubricated bronze bushings**
- **Heavy-duty stainless steel hinge pins provide strength, long life, and smooth operation**
- **Captivated nylon thrust washer eliminates metal to metal contact – won't fall out**

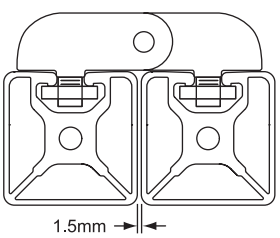




Note: Position the long pin in the upper position to simplify door assembly.



Note: The distance of the gap between the two mating T-slots will equal 1.5mm for 25 Series, 40 Series, and transitions of both series.



Part No.	A	B	C	D	E	F	G	H	J	K	kg.
25-2073	29.00	13.00	19.00	13.40	6.50	9.50	9.40	–	19.00	M5 SHCS	.027
25-2074	29.00	13.00	19.00	13.40	6.50	9.50	9.40	19.00	–	M5 SHCS	.027
25-2075	29.00	13.00	19.00	13.40	6.50	9.50	9.40	–	9.10	M5 SHCS	.025
25-2076	29.00	13.00	19.00	13.40	6.50	9.50	9.40	9.10	–	M5 SHCS	.025
25-2077	29.00	13.00	19.00	13.40	6.50	9.50	9.40	–	–	M5 SHCS	.023
25-2078	29.00	13.00	19.00	13.40	6.50	9.50	9.40	9.10	9.10	M5 SHCS	.029
40-2093	43.60	13.00	19.00	20.70	6.50	9.50	16.80	–	19.00	M6 SHCS	.040
40-2094	43.60	13.00	19.00	20.70	6.50	9.50	16.80	19.00	–	M6 SHCS	.040
40-2095	43.60	13.00	19.00	20.70	6.50	9.50	16.80	–	9.10	M6 SHCS	.036
40-2096	43.60	13.00	19.00	20.70	6.50	9.50	16.80	9.10	–	M6 SHCS	.036
40-2097	43.60	13.00	19.00	20.70	6.50	9.50	16.80	–	–	M6 SHCS	.035
40-2098	43.60	13.00	19.00	20.70	6.50	9.50	16.80	9.10	9.10	M6 SHCS	.041

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Standard Lift-Off Hinge Assemblies

- **Mounting hardware included**

		Individual Part No.											
		25-2073 Long	25-2074 Long	25-2075 Short	25-2076 Short	25-2077 No Pin	25-2078 2 Pin	40-2093 Long	40-2094 Long	40-2095 Short	40-2096 Short	40-2097 No Pin	40-2098 2 Pin
Complete Assembly Part No.	**25-2064** Right Hinge Long Pin Top Short Pin Bottom .097 kg.	1		1		2							
	25-2065 Left Hinge Long Pin Top Short Pin Bottom .097 kg.		1		1	2							
	25-2066 Heavy-Duty Hinge .072 kg. Captivates Door			1	1	1							
	40-2104 Right Hinge Long Pin Top Short Pin Bottom .145 kg.							1		1		2	
	40-2105 Left Hinge Long Pin Top Short Pin Bottom .145 kg.								1		1	2	
	40-2106 Heavy-Duty Hinge .109 kg. Captivates Door									1	1	1	
Transition Assembly Part No.	**65-2101** Right Hinge Long Pin Top Short Pin Bottom .122 kg.					2		1		1			
	65-2102 Left Hinge Long Pin Top Short Pin Bottom .122 kg.					2			1		1		
	65-2103 Heavy-Duty Hinge .097 kg. Captivates Door					1				1	1		

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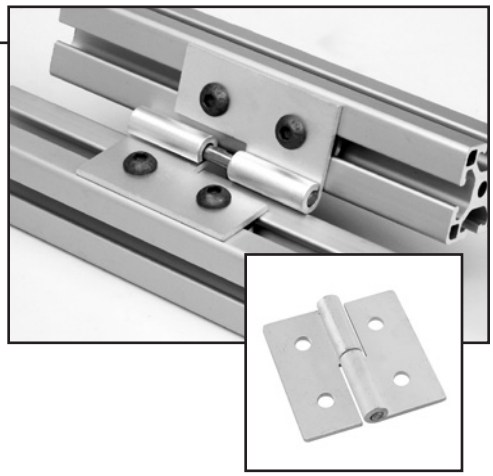
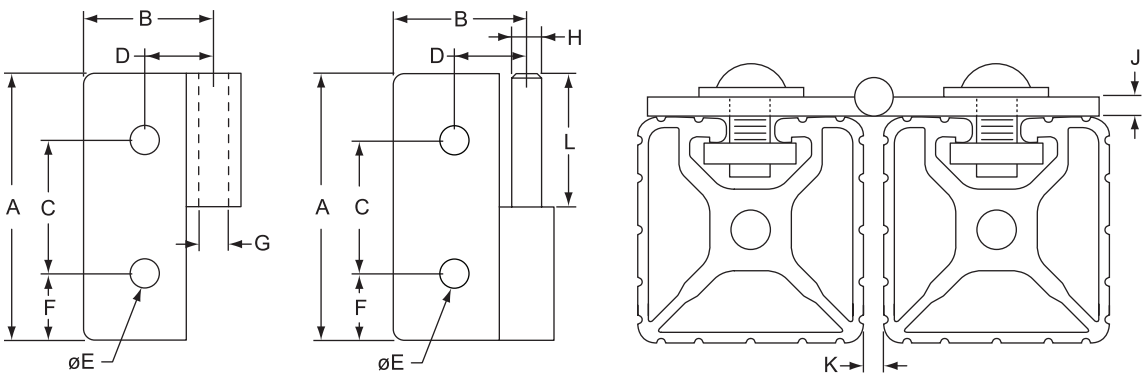
Economy Lift-Off Hinges

- **25 and 40 Series compatible**
- **Hinge leaf is aluminum with a clear anodize finish**
- **Aluminum pin, long and short pin lengths**
- **Available in both right and left hand options**
- **25 Series offers 18 kg. capacity**
  40 Series offers 32 kg. capacity
- **Cost-effective option for lightweight doors and on-site assembly**





Part No.	Type	A	B	C	D	E	F	G	H	J	K	L	Capacity
25-2830	Left Hinge Short Pin	50.80	25.40	25.40	11.90	7.15	12.70	4.95	4.75	2.36	1.60	12.70	18 kg.
25-2831	Left Hinge Long Pin	50.80	25.40	25.40	11.90	7.15	12.70	4.95	4.75	2.36	1.60	25.40	18 kg.
40-2832	Left Hinge Short Pin	76.20	38.10	38.10	20.60	8.30	19.00	6.35	6.48	3.05	3.05	19.05	32 kg.
40-2833	Left Hinge Long Pin	76.20	38.10	38.10	20.60	8.30	19.00	6.35	6.48	3.05	3.05	38.10	32 kg.
25-2835	Left Hinge Assembly	–	–	–	–	–	–	–	–	–	–	–	–
40-2836	Left Hinge Assembly	–	–	–	–	–	–	–	–	–	–	–	–
25-2837	Right Hinge Short Pin	50.80	25.40	25.40	11.90	7.15	12.70	4.95	4.75	2.36	1.60	12.70	18 kg.
25-2838	Right Hinge Long Pin	50.80	25.40	25.40	11.90	7.15	12.70	4.95	4.75	2.36	1.60	25.40	18 kg.
40-2839	Right Hinge Short Pin	76.20	38.10	38.10	20.60	8.30	19.00	6.35	6.48	3.05	3.05	19.05	32 kg.
40-2840	Right Hinge Long Pin	76.20	38.10	38.10	20.60	8.30	19.00	6.35	6.48	3.05	3.05	38.10	32 kg.
25-2841	Right Hinge Assembly	–	–	–	–	–	–	–	–	–	–	–	–
40-2842	Right Hinge Assembly	–	–	–	–	–	–	–	–	–	–	–	–

Note: Hinge assemblies include (2) hinge, one long pin and one short pin.

Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

		Lift-Off Hinge Part No.											
Part No.	Series	25-2830	25-2831	40-2832	40-2833	25-2835	40-2836	25-2837	25-2838	40-2839	40-2840	25-2841	40-2842
75-3404	25	4	4	–	–	8	–	4	4	–	–	8	–
75-3421	40	–	–	4	4	–	8	–	–	4	4	–	8

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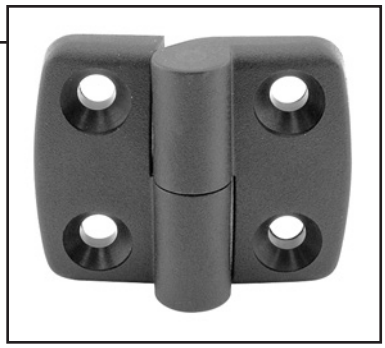
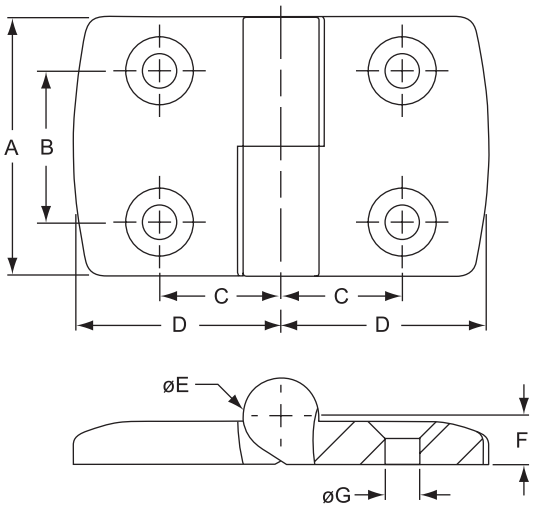
Plastic Lift-Off Hinge



- **Fiberglass-reinforced black nylon with stainless steel pin**
- **Available in both right and left hand options**
- **Suitable for plastic panels and lightweight doors to T-slotted profiles**
- **Refer to chart for extrusion compatibility**



Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description	Hinge Part No.	Location
75-3616	2	M6 x 14mm FHSCS & Slide-In T-nut	12101-12105	T-slot
75-3589	2	M6 x 20mm FHSCS, Hex Nut & Washer		6mm Panel
75-3585	2	M6 x 14mm FHSCS & Drop-In T-nut	12110-12114	T-slot
75-3628	2	M6 x 18mm FHSCS & Drop-In T-nut	12119-12132	T-slot
75-3587	2	M6 x 18mm FHSCS & Drop-In T-nut	12137-12142	T-slot
75-3589	2	M6 x 20mm FHSCS, Hex Nut & Washer	All	6mm Panel

Part No.	Slot Tab	Position	A	B	C	D	E	F	G	Max. Load	kg.	Compatibility Code*
12101	None	Left	48.00	28.00	15.00	26.00	14.00	9.00	6.60	25 Nm / 18 ft-Lbs.	.031	6-10 6-25
12102	6.00	Left										
12104	None	Right										
12105	6.00	Right										
12110	None	Left			17.50	29.50					.036	8-30
12111	8.00	Left										
12113	None	Right										
12114	8.00	Right										
12128	None	Left			22.50	38.50				35 Nm / 25 ft-Lbs.	.042	8-15 8-40
12129	8.00	Left										
12131	None	Right										
12132	8.00	Right										
12137	None	Left			25.00	43.50					.045	10-45
12139	10.00	Left										
12140	None	Right										
12142	10.00	Right										

* See Compatibility Code information on page 833.

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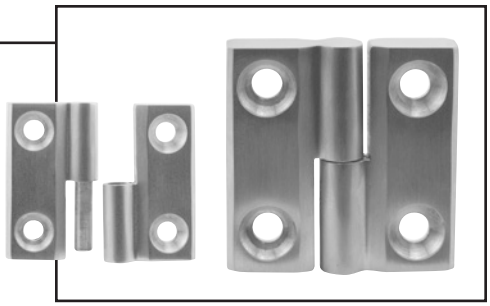
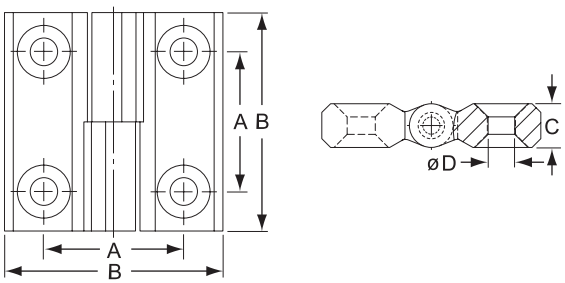
Lift-Off Hinge

- **Stainless steel**
- **Countersunk for use as a left hand or right hand hinge**





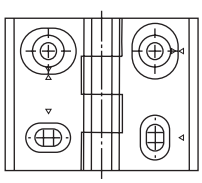
Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

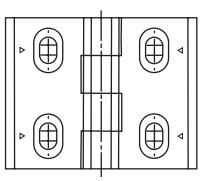
Part No.	Qty	Description
3648	4	1/4-20 x 5/8" FHSCS & Roll-In T-nut

Part No.	A	B	C	D	Max. Load	kg.	Compatibility Code*
12095	32.00	50.00	10.00	6.40	300 Nm / 221.0 ft-Lbs.	.155	6-10, 6-25

Standard 2-D Hinge

- **Die cast zinc with black powder coat**
- **Adjustable mount allows vertical or horizontal adjustment with slots**
- **15 and 40 Series compatible**


12068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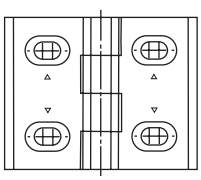
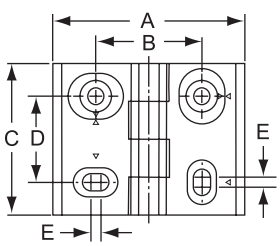
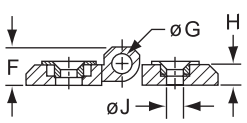

12070





Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description
75-3628	4	M6 x 18mm FHSCS & Drop-In T-nut

Part No.	Adjustable	A	B	C	D	E	F	G	H	J	Max. Load	kg.	Compatibility Code*
12068	Vert. & Horiz.	76.00	42.00	60.00	34.00	4.00	15.00	8.00	8.50	6.60	300 Nm / 221 ft-Lbs.	.191	8-15 8-40
12069	Vert. Only												
12070	Horiz. Only												

* See Compatibility Code information on page 833.

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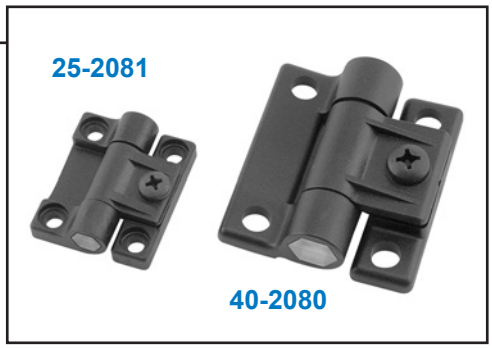
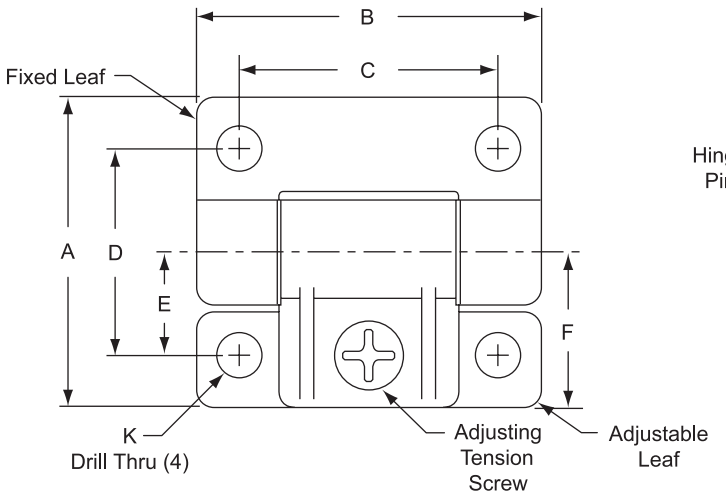
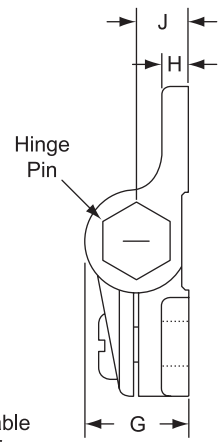
Adjustable Hinges

- **25 and 40 Series compatible**
- **Body made of black acetal with clear polycarbonate hinge pins**
- **Hinges mount plastic panels and lightweight doors to T-slotted profiles**
- **Durable and economical hinge allows adjustment of pivot tension**

Note: These hinges are not suitable for hinging T-slotted profiles together.







Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Series	Qty	Description
75-3401	25	2	M5 x 10mm SHCS & Economy T-Nut
75-3422	40	2	M8 x 16mm BHSCS & Economy T-Nut

Recommended Mounting Hardware Per Leaf (Hinge to 6mm Panel):

Part No.	Series	Qty	Description
75-3400	25	2	M5 x 16mm SHCS & Hex Nut
75-3472	40	2	M8 x 20mm BHSCS & Hex Nut

Part No.	A	B	C	D	E	F	G	H	J	K	kg.
25-2081	36.58	42.93	31.75	25.40	12.70	18.29	12.70	5.84	6.86	ø5.00	.014
40-2080	57.10	63.50	47.75	38.10	19.05	28.58	19.56	5.08	10.41	ø8.30	.045

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Detent Hinges

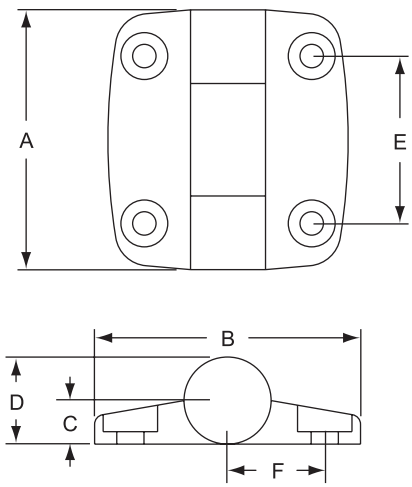
- **25 and 40 Series compatible**
- **Hold doors closed and open at 120º and 170º for hands-free access**
- **Snap-on cover hides mounting hardware**
- **Aluminum door stop block with mounting hardware included**

Note: These hinges are not suitable for hinging T-slotted profiles together.

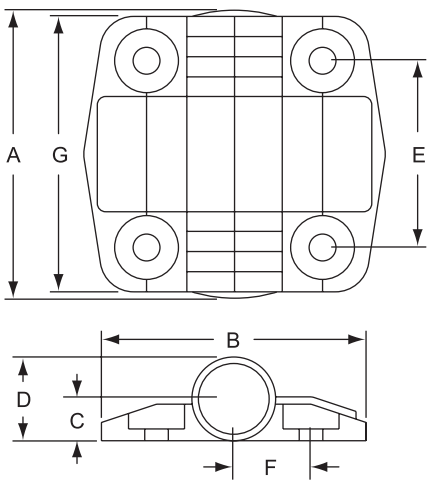
25-2071

40-2091

25 Series Detent Hinge
(4.7mm Drill Thru Required For Panels)



40 Series Detent Hinge
(6.3mm Drill Thru Required For Panels)



Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Series	Qty	Description
75-3537	25	2	M4 x 10mm BHSCS & Econ T-nut
75-3583	40	2	M5 x 12mm BHSCS & Drop In T-nut

Recommended Mounting Hardware Per Leaf (Hinge to 6mm Panel):

Part No.	Series	Qty	Description
75-3538	25	2	M4 x 12mm BHSCS w/ Washer & Hex Nut
75-3540	40	2	M5 x 16mm BHSCS w/ Washer & Hex Nut

Part No.	A	B	C	D	E	F	G	kg.
25-2071	49.28	43.43	7.11	13.97	31.75	12.70	–	.0140
40-2091	52.07	56.90	10.41	18.03	34.04	17.02	50.04	.0390

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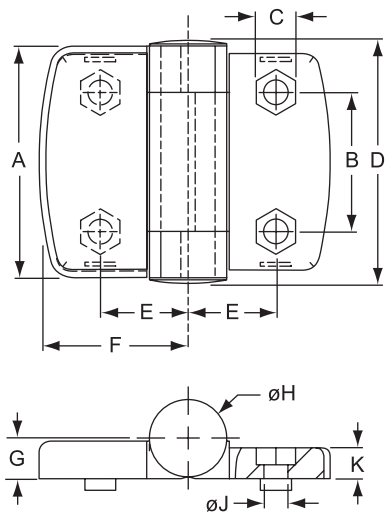
Detent Positioning Hinges

- **Fiberglass-reinforced black nylon with cover caps and die-cast zinc pin**
- **Snap on cover hides mounting hardware**
- **15, 30 and 40 Series compatible**
- **Detent at 0°, 85° or 175°**



Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description	Hinge Part No.	Location
75-3599	2	M6 x 10mm BHSCS & Drop-In T-nut	12322-12325	T-Slot
75-3603	2	M6 x 14mm BHSCS & Hex Nut		6mm Panel
75-3622	2	M6 x 14mm BHSCS & Drop-In T-nut	12326-12327	T-Slot
75-3605	2	M6 x 18mm BHSCS, Hex Nut & Washer		6mm Panel

Part No.	Slot Tab	A	B	C	D	E	F	G	H	J	K	Max. Load	kg.	Compatibility Code*
12322	None	56.00	36.00	10.20	63.00	22.73	27.00	10.50	20.00	6.40	8.00	20 Nm / 14.7 ft-Lbs.	.073	8-30
12326	None						36.75						.093	8-15, 8-40
12327	8.00													

* See Compatibility Code information on page 833.

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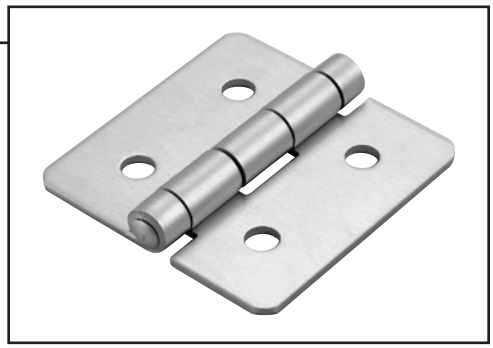
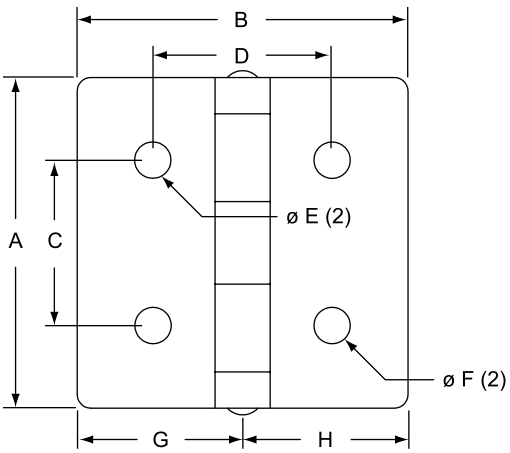
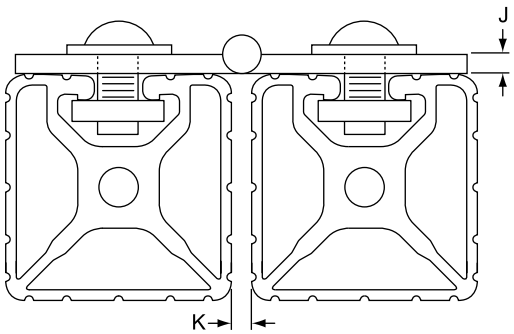
Aluminum Hinges

- **Mount heavier doors or even two profiles side by side**
- **Part No. 65-2084 transitions from 25 to 40 Series**
- **25 Series maximum load capacity is 18 kg. 40 Series maximum load capacity is 34 kg.**
- **Clear anodize finish**







Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

		Hinge Part No.		
Part No.	Series	25-2086	40-2085	65-2084
75-3515	25	4	–	2
75-3525	40	–	4	2
75-3480	40	-	4	4

Part No.	A	B	C	D	E	F	G	H	J	K	Capacity	kg.
25-2086	50.80	50.80	25.40	27.00	6.50 (2)	6.50 (2)	25.40	25.40	1.98	1.60	18 kg.	.0250
40-2085	76.20	76.20	38.10	41.30	8.30 (2)	8.30 (2)	38.10	38.10	3.18	3.18	34 kg.	.0770
65-2084	76.20	63.50	38.10	34.93	8.30 (2)	6.50 (2)	38.10	25.40	3.18	1.92	34 kg.	.0680

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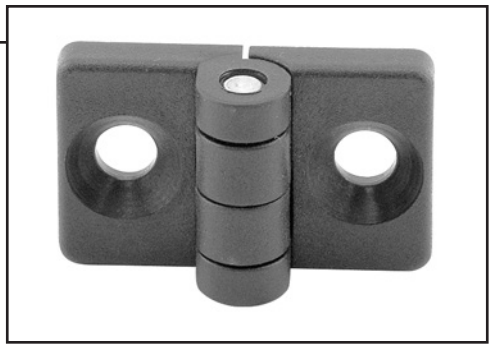
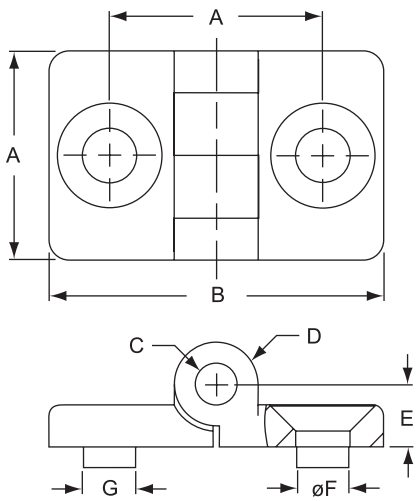
Plastic Standard Hinge

- **Fiberglass-reinforced black nylon with stainless steel pin**
- **Mount plastic panels and lightweight doors to T-slotted profiles**
- **20 Series compatible**





Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description
75-3571	1	M5 x 8mm FHSCS & Econ. Slide-In T-nut

Recommended Mounting Hardware Per Leaf (Hinge to 4.5mm Panel):

Part No.	Qty	Description
75-3573	1	M5 x 14mm FHSCS, Hex Nut & Washer

Part No.	A	B	C	D	E	F	G (Slot Tab)	Max. Load	kg.	Compatibility Code*
12074	20.00	32.00	4.00	8.00	6.00	5.20	None	10 Nm / 7.3 ft-Lbs.	.005	5-20
12075							5.00			

* See Compatibility Code information on page 833.

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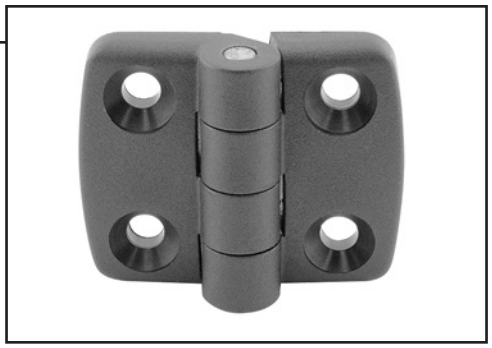
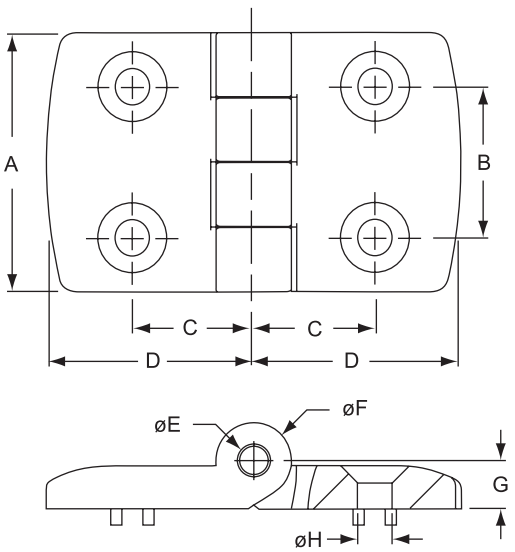
Plastic Standard Hinges



- **Fiberglass-reinforced black nylon with stainless steel pin**
- **Hinges plastic panels or T-slotted extrusions**
- **See chart for compatibility**



Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description	Hinge Part No.	Location
75-3552	2	M4 x 10mm FHSCS & Econ. Slide-In T-nut	12067	T-slot
75-3562	2	M4 x 12mm FHSCS, Hex Nut & Washer		4.5mm Panel
75-3616	2	M6 x 14mm FHSCS & Slide-In T-nut	12098-12099	T-slot
75-3589	2	M6 x 20mm FHSCS, Hex Nut & Washer		6mm Panel
75-3585	2	M6 x 14mm FHSCS & Drop-In T-nut	12107-12108	T-slot
75-3628	2	M6 x 18mm FHSCS & Drop-In T-nut	12116-12126	T-slot
75-3587	2	M6 x 18mm FHSCS & Drop-In T-nut	12134-12136	T-slot
75-3589	2	M6 x 20mm FHSCS, Hex Nut & Washer	12107-12136	6mm Panel

Part No.	Slot Tab	A	B	C	D	E	F	G	H	Max. Load	kg.	Compatibility Code*
12067	None	30.00	14.00	11.50	19.50	3.00	8.00	5.50	4.20	30 Nm / 22 ft-Lbs.	.0075	5-20
12098	None	48.00	28.00	15.00	26.00	6.00	14.00	9.00	6.60	30 Nm / 22 ft-Lbs.	.0320	6-10, 6-25
12099	6.00											
12107	None			17.50	29.50						.0360	8-30
12108	8.00											
12125	None			22.50	38.50					40 Nm / 30 ft-Lbs.	.0430	8-15, 8-40
12126	8.00											
12134	None			25.00	43.50					40 Nm / 29 ft-Lbs.	.0450	10-45
12136	10.00											

* See Compatibility Code information on page 833.

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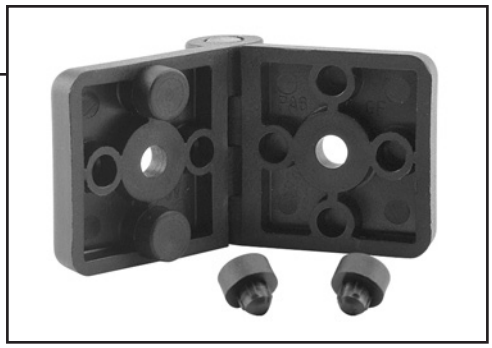
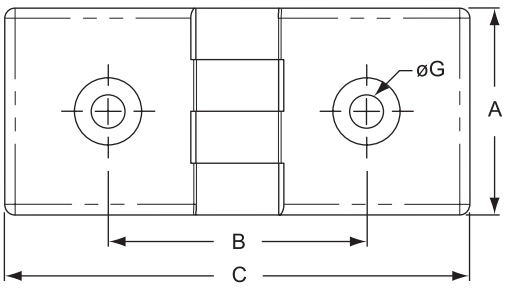
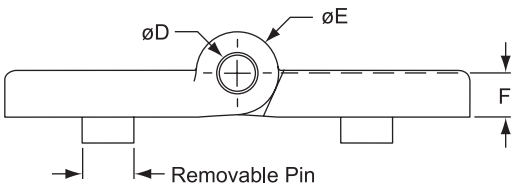
Plastic Standard Hinge

Fiberglass-Reinforced Black Nylon w/Stainless Steel Pin







Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description
75-3588	1	M6 x 20mm FHSCS & Drop-In T-nut

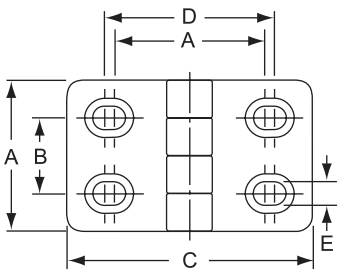
Recommended Mounting Hardware Per Leaf (Hinge to 6mm Panel):

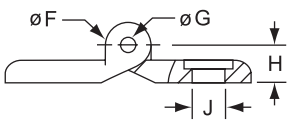
Part No.	Qty	Description
75-3589	1	M6 x 20mm FHSCS, Hex Nut & Washer

Part No.	Slot Pin	A	B	C	D	E	F	G	Max. Load	kg.	Compatibility Code*
12252	10.00	40.00	50.00	90.00	8.00	16.00	9.00	6.50	150 Nm / 110 ft-Lbs.	.048	10-45

Plastic Standard Hinge

- **Fiberglass-reinforced black nylon with stainless steel pin**
- **Hinges plastic panel doors or T-slotted extrusions**
- **Adjusts horizontally with slots**
- **15 and 40 Series compatible**





Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description	Location
75-3622	2	M6 x 14mm BHSCS & Drop-In T-nut	T-Slot
75-3605	2	M6 x 18mm BHSCS, Hex Nut & Washer	6mm Panel

Part No.	A	B	C	D	E	F	G	H	J	Max. Load	kg.	Compatibility Code*
12254	40.00	20.00	65.00	45.00	6.20	12.00	4.00	10.00	8.70	17 Nm / 12.5 ft-Lbs.	.0075	8-15, 8-40

* See Compatibility Code information on page 833.

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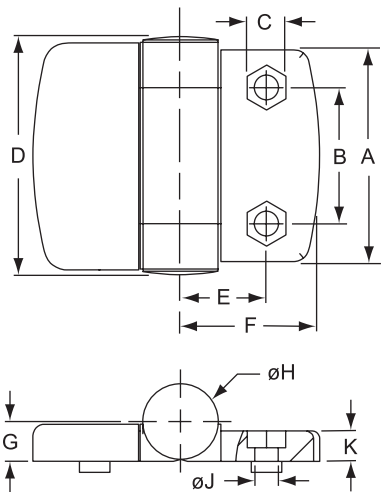
Plastic Standard Hinge

- **Fiberglass-reinforced black nylon with die-cast zinc pin**
- **Snap-on cover hides mounting hardware**
- **Hinges plastic panel doors or T-slotted extrusions**
- **15, 30 and 40 Series compatible**



Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description	Hinge Part No.	Location
75-3599	2	M6 x 10mm BHSCS & Drop-In T-nut	12162-12164	To T-Slot
75-3603	2	M6 x 14mm BHSCS, & Hex Nut		6mm Panel
75-3622	2	M6 x 14mm BHSCS & Drop-In T-nut	12165-12166	To T-Slot
75-3605	2	M6 x 18mm BHSCS, Hex Nut & Washer		6mm Panel

Part No.	Slot Tab	A	B	C	D	E	F	G	H	J	K	Max. Load	kg.	Compatibility Code*
12162	None	56.00	36.00	10.20	63.00	17.75	27.00	10.50	20.00	6.40	8.00	20 Nm / 14.7 ft-Lbs.	.040	8-30
12164	8.00													
12165	None					22.75	36.75						.051	8-15, 8-40
12166	8.00													

* See Compatibility Code information on page 833.

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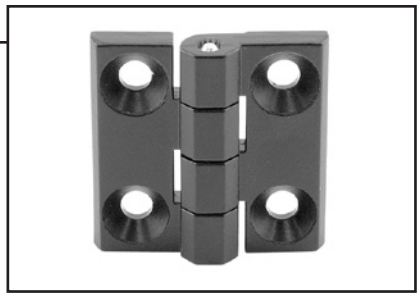
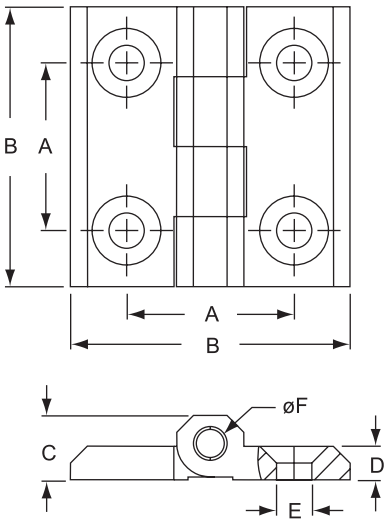
Standard Hinge



- **Die-cast zinc with black powder coat**
- **10, 20. 25 and 30 Series compatible**



Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Hinge Part No.	Bolt Assem. Part No.	Qty	Description
12255	75-3572	2	M5 x 10mm FHSCS & Econ. Slide-In T-nut
12062	75-3585	2	M6 x 14mm FHSCS & Drop-In T-nut
12256	75-3584	2	M6 x 14mm FHSCS & Slide-In T-nut

Recommended Mounting Hardware Per Leaf (Hinge to Panel):

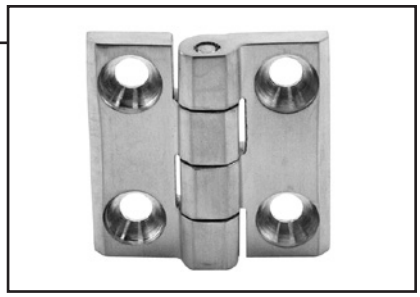
Hinge Part No.	Bolt Assem. Part No.	Panel Size	Qty	Description
12255	75-3573	4.5mm	2	M5 x 14mm FHSCS Hex Nut & Washer
12062	75-3589	6.0mm	2	M6 x 20mm FHSCS Hex Nut & Washer

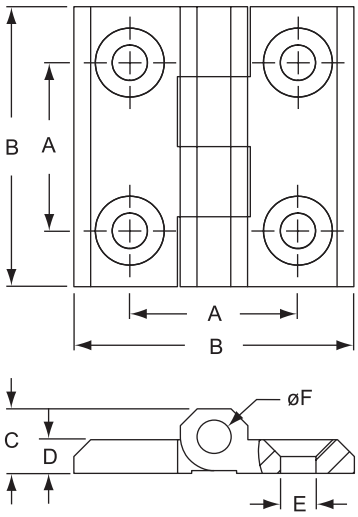
Part No.	A	B	C	D	E	F	Max. Load	kg.	Compatibility Code*
12255	25.00	40.00	9.00	5.00	5.20	4.00	50 Nm / 36.8 ft-Lbs.	.045	5-20
12256	30.00	50.00	11.50	6.00	6.20	6.00	50 Nm / 36.8 ft-Lbs.	.090	6-10, 6-25
12062	36.00	60.00	15.00	8.00	8.50	8.00	60 Nm / 44.0 ft-Lbs.	.168	8-30

* See Compatibility Code information on page 833.

Standard Hinge

- Stainless steel with plain finish
- 10, 20. 25 and 30 Series compatible





Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Hinge Part No.	Bolt Assem. Part No.	Qty	Description
12093	75-3572	2	M5 x 10mm FHSCS & Econ. Slide-In T-nut
12096	75-3585	2	M6 x 14mm FHSCS & Drop-In T-nut
12094	75-3639	2	M6 x 12mm FHSCS & Std. T-nut

Recommended Mounting Hardware Per Leaf (Hinge to Panel):

Hinge Part No.	Bolt Assem. Part No.	Panel Size	Qty	Description
12093	75-3573	4.5mm	2	M5 x 14mm FHSCS Hex Nut & Washer
12096	75-3589	6.0mm	2	M6 x 20mm FHSCS Hex Nut & Washer

Part No.	A	B	C	D	E	F	Max. Load	kg.	Compatibility Code*
12093	25.00	40.00	9.00	5.00	5.20	4.00	50 Nm / 36.8 ft-Lbs.	.061	5-20
12094	30.00	50.00	11.50	6.00	6.20	6.00	50 Nm / 36.8 ft-Lbs.	.095	6-10, 6-25
12096	36.00	60.00	15.00	8.00	8.30	8.00	60 Nm / 44.0 ft-Lbs.	.222	8-30

* See Compatibility Code information on page 833.

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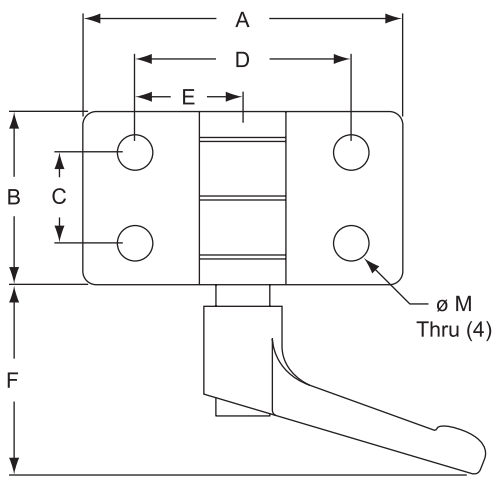
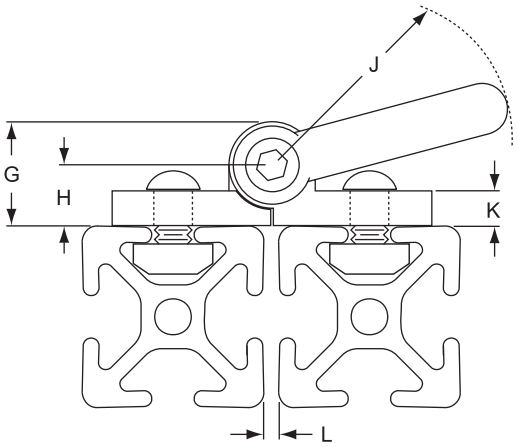
Combination Hinges

- **40 Series compatible**
- **Black powder-coated zinc die-cast, with stainless steel hinge pin**
- **40-4488 features ratcheting clamp handle for locking hinge into position**
- **Maximum load is 250Nm**





Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

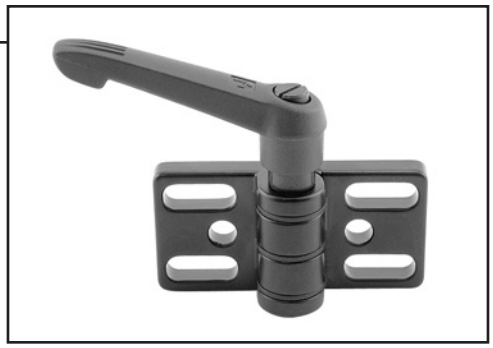
Part No.	Qty	Description
11-8518	4	M8 x 18mm SHCS
AND		
40-1984	4	M8 Standard T-nut

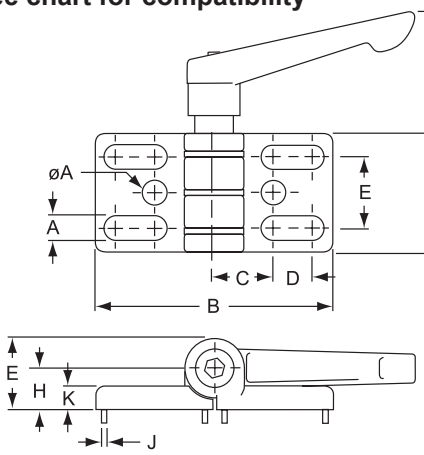
Part No.	A	B	C	D	E	F	G	H	J	K	L	M	kg.
40-4488	74.00	40.00	21.00	45.00	22.50	41.00	24.00	14.00	65.00	7.92	5.00	8.20	.222
40-4489	74.00	40.00	21.00	45.00	22.50	N/A	24.00	14.00	N/A	7.92	5.00	8.20	.191

* See Compatibility Code information on page 833.

Standard Hinges with Locking Lever

- Die-cast zinc with black powder coat
- See chart for compatibility





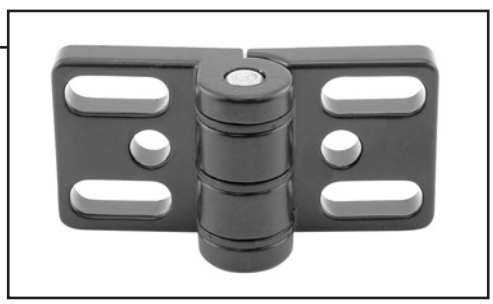
Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

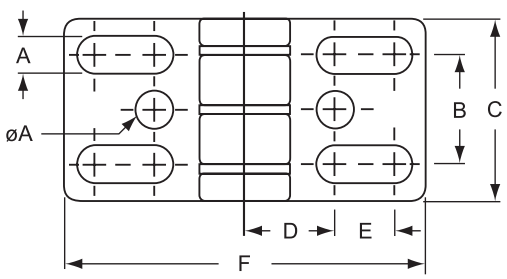
Part No.	Qty	Description	Hinge Part No.
75-3630	4	M8 x 20mm SHCS & Drop-In T-nut	12085, 12087
75-3627	4	M8 x 18mm SHCS & Slide-In T-nut	12085, 12086

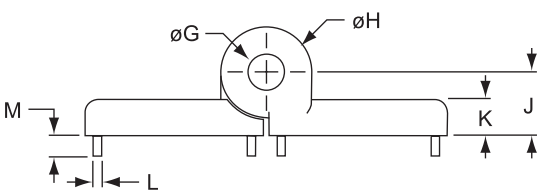
Part No.	Slot Tab	A	B	C	D	E	F	G	H	J	K	Max. Load	kg.	Compatibility Code*
12085	None	8.30	80.00	20.00	13.00	24.00	40.00	41.00	14.00	1.80	4.50	250 Nm / 184 ft-Lbs.	.195	8-15, 8-40, 10-45
12086	8.00													8-15, 8-40
12087	10.00													10-45

Standard Hinges

- Die-cast zinc with black powder coat
- See chart for compatibility







Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description	Hinge Part No.
75-3630	4	M8 x 20mm SHCS & Drop-In T-nut	12084, 12089
75-3627	4	M8 x 18mm SHCS & Slide-In T-nut	12084, 12088

Part No.	Slot Tab	A	B	C	D	E	F	G	H	J	K	L	M	Max. Load	kg.	Compatibility Code*
12084	None	8.30	24.00	40.00	20.00	13.00	80.00	8.00	20.00	14.00	8.00	1.80	4.50	250 Nm / 184 ft-Lbs.	.177	8-15, 8-40, 10-45
12088	8.00															8-15, 8-40
12089	10.00															10-45

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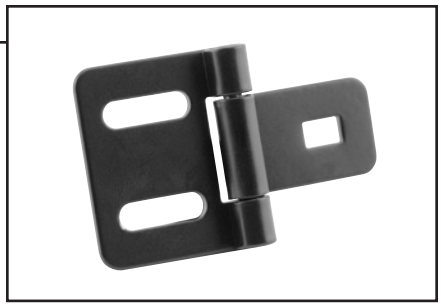
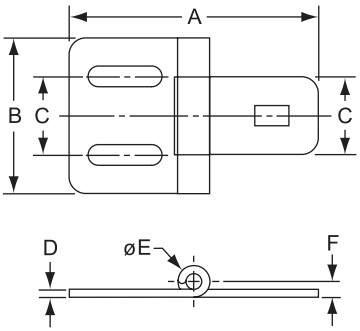
* See Compatibility Code information on page 833.

Standard Panel Hinge



- **Steel with black powder coat**
- **For plastic panel doors and light weight T-slotted extrusions**
- **Includes bolt assembly (to 6mm panel): M5 screw, nut and washer**
- **15 and 40 Series compatible**

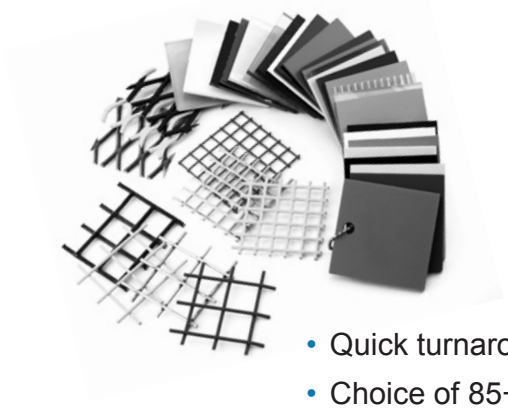


Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Description
75-3583	2	M5 x 12mm BHSCS & Drop-In T-nut

Part No.	A	B	C	D	E	F	Max. Load	kg.	Compatibility Code*
12097	64.00	40.00	20.00	2.10	8.20	4.10	25 Nm / 18.0 ft-Lbs.	.039	8-15, 8-40

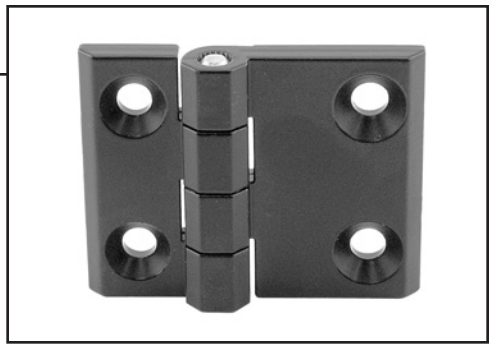
80/20's Panel Shop Will Cut and Machine Your Panels to Meet Your Needs

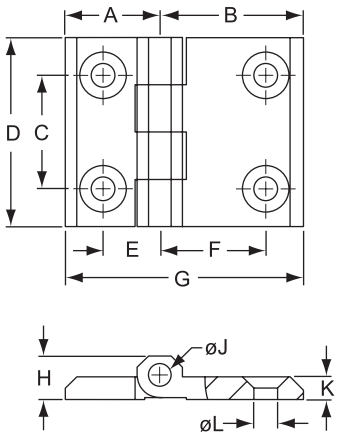


- Quick turnaround time with our full-service panel shop
- Choice of 85+ panels in stock, or we'll order what you need
- No minimums – we'll cut panels to size
- Save on shipping cost – NO drops to store

* See Compatibility Code information on page 833.

Transition Hinge
Die-Cast Zinc, Black Powder Coat



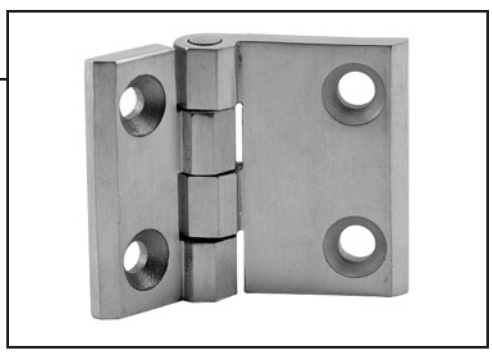


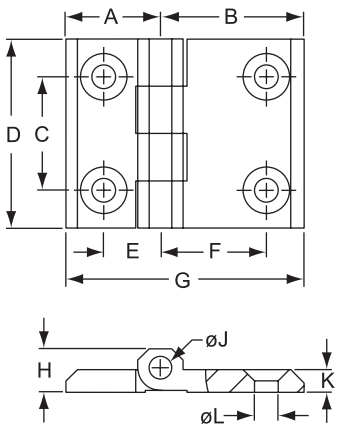
Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Series	Description
75-3585	2	30	M6 x 14mm FHSCS & Drop-In T-nut
AND			
75-3587	2	45	M6 x 18mm FHSCS & Drop-In T-nut

Part No.	A	B	C	D	E	F	G	H	J	K	L	Max. Load	kg.	Compatibility Code*
12064	25.00	38.00	30.00	50.00	15.00	28.00	63.00	11.50	6.00	6.00	6.30	60 Nm / 44 ft-Lbs.	.195	8-30 to 10-45

Transition Hinge
Stainless Steel, Plain Finish





Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Qty	Series	Description
75-3585	2	30	M6 x 14mm FHSCS & Drop-In T-nut
AND			
75-3587	2	45	M6 x 18mm FHSCS & Drop-In T-nut

Part No.	A	B	C	D	E	F	G	H	J	K	L	Max. Load	kg.	Compatibility Code*
12065	25.00	38.00	30.00	50.00	15.00	28.00	63.00	11.50	6.00	6.00	6.30	60 Nm / 44 ft-Lbs.	.122	8-30 to 10-45

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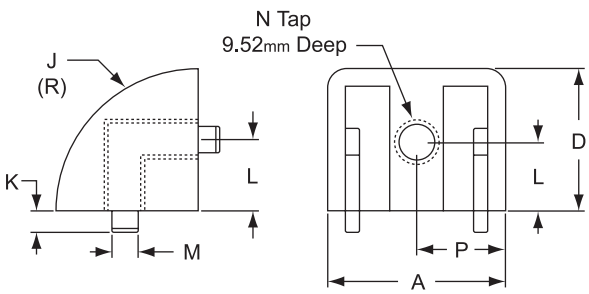
Glass Panel Holder

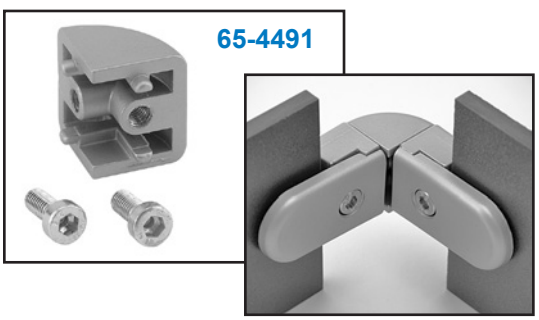
- 25 and 40 Series compatible
- Both 65-4490 and 65-4491 are die-cast zinc with gray powder-coated finish
- Accepts plastic panels from 2.00mm to 10.00mm thick, using rubber pads
- 65-4491 includes (2) M5 x 12 SHCS, for mounting to 65-4490 glass panel clamp
- Use 65-4490 and 65-4491 together for a frameless plastic panel corner

65-4490

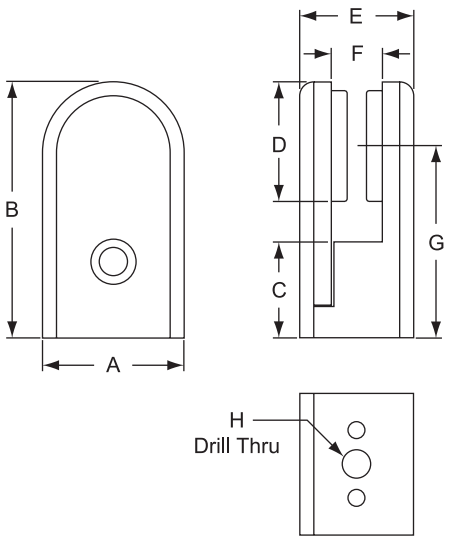
65-4491 Panel Clamp 90° Corner



65-4491



65-4490 Glass Panel Clamp



Recommended 25 Series Hardware (Mount 65-4490 To T-Slot):

Part No.	Qty	Description
11-5312	1	M5 x 12mm BHSCS
AND		
25-1954	1	M5 Standard T-nut

Recommended 40 Series Hardware (Mount 65-4490 To T-Slot):

Part No.	Qty	Description
11-5314	1	M5 x 14mm BHSCS
AND		
13116	1	M5 Drop-In T-nut

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	kg.
65-4490	25.00	45.70	17.00	20.06	20.82	9.00	32.50	M5 SHCS	–	–	–	–	–	–	.0671
65-4491	25.00	–	–	–	–	–	–	–	20.06	3.00	10.03	3.96	M5	12.50	.0344

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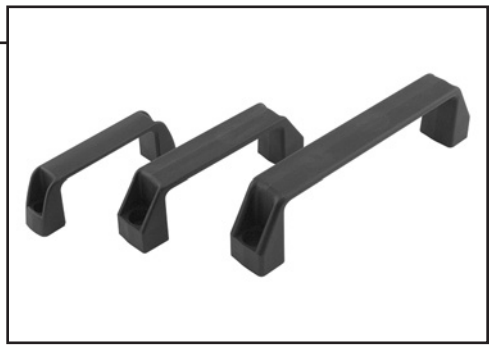
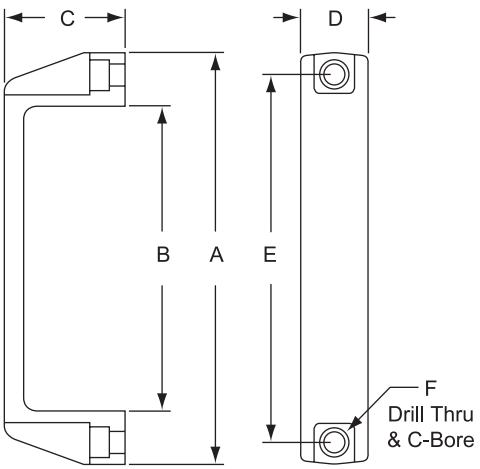
Plastic Door Handles

- **Mount to 25 and 40 Series profiles**
- **Very durable – made of high-strength black or red polycarbonate**
- **Corrosion-resistant material for use in high moisture environments**
- **See page 1068 for panel machining service**





Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Series	Qty	Description
75-3578	20	2	M5 x 12mm SHCS & Economy T-nut
75-3521	25	2	M6 x 12mm SHCS & Economy T-nut
75-3593	30	2	M6 x 14mm SHCS & Drop-In T-nut
75-3634	40	2	M8 x 18mm SHCS & Economy T-Nut
75-3630	45	2	M8 x 20mm SHCS & Slide-In T-nut

Recommended Mounting Hardware: (Mount to 6mm Panel):

Part No.	Series	Qty	Description
75-3470	25	2	M6 x 16mm SHCS w/ Washer & Hex Nut
75-3475	40	2	M8 x 20mm SHCS w/ Washer & Hex Nut

Part No.	Size	Color	A	B	C	D	E	F	kg.	Compatibility Code*
40-2060	Large	Black	196.85	152.91	50.80	27.94	179.07	M8 x 1.25 SHCS (2)	.0680	8-15, 8-40
40-2061	Medium	Black	138.94	93.73	41.40	25.91	116.84	M8 x 1.25 SHCS (2)	.0430	8-15, 8-40
25-2062	Small	Black	112.01	74.93	36.07	21.08	93.42	M6 x 1.0 SHCS (2)	.0250	6-10, 6-25
40-2880	Large	Red	196.85	152.91	50.80	27.94	179.07	M8 x 1.25 SHCS (2)	.0680	8-15, 8-40
40-2881	Medium	Red	138.94	93.73	41.40	25.91	116.84	M8 x 1.25 SHCS (2)	.0430	8-15, 8-40
25-2882	Small	Red	112.01	74.93	36.07	21.08	93.42	M6 x 1.0 SHCS (2)	.0250	6-10, 6-25

* See Compatibility Code information on page 833.

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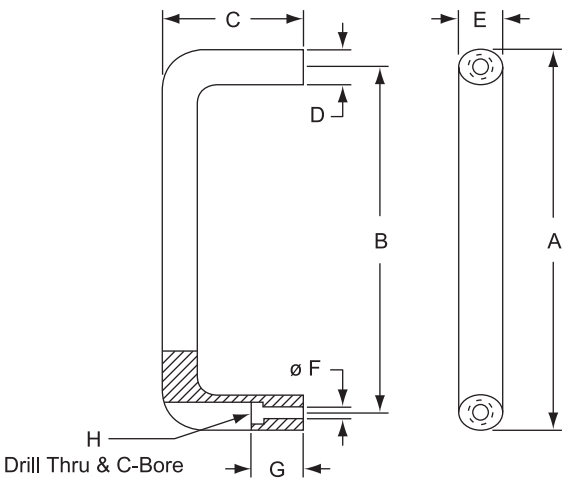
Aluminum Cabinet Handles

- **40 Series compatible**
- **Available in two sizes and two finishes**
- **Made from drawn aluminum, the ergonomic design is very durable**



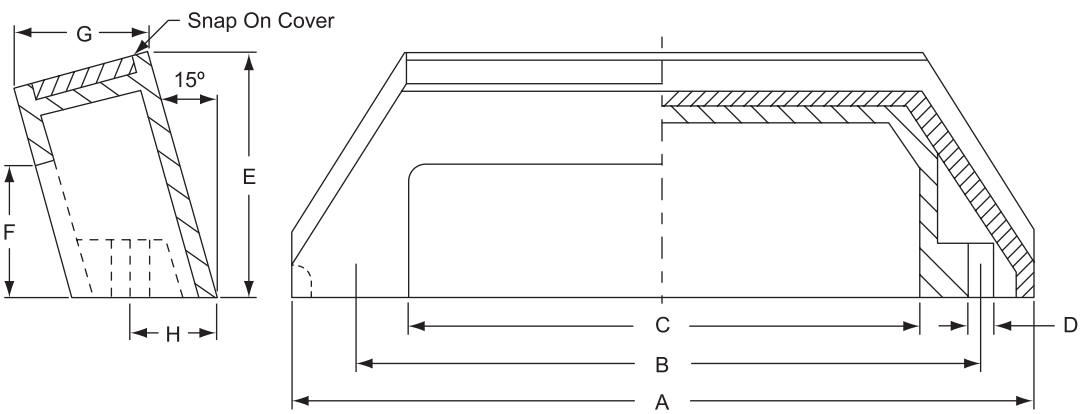
Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Series	Qty	Description
75-3596	30	2	M6 x 18mm SHCS & Std. T-nut
75-3414	40	2	M6 x 20mm SHCS & Economy T-nut
75-3597	45	2	M6 x 20mm SHCS & Drop-In T-nut

Part No.	Finish	A	B	C	D	E	F	G	H	kg.
40-2884	Black	129.00	116.00	53.00	17.00	26.00	6.40	17.00	M6 SHCS	.156
40-2885	Natural	129.00	116.00	53.00	17.00	26.00	6.40	17.00	M6 SHCS	.156
40-2886	Black	177.00	164.00	57.00	17.00	26.00	6.40	17.00	M6 SHCS	.203
40-2887	Natural	177.00	164.00	57.00	17.00	26.00	6.40	17.00	M6 SHCS	.203

Offset Handles

- Mounts to 25 or 40 Series profiles
- All mounting hardware included
- Corrosion-resistant handles made of fiber-reinforced technopolymer
- Bolt directly onto T-slotted profiles—ideal for bi-fold doors
- One side is solid, preventing finger pinch injuries
- Orange snap-on cover hides mounting screws



Part No.	A	B	C	D	E	F	G	H	kg.
40-2079	130.05	108.97	87.88	ø6.50	43.94	23.87	24.20	14.86	.095

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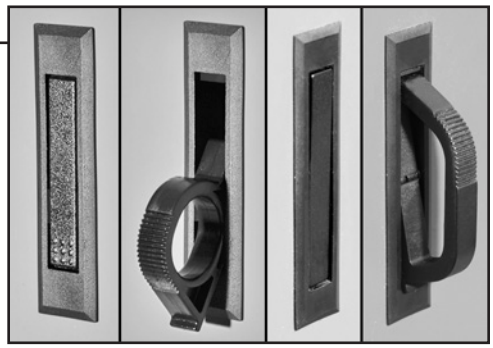
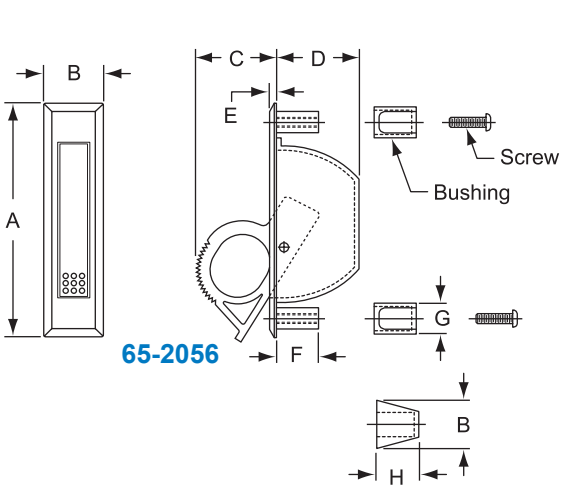
Flush Handles

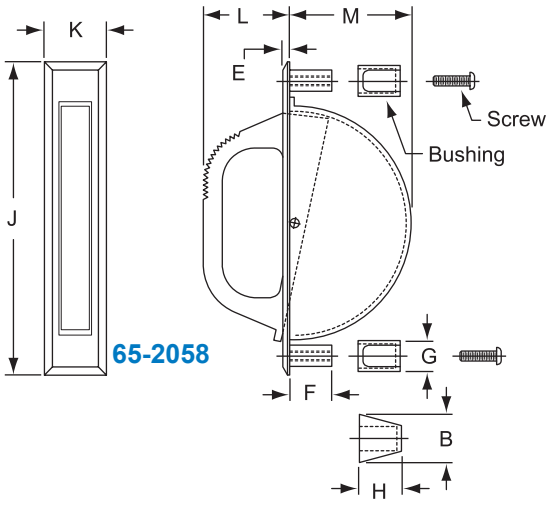
- Two sizes available
- Mounts in panels 1/4” or less thick
- All mounting hardware included
- Housings are made of black polymer
- 65-2056 handle pull made of black polymer
- 65-2058 handle pull made of black powder-coated aluminum
- See page 1066 for panel machining services



65-2056 65-2058



65-2056



65-2058

Part No.	Size	A	B	C	D	E	F	G	H	J	K	L	M	kg.
65-2056	Small	81.00	20.50	34.00	28.4	2.30	14.20	10.40	17.01	–	–	–	–	.043
65-2058	Large	–	20.50	–	–	2.30	14.20	10.40	17.01	106.40	20.80	29.50	41.40	.068

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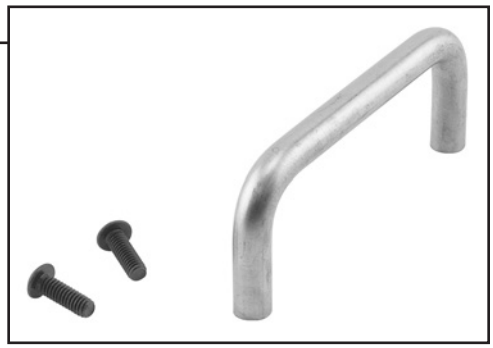
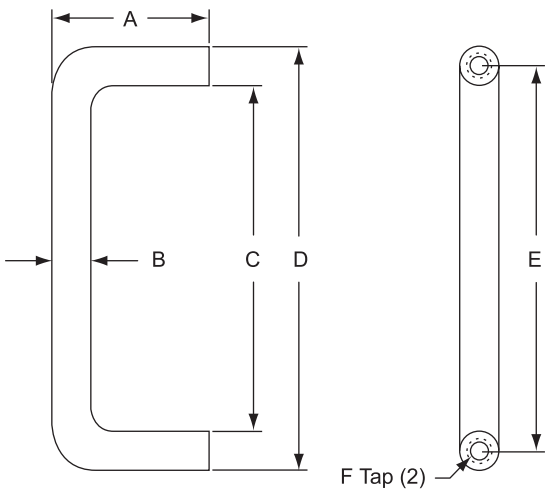
Steel Door Handle

- **Handle bolts directly to plastic panels**
- **All mounting hardware included – (2) 8-32 x 1/2" BHSCS**
- **Low, compact profile design ideal for smaller hinged or sliding doors**
- **See page 1069 for panel machining service**





Part No.	A	B	C	D	E	F	kg.
65-2070	31.20	8.00	68.30	84.00	76.20	8-32 x .50 Deep	.048

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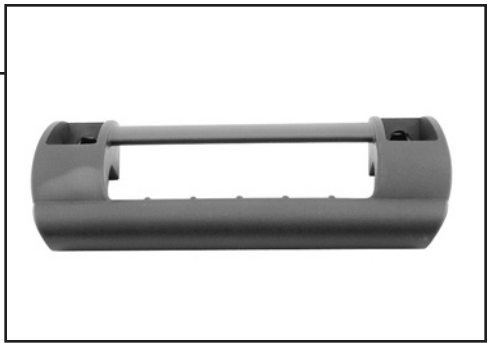
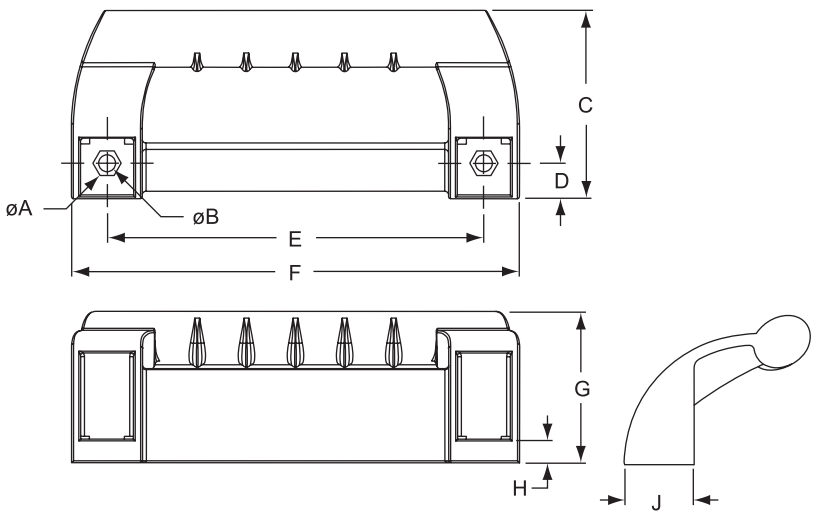
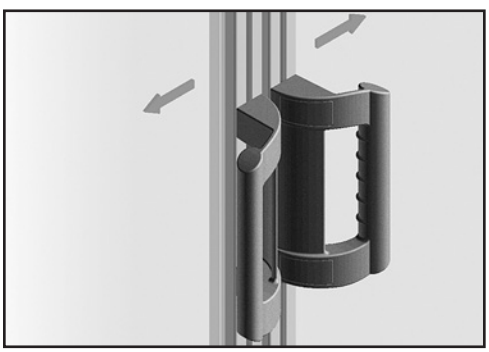
Large Ergonomic Handle

Fiberglass-Reinforced Nylon, Black

- **45 series compatible**
- **Ergonomic design with finger protection**
- **Cover caps hide mounting screws**







Recommended Metric Mounting Hardware: (Mount to T-Slot):

Part No.	Qty	Description
75-3621	2	M8 x 16mm SHCS & Econ. Slide-In T-nut
OR		
75-3623	2	M8 x 16mm SHCS & Drop-In T-nut

Part No.	A	B	C	D	E	F	G	H	J	kg.	Compatibility Code*
12000	15.50	8.70	100.00	19.00	200.00	242.00	82.00	12.50	38.00	.358	8-40, 10-45

* See Compatibility Code information on page 833.

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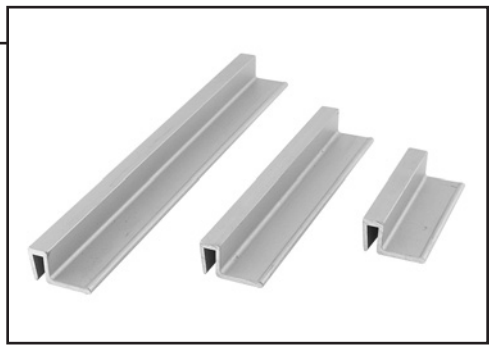
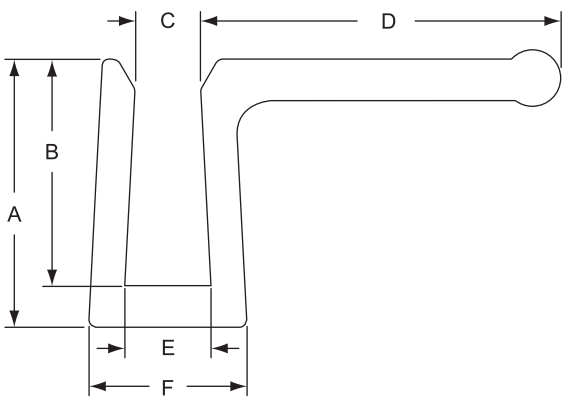
Aluminum Panel Handle

- **25 and 40 Series compatible**
- **Three standard lengths**
- **Press-fits on the edge of 6mm thick plastic panels**
- **Attractive, lightweight handle made of 6105-T5 clear anodized aluminum**
- **Custom lengths available – see page 708**





Part No.	Length	A	B	C	D	E	F	kg.
65-2780	76mm	18.03	15.24	4.60	24.13	6.10	10.67	.034
65-2781	152mm	18.03	15.24	4.60	24.13	6.10	10.67	.069
65-2782	228mm	18.03	15.24	4.60	24.13	6.10	10.67	.103

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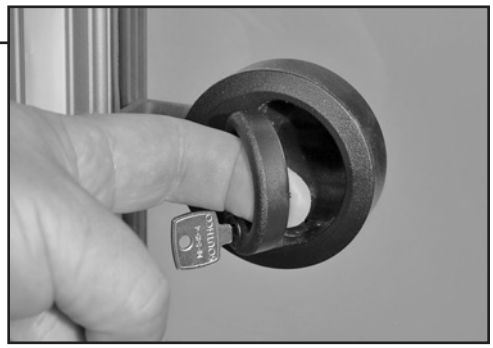
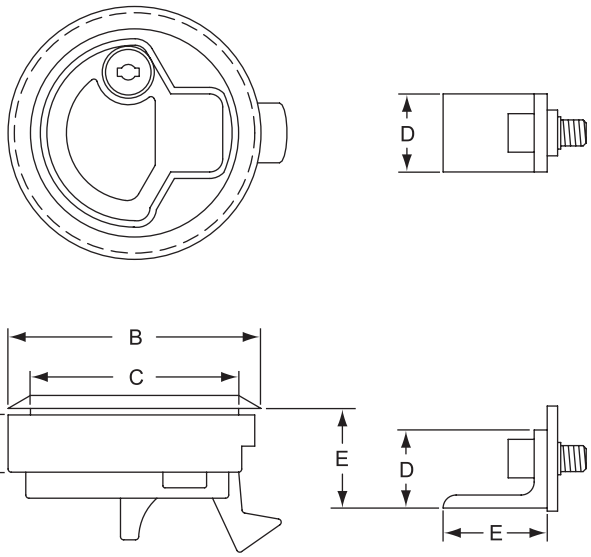
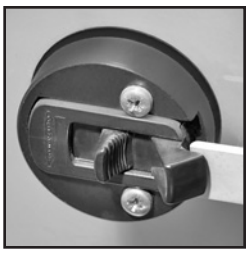
Locking Grabber Handle

- **Ideal for 2mm to 7mm plastic panels and can be opened from inside of door**
- **Striker plate and all mounting hardware included**
- **High-strength black polycarbonate provides slam action latch, handle, and lock in one unit**
- **See page 1065 for 65-7510, plastic panel machining service**

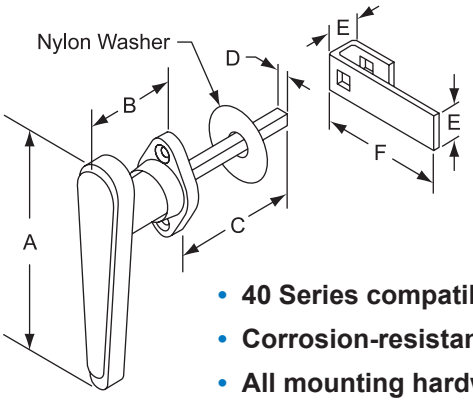






Part No.	A	B	C	D	E	kg.
65-2730	13.97	61.21	49.78	19.05	25.40	.054

Deluxe Door Handles

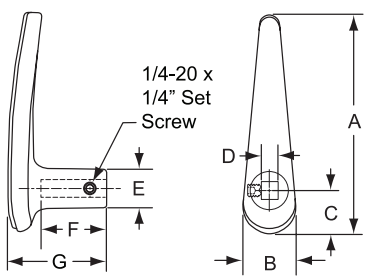


- 40 Series compatible
- Corrosion-resistant chrome finish
- All mounting hardware and pawl kit (2) 10-32 x 1.50" FHSCS included
- Requires furniture door latch machining service on page 576
- Easlily add an inside door handle (see below)

Part No.	Locking	A	B	C	D	E	F	kg.
40-2055	No	111.10	50.80	65.90	7.90	19.00	69.80	.311
40-2063	Yes	111.10	50.80	65.90	7.90	19.00	69.80	.311

Mating Inside Door Handle

- Mating inside handle for the Deluxe Door Handles
- 40 Series compatible
- Attaches to stem of opposing door handle with a set screw
- No additional machining required
- Ideal solution for office doors
- Chrome finish



Part No.	A	B	C	D	E Ø	F	G	kg.
40-2052	104.80	25.40	20.70	8.10	18.30	31.80	47.60	.159

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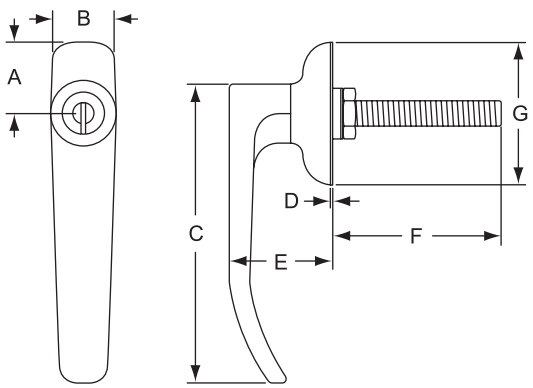
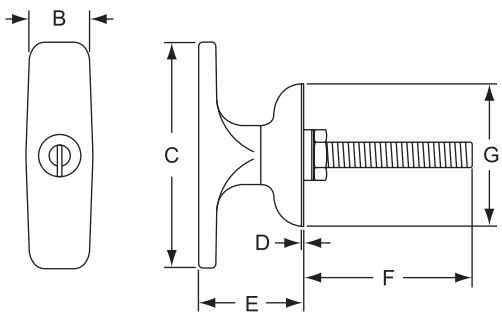
Furniture Handles

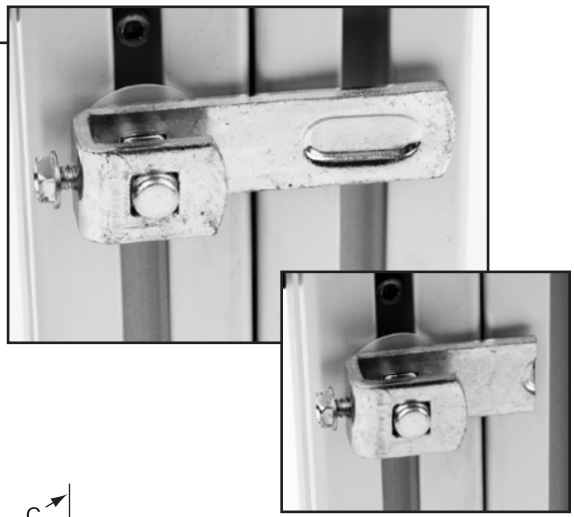
- **25 and 40 Series compatible**
- **Corrosion-resistant, chrome-plated, or matte black handles ideal for T-slot framed doors**
- **Handles allow for 90º of counter clockwise rotation to latch door**
- **Requires furniture door latch machining service found on page 1044**
- **Choose pawl kit that suits your needs**
- **Pawl kits located on page 868**



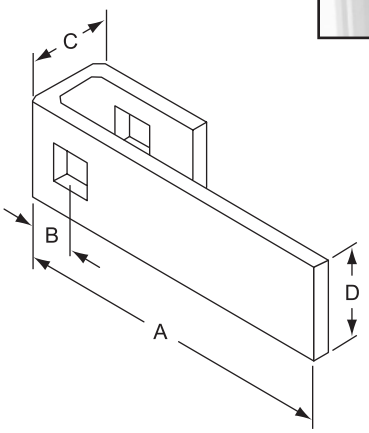


Part No.	Handle	Locking	Finish	Latching	A	B	C	D	E	F	G
65-2082	T	Yes	Chrome	Counter Clockwise	–	24.90	84.10	.76	38.90	63.50	54.10
65-2083	T	No	Chrome		–	24.90	84.10	.76	38.90	63.50	54.10
65-2087	L	Yes	Chrome		26.90	24.90	112.50	.76	38.90	63.50	54.10
65-2089	L	No	Chrome		26.90	24.90	112.50	.76	38.90	63.50	54.10
65-2952	T	Yes	Black		–	24.90	84.10	.76	38.90	63.50	54.10
65-2953	T	No	Black		–	24.90	84.10	.76	38.90	63.50	54.10
65-2957	L	Yes	Black		26.90	24.90	112.50	.76	38.90	63.50	54.10
65-2959	L	No	Black		26.90	24.90	112.50	.76	38.90	63.50	54.10

Furniture Handle Pawl Kits



- **25 Series Pawl Kits Include:**
  - (2) M4 x 22mm SHCS
  - (1) 1.00" Nylon Washer
- **40 Series & Standard Pawl Kits Include:**
  - (2) M4 x 30mm SHCS
  - (1) 1.00" Nylon Washer
- **Transition Pawl Kits Include:**
  - (2) M4 x 22mm SHCS
  - (2) M4 x 30mm SHCS
  - (1) 1.00" Nylon Washer
- **To order a complete handle set, select handle type (page 867) and desired pawl kit (list both on your order)**



Handle	Chrome				Black			
Counter Clockwise Latching	65-2082 T-Handle Locking	65-2083 T-Handle Non-Locking	65-2087 L-Handle Locking	65-2089 L-Handle Non-Locking	65-2952 T-Handle Locking	65-2953 T-Handle Non-Locking	65-2957 L-Handle Locking	65-2959 L-Handle Non-Locking
Clockwise Latching	65-2932 T-Handle Locking	65-2933 T-Handle Non-Locking	65-2937 L-Handle Locking	65-2939 L-Handle Non-Locking	65-2922 T-Handle Locking	65-2923 T-Handle Non-Locking	65-2927 L-Handle Locking	65-2929 L-Handle Non-Locking

Pawl Kit:

Part No.	Type	A	B	C	D
25-2761	25 Series	31.70	12.70	17.50	19.00
40-2765	40 Series	44.50	12.70	17.50	19.00
65-2763	Transition	38.10	12.70	17.50	19.00
40-2760	Standard	69.80	12.70	17.50	19.00

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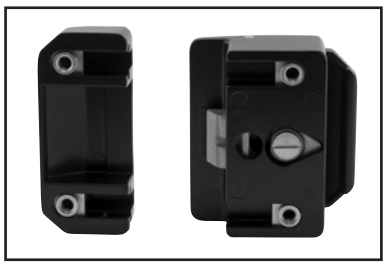
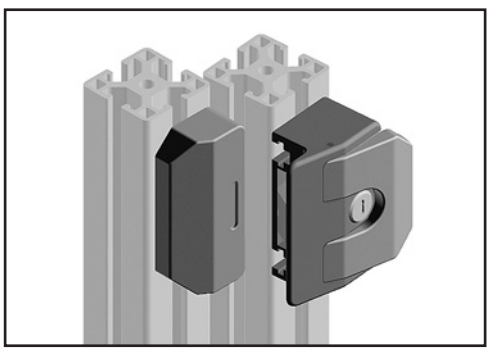
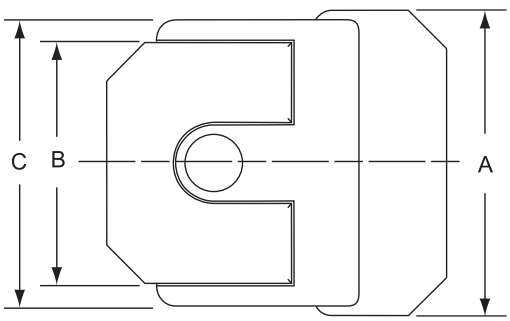
Slam Latch

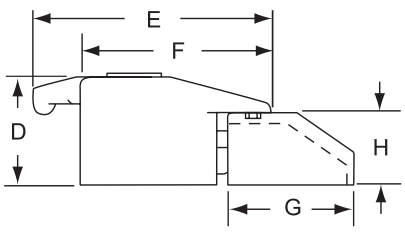
Die-Cast Zinc, Black Powder Coat

- **Low-profile slam latch mounts to T-slot door and frame from the back**
- **Four M6 T-nuts (supplied) placed in slots on back of latch**
- **Four thru holes required. See page 1050 for machining service information**
- **Call out machining service(s) and mounting bolts for the profile series you are using**









Recommended Mounting Hardware:

Part No.	Qty	Description
11-6316	4	M6 x 16mm BHSCS
11-6042	4	M6 Washer

Part No.	Lock	A	B	C	D	E	F	G	H	kg.	Compatibility Code*
12090	keyed alike	80.00	64.50	75.00	30.00	66.00	53.00	35.00	20.00	.562	8-15, 8-40, 10-45
12091	different key										
12092	without key										

* See Compatibility Code information on page 833.

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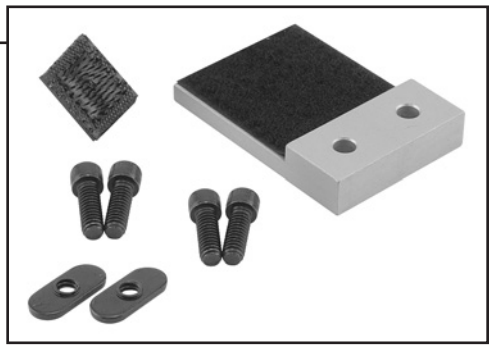
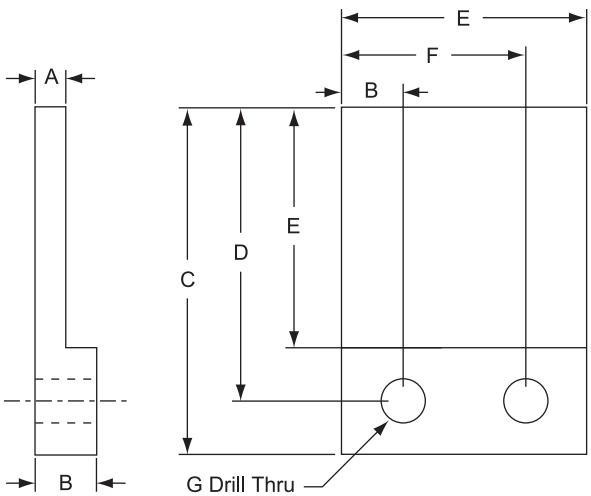
Velcro® Latch

- **25 and 40 Series compatible**
- **All mounting hardware included**
- **Velcro® fabric bonded to clear anodized aluminum body**
- **Plastic "hook" receptacle twists into T-slot**
- **Ideal for display, enclosure, and light-duty doors where easy access is required**





Part No.	A	B	C	D	E	F	G	kg.
65-2126	6.35	12.70	73.02	61.89	50.80	38.10	6.52	.100

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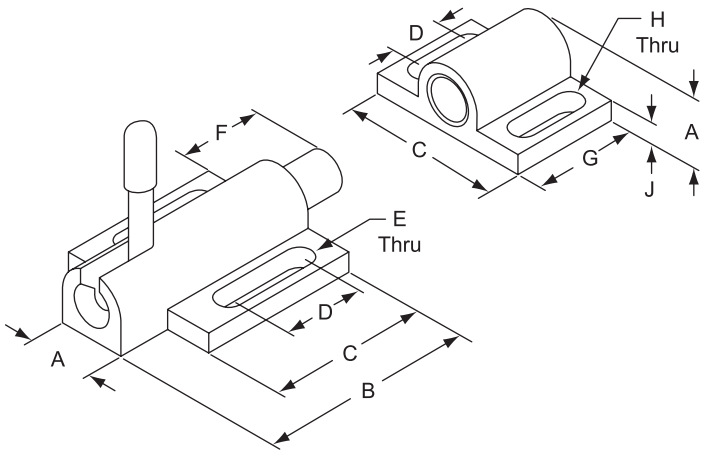
Deadbolt Latch

- 25, 40 and 45 Series compatible
- All mounting hardware included
- Clear anodized 6105-T5 aluminum body supports stainless steel bolt, spring, and ø9.80mm pin
- Positive, spring-loaded deadbolt ideal for guarding and enclosure applications
- Mount to T-slots of door and door frame



Part No.	Series	A	B	C	D	E	F (Bolt Travel)	G	H	J	kg.
65-2053	25, 40	15.90	51.00	38.00	12.90	6.30	14mm	25.00	6.30	4.60	.146
45-2053	45	15.90	51.00	38.00	25.40	6.30	14mm	38.00	6.30	4.60	.146

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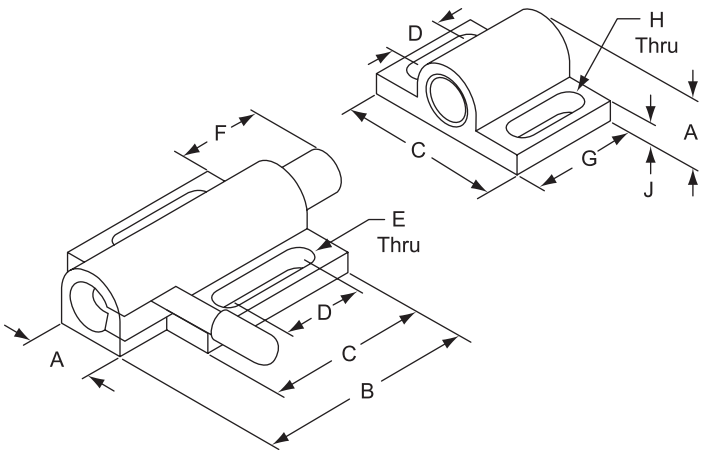
90° Deadbolt Latch

- **Positive, spring-loaded deadbolt ideal for guarding and enclosure applications**
- **Clear anodized 6105-T5 aluminum body supports stainless steel bolt, spring, and ø9.80mm pin**
- **All mounting hardware included**
- **Pin handle is positioned 90° to the side**



Part No.	Series	A	B	C	D	E	F (Bolt Travel)	G	H	J	kg.
65-2107	25, 40	15.90	51.00	38.00	12.90	6.30	14mm	25.00	6.30	4.60	.146
45-2107	45	15.90	51.00	38.00	25.40	6.30	14mm	38.00	6.30	4.60	.146

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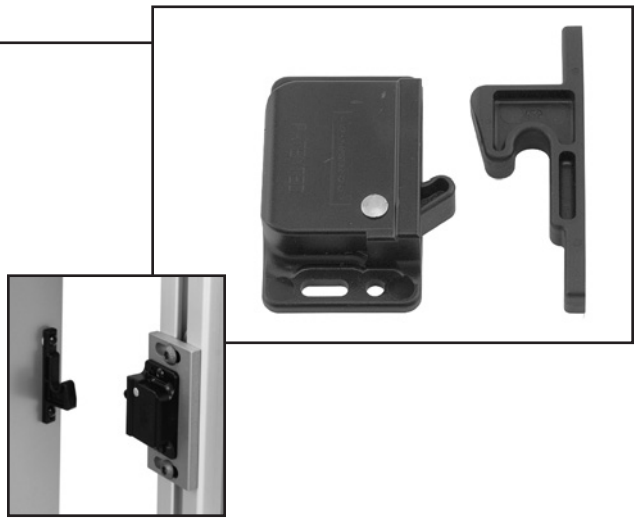
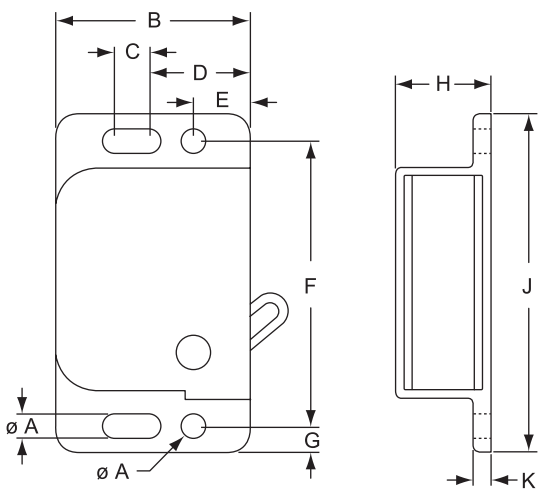
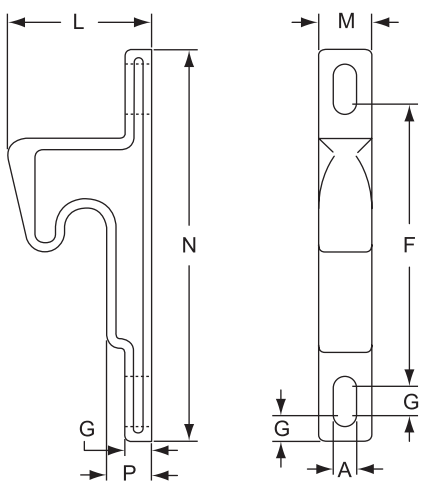
Grabber™ Door Catch

- **25 and 40 Series compatible**
- **Includes – (4) 6-32 BHSCS for mounting to plates found on page 874**
- **Corrosion-resistant black ABS catches available in three pull-up forces**
- **Spring-loaded over-center catch mounts in side enclosure; push to close and pull to open**
- **See page 1064 for panel machining service**





Catch



Keeper

Part No.	Pull Force	A	B	C	D	E	F	G	H	J	K	L	M	N	P	kg.
65-2069	1.4 kg.	3.30	28.19	5.08	14.48	8.13	40.64	3.81	13.72	48.26	2.54	20.50	7.62	55.88	6.35	.014
65-2088	2.3 kg.	3.30	28.19	5.08	14.48	8.13	40.64	3.81	13.72	48.26	2.54	20.50	7.62	55.88	6.35	.016
65-2125	4.6 kg.	3.30	28.19	5.08	14.48	8.13	40.64	3.81	13.72	48.26	2.54	20.50	7.62	55.88	6.35	.016

Grabber™ Door Catch is a registered trademark of Southco, Inc.

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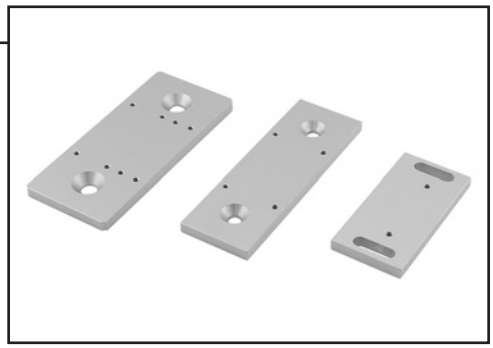
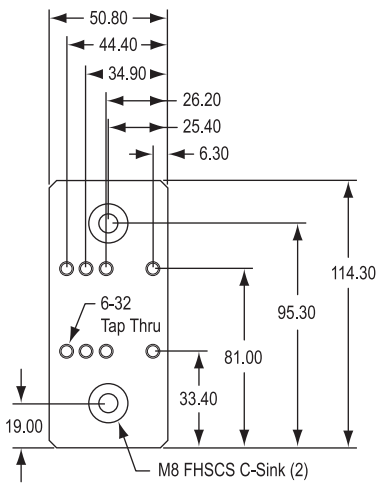
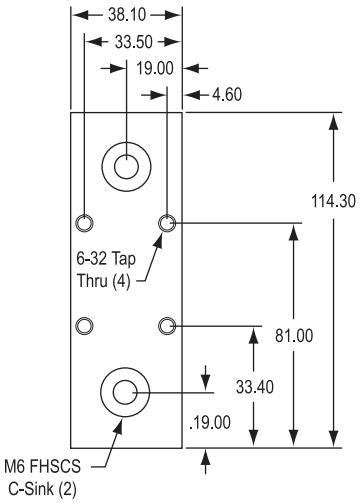
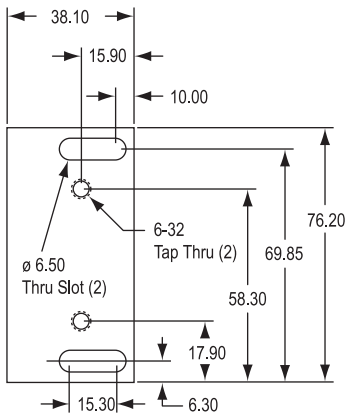
Grabber™ Door Catch Mounting Plate

- **25 and 40 series compatible**
- **Made of 6mm 6105-T5 clear anodized aluminum**
- **Securely mounts Grabber™ Door Catch onto T-slotted profiles**
- **Notching and drilling services required for mounting to plastic panels – see page 1064**









40-2121

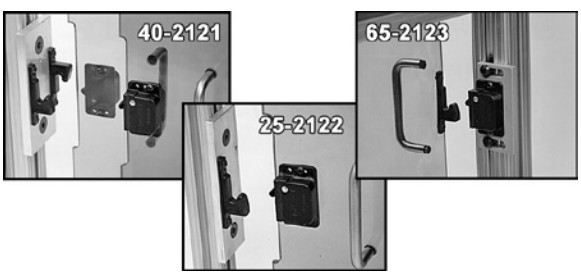
Aligns keeper with Door Track P/N 40-2210 and 40-2220 shown on page 768. Mounts to 40 Series T-slots.

25-2122

Aligns keeper with Door Track P/N 25-2211 and 25-2221 shown on page768. Mounts to 25 Series T-slots.

65-2123

Mounts catch to 25 or 40 Series T-slots. Provides adjustment for flush closure of hinged plastic panels up to 6mm thick.



Recommended Mounting Hardware:

	Mounting Plate Part No.			
Nut Type	40-2121	25-2122	65-2123	65-2123
Drop-In T-Nut	(2) 75-3506	(2) 75-3505	(2) 75-3437	(2) 75-3436
Econ T-Nut	(2) 75-3508	(2) 75-3507	(2) 75-3406	(2) 75-3405

Part No.	Series	Plate Type	kg.
40-2121	40	Keeper Mount Plate	.093
25-2122	25	Keeper Mount Plate	.069
65-2123	25 & 40	Catch Mount Plate	.044

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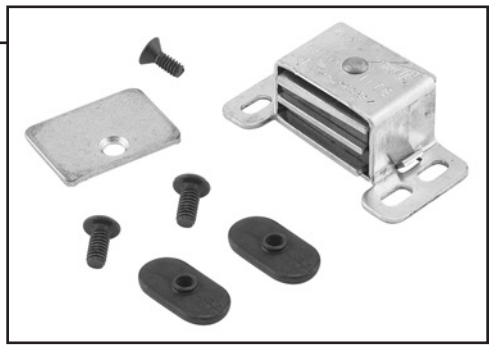
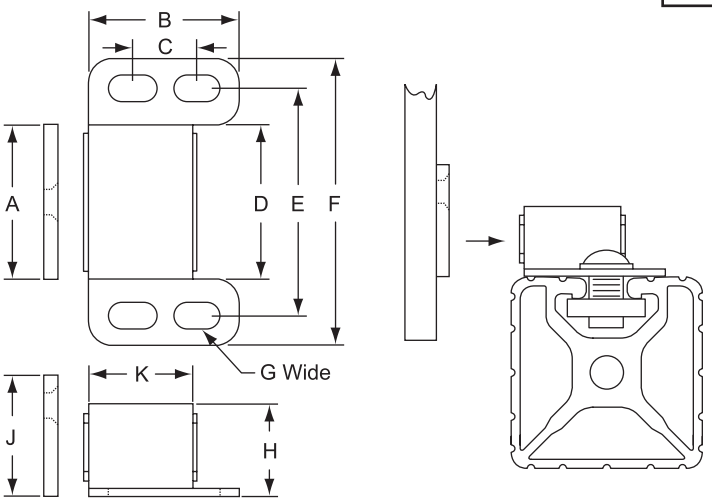
Magnetic Door Catch

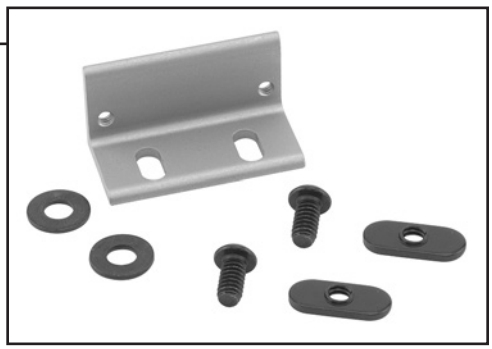


- 25 and 40 Series compatible
- All mounting hardware included
- Lightweight, ideal for latching plastic panels in place
- Tap required in panel for mounting striker plate; refer to page1073-1074 (misc. panel machining)



Part No.	A	B	C	D	E	F	G	H	J	K	kg.
65-2090	29.00	25.40	10.30	31.10	42.50	53.00	3.90	18.30	22.60	23.10	.054

Magnetic Door Catch Bracket



- 25 and 40 Series compatible
- All mounting hardware included
- Used for catching T-slot profile framed door

Part No.	Description	kg.
65-2745	Magnetic Door Catch Bracket	.041

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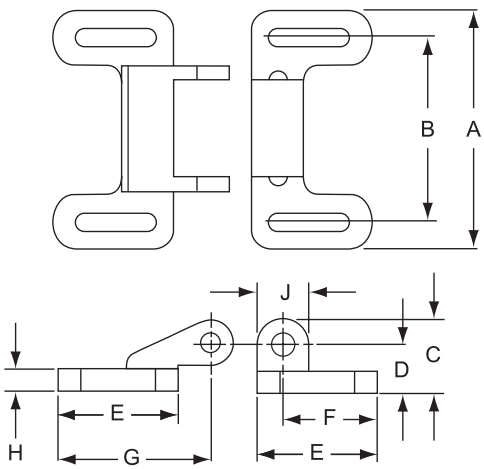
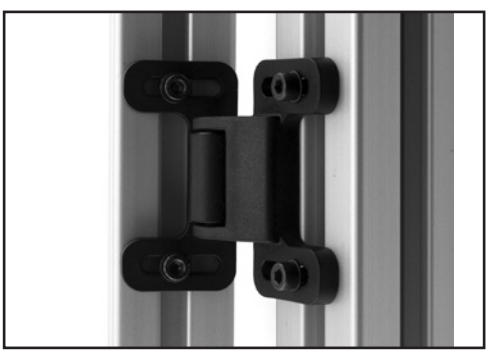
Double Ball Catch

Fiberglass-Reinforced Nylon, Black

- **Stainless steel ball**
- **Locking force: 25 N (5.62 lb)**





Recommended Mounting Hardware Per Leaf (Hinge to T-Slot):

Part No.	Series	Qty	Description
75-3483	15, 40	2	M5 x 16mm SHCS, Washer & Drop-In T-nut
75-3481	45	2	M5 x 20mm SHCS, Washer & Drop-In T-nut

Part No.	A	B	C	D	E	F	G	H	J	kg.	Compatibility Code*
12019	74.00	57.00	23.00	15.00	37.00	29.00	47.00	7.00	16.00	.038	8-15, 8-40, 10-45

* See Compatibility Code information on page 833.

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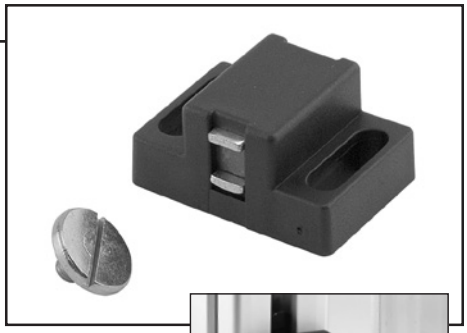
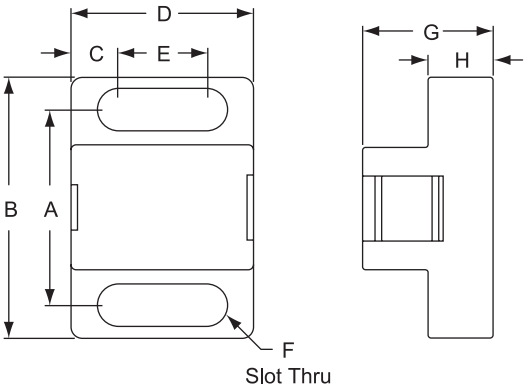
Nylon Magnetic Catch

- **25 and 40 Series compatible**
- **Made of molded black fiberglass-reinforced nylon**
- **Quick latching method for lightweight plastic panel doors**





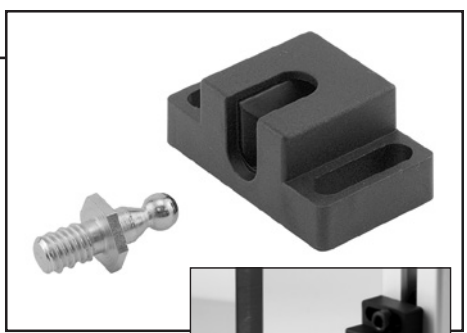
Recommended Mounting Hardware (Mount to T-Slot):

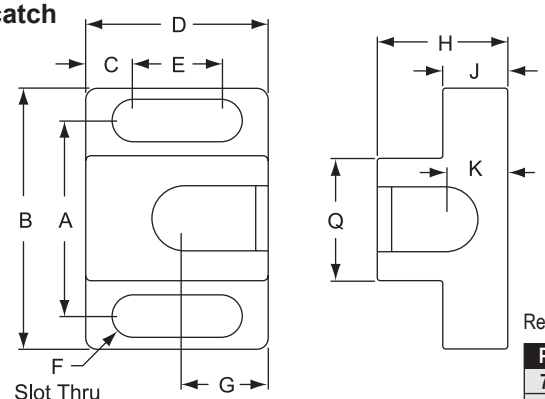
Part No.	Series	Qty	Description
75-3522	25	2	M6 x 16mm SHCS & Econ T-nut
75-3596	40	2	M6 x 18mm SHCS & Drop-In T-nut

Part No.	A	B	C	D	E	F	G	H	J	K	L	kg.
65-4486	30.00	40.00	7.25	28.00	13.50	6.50	20.00	10.00	M5 Thread	2.36	6.35	.0317

Nylon Ball Catch

- **25 and 40 Series compatible**
- **Body of latch is made of molded black fiberglass reinforced nylon**
- **Quick latching method for lightweight plastic panel doors**
- **Zinc-plated steel ball can latch into top or front of catch**





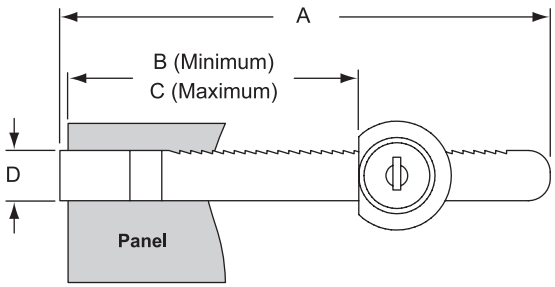
Recommended Mounting Hardware (Mount to T-Slot):

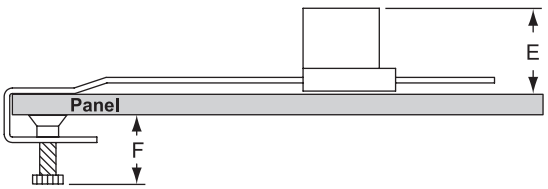
Part No.	Series	Qty	Description
75-3522	25	2	M6 x 16mm SHCS & Econ T-nut
75-3596	40	2	M6 x 18mm SHCS & Drop-In T-nut

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	kg.
65-4487	37.00	48.00	6.00	28.00	16.00	6.50	13.20	20.00	10.00	9.00	M8 Thread	16.30	2.23	12.00	26.00	.0408

Sliding Door Lock

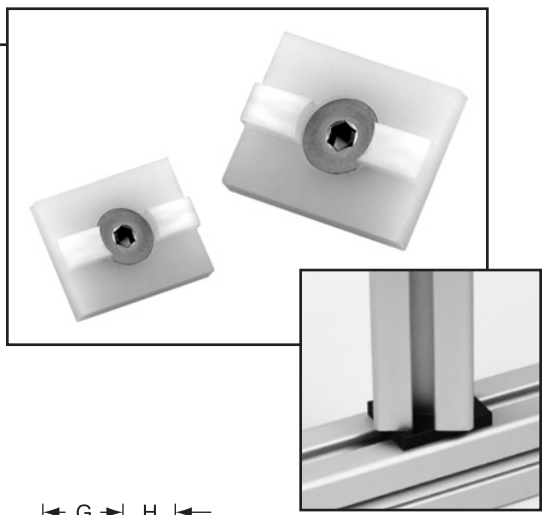
- Locks 6mm thick sliding panels when used with sliding door track shown on page 884
- Economical security lock ideal for storage or display cases
- Attractive chrome finish



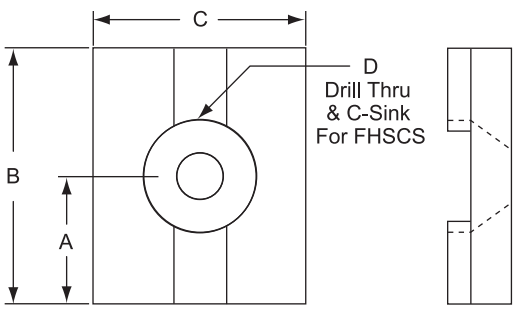


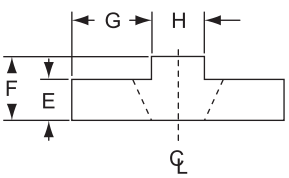
Part No.	A	B	C	D	E	F	kg.
65-2057	142.87	28.57	112.69	14.73	24.89	20.32	.091

Sliding Door Glide



- Build 25 or 40 Series sliding or bi-fold doors
- Fastens to profile end with stainless steel mounting screw provided
- Made from UHMW polyethylene, glide rotates freely as door pivots
- See pages 1005-1007 for UHMW material specifications
- See page 1030 for tapping services





Part No.	A	B	C	D	E	F	G	H	kg.
25-2067	12.70	25.40	20.62	M6	6.09	9.50	7.14	6.36	.003
40-2068	19.05	38.10	31.75	M8	6.09	9.50	11.94	7.86	.007

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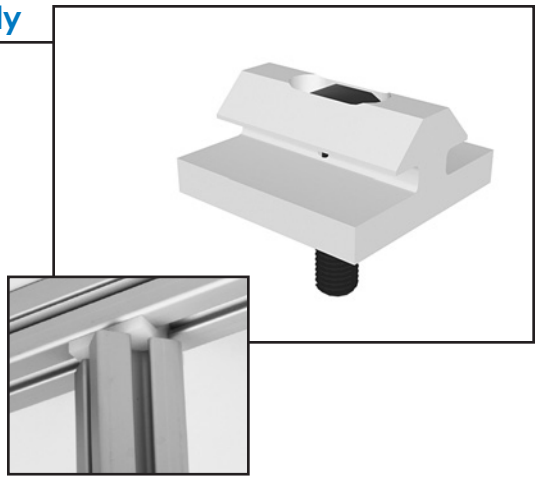
Top Mount Bi-Fold Door Hanger Assembly

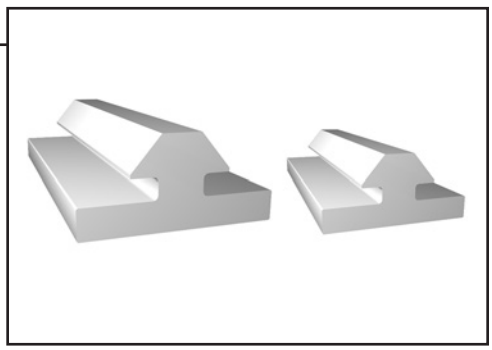
- 25 and 40 Series compatible
- Mounting screw supplied
- Made of UHMW polyethylene, profile shown below
- Create custom sliding or bi-fold door applications without use of bottom rail
- Bolts onto profile end and freely rotates as door pivots
- See page 1030 for tapping services

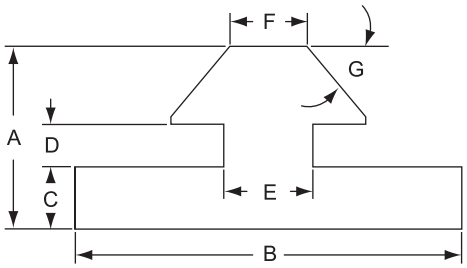


Part No.	Description	Length	Thread Size	kg.
25-2059	25 Series Bi-Fold Door Hanger	25.40	1/4-20 x .410	.020
40-2051	40 Series Bi-Fold Door Hanger	40.00	5/16-18 x .780	.027

Top Mount Bi-Fold Door Hanger Profile

- 25 and 40 Series compatible
- Create custom sliding or bi-fold door applications without use of bottom rail
- Made of UHMW polyethylene – see pages 1005-1007 for UHMW material specifications
- Stock length: 3.68m – Cut to length with machining Part No. 65-7212





Part No.	A	B	C	D	E	F	G	kg. / m
25-6710	11.90	25.40	4.00	2.80	5.80	5.10	50°	.154
40-6808	17.80	38.10	6.10	4.60	7.60	6.90	45°	.332

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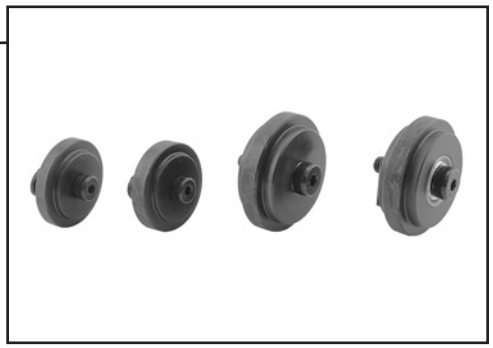
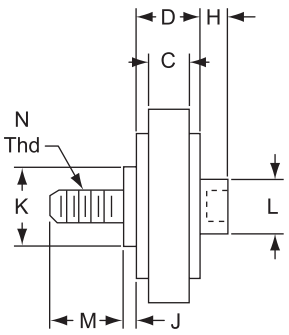
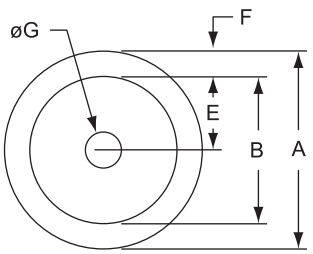
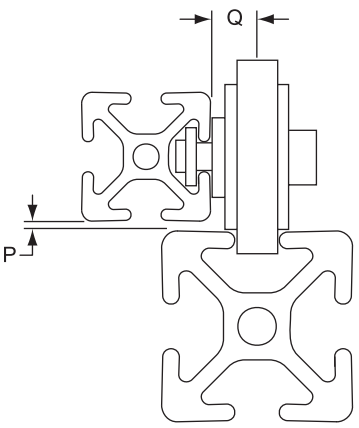
Roller Wheels

- **25 and 40 Series compatible**
- **All mounting hardware included**
- **Made of self-lubricating black nylon**
  Part No. 40-2280 has ball bearing hub
- **Mounts to profile end or T-slot – ideal for guided linear motion**









25-2281

65-2282

40-2290

40-2280

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	kg.
25-2281	37.50	28.00	6.10	11.60	14.00	4.75	8.00	5.50	3.20	15.90	13.20	6.80	M6 x 1.0	1.60	9.20	.032
65-2282	37.50	28.00	7.90	11.60	14.00	4.75	8.00	5.50	3.20	15.90	13.20	6.80	M6 x 1.0	1.60	9.20	.034
40-2280	54.00	43.00	7.90	19.50	21.50	5.50	10.00	7.00	3.20	19.00	16.20	10.60	M8 x 1.25	1.60	13.00	.084
40-2290	54.00	43.00	7.90	19.50	21.50	5.50	10.00	7.00	3.20	19.00	16.20	10.60	M8 x 1.25	1.60	13.00	.075

Part No.	Bearing Type	Rolls In	Mounts To
25-2281	Permanent Lubricated Bronze Bushing	25 Series	25 Series
65-2282	Permanent Lubricated Bronze Bushing	25 Series	40 Series
40-2280	Dual Roller Bearing	40 Series	40 Series
40-2290	Permanent Lubricated Bronze Bushing	40 Series	40 Series

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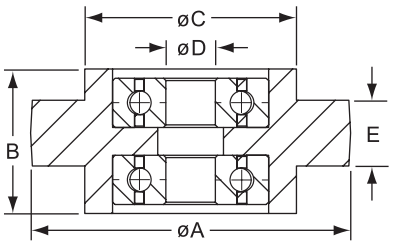
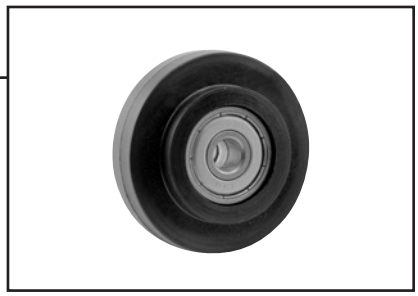
* See Compatibility Code information on page 833.

Roller Wheels with Ball Bearing Hub

Fiberglass-Reinforced Nylon, Black

- **Move frames, panels and other components by rolling in the profile T-slot**



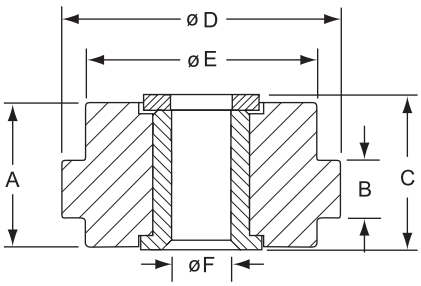


Part No.	A	B	C	D	E (Slot Tab)	kg.	Compatibility Code*
12017	39.00	17.60	25.80	6.00	8.00	.0300	8-15, 8-40
12018					10.00	.0323	
12020	47.00	19.60	33.60	8.00	8.00	.0483	
12021					10.00	.0500	

Roller Wheel with Steel Hub

Fiberglass-Reinforced Nylon, Black

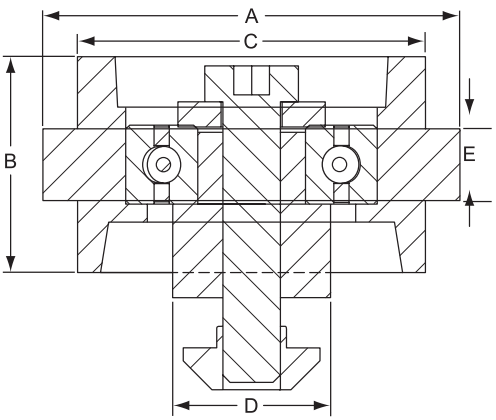
- **Move frames, panels and other components by rolling in the profile T-slot**

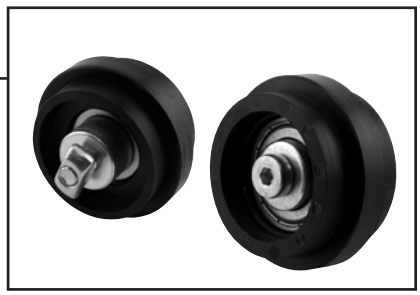


Part No.	A	B (Slot Tab)	C	D	E	F	kg.	Compatibility Code*
12024	15.00	6.00	16.10	29.00	24.00	6.20	.0085	6-10, 6-25

Roller Wheel

Fiberglass-Reinforced Nylon, Black

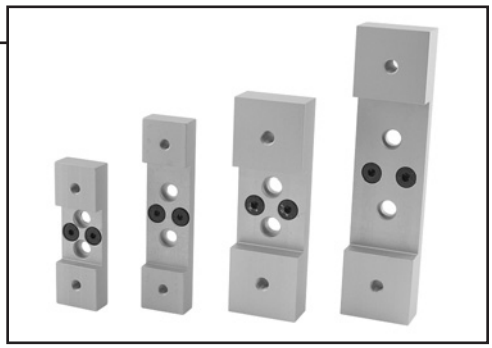




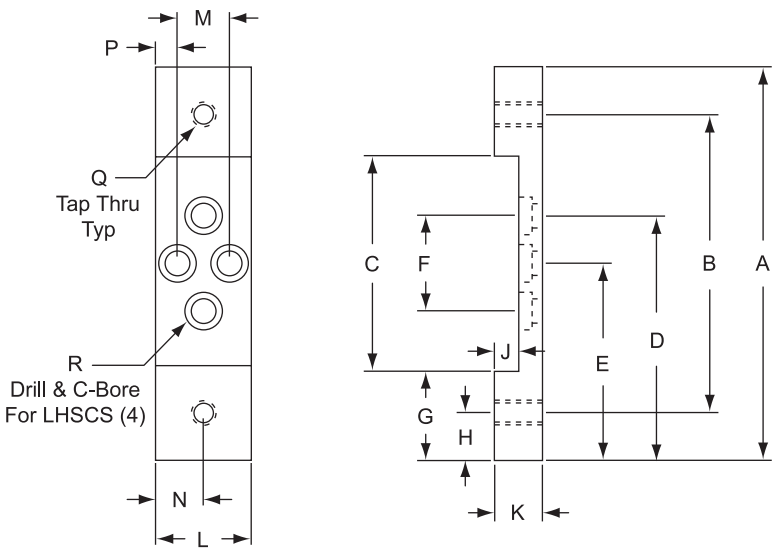
- **Hardware for mounting to T-slot included: M8 SHCS and drop in T-nut**

Part No.	Description	A	B	C	D	E	kg.	Compatibility Code*
12022	Roller Wheel	58.00	30.00	48.40	21.80	9.90	.1545	10-45

Roller Wheel Brackets



- 25 and 40 Series compatible
- Hardware for mounting bracket to T-slot profile included
- Made of clear anodized aluminum
- Mounts to T-slot profile – ideal for moving framed doors and other components
- See pages 880-881 for nylon roller wheels
- See page 883 for roller wheel bracket assemblies



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	kg.
25-2750	78.00	53.00	31.10	47.50	39.00	17.00	23.45	12.50	6.40	12.70	25.40	13.81	12.70	5.79	M6 x 1.00	M6	.054
25-2752	103.00	78.00	56.10	64.20	51.50	25.40	23.45	12.50	6.40	12.70	25.40	13.81	12.70	5.79	M6 x 1.00	M6	.063
40-2754	123.30	83.30	46.70	73.65	61.65	24.00	38.30	20.00	10.20	19.00	40.00	20.00	20.00	10.00	M8 x 1.25	M8	.200
40-2757	163.30	123.30	86.70	81.65	81.65	40.00	38.30	20.00	10.20	19.00	40.00	20.00	20.00	10.00	M8 x 1.25	M8	.238

Note: Be sure to use the included washer with the roller wheels for proper spacing.

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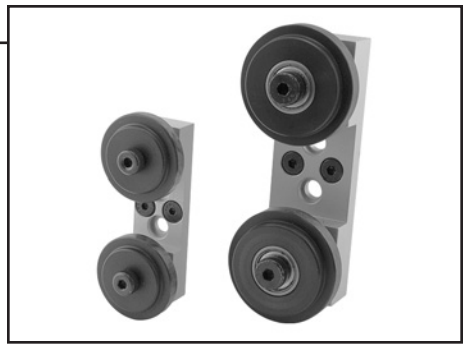
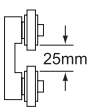
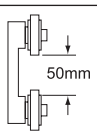
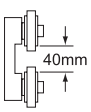
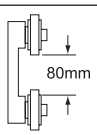
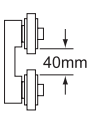
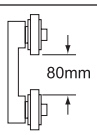
Roller Wheel Bracket Assemblies



- 25 and 40 Series compatible
- All mounting hardware included for both roller wheel and mounting bracket –
  25 Series – (2) M6 x 10mm LHSCS
  (2) Part No. 25-1964, M6 Standard T-Nut
  40 Series – (2) M8 x 16mm LHSCS
  (2) Part No. 40-1984, M8 Standard T-Nut
- Mounts to T-slot profile – ideal for moving framed doors and other components

Assembly Part Numbers	Individual Part No.							
	25-2750	25-2752	40-2754	40-2757	25-2281	65-2282	40-2280	40-2290
25-2751 .118 kg. 	1				2			
25-2753 .127 kg. 		1			2			
40-2755 .376 kg. 			1				2	
40-2758 .414 kg. 				1			2	
40-2756 .352 kg. 			1					2
40-2759 .390 kg. 				1				2

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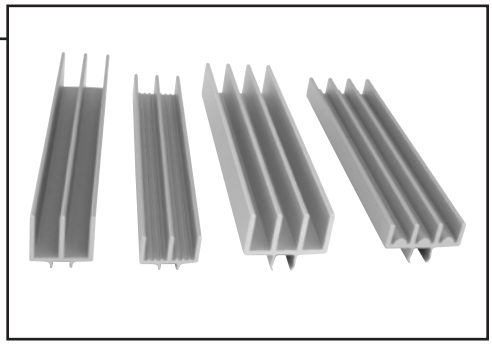
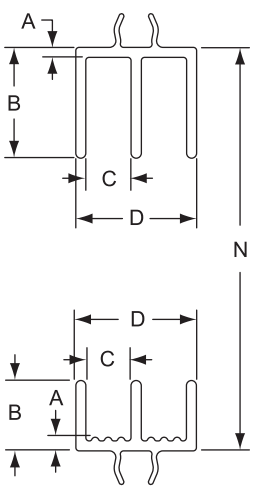
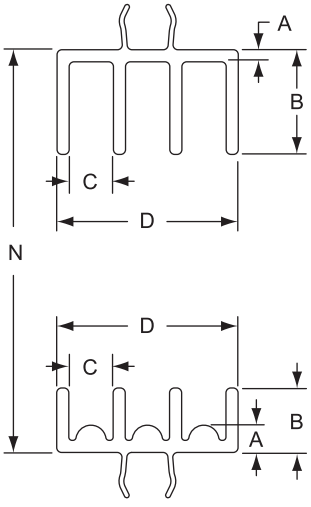
Door Slide Track



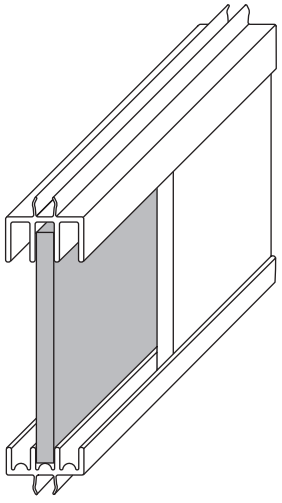
- **25 and 40 Series compatible**
- **Stock length: 3.68m – cut to length with machining service No. 65-7212**
- **Made of 6105-T5 clear anodized aluminum**
- **Snaps into T-slot – no hardware required**
- **Deeper slots in upper track allow panels to be inserted after frame is assembled**
- **Radius bearing surface in lower track allows for easier sliding**



25 Series



40 Series

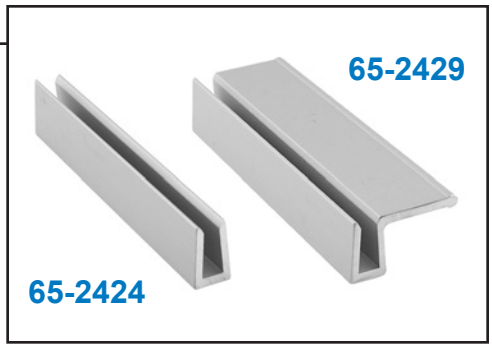


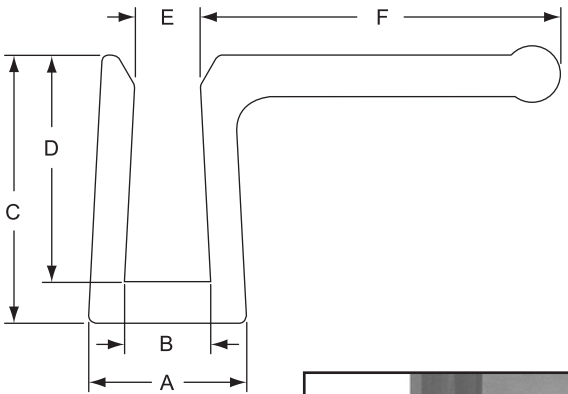
Part No.	Track Type	Stock Length	A	B	C	D	kg. / m
25-2211	Upper	3.68m	1.57	17.48	7.14	19.05	.310
25-2221	Lower	3.68m	2.16	11.13	7.14	19.05	.232
40-2210	Upper	3.68m	1.52	16.51	6.99	28.58	.402
40-2220	Lower	3.68m	3.91	10.16	6.99	28.58	.372

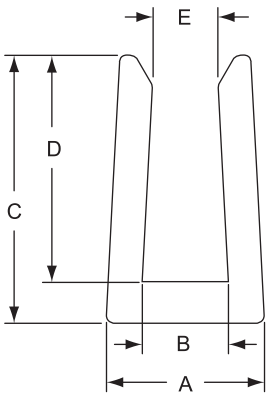
Note: To calculate the panel height, subtract 12.7mm from dimension “N” shown in the drawing.

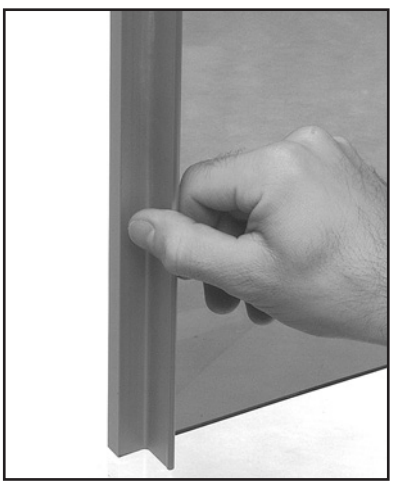
Panel Stiffeners

- Add rigidity to any 6mm thick plastic panel
- Made of 6105-T5 clear anodized aluminum
- Stock length: 1841mm – for other lengths, see panel stiffener profiles on page 708
- Use soft face mallet to apply to panel edge – see page 1024









Part No.	Handle	A	B	C	D	E	F	kg. / m
65-2429	Yes	10.67	6.10	18.03	15.24	4.60	24.31	2.545
65-2424	No	10.67	6.10	18.03	15.24	4.60	–	2.187

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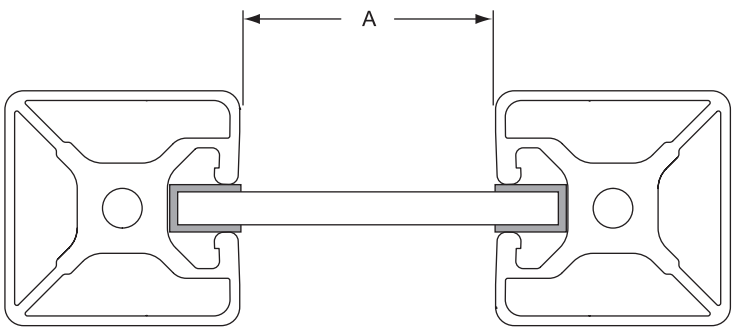
Panel Gasket – 40 Series

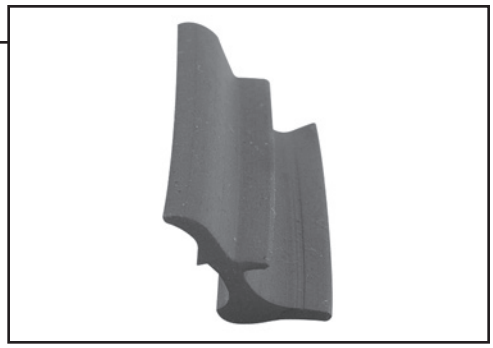
- **40 Series compatible**
- **Made of black high-density polyethylene (HDPE)**
- **Stock length: 1841mm**
- **Inserts into the T-slot from top or end to securely hold 6mm plastic panels**
- **Panel machining Part No. 7500 or 7501, an edge radius, makes assembly easier – see page 1061**



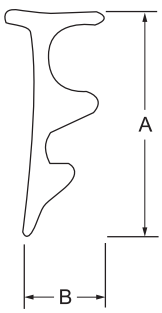
Part No.	Description	kg.
40-2120	Black 40 Series Panel Gasket	.045

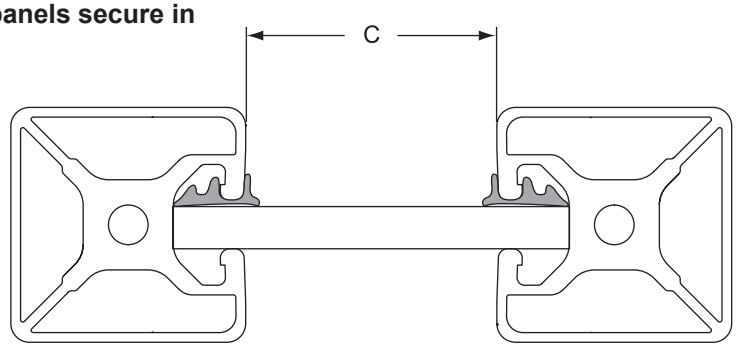
Note: To calculate the panel width, add 20mm to the “A” dimension shown in the drawing.

Rubber Panel Gasket



- **20, 25, 30, 40 and 45 Series compatible**
- **Black thermoplastic elastomer**
- **Black rubber panel gasket can be ordered by the meter or in 47.50m rolls**
- **Holds plastic panels tight in the T-slot, easily inserted on one side after panel is placed in frame**
- **Holds 4.5mm thick panels secure in 25 Series profiles and holds 6mm thick panels secure in 30, 40 and 45 Series profiles**





Note: To calculate panel width, add to dimension "**C**":

Add to "C"	10mm	14mm	15mm	22mm	24mm
Series	20	25	30	40	45

Part No.	Slot	A	B	Description	Panel Thickness (mm)	kg./m	Compatibility Code*
14157	5	7.60	6.20	20 Series Rubber Panel Gasket (Per Meter)	3	.016	5-20
25-2116	6	10.00	4.50	25 Series Rubber Panel Gasket (Per Meter)	3	.022	6-25
25-2118	6	10.00	4.50	25 Series Rubber Panel Gasket (Per 45.7 Roll)	3	.022	6-25
40-2115	8	14.60	6.10	40 Series Rubber Panel Gasket (Per Meter)	6	.037	8-30, 8-40
40-2117	8	14.60	6.10	40 Series Rubber Panel Gasket (Per 45.7 Roll)	6	.037	8-30, 8-40
14160	10	19.40	10.20	45 Series Rubber Panel Gasket (Per Meter)	3-6	.064	10-45

* See Compatibility Code information on page 833.

www.8020.net/gasket.asp

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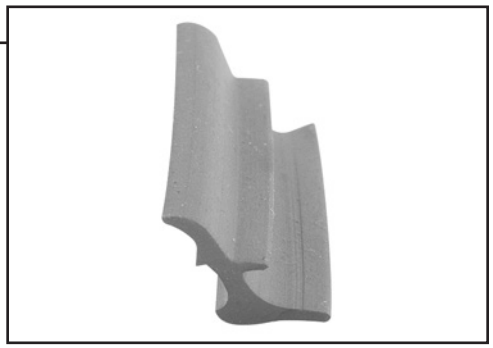
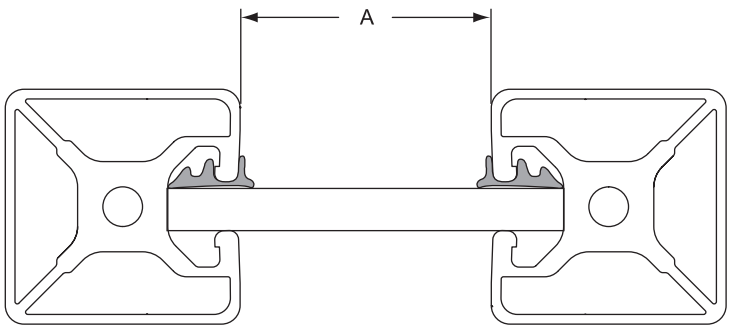
Silicone Rubber Panel Gasket



- **25 and 40 Series compatible**
- **Made of gray silicone rubber for improved chemical and heat resistance**
- **Gray silicone panel gasket sold by the meter**
- **Holds plastic panels tight in the T-slot, easily inserted on one side after panel is placed in frame**
- **Holds 4.5mm thick panels secure in 25 Series profiles and holds 6mm thick panels secure in 40 Series profiles**



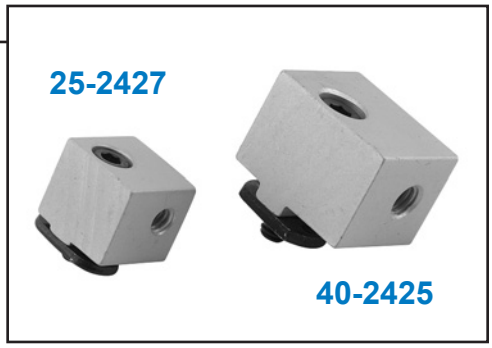
Part No.	Description	kg./m
25-2177	25 Series Silicone Rubber Panel Gasket (Per meter)	.027
40-2178	40 Series Silicone Rubber Panel Gasket (Per meter)	.042

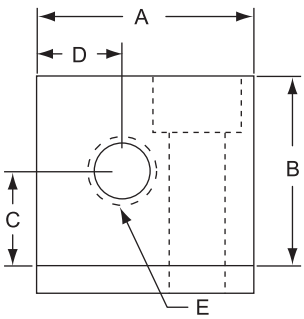
Note: To calculate the panel width, add 14mm to dimension “A” for 25 Series.

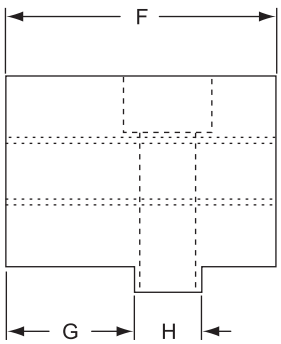
To calculate the panel width, add 22mm to dimension “A” for 40 Series.

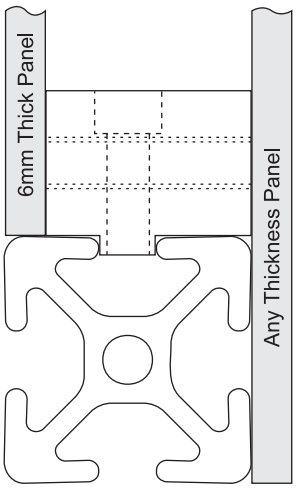
Panel Mount Block

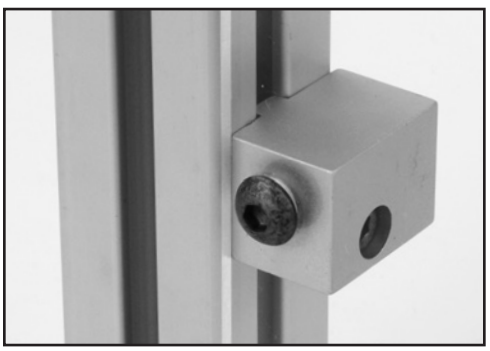
- **25 and 40 Series compatible**
- **Mounting hardware to profile included**
- **Made of 6105-T5 clear anodized aluminum**
- **Firmly mount plastic panels flush or offset**
- **Simplify adding or removal of plastic panels**
- **See page 1070 for panel mount block drilling services**











Recommended Mounting Hardware (Mount Block to Panel):

Part No.	Series	Qty	Description
13-6316	25	1	M6 x 16mm BHSCS
13-8316	40	1	M8 x 16mm BHSCS

Part No.	A	B	C	D	E	F	G	H	kg.
25-2427	19.00	19.00	10.00	6.50	M6 x 1.0 Tap Thru	20.30	9.30	6.30	.023
40-2425	26.00	23.30	11.68	10.00	M8 x 1.25 Tap Thru	34.30	16.20	7.88	.054

Note: 25-2427 - mounts 4.5mm panels flush with 25 Series profiles.
40-2425 - mounts 6mm panels flush with 40 Series profiles.

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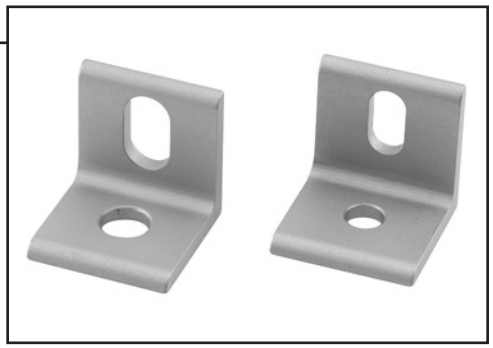
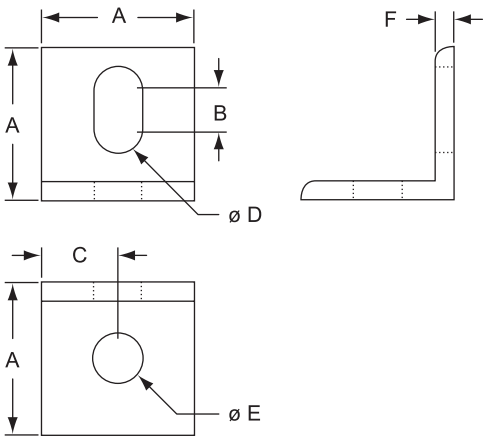
Panel Mount Bracket

- **25 and 40 Series compatible**
- **Made of high strength 6105-T5 clear anodized aluminum**
- **Slotted hole makes panel alignment easy**
- **Economical panel mounting method**
- **Mounts 6mm panels flush with Part No. 40-2430**



Note: 25 Series does NOT mount standard panels flush



Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Series	Qty	Description
75-3404	25	1	M6 x 10mm BHSCS & Economy T-Nut
75-3421	40	1	M8 x 12mm BHSCS & Economy T-Nut

Recommended Mounting Hardware (Mount to 6mm Panel):

Part No.	Series	Qty	Description
75-3467	25	1	M6 x 16mm BHSCS & Hex Nut w/ Washer
75-3471	40	1	M8 x 16mm BHSCS & Hex Nut w/ Washer

Part No.	A	B	C	D	E	F	kg.
25-2428	25.00	6.50	12.50	6.30	6.30	3.00	.009
40-2430	25.00	6.50	12.50	8.30	8.30	3.00	.009

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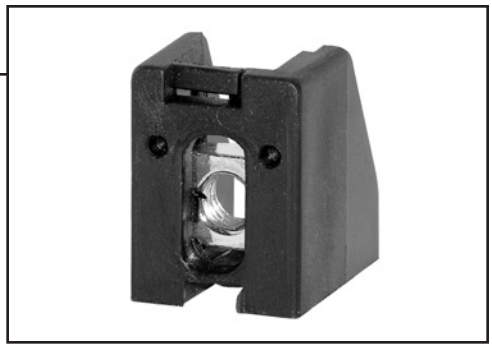
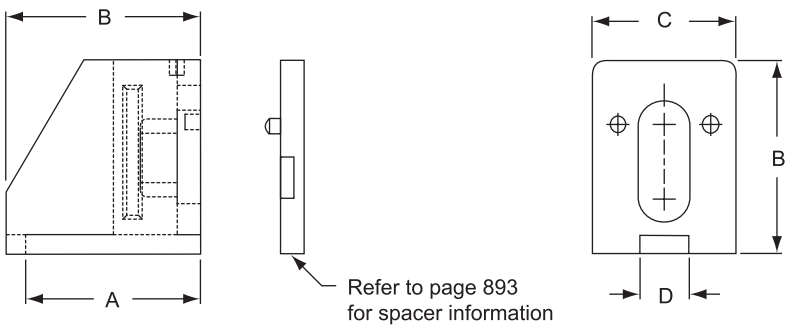
Plastic Panel Mount Block with Square Nut

Fiberglass-Reinforced Nylon, Black

- **30, 40 and 45 Series compatible**
- **Square nut travels in a slot with 9.3mm of adjustment**





Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Series	Qty	Description
75-3599	30	1	M6 x 10mm BHSCS & Drop-In T-Nut
75-3600	40	1	M6 x 12mm BHSCS & Drop-In T-nut
75-3602	45	1	M6 x 14mm BHSCS & Drop-In T-nut

Part No.	A	B	C	D	Nut Thread	kg.	Compatibility Code*
12050	22.50	25.00	18.50	6.30	M6	.009	8-15, 8-30
14192					1/4-20		8-40, 10-45

* See Compatibility Code information on page 833.

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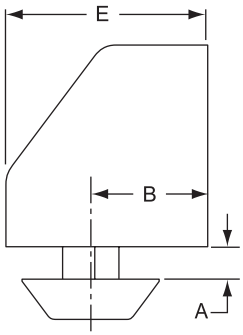
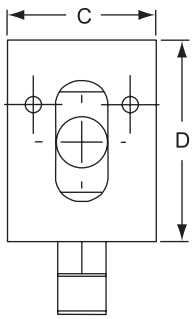
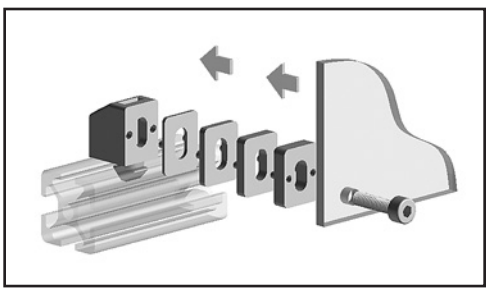
Panel Mount Block, 1/4 Turn with Square Nut

Fiberglass-Reinforced Nylon, Black

- **20, 30, 40 and 45 Series compatible**
- **Adjustable, zinc-plated steel square nut**
- **See spacers on page 893**







Part No.	A	B	C	D	E	Nut Thread	kg.	Compatibility Code*
14148**	1.55	4.50	12.60	15.70	14.10	M4	.0026	5-20
14138	2.20	7.00	18.50	25.00	18.50	M6	.0090	8-30
14185	2.20	7.00				1/4-20	.0090	8-30
14139	4.00	8.00				M6	.0100	8-15, 8-40
14186	4.00	8.00				1/4-20	.0100	8-15, 8-40
14142	4.00	12.00				M6	.0100	8-15, 8-40
14143	4.00	14.00				M6	.0100	8-15, 8-40
14167	4.00	12.00				1/4-20	.0100	8-15, 8-40
14191	4.00	14.00				1/4-20	.0100	8-15, 8-40
14140	5.80	9.50				M6	.0110	10-45
14188	5.80	9.50				1/4-20	.0110	10-45
14189	5.80	14.00				M6	.0110	10-45
14190	5.80	14.00				1/4-20	.0110	10-45

* See Compatibility Code information on page 833.
** Not compatible with spacers.

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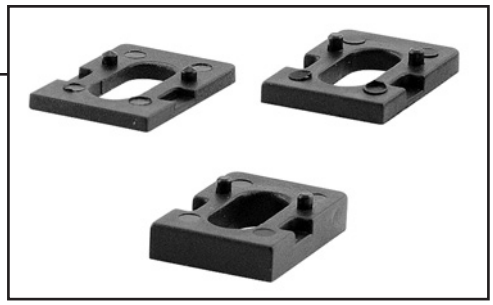
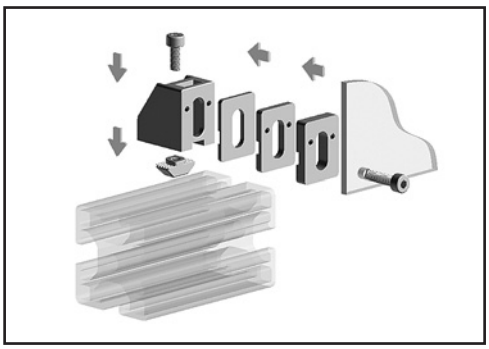
Spacer for Panel Mount Block

Fiberglass-Reinforced Nylon, Black

- **Sold individually**
- **Compatible with the plastic panel mount blocks shown in this section**
- **Three thicknesses available**





Part No.	Spacer Thickness (mm)	kg.	Compatibility Code*
12051	2	.001	Works with panel mount blocks shown on pages 891-892
12053	3	.001	
12055	5	.002	

* See Compatibility Code information on page 833.

80/20's Panel Shop Will Cut and Machine Your Panels to Meet Your Needs

- Quick turnaround time with our full-service panel shop
- Choice of 85+ panels in stock, or we'll order what you need
- No minimums – we'll cut panels to size
- Save on shipping cost – NO drops to store

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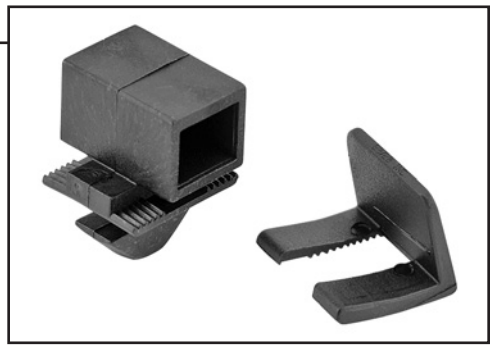
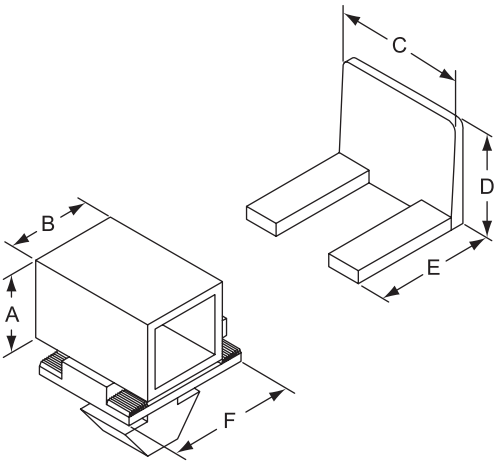
Quick Change Panel Clamp

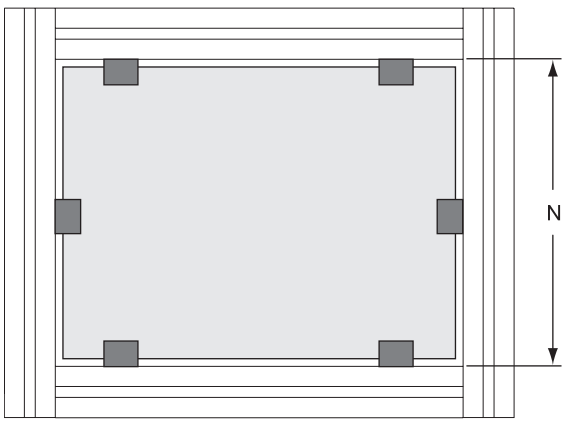
- **40 Series compatible**
- **Mounts panels up to 6mm thick with no machining or mounting hardware**
- **Made of high-strength black nylon**
- **1/4 turn locks block in T-slot**
- **Easily remove panel clip with flat tip screwdriver**





40-2423
Clip

40-2422
Block



Part No.	Description	A	B	C	D	E	F	kg.
40-2421	Complete Set (Block & Clip)	19.70	16.30	24.90	19.90	22.10	23.30	.008
40-2422	Block	19.70	16.30	–	–	–	23.30	.006
40-2423	Panel Clip	–	–	24.90	19.90	22.10	–	.002

Note: To calculate the panel height, subtract 11.5mm from dimension “N” shown in the drawing.

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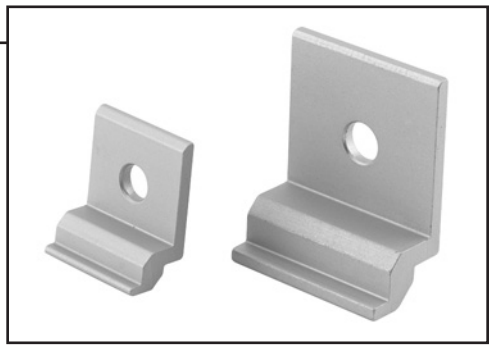
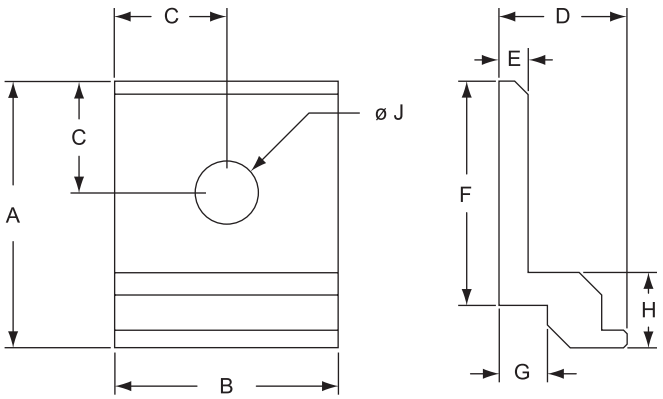
Drop-In Panel Bracket



- 25 and 40 Series compatible
- No fasteners or machining required for mounting to T-slot
- Made of 6105-T5 clear anodized aluminum
- Bracket can be loaded from face of T-slot
- Mounts panel flush with outside of 25 or 40 Series profiles
- For ease of assembly, consider tapping the panel to use the recommended hardware. See page 1074.



Recommended Mounting Hardware (Mount Block to Panel):

Part No.	Series	Qty	Description
13-6316	25	1	M6 x 16mm BHSCS
13-8316	40	1	M8 x 16mm BHSCS

Part No.	A	B	C	D	E	F	G	H	J	kg.
25-2489	30.20	25.40	12.70	14.50	3.30	25.40	5.50	8.50	7.10	.021
40-2488	46.00	38.10	19.00	19.80	3.30	38.10	7.80	12.70	8.30	.058

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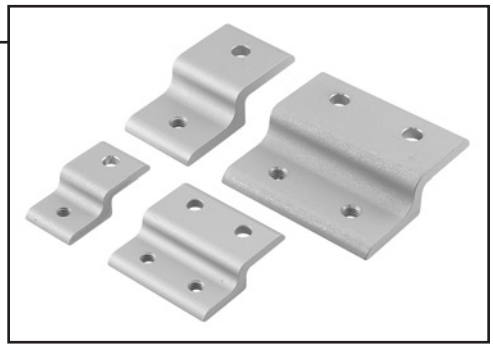
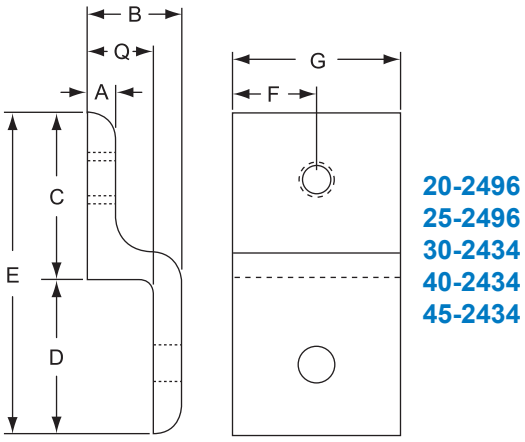
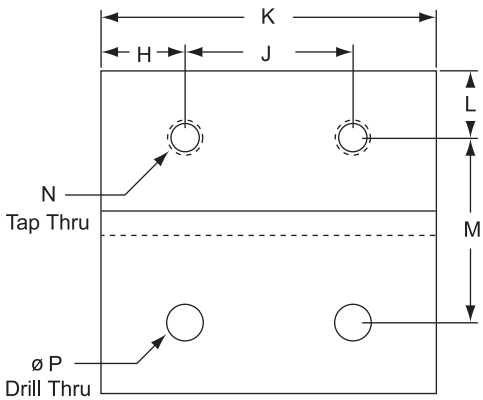
Single Panel Retainers

- **20, 25, 30, 40 and 45 Series compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Strongest method for mounting panels**
- **Simplifies panel installation and removal**
- **Requires drill thru hole in panel that lines up with retainer's tapped hole(s); see page 1071**





20-2496
25-2496
30-2434
40-2434
45-2434



20-2497
25-2497
30-2433
40-2433
45-2433

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	kg.
20-2496	3.00	10.20	20.00	19.00	39.00	10.00	20.00	–	–	–	8.51	22.00	M5	5.50	7.20	.007
20-2497	3.00	10.20	20.00	19.00	39.00	–	–	10.00	20.00	40.00	8.51	22.00	M5	5.60	7.20	.013
25-2496	4.00	13.30	25.00	23.50	48.50	12.50	25.00	–	–	–	9.80	27.90	M6 x 1.0	6.30	9.30	.018
25-2497	4.00	13.30	25.00	23.50	48.50	–	–	12.50	25.00	50.00	9.80	27.90	M6 x 1.0	6.30	9.30	.036
30-2434	4.00	14.60	30.00	28.00	58.00	15.00	30.00	–	–	–	13.00	32.50	M8	8.30	10.60	.020
30-2433	4.00	14.60	30.00	28.00	58.00	–	–	15.00	30.00	60.00	13.00	32.50	M8	8.30	10.60	.039
40-2434	6.00	22.00	40.00	37.00	77.00	20.00	40.00	–	–	–	15.80	44.40	M8 x 1.25	8.30	16.00	.054
40-2433	6.00	22.00	40.00	37.00	77.00	–	–	20.00	40.00	80.00	15.80	44.40	M8 x 1.25	8.30	16.00	.109
45-2434	6.00	23.30	45.00	42.00	87.00	22.50	45.00	–	–	–	19.50	48.50	M8	8.30	17.30	.072
45-2433	6.00	23.30	45.00	42.00	87.00	–	–	22.50	45.00	90.00	19.50	48.50	M8	8.30	17.30	.145

Recommended Mounting Hardware (Mount to T-Slot):

		Retainer Part No.									
Part No.	Series	20-2496	20-2497	25-2496	25-2497	30-2434	30-2433	40-2434	40-2433	45-2434	45-2433
75-3581	20	1	2	-	-	-	-	-	-	-	-
75-3404	25	-	-	1	2	-	-	-	-	-	-
75-3615	30	-	-	-	-	1	2	-	-	-	-
75-3422	40	-	-	-	-	-	-	1	2	-	-
75-3619	45	-	-	-	-	-	-	-	-	1	2

Recommended Mounting Hardware (Mount to 6mm Panel):

		Retainer Part No.									
Part No.	Series	20-2496	20-2497	25-2496	25-2497	30-2434	30-2433	40-2434	40-2433	45-2434	45-2433
11-5310	20	1	2	-	-	-	-	-	-	-	-
13-6310	25	-	-	1	2	-	-	-	-	-	-
11-8312	30	-	-	-	-	1	2	-	-	-	-
13-8312	40	-	-	-	-	-	-	1	2	-	-
11-8312	45	-	-	-	-	-	-	-	-	1	2

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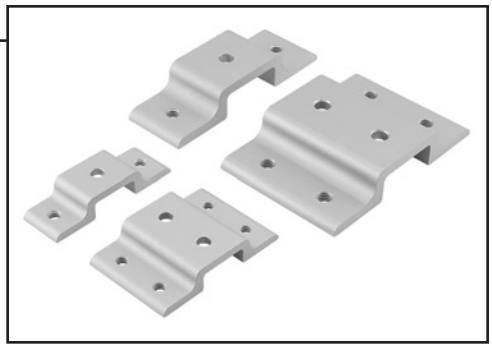
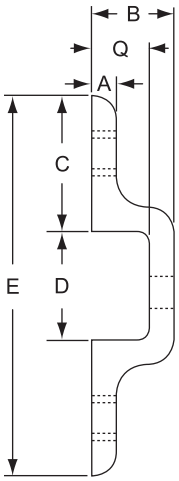
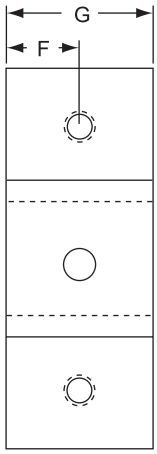
Double Panel Retainers

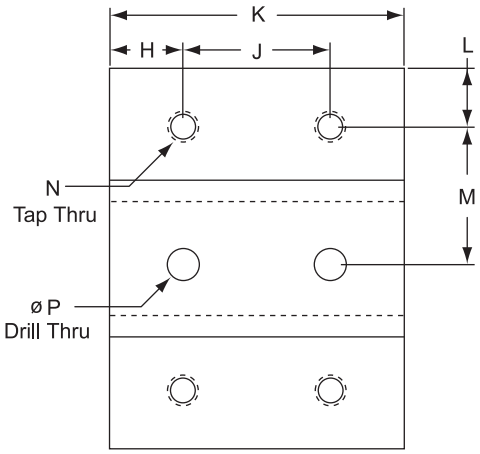
- **25 and 40 Series compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Strongest way to cost-effectively retain two plastic panels separated by a profile**
- **Simplifies panel installation and removal**
- **Requires drill thru hole in panel that lines up with retainer's tapped hole(s); see page 1072**







25-2512
40-2515



25-2513
40-2516

Recommended Mounting Hardware (Mount to T-Slot):

		Retainer Part No.			
Part No.	Series	25-2512	40-2515	25-2513	40-2516
75-3404	25	1	–	2	–
75-3422	40	–	1	–	2

Recommended Mounting Hardware (Mount to 6mm Panel):

		Retainer Part No.			
Part No.	Series	25-2512	40-2515	25-2513	40-2516
13-6310	25	2	–	4	–
13-8312	40	–	2	–	4

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	kg.
25-2512	4.00	13.30	25.00	25.5	75.50	12.50	25.00	–	–	–	9.80	28.00	M6 x 1.0	6.30	9.30	.027
40-2515	6.00	22.00	40.00	40.60	120.60	20.00	40.00	–	–	–	15.80	44.50	M8 x 1.25	8.30	16.00	.088
25-2513	4.00	13.30	25.00	25.50	75.50	–	–	12.50	25.00	50.00	9.80	28.00	M6 x 1.0	6.30	9.30	.054
40-2516	6.00	22.00	40.00	40.60	120.60	–	–	20.00	40.00	80.00	15.80	44.50	M8 x 1.25	8.30	16.00	.177

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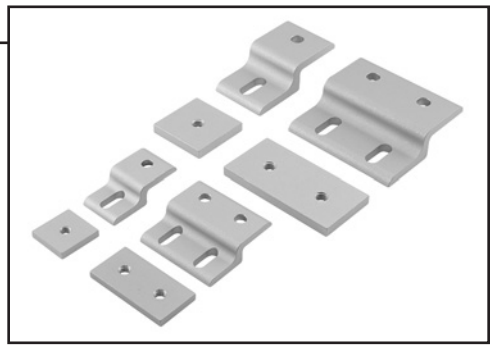
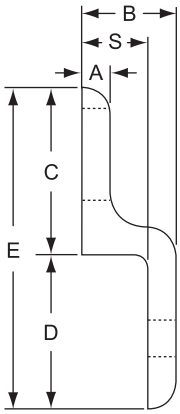
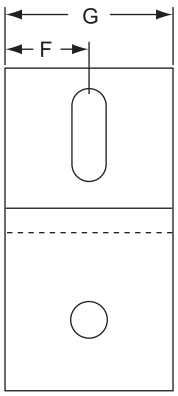
Single Mesh Panel Retainers

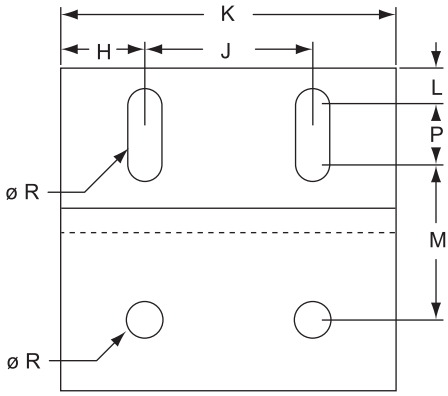
- **20, 25, 30, 40 and 45 Series compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Strongest method for mounting wire mesh**
- **Simplifies panel installation and removal**
- **Panel is secured when tightened between retainer and threaded backing plate**



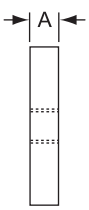




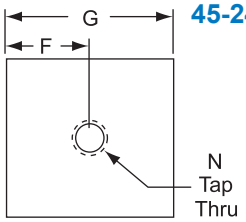
20-2490
20-2492
25-2491
30-2432
30-2438
40-2436
45-2432
45-2438

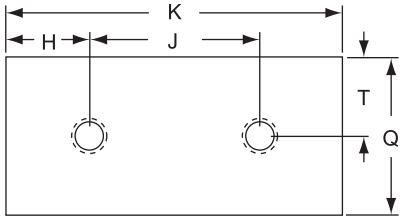


20-2493
20-2495
25-2494
30-2431
30-2437
40-2435
45-2431
45-2437



Backing Plate Detail





Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
20-2490	3.00	10.20	20.00	19.00	39.00	10.00	20.00	–	–	–	5.76	19.30	–	5.47	–	5.50	7.20	–
20-2492	3.00	–	–	–	–	16.00	32.00	–	–	–	–	–	M5	–	20.00	–	–	10.00
20-2493	3.00	10.20	20.00	19.00	39.00	–	–	10.00	20.00	40.00	5.76	19.30	–	5.47	–	5.50	7.20	–
20-2495	3.00	–	–	–	–	–	–	10.00	20.00	40.00	–	–	M5	–	20.00	–	–	10.00
25-2491	4.00	13.30	25.00	23.50	48.50	16.00	32.00	–	–	–	6.00	22.10	M6 x 1.0	9.40	25.00	6.30	9.30	12.50
25-2494	4.00	13.30	25.00	23.50	48.50	–	–	12.50	25.00	50.00	6.00	22.10	M6 x 1.0	9.40	25.00	6.30	9.30	12.50
30-2432	4.00	14.60	30.00	28.00	58.00	15.00	30.00	–	–	–	8.13	27.60	–	9.77	–	8.30	10.60	–
30-2438	4.00	–	–	–	–	15.00	30.00	–	–	–	–	–	M8	–	25.00	–	–	12.50
30-2431	4.00	14.60	30.00	28.00	58.00	–	–	15.00	30.00	60.00	8.13	27.60	–	9.77	–	8.30	10.60	–
30-2437	4.00	–	–	–	–	–	–	15.00	30.00	60.00	–	–	M8	–	25.00	–	–	12.50
40-2436	6.00	22.00	40.00	37.00	77.00	20.00	40.00	–	–	–	9.00	37.90	M8 x 1.25	13.30	39.80	8.30	16.00	19.90
40-2435	6.00	22.00	40.00	37.00	77.00	–	–	20.00	40.00	80.00	9.00	37.90	M8 x 1.25	13.30	39.80	8.30	16.00	19.90
45-2432	6.00	23.30	45.00	42.00	87.00	22.50	45.00	–	–	–	10.16	39.15	–	18.70	–	8.30	17.30	–
45-2438	6.00	–	–	–	–	22.50	45.00	–	–	–	–	–	M8	–	40.00	–	–	20.00
45-2431	6.00	23.30	45.00	42.00	87.00	–	–	22.50	45.00	90.00	10.16	39.15	–	18.70	–	8.30	17.30	–
45-2437	6.00	–	–	–	–	–	–	22.50	45.00	90.00	–	–	M8	–	40.00	–	–	20.00

Note: Refer to following page for recommended mounting hardware.

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Single Mesh Panel Retainers continued

Part No.	Series	kg.	Size	Description
20-2490	20	.006	20mm	Single Mesh Retainer
20-2492	20	.007	20mm	Single Backing Plate
20-2491	20	.013	20mm	Single Mesh Retainer w/Back Plate
20-2493	20	.013	40mm	Single Mesh Retainer
20-2495	20	.008	40mm	Single Backing Plate
20-2494	20	.021	40mm	Double Mesh Retainer w/Back Plate
25-2490	25	.016	25mm	Mesh Retainer
25-2493	25	.034	50mm	Mesh Retainer
25-2491	25	.025	25mm	Mesh Retainer w/ Backing Plate
25-2494	25	.050	50mm	Mesh Retainer w/ Double Backing Plate
25-2492	25	.009	25mm	Backing Plate
25-2495	25	.016	50mm	Double Backing Plate
30-2432	30	.018	30mm	Single Mesh Retainer
30-2438	30	.008	30mm	Single Backing Plate
30-2436	30	.026	30mm	Single Mesh Retainer w/Back Plate
30-2431	30	.036	60mm	Single Mesh Retainer
30-2437	30	.016	60mm	Single Backing Plate
30-2435	30	.053	60mm	Single Mesh Retainer w/Back Plate
40-2432	40	.054	40mm	Mesh Retainer
40-2431	40	.109	80mm	Mesh Retainer
40-2436	40	.079	40mm	Mesh Retainer w/ Backing Plate
40-2435	40	.159	80mm	Mesh Retainer w/ Double Backing Plate
40-2438	40	.025	40mm	Backing Plate
40-2437	40	.050	80mm	Double Backing Plate
45-2432	45	.069	45mm	Single Mesh Retainer
45-2438	45	.029	45mm	Single Backing Plate
45-2436	45	.098	45mm	Single Mesh Retainer w/Back Plate
45-2431	45	.138	90mm	Single Mesh Retainer
45-2437	45	.059	90mm	Single Backing Plate
45-2435	45	.197	90mm	Single Mesh Retainer w/Back Plate

Recommended Mounting Hardware (Mount to T-Slot):

		Retainer Part No.															
Part No.	Series	20-2490	20-2491	20-2493	20-2494	25-2491	25-2494	30-2432	30-2436	30-2431	30-2435	40-2436	40-2435	45-2432	45-2436	45-2431	45-2435
75-3581	20	1	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-
75-3404	25	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-
75-3615	30	-	-	-	-	-	-	1	1	2	2	-	-	-	-	-	-
75-3422	40	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-
75-3619	45	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2

Recommended Mounting Hardware: (Mount to Back Plate):

		Retainer Part No.															
Part No.	Series	20-2492	20-2491	20-2495	20-2494	25-2491	25-2494	30-2438	30-2436	30-2437	30-2435	40-2436	40-2435	45-2438	45-2436	45-2437	45-2435
11-5310	20	1	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-
13-6312	25	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-
11-8316	30	-	-	-	-	-	-	1	1	2	2	-	-	-	-	-	-
13-8320	40	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-
11-8318	45	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	2

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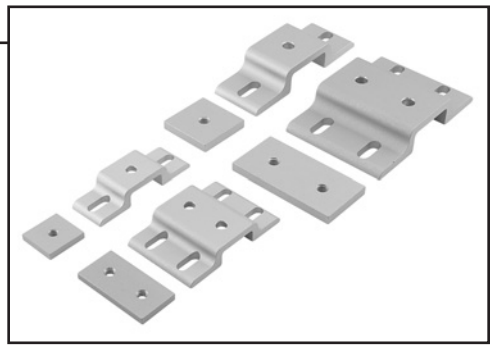
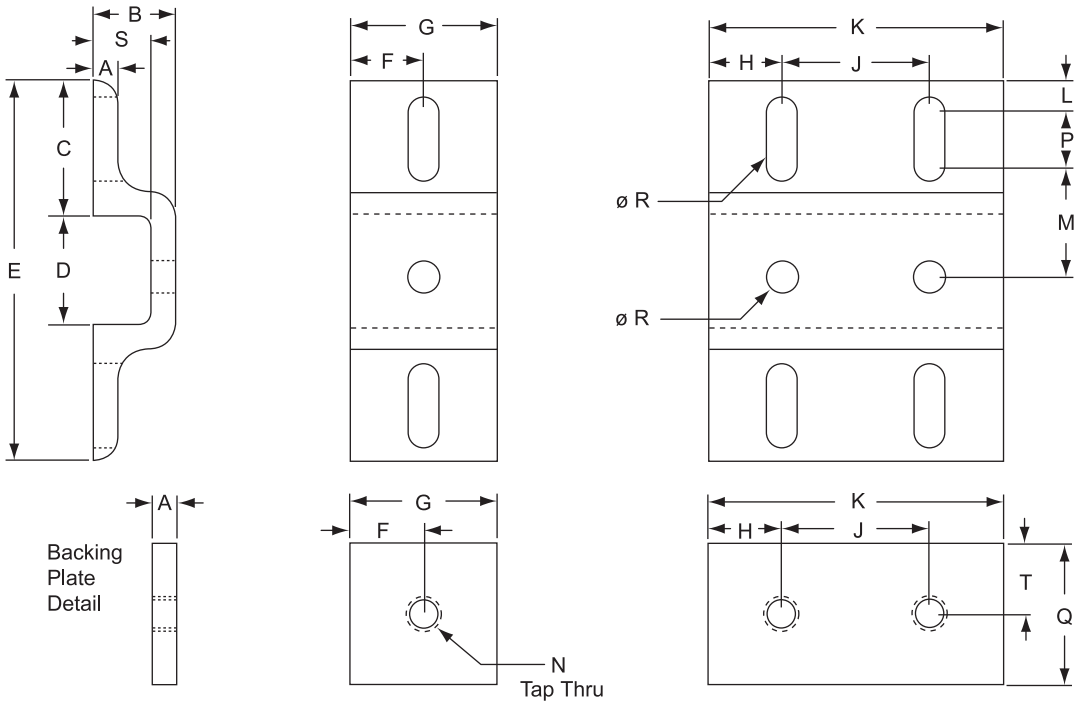
Double Mesh Panel Retainers

- **25 and 40 Series compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Panel is secured when tightened between retainer and threaded backing plate**
- **Strongest way to cost-effectively retain two wire mesh or expanded metal panels separated by a profile**
- **Simplifies panel installation and removal**





Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
25-2521	4.00	13.30	25.00	25.50	75.50	16.00	32.00	–	–	–	6.00	22.40	M6 x 1.0	9.40	25.00	6.30	9.30	12.50
40-2517	6.00	22.00	40.60	40.60	120.60	20.00	40.00	–	–	–	9.00	38.00	M8 x 1.25	13.30	39.80	8.30	16.00	19.90
25-2523	4.00	13.30	25.00	25.50	75.50	–	–	12.50	25.00	50.00	6.00	22.40	M6 x 1.0	9.40	25.00	6.30	9.30	12.50
40-2519	6.00	22.00	40.00	40.60	120.60	–	–	20.00	40.00	80.00	9.00	38.00	M8 x 1.25	13.30	39.80	8.30	16.00	19.90

Note: Refer to following page for recommended mounting hardware.

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Double Mesh Retainers continued

Recommended Mounting Hardware (Mount to T-Slot):

		Retainer Part No.s			
Part No.	Series	25-2521	40-2517	25-2523	40-2519
75-3404	25	1	–	2	–
75-3422	40	–	1	–	2

Recommended Mounting Hardware (Mount to 12/16 Guage Wire):

		Retainer Part No.s			
Part No.	Series	25-2521	40-2517	25-2523	40-2519
13-6312	25	2	–	4	–
13-8320	40	–	2	–	4

Part No.	Series	kg.	Size	Description
25-2521	25	.027	25mm	Double Mesh Retainer
40-2517	40	.088	40mm	Double Mesh Retainer
25-2523	25	.054	50mm	Double Mesh Retainer
40-2519	40	.177	80mm	Double Mesh Retainer
25-2522	25	.045	25mm	Double Mesh Retainer w/ Backing Plate
40-2518	40	.138	40mm	Double Mesh Retainer w/ Backing Plate
25-2524	25	.086	50mm	Double Mesh Retainer w/ Dbl Backing Plate
40-2520	40	.277	80mm	Double Mesh Retainer w/ Dbl Backing Plate
25-2492	25	.009	25mm	Double Backing Plate
40-2438	40	.025	40mm	Double Backing Plate
25-2495	25	.016	50mm	Double Dbl Backing Plate
40-2437	40	.050	80mm	Double Dbl Backing Plate

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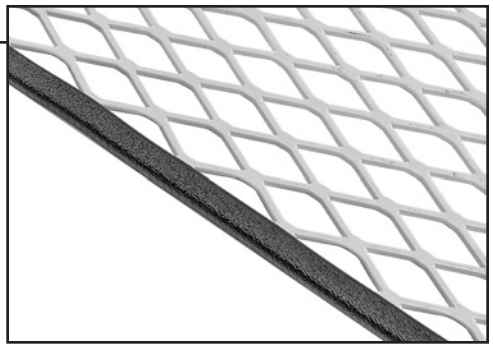
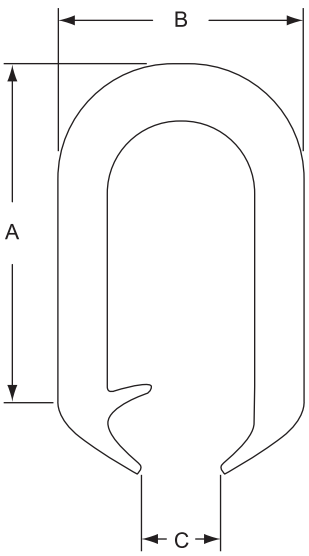
Wire Edge "Cut You Not"

- **Create clean, safe, and easy access openings**
- **Crimps on edge of wire mesh or expanded metal panels**
- **Made of black flexible PVC with internal metal clips**
- **Sold by the meter with no cut charge**





Part No.	Description	A	B	C	kg/m
65-2465	Black Wire Edge	14.22	10.02	4.78	.112

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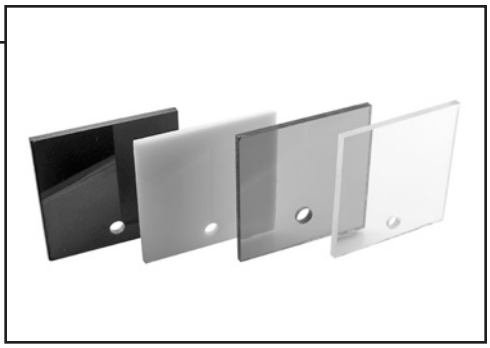
Acrylic Panels

- **Cost-effective panel alternative**
- **High optical clarity**
- **Resistant to weather and elements**
- **Stable up to 180°**
- **Cut plastic panels to size with 65-7150 or 65-7155 services on page 1051**



Part No.	Color	Thickness	kg. / Sq. meter	Stock Sheet Size
65-2601	Clear	6mm	7.08	1219.2 x 2438.4 + 6.35/-0
65-2602	Clear	4.5mm	4.10	1219.2 x 2438.4 + 6.35/-0
65-2603	White	6mm	7.08	1219.2 x 2438.4 + 6.35/-0
65-2604	White	4.5mm	4.10	1219.2 x 2438.4 + 6.35/-0
65-2605	Black	6mm	7.08	1219.2 x 2438.4 + 6.35/-0
65-2606	Black	4.5mm	4.10	1219.2 x 2438.4 + 6.35/-0
65-2607	Bronze	6mm	7.08	1219.2 x 2438.4 + 6.35/-0
65-2608	Bronze	4.5mm	4.10	1219.2 x 2438.4 + 6.35/-0

Acrylic panels are a cost-effective alternative to polycarbonate. While less impact-resistant, acrylic is available in more colors and lighter in weight. Acrylic is great in applications where optical clarity and resistance to the elements are important. Only half as heavy as glass and only 40% as heavy as aluminum, acrylic is also easy to cut, drill, rout and paint. Use acrylic for applications such as displays, signs, furniture, low-impact guarding and partitions.

AR Polycarbonate Panels

- **Abrasion- and scratch-resistant coating**
- **High impact resistance**
- **Stable up to 240°**
- **Good visual transparency**
- **Cut plastic panels to size with 65-7150 or 65-7155 services on page 1051**
- **See pages 1051-1075 for all plastic panel machining services**

Part No.	Color	Thickness	kg. / Sq. meter	Stock Sheet Size
65-2641	Clear	4.50mm	5.615	1219.2 x 2438.4 + 6.35/-0
65-2642	Clear	6.00mm	7.325	1219.2 x 2438.4 + 6.35/-0

Abrasion Resistant Polycarbonate is a standard polycarbonate panel with an abrasion-resistant coating. This hard coat surface gives a durable, impact-resistant polycarbonate panel the wearability of an acrylic sheet. AR Polycarbonate can be used to maintain a clear view of an enclosed operation on machine guards and other safety applications in high traffic areas.

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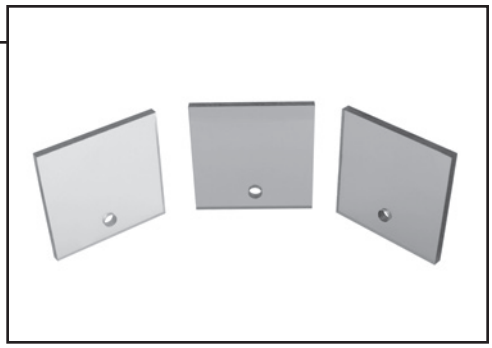
Polycarbonate Panels



- **Easily machined**
- **Good optical clarity**
- **High impact resistance**
- **Stable up to 240°**
- **Clear panels now available in 3mm, 9.5mm and 12.7mm thickness**
- **Cut plastic panels to size with 65-7150 or 65-7155 services on page 1051**
- **See pages 1051-1075 for all plastic panel machining services**

Part No.	Color	Thickness	kg. /sq. meter	Stock Sheet Size
65-2645	Clear	12.7mm	15.235	1219.2 x 2438.4 + 6.35/-0
65-2644	Clear	9.5mm	11.425	1219.2 x 2438.4 + 6.35/-0
65-2609 *	Clear	6mm	7.325	1219.2 x 2438.4 + 6.35/-0 1219.2 x 2438.4 + 6.35/-0
65-2610	Clear	4.5mm	5.615	1219.2 x 2438.4 + 6.35/-0
65-2643	Clear	3mm	3.662	1219.2 x 2438.4 + 6.35/-0
65-2611	Bronze	6mm	7.325	1219.2 x 2438.4 + 6.35/-0
65-2612	Bronze	4.5mm	5.615	1219.2 x 2438.4 + 6.35/-0
65-2629	Gray	6mm	7.325	1219.2 x 2438.4 + 6.35/-0
65-2630	Gray	4.5mm	5.615	1219.2 x 2438.4 + 6.35/-0

*** Specify sheet size when ordering**

Polycarbonate is a high performance industrial application panel. Easily machined with standard hand tools, the high impact resistance offered by Polycarbonate prevents cracking, chipping or breaking when cutting or drilling panels.

Recycled Polycarbonate Panels

- **Same machinability and impact resistance as our standard "virgin" polycarbonate panels**
- **Made from less costly, recycled material ***
- **Stable up to 240°**

* When compared to our standard "virgin" polycarbonate panels, recycled material may appear slightly tinted

Part No.	Color	Thickness	kg. /sq. meter	Stock Sheet Size
65-2647	Clear	4.5mm	5.615	1219.2 x 2438.4 + 6.35/-0
65-2646	Clear	6mm	7.325	1219.2 x 2438.4 + 6.35/-0

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ABS Haircell Panels

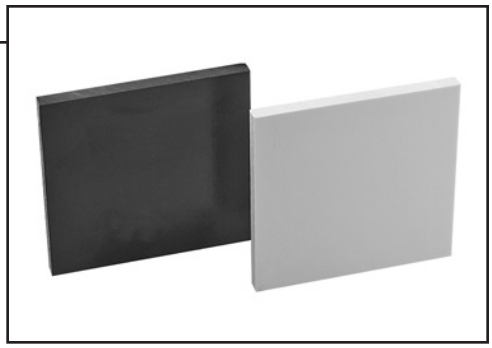
- **Lightweight**
- **Textured side hides marks and scratches**
- **Cost-effective**
- **Stable up to 180°**
- **Cut plastic panels to size with 65-7150 or 65-7155 services on page 1051**
- **See pages 1051-1075 for all plastic panel machining services**

Part No.	Color	Thickness	kg. / Sq. meter	Stock Sheet Size
65-2613	Black	6mm	8.301	1371.6 + 6.35/-0 x 2616.2 + 15.88/-0
65-2614	Black	4.5mm	4.883	1219.2 + 6.35/-0 x 2438.4 + 12.7/-0

ABS Haircell is a great cost-effective alternative to Acrylic and Polycarbonate. ABS Haircell has a unique textured side which hides scratches and other marks while offering greater impact resistance than acrylic panels. Easily machined, ABS Haircell is a general purpose sheet that is well suited to almost any application, including furniture, workstations, displays, guarding and partitions.

Kydex® Panels

- **Impact-resistant panel**
- **Fire rated, UL94 V-O**
- **Textured finish on front of panel hides marks and scratches**
- **Available in black or yellow**
- **Stable up to 160°**



Part No.	Color	Thickness	kg. / Sq. meter	Stock Sheet Size
65-2660	Black	4.70mm	5.615	1219.2 x 2438.4 + 9.5/-0
65-2661	Black	6.30mm	7.325	1219.2 x 2438.4 + 9.5/-0
65-2662	Yellow	4.70mm	5.615	1219.2 x 2438.4 + 9.5/-0
65-2663	Yellow	6.30mm	7.325	1219.2 x 2438.4 + 9.5/-0

This impact-resistant sheet features a colored cap with a similarly colored substrate. Textured on one side, this fire-retardant panel combines an aesthetic appearance with long service life.

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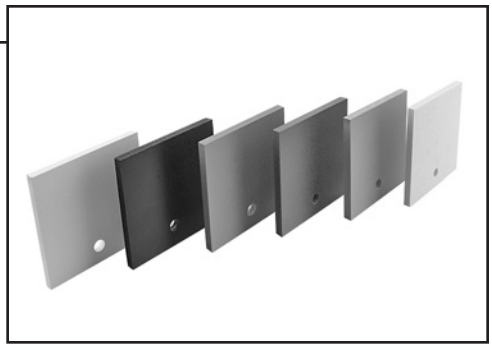
Expanded PVC Panels

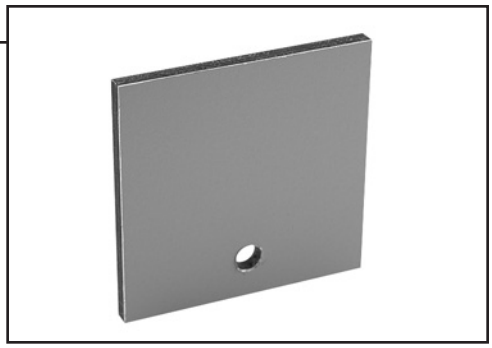


- **Low-cost and lightweight**
- **Decorative applications can be designed using several of our available colors**
- **Stable up to 140°**
- **Good chemical resistance**
- **Cut plastic panels to size with 65-7150 or 65-7155 services on page 1051**
- **See pages 1051-1075 for all plastic panel machining services**

Part No.	Color	Thickness	kg. / Sq. meter	Stock Sheet Size
65-2615	White	6mm	4.395	1219.2 + 5.0/-0 x 2438.4 + 10.0/-0
65-2616	White	3mm	2.442	1219.2 + 5.0/-0 x 2438.4 + 10.0/-0
65-2617	Black	6mm	4.395	1219.2 + 5.0/-0 x 2438.4 + 10.0/-0
65-2618	Black	3mm	2.442	1219.2 + 5.0/-0 x 2438.4 + 10.0/-0
65-2619	Red	6mm	4.395	1219.2 + 5.0/-0 x 2438.4 + 10.0/-0
65-2620	Red	3mm	2.442	1219.2 + 5.0/-0 x 2438.4 + 10.0/-0
65-2621	Blue	6mm	4.395	1219.2 + 5.0/-0 x 2438.4 + 10.0/-0
65-2622	Blue	3mm	2.442	1219.2 + 5.0/-0 x 2438.4 + 10.0/-0
65-2623	Gray	6mm	4.395	1219.2 + 5.0/-0 x 2438.4 + 10.0/-0
65-2624	Gray	3mm	2.442	1219.2 + 5.0/-0 x 2438.4 + 10.0/-0
65-2631	Yellow	6mm	4.395	1219.2 + 5.0/-0 x 2438.4 + 10.0/-0
65-2632	Yellow	3mm	2.442	1219.2 + 5.0/-0 x 2438.4 + 10.0/-0

Expanded PVC panels, available in 6 colors, are a low cost alternative to Acrylic and Polycarbonate panels. Expanded PVC panels are very weather-resistant and easily machined. The light impact resistance limits the usage of Expanded PVC panels to light-duty applications where contact is a minimum. Expanded PVC works great as signage, displays or exhibit panels.

Alucobest Panels

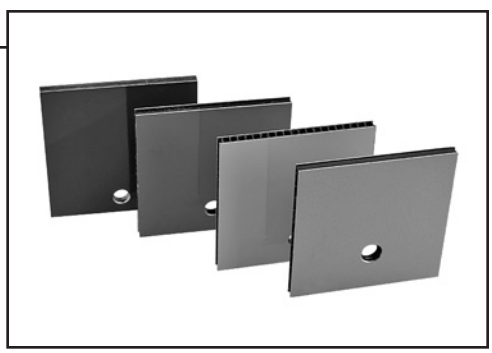


- **Half the weight of solid aluminum, making it easy to machine**
- **Smooth metallic finish is impact-resistant**
- **Durable and weather-resistant**
- **Stable up to 175°**
- **Cut plastic panels to size with 65-7150 or 65-7155 services on page 1051**
- **See pages 1051-1075 for all plastic panel machining services**

Part No.	Color	Thickness	kg. / Sq. meter	Stock Sheet Size
65-2650	Platinum	6mm	7.280	1270 x 3098.8 + 2.0/-0

An aluminum composite material composed of two .020” aluminum skins bonded to a polyethylene core, Alucobest has a smooth metallic finish similar to that of a solid aluminum panel, with only half the weight. Offering good impact resistance, Alucobest resists buckling and warping and is easily machined. When you need a strong, solid panel for guarding, enclosures or workstations in place of a solid aluminum sheet, Alucobest is the answer.

Alumalite® Panels



- **Lightweight composite panel**
- **Smooth, glossy, painted finish**
- **Water-resistant core**
- **Stable up to 120°**
- **Cut plastic panels to size with 65-7150 or 65-7155 services on page 1051**
- **See pages 1051-1075 for all plastic panel machining services**

Part No.	Color	Thickness	kg. / Sq. meter	Stock Sheet Size
65-2633	Blue	6mm	1.83 to 3.00	1219.2 x 2438.4 + 6.3/-0
65-2634	Red	6mm	1.83 to 3.00	1219.2 x 2438.4 + 6.3/-0
65-2635	Silver	6mm	1.83 to 3.00	1219.2 x 2438.4 + 6.3/-0
65-2636	Yellow	6mm	1.83 to 3.00	1219.2 x 2438.4 + 6.3/-0
65-2637	Black	6mm	1.83 to 3.00	1219.2 x 2438.4 + 6.3/-0

Alumalite®, a strong aluminum composite panel with a corrugated polyallomer core between two .016" aluminum skins, is a perfect choice for applications that require a lightweight aesthetic-looking panel. The CPA core provides weather resistant properties that make this panel appropriate for indoor or outdoor applications including furniture, signs, displays, workstations and machine guarding.

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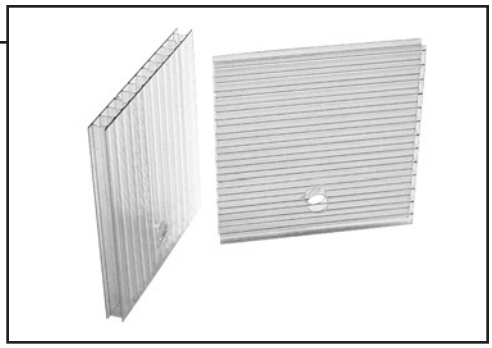
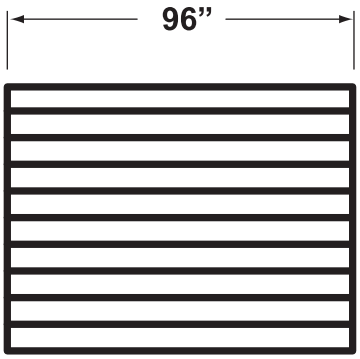
Twin Wall Polycarbonate Panels



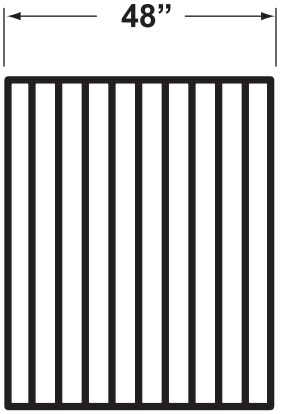
- **Lightweight**
- **90% light transmission**
- **Resistant to weather and elements**
- **Corrugated sheet**
- **Cut plastic panels to size with 65-7150 or 65-7155 services on page 1051**
- **See pages 1051-1075 for all plastic panel machining services**

Part No.	Color	Thickness	kg. / Sq. meter	Stock Sheet Size
65-2640	Clear	6mm	1.299	1219.2 + 4.0/-0 x 2438.4 + 5.0/-0

Twin Wall Polycarbonate provides an excellent solution for a wide range of lightweight guarding, partition and enclosure needs. At one-sixth the weight of a solid Polycarbonate panel, Twin Wall Polycarbonate is quick and easy to work with.



Horizontal Orientation

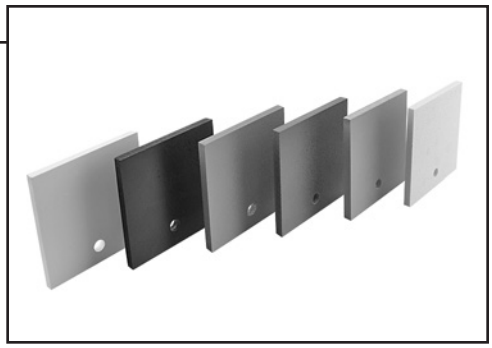


Vertical Orientation

Always specify the required direction for the channel orientation when ordering Twin Wall Polycarbonate panels.

HDPE Panels

- **Cost-effective, decorative panel available in six colors**
- **Haircell type texture on both sides**
- **More impact-resistant than expanded PVC panels**
- **Very good chemical resistance**
- **Stable up to 160°**



Part No.	Color	Thickness	kg. / Sq. meter	Stock Sheet Size
65-2651	Black	6.00mm	5.86	1219.2 + 6.3/-0 x 2438.4 + 12.7/-0
65-2652	Black	4.50mm	4.40	1219.2 + 6.3/-0 x 2438.4 + 12.7/-0
65-2653	White	6.00mm	5.86	1219.2 + 6.3/-0 x 2438.4 + 12.7/-0
65-2654	White	4.50mm	4.40	1219.2 + 6.3/-0 x 2438.4 + 12.7/-0
65-2655	Gray	6.00mm	5.86	1219.2 + 6.3/-0 x 2438.4 + 12.7/-0
65-2656	Gray	4.50mm	4.40	1219.2 + 6.3/-0 x 2438.4 + 12.7/-0
65-2657	Yellow	6.00mm	5.86	1219.2 + 6.3/-0 x 2438.4 + 12.7/-0
65-2658	Yellow	4.50mm	4.40	1219.2 + 6.3/-0 x 2438.4 + 12.7/-0
65-2666	Blue	6.00mm	5.86	1219.2 + 6.3/-0 x 2438.4 + 12.7/-0
65-2667	Blue	4.50mm	4.40	1219.2 + 6.3/-0 x 2438.4 + 12.7/-0
65-2668	Red	6.00mm	5.86	1219.2 + 6.3/-0 x 2438.4 + 12.7/-0
65-2669	Red	4.50mm	4.40	1219.2 + 6.3/-0 x 2438.4 + 12.7/-0

HDPE panels, available in six colors, are a great alternative to Expanded PVC panels. HDPE panels are weather-resistant and have excellent machining characteristics. With two textured sides, this panel is a great option in areas where both sides of the panel are exposed. HDPE has a high coefficient of thermal expansion. Allow panels to expand and contract by using oversized mounting holes and not captivating panels tightly in the T-slot.

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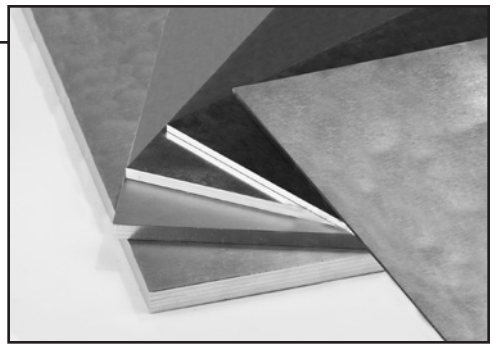
Solid Aluminum Plate



- **Unanodized mill finish**
- **6061-T6 alloy**
- **Anodized parts quoted on request (CM)**
- **See page 1076 for mill finish sanding service**
- **See page 1076 for aluminum panel machining services**

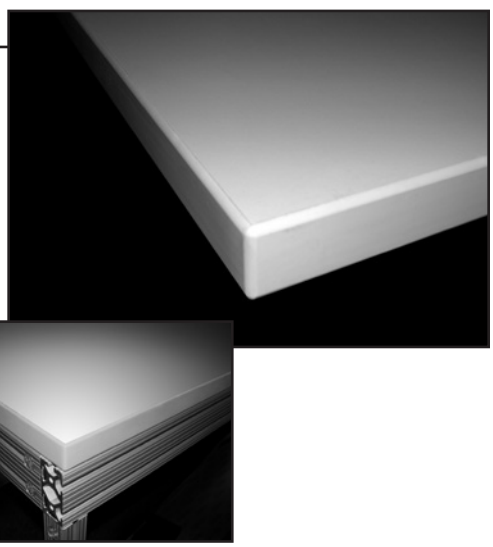
Part No.	Material	Thickness	kg. / Sq. meter	Stock Sheet Size
65-2452	Aluminum Plate	1.524mm	4.340	1219.2 + 3.2/-0 x 3657.6 + 4.0/-0
65-2453	Aluminum Plate	3.175mm	8.613	1219.2 + 3.2/-0 x 3657.6 + 4.0/-0
65-2454	Aluminum Plate	4.750mm	13.085	1219.2 + 3.2/-0 x 3657.6 + 4.0/-0
65-2455	Aluminum Plate	6.350mm	18.065	1219.2 + 3.2/-0 x 3657.6 + 4.0/-0
65-2456	Aluminum Plate	9.525mm	27.097	1219.2 + 3.2/-0 x 3657.6 + 4.0/-0
65-2457	Aluminum Plate	12.700mm	36.130	1231.9 + 9.5/-0 x 2451.1 + 12.7/-0

NEW!

80/20® now offers solid aluminum, mill finish plate in six thicknesses. These aluminum sheets can be anodized and machined to meet your needs.

Laminated Table Tops

DVD



- **Quality 31.75mm high-pressure laminate table tops**
- **The perfect choice for completing your custom workstation**
- **Available in gray color**
- **3mm PVC bumper edge coordinates with table color**
- **See page 922 for tabletop fastening kit**

Part No.	Size	kg.
65-2800	762.00 x 1219.20 x 31.75 mm	22.680
65-2802	762.00 x 1524.00 x 31.75 mm	28.577
65-2804	762.00 x 1828.80 x 31.75 mm	34.020
65-2806	914.40 x 1828.80 x 31.75 mm	40.824

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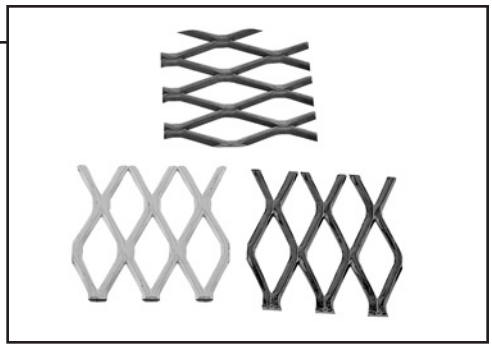
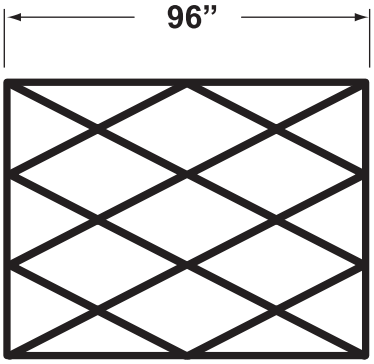
Expanded Metal Panels

- **Heavy-duty panel**
- **Powder coat or carbon steel finish**
- **Stronger than welded wire cloth**
- **Impact-resistant**
- **Shear expanded metal panels to size with 65-7095 or 65-7100 services on page 1051**

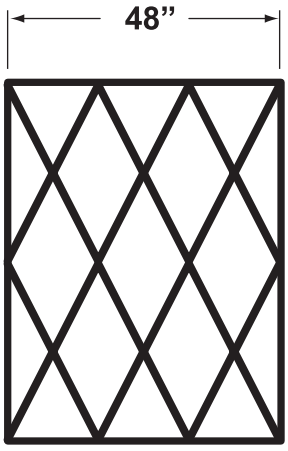


Part No.	Material	Type	Thickness	kg. / Sq. meter	Dimensions	Stock Sheet Size
65-2480	Carbon Steel	Flattened	3.43mm	8.399	Diamond 50.4 x 22.8	1219.2 x 2438.4 + 6.35/-0
65-2481	Powder Coated Black	Flattened	3.43mm	8.399	Diamond 50.4 x 22.8	1219.2 x 2438.4 + 6.35/-0
65-2482	Powder Coated Yellow	Flattened	3.43mm	8.399	Diamond 50.4 x 22.8	1219.2 x 2438.4 + 6.35/-0

80/20®'s Expanded Metal Panels are the perfect choice for any heavy duty guarding application. Available in a standard carbon steel finish, Expanded Metal is also stocked with a black or yellow powder coated finish. Expanded Metal surpasses Wire Mesh in strength and durability.



Horizontal Orientation



Vertical Orientation

Always specify the required direction for the diamond orientation when ordering Expanded Metal Panels.

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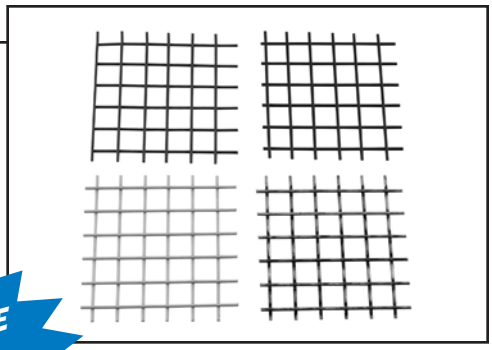
Wire Mesh Panels



- **Great for guarding applications**
- **Low cost alternative to expanded metal panels**
- **Lightweight, yet impact-resistant**
- **Shear wire mesh panels to size with 65-7095 or 65-7100 services on page 1051**

NOW AVAILABLE IN BLUE AND BLACK!

Part No.	Material	Wire Gauge	Thickness	kg. / Sq. meter	Dimensions	Stock Sheet Size
65-2470	Galvanized Steel	12	5.10mm	4.93	Square 25.40 x 25.40	1219.2 x 2438.4
65-2460	Galvanized Steel	16	3.50mm	2.49	Square 12.70 x 12.70	1219.2 x 2438.4
65-2468	Powder Coated Blue	12	5.10mm	4.93	Square 25.40 x 25.40	1219.2 x 2438.4
65-2463	Powder Coated Blue	16	3.50mm	2.83	Square 12.70 x 12.70	1219.2 x 2438.4
65-2467	Powder Coated Red	12	5.10mm	4.93	Square 25.40 x 25.40	1219.2 x 2438.4
65-2462	Powder Coated Red	16	3.50mm	2.83	Square 12.70 x 12.70	1219.2 x 2438.4
65-2471	Powder Coated Yellow	12	5.10mm	4.93	Square 25.40 x 25.40	1219.2 x 2438.4
65-2461	Powder Coated Yellow	16	3.50mm	2.83	Square 12.70 x 12.70	1219.2 x 2438.4
65-2479	Powder Coated Black	12	5.10mm	4.93	Square 25.40 x 25.40	1219.2 x 2438.4
65-2464	Powder Coated Black	16	3.50mm	2.83	Square 12.70 x 12.70	1219.2 x 2438.4

Welded Wire Mesh Panels are a great low-cost alternative to Expanded Metal Panels. While not as strong as Expanded Metal, their light weight makes working with Wire Mesh Panels quick and easy. Available in carbon steel and four powder coat colors, these Wire Mesh Panels work well for guarding and enclosure applications.

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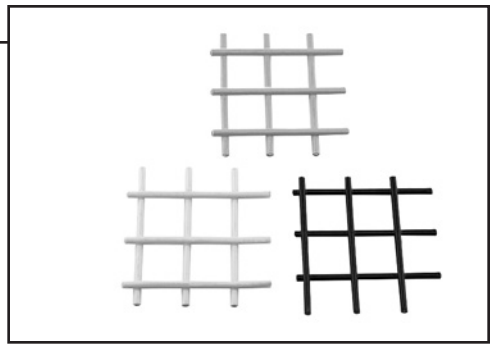
Thermoplastic Coated Wire Mesh Panels

- **Widely used in guarding and enclosure applications**
- **Strong yet lightweight**
- **Low wear value, won't flake or chip**
- **Light impact and corrosion resistance**
- **Thermoplastic coating is FDA-compliant and easy to clean**
- **Shear wire mesh panels to size with 65-7095 or 65-7100 services on page 1051**



NOW AVAILABLE IN 50.8MM X 50.8MM DIMENSIONS!

Part No.	Material	Wire Gauge	Thickness	kg. / Sq. meter	Dimensions	Stock Sheet Size
65-2472	Thermoplastic Coated Carbon Steel Black	12	5.30mm	6.348	Square 25.40 x 25.40	1219.2 x 2438.4
65-2474	Thermoplastic Coated Carbon Steel Black	16	3.55mm	3.174	Square 12.70 x .12.70	1219.2 x 2438.4
65-2478	Thermoplastic Coated Carbon Steel Black	12	5.30mm	6.348	Square 50.80 x 50.80	1219.2 x 2438.4
65-2473	Thermoplastic Coated Carbon Steel Yellow	12	5.30mm	6.348	Square 25.40 x 25.40	1219.2 x 2438.4
65-2475	Thermoplastic Coated Carbon Steel Yellow	16	3.55mm	3.174	Square 12.70 x .12.70	1219.2 x 2438.4
65-2477	Thermoplastic Coated Carbon Steel Grey	12	5.30mm	6.348	Square 25.40 x 25.40	1219.2 x 2438.4
65-2476	Thermoplastic Coated Carbon Steel Grey	16	3.55mm	3.174	Square 12.70 x 12.70	1219.2 x 2438.4

Thermoplastic Coated Wire Mesh is a low-cost alternative to Powder Coated Wire and Expanded Metal. Available in three colors, the thermoplastic coating creates a clean look for your application while preventing cuts and other injuries. Thermoplastic Wire Mesh Panels are great for use in guarding, enclosure and machine frame applications.

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Panel Area Calculation Chart

Directions for area calculation:

- **Round both length and width dimensions of the panel up to the next 150mm increment.**
- **Find the length and width along the top and left side of area calculation chart.**
- **Find the area in square meters at the intersection of the length and width dimensions.**

Linear Dimensions	150	300	450	600	750	900	1050	1200	1350	1500
150	.03	.05	.07	.09	.12	.14	.16	.18	.21	.23
300	.05	.09	.14	.18	.23	.27	.32	.36	.41	.45
450	.07	.14	.21	.27	.34	.41	.48	.54	.61	.68
600	.09	.18	.27	.36	.45	.54	.63	.72	.81	.90
750	.12	.23	.34	.45	.57	.68	.79	.90	1.02	1.13
900	.14	.27	.41	.54	.68	.81	.95	1.08	1.22	1.35
1050	.16	.32	.48	.63	.79	.95	1.10	1.26	1.42	1.58
1200	.18	.36	.54	.72	.90	1.08	1.26	1.44	1.62	1.80
1350	.21	.41	.61	.81	1.02	1.22	1.42	1.62	1.83	2.03
1500	.23	.45	.68	.90	1.13	1.35	1.58	1.80	2.03	2.25
1650	.25	.50	.75	.99	1.24	1.49	1.74	1.98	2.23	2.48
1800	.27	.54	.81	1.08	1.35	1.62	1.89	2.16	2.43	2.70
1950	.30	.59	.88	1.17	1.47	1.76	2.05	2.34	2.64	2.93
2100	.32	.63	.95	1.26	1.58	1.89	2.21	2.52	2.89	3.15
2250	.34	.68	1.02	1.35	1.69	2.03	2.37	2.70	3.04	3.38
2400	.36	.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24	3.60
2550	.39	.77	1.15	1.53	1.92	2.30	2.68	3.06	3.45	3.83
2700	.41	.81	1.22	1.62	2.03	2.43	2.84	3.24	3.65	4.05
2850	.43	.86	1.29	1.71	2.14	2.57	3.00	3.42	3.85	4.28
3000	.45	.90	1.35	1.80	2.25	2.70	3.15	3.60	4.05	4.50

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Section #7 Pictorial Table Of Contents

Introduction To Accessories

Page 916

How To Order

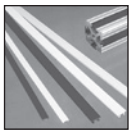
Page 917

End Caps

Pages 918-919

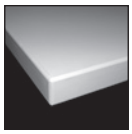
Self Tapping Screws

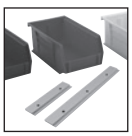
Page 918

T-Slot Covers

Pages 920-921

T-Slot Tread Strips

Page 921

Laminated Table Tops & Kits

Page 922

AkroBins®

Page 923

Cart Guard®

Page 924

Cart Guard® Corners

Page 925

Tool Hangers

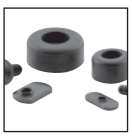
Page 926

Spring Snap Hook

Page 927

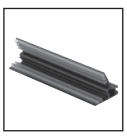
Gravity Roller Mounting Block

Page 927

Rubber Bumpers

Page 928

Nylon T-Slot Nut

Page 928

Plastic Document Holders

Page 929

Label Holders

Page 929

Wiring Duct

Page 930

Wire Ties

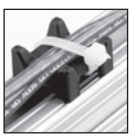
Page 930

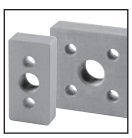
Cable & Tube Clips

Page 931

Tube and Wire Clamps

Page 932

Cable Mount Blocks

Page 933

Pressure Manifold Plates

Pages 934-935

Anodize Breaker

Page 936

Grounding Terminal

Page 936

Power Strips

Page 937

T-Slot Velcro® Fastener

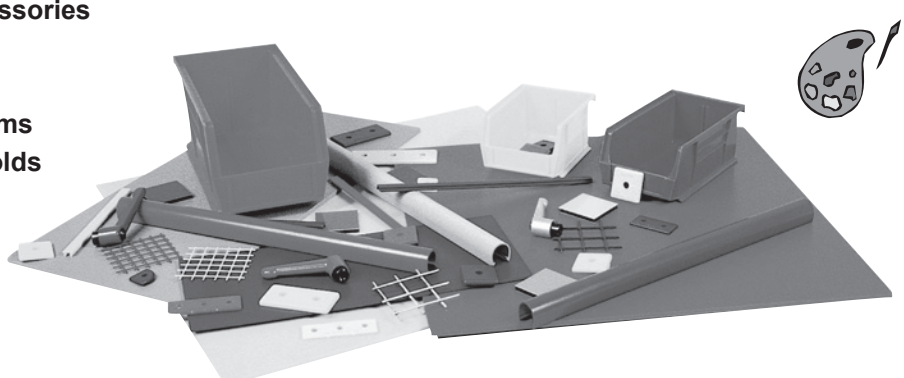
Page 938

Push-In Fastener

Page 938

- Add air and fluid options to your frame
- Ergonomic and adjustable
- Easy to add accessories
- Build your own:
  - Workstations
  - Inventory Systems
  - Pressure Manifolds
  - Work Benches
  - QC Stations
  - Shelving
  - Storage
  - and lots more!

Color Stuff!



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Introduction to Accessories

Section 7 contains all the information needed for adding accessories to your application. The components contained in this section can be used to complete your project and enhance your design.

End caps and T-slot covers enclose the ends of your profile and cover the T-slots. They fit all of our T-slotted profiles and are available in different styles and many colors.

Table tops, which include a bumper edge, increase the flexibility of any workstation or desk.

Cart Guard® can be used to guard your carts! Various colors available.

AkroBins® and shelf bins are an economical way to store and display parts and components in a variety of sizes and colors.

We have accessories of all kinds, including tool hangers and tube clamps. Use the tool hanger to hang air tools, cable reels or transport cables. Single, double and stackable tube clamps attach your tubes and wires of all sizes.

Manifold plates are compatible with most fluids and gases. Select from our 25 Series and 40 Series T-slotted profiles to fit your design. If you need a custom manifold plate, check out our structural shapes, pages 695-709, and call 80/20® or your local distributor for a custom machining quote.

Considerations

- **Custom designs to fit your space constraints**
- **Workstation and desk components to meet the demands and needs of the job at hand**
- **Aesthetically pleasing**
- **End or side mounts for manifold plates, even CUSTOM plates (our specialty)**
- **Accessories to compliment your design even more**
- **COLORS! COLORS! COLORS!**
- **One-stop shopping!…only at 80/20®**

Legend for Icons

This part is available in several colors

This part can use double economy T-nuts.
See page 757.

How to Order 80/20® Accessories

Ordering accessories is a simple process; just list the part number, quantity, and a brief description of the accessory (see example order below). When you purchase accessories that require cut-to-length services, please include those charges with the complete order. Many parts have color choices; be sure to indicate the desired color when ordering. If ordering a manifold that mounts on the side, please send a drawing of the profile with your order. And remember to order an aluminum container hanger for each AkroBin® ordered.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/UOM	Ext. Price
1	25-2525	2	469.9mm	25-7042 in A both ends	$0.01	$7.89
	40-4040-Lite-4m	5	4 m	Full length profile	$80.00	$400.00
	40-8016	4	1016.0mm	40-7029 one end	$0.14	$554.74
	40-8080	4	914.4mm	40-7050 style MG in W, X both ends	$0.06	$230.43
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	65-2611	1	.63 sm	6mm bronze polycarb 1 @ 457.2mm x 1016mm w/ 25-7311 per drawing	$111.95	$70.53
4	65-7150	1		Cut plastic panels all sides < -1220mm	$10.50	$10.50
	25-7042	4		25 Series anchor fastener counterbore	$2.25	$9.00
	25-7005	2		Cut-to-length for 25-2525	$1.95	$3.90
	40-7023	4		Cut-to-length for 40-8016	$2.90	$11.60
	40-7030	4		Cut-to-length for 40-8080	$2.60	$10.40
	40-7050	64		40 Series drill access hole	$1.95	$124.80
	40-7029	4		5/16-18 tap service for 40-8016	$15.20	$60.80
	25-7311	2		Anchor fastener notch for 25 Series	$0.53	$1.06
5	40-3891	32		40 Series M8 bright zinc end fastener w/ screw	$1.65	$52.80
	25-2114	16		Gray T-Slot covers for 25 Series	$3.45	$55.20
	40-2050	8		End caps for 40-8080	$1.85	$14.80
	25-3896	4		25 Series anchor fasteners	$3.10	$12.40
	40-1982	5		40 Series M8 bright zinc double economy T-nut	$0.84	$4.20
	25-4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	75-3404	24		25 Series M6 BHSCS & economy T-nut	$0.45	$10.80

TOTAL $1739.25

NOTE: Prices shown for illustration use only. Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

End Caps

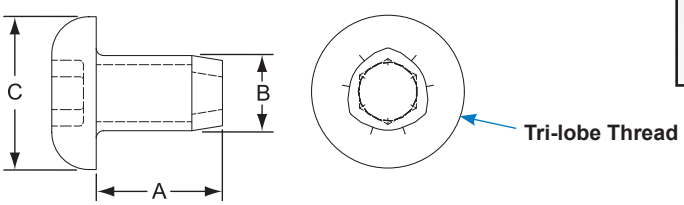
- **25 and 40 Series compatible**
- **Can be mounted with M6 or M8 screws or self-tapping screws (see below). See page 1029-1030 for tapping service**
- **Made of molded black ABS**
- **For use with T-slotted profiles**
- **Gives your project the finishing touch**

Push-In Fasteners Included

Part No.	Description	Size (mm)	kg.
25-2015	25-2525 End Cap	25 x 25 x 3.0	.002
25-2025	25-2550 End Cap	25 x 50 x 3.0	.005
25-2028	25-5050 End Cap	50 x 50 x 3.0	.009
40-2030	40-4040/40-4040 Lite End Cap	40 x 40 x 4.5	.007
40-2033	40-4030-Lite End Cap	40 x 40 x 4.5 1/4 Round	.006
40-2035	40-4045-Lite End Cap	40 x 40 x 4.5, 45°	.006
40-2045	40-4080/40-4080 Lite End Cap	40 x 80 x 4.5	.014
40-2050	40-8080 End Cap	80 x 80 x 4.5	.030
25-2015-Plain	25-2525 Plain End Cap	25 x 25 x 3.0	.002
25-2025-Plain	25-2550 Plain End Cap	25 x 50 x 3.0	.005
25-2028-Plain	25-5050 Plain End Cap	50 x 50 x 3.0	.009
40-2030-Plain	40-4040/40-4040 Lite Plain End Cap	40 x 40 x 4.5	.007
40-2035-Plain	40-4045 Lite Plain End Cap	40 x 40 x 4.5, 45°	.006
40-2045-Plain	40-4080/40-4080 Lite Plain End Cap	40 x 80 x 4.5	.014
40-2050-Plain	40-8080 Plain End Cap	80 x 80 x 4.5	.030

Self-Tapping Screws for Use with End Caps

- **Secure end caps without machining**
- **Button head provides finished look**
- **Tri-lobe (thread rolling) screws provide a clean, strong thread and drive easier than other self-tapping screws**

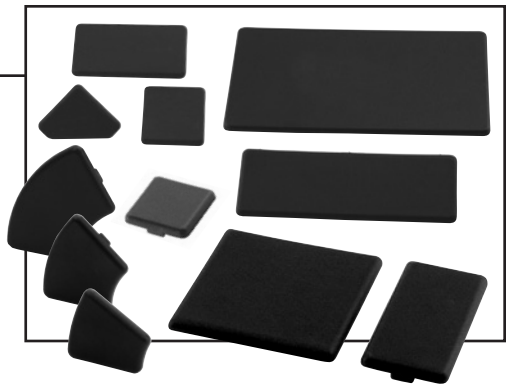


Part No.	Type	Finish	Thread	A	B	C	kg.	Compatibility Code
25-3266	Self-Tapping Metric	Black	#12-24	9.52	5.38	11.10	.0027	6-25
25-3766		Bright	#12-24	9.52	5.38	11.10	.0027	6-25
40-3267		Black	M7 x 1.0	9.52	6.88	11.10	.0036	8-40
40-3767		Bright	M7 x 1.0	9.52	6.88	11.10	.0036	8-40

End Caps

Nylon, Black, Plain

- **Push-on, no fastener required**
- **Finish off your assemblies by installing end caps on exposed T-slot ends**

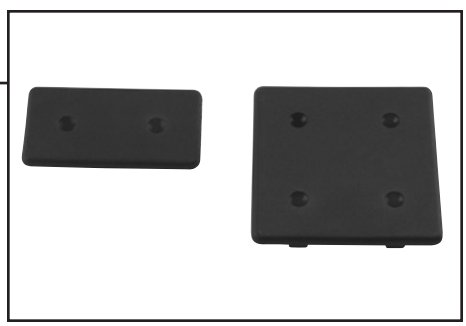


Part No.	L x W (mm)	Slot Tab	kg.	Compatibility Code*
12305	20 x 20	5.00	.0015	5-20
12306	20 x 40		.0023	
12307	40 x 40		.0045	
12271	30 x 30	8.00	.0035	8-30
12302	30 x 60		.0077	
12303	60 x 60	–	.0154	
12258	45° - 40 x 40	8.00	.0015	8-40
12260	40 x 40		.0035	
12261	40 x 80		.0100	
12290	40 x 120		.0204	
12298	80 x 160		.0585	
40-2037	30° - 40 x 40 x 4.0	–	.0390	8-40 (40-4093 Profile)
40-2039	45° - 42 x 59 x 4.0		.0590	8-40 (40-4094 Profile)
40-2043	60° - 44 x 77 x 4.0		.0780	8-40 (40-4096 Profile)
12262	45 x 45	10.00	.0100	10-45
12259	45 x 90		.0195	
12269	90 x 90	–	.0513	

Screw-On End Caps

Nylon, Black, Plain

- **M4 x 12mm FHSCS spreads pin to secure end cap**
- **No tap in profile end required**



Part No.	L x W (mm)	Slot Tab	Hardware Required	kg.	Compatibility Code*
12279	30 x 60	8.00	(2) 11-4712	.0073	8-30
12283	45 x 45	10.00	(1) 11-4712	.0095	10-45
12286	45 x 90		(2) 11-4712	.0172	
12287	90 x 90		(4) 11-4712	.0340	

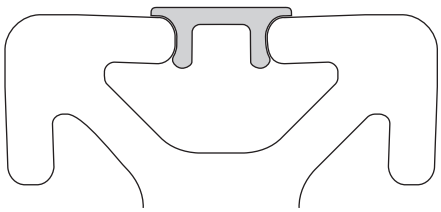
* See Compatibility Code information on page 833.

80/20® Inc.
The Industrial Erector Set®
THE STANDARD

* See Compatibility Code information on page 833.

Standard T-Slot Covers

- Stock length =1841.50mm
- OSHA friendly
- Cover wires and tubes in T-slots
- Makes a great dust cover for T-slots
- Available in black, gray and high-visibility yellow

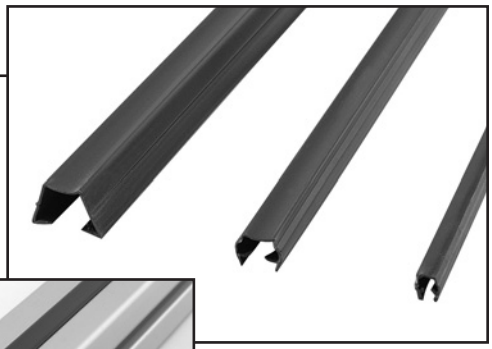


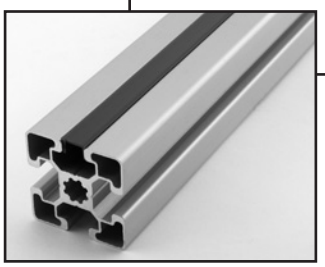
Part No.	Description	kg.
25-2112	Safety Yellow T-Slot Cover - 25 Series	.096
25-2113	Black T-Slot Cover - 25 Series	.096
25-2114	Gray T-Slot Cover - 25 Series	.096
40-2109	Safety Yellow T-Slot Cover - 40 Series	.121
40-2110	Black T-Slot Cover - 40 Series	.121
40-2111	Gray T-Slot Cover - 40 Series	.121

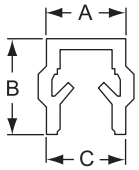
T-Slot Covers

Polypropylene, Black

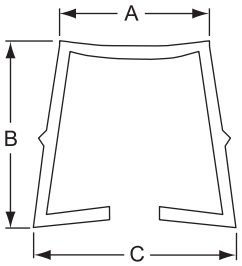
- 20, 30 and 45 series compatible
- Sold in standard lengths of 2m (78.74")







12004
12005



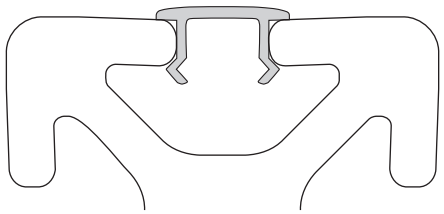
12013

Part No.	Color	A	B	C	kg.	Compatibility Code*
12004	Black	5.00	6.30	6.00	.018	5-20
14193		8.20	8.80	10.20	.050	8-30
12013		10.20	12.80	13.70	.068	10-45
12005	Natural	5.00	6.30	6.00	.018	5-20

We specialize in FAST™ same day shipments!

* See Compatibility Code information on page 833.

Economy T-Slot Covers

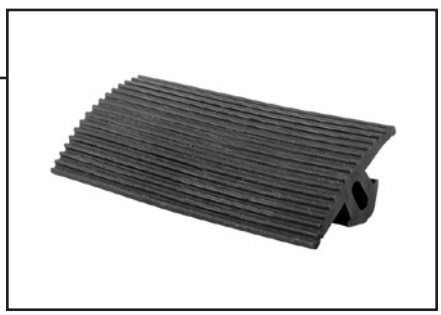


- 25, 40 and 45 Series compatible
- Cover wires and tubes in T-slots
- Cuts easily with metal shears
- Stock length = 1841.50mm
- Presses easily into T-slots
- Available in red, blue, black, gray, yellow and orange

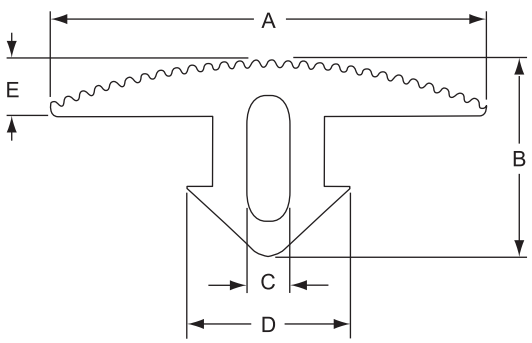
Part No.	Description	mm (in)	kg.	Compatibility Code*
25-2816	Orange - 25 Series	1841.50 (72.5)	.024	6-25
25-2817	Blue - 25 Series			
25-2818	Red - 25 Series			
25-2819	Safety Yellow - 25 Series			
25-2820	Black - 25 Series			
25-2821	Gray - 25 Series			
40-2822	Safety Yellow - 40 Series		.051	8-40
40-2823	Black - 40 Series			
40-2824	Gray - 40 Series			
40-2825	Red - 40 Series			
40-2826	Blue - 40 Series			
40-2827	Orange - 40 Series			
14107	Black - 45 Series	2000.00 (78.7)	.118	10-45
14108	Yellow - 45 Series			
14110	Gray - 45 Series			
14121	Blue - 45 Series			
14123	Red - 45 Series			

T-Slot Tread Strip

NBR Rubber, Black



- Press-fits in any 8mm wide T-slot
- Anti-slip ribbed surface on top side
- Sold by the meter, maximum length 20m

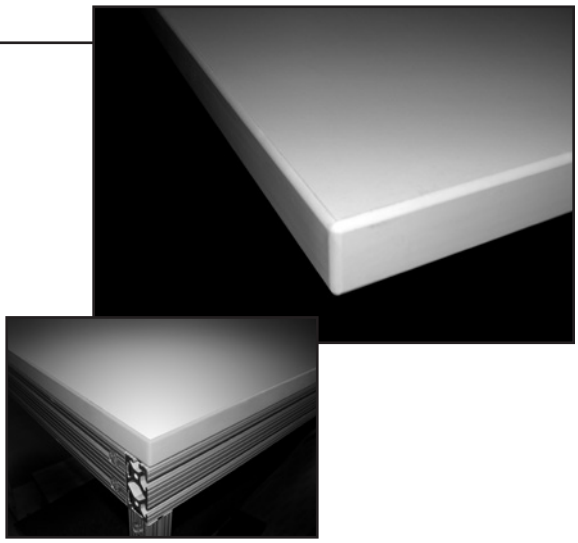


Part No.	Slot Tab	A	B	C	D	E	kg/meter	Length	Compatibility Code*
12006	8.00	31.10	13.10	8.50	12.00	4.00	.2087	Sold by the meter	8-30, 8-40

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

Laminated Table Tops

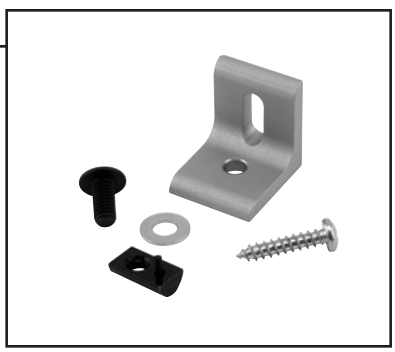
- **Quality 31.75mm high-pressure laminate table tops**
- **The perfect choice for completing your custom workstation**
- **Available in gray color**
- **3mm PVC bumper edge coordinates with table color**



Part No.	Size	kg.
65-2800	762.00 x 1219.20 x 31.75 mm	22.680
65-2802	762.00 x 1524.00 x 31.75 mm	28.577
65-2804	762.00 x 1828.80 x 31.75 mm	34.020
65-2806	914.40 x 1828.80 x 31.75 mm	40.824

Table Top Fastening Kit

- **Fastening kit includes:**
  - **1 - 40-4295 - 40 Series slotted inside corner bracket**
  - **1 - 13-8316 - M8 x 16mm BHSCS**
  - **1 - 40-1986 - M8 Series drop-In T-nut**
  - **1 - 19-6042 - M8 bright zinc washer**
  - **1 - #14 x 1 1/4" Phillips pan head sheet metal screw**

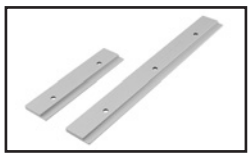


Part No.	Description	kg.
65-2810	Table Top Fastening Kit	.152

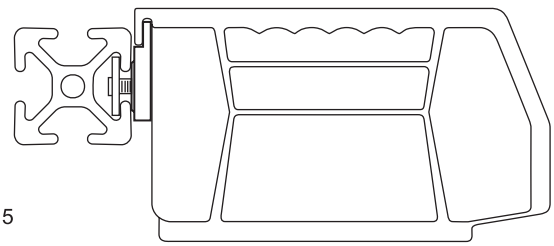
We specialize in FAST™ *same day shipments!*

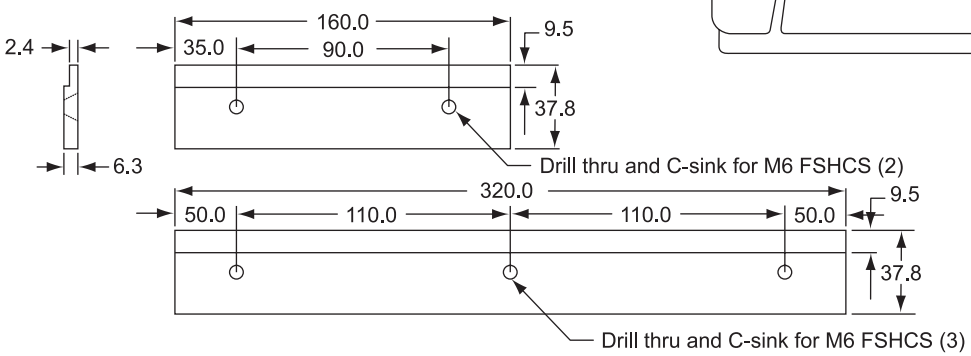
AkroBins®

- 25 and 40 Series compatible
- Bins hang from aluminum container hanger that mounts to T-slot (hardware included)
- Polypropylene storage bins that hang or stack
- Develop your own customized storage system
- AkroBins are made in the USA
- Choose from six sizes
- Large label slot
- In stock for immediate shipment
- Available in red, blue or yellow (specify color when ordering)



Aluminum
Container Hangers



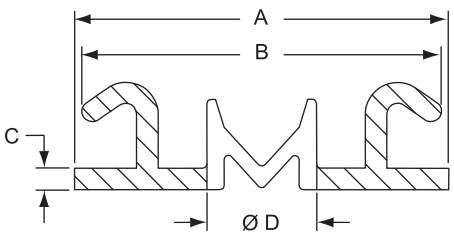


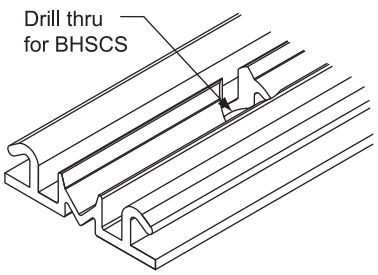
	Outside Dimensions			Inside Dimensions			kg.
Part No.	L	W	H	L	W	H	—
65-2230	136.50	104.80	76.20	120.70	87.30	71.40	.054
65-2240	187.30	104.80	76.20	171.50	87.30	71.40	.113
65-2250	276.20	139.70	127.00	260.40	111.10	120.70	.286
65-2270	276.20	279.40	127.00	260.40	254.00	120.70	.438
65-2271	273.10	209.60	177.80	254.00	166.70	171.50	.524
65-2272	374.70	209.60	177.80	355.60	166.70	171.50	.983
65-2264	160mm aluminum container hanger includes mounting hardware						.095
65-2265	320mm aluminum container hanger includes mounting hardware						.188

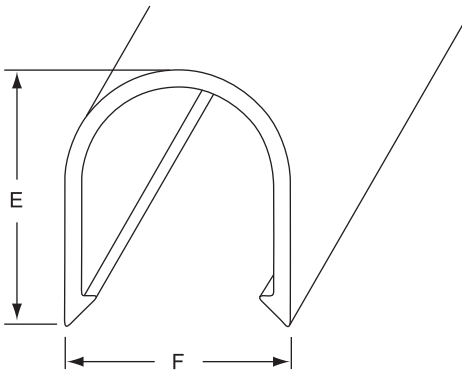
80/20® Inc.
The Industrial Erector Set®
THE STANDARD

Cart Guard®

- 25 and 40 Series compatible
- 25.40mm x 25.40mm flexible PVC bumper protects your stuff
- Stock colors available include black, red, blue and gray
- Bolt-on mounting base allows Cart Guard to snap to your frame
- Stock length 3657.60mm
- Refer to page 1029 for cut-to-length services







Part No.	Description	A	B	C	ØD	E	F	BSHCS
65-2854	Mounting Base	22.23	21.34	1.60	6.53	N/A	N/A	M6
65-2855	Black Cover	N/A	N/A	N/A	N/A	24.13	25.40	N/A
65-2856	Gray Cover							
65-2857	Red Cover							
65-2858	Blue Cover							

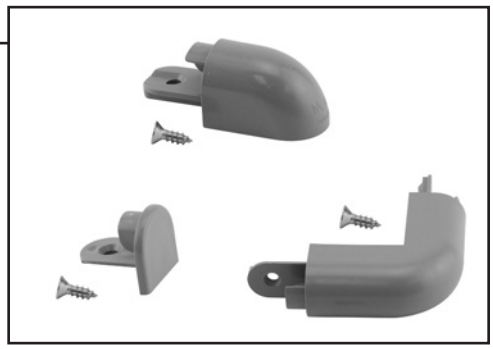
Bolt Kits	Series
75-3405*	25 and 40 Series

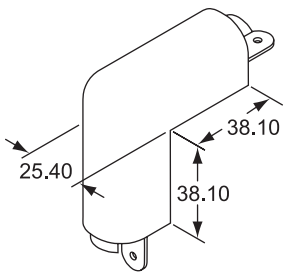
***NOTE:** Mounting Base Part No. 65-2854 requires one (1) **75-3405** for every 102mm of Cart Guard.

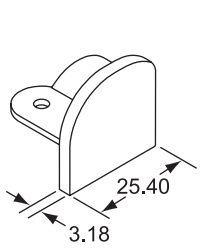
We specialize in FAST™ same day shipments!

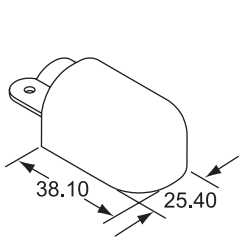
Cart Guard® Corners

- **Cap off your Cart Guard bumpers**
- **Square end, round end, 90° corner options**
- **Available in matching Cart Guard colors**
- **Mounting hardware included**







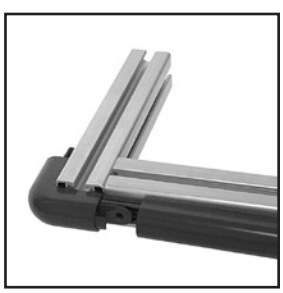


Color	Corner	Square	Round
Black	65-2867	65-2863	65-2859
Gray	65-2868	65-2864	65-2860
Red	65-2869	65-2865	65-2861
Blue	65-2870	65-2866	65-2862

Helpful Hints:

If you are applying Cart Guard to an application, choose the profiles that will be connected to the Cart Guard. Use the information below to determine the lengths of your Cart Guard and Mounting Base according to the “Corners” you are using. If you are using the…

1. Square End Cart Guard Corner, you will need to:
   - Order a piece of Cart Guard which is 6.35mm less than your covered length.
   - Order a piece of Mounting Base which is 6.35mm less than your profile length.
2. Round End Cart Guard Corner, you will need to:
   - Order a piece of Cart Guard which is 76.20mm less than your covered length.
   - Order a piece of Mounting Base which is 25.40mm less than your profile length.
3. 90 Degree Cart Guard Corner, you will need to:
   - Order a piece of Cart Guard which is 76.20mm less than your covered length.
   - Order a piece of Mounting Base which is the same length as the profile.



Step-by-Step Installation:

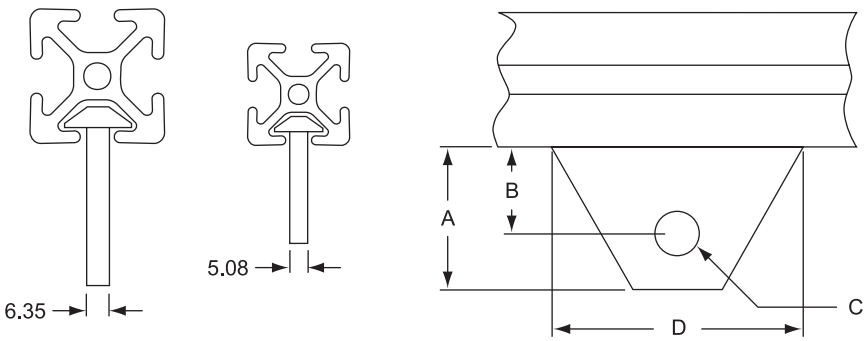
❶ Bolt Mounting Base to profile with recommended fasteners.
❷ Place “corners” on the ends with supplied flathead screws.
❸ Snap on Cart Guard.

80/20® Inc.
The Industrial Erector Set®
THE STANDARD

* See Compatibility Code information on page 833.

Tool Hangers

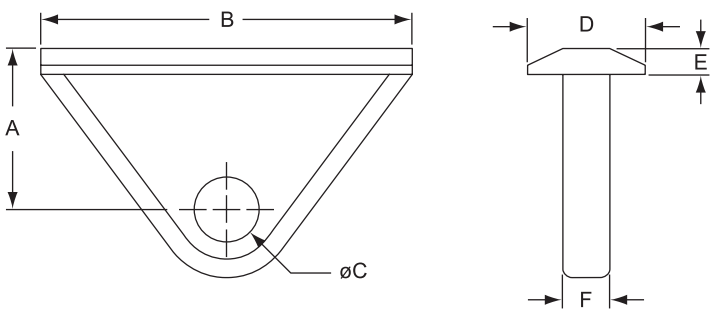
- 25 and 40 Series compatible
- Made of high-strength black nylon
- Ideal for hanging air tools, cable reels, heavy door panels or transporting cables
- Slides into 6mm and 8mm wide profile slots and moves easily in the T-slot
- 68 kg. capacity



Part No.	Description	A	B	C	D	kg.
25-2099	Tool Hanger 25 Series	27.94	17.42	8.30	50.80	.008
40-2100	Tool Hanger 40 Series	40.64	26.67	12.70	76.20	.025

Tool Hanger
Nylon, Black

- Slides in the T-slot of 30 or 45 Series profiles
- The snap hook mounts in the hanger hole
- Great for hanging and positioning tools, reels and cables



Part No.	Description	A	B	C	D	E	F	kg.	Compatibility Code*
12016	Tool Hanger	26.00	60.00	10.50	15.00	4.20	8.00	.009	8-30
12015					19.00				10-45

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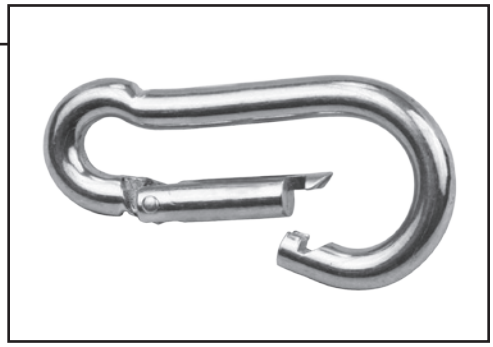
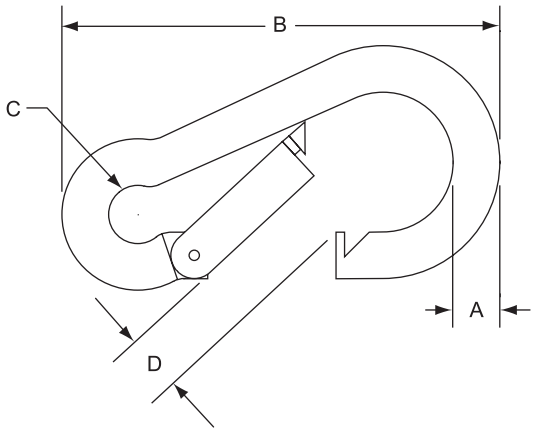
Spring Snap Hook

- **Easy to change tools/devices**
- **Strong, 249.48 kg. breaking strength**
- **Made of electro-galvanized mild steel**
- **Shown with tool hanger, page 926**



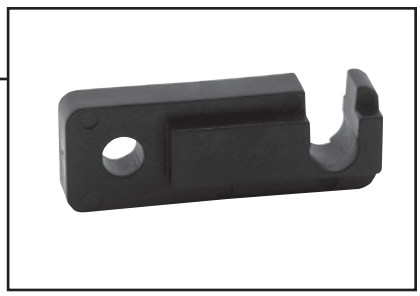


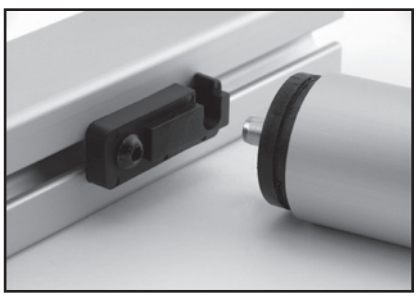
Part No.	Description	A	B	C	D	kg.
65-2108	Spring Snap Hook	6.35	60.32	7.92	7.92	.027

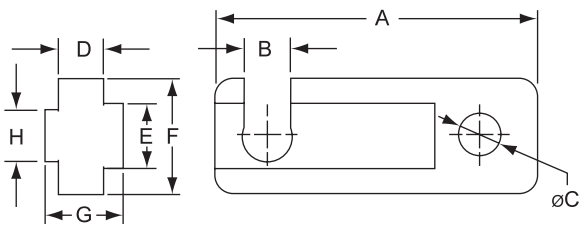
Gravity Roller Mounting Block

Fiberglass-Reinforced Nylon, Black

- **Roller pin snaps in/out**
- **Reverses to fit slot 8/10 profiles**
- **Use with gravity rollers on page 1134**







Recommended Mounting Hardware:

Part No.	Series	Qty	Description
75-3601	40	1	M6 x 14mm BHSCS & Drop-In T-nut
75-3482	45	1	M6 x 18mm BHSCS & Drop-In T-nut

Part No.	A	B	C	D	E	F	G	H	kg.	Compatibility Code*
12167	50.00	7.20	6.50	7.00	10.00	18.00	12.00	8.00	.008	8-15, 8-40, 10-45

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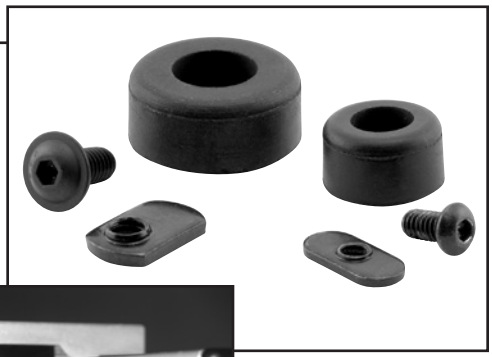
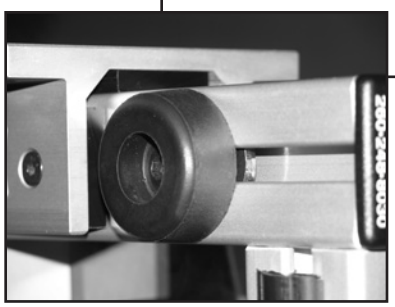
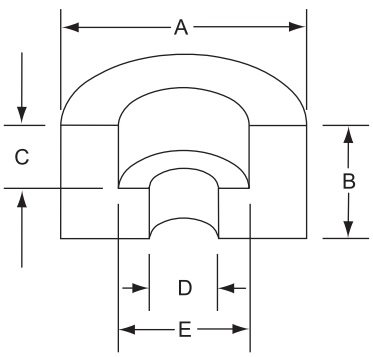
Rubber Bumper

- 25 or 40 Series compatible
- Bolts to T-slot with included hardware
- Made of styrene butadiene rubber
- Can be used as door stops, shock mounts, vibration dampeners







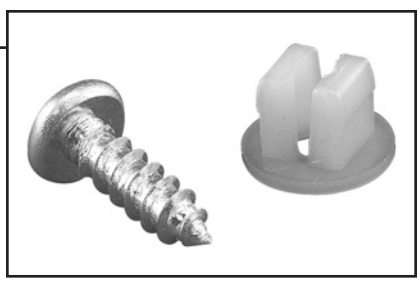
Mounting Hardware (Included):

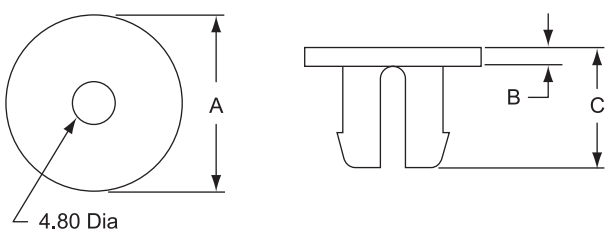
Bumper Part No.	Qty	Hardware Description
25-2850	1	M6 x 16mm BHSCS & Economy T-Nut
40-2849	1	M8 x 20mm FBHSCS & Economy T-Nut

Part No.	Description	A	B	C	D	E	kg.
25-2850	Styrene Butadiene Bumper	25.40	14.30	7.90	7.10	13.50	.024
40-2849		38.10	15.90	8.70	7.90	14.00	.040

Nylon T-Slot Nut

- 40 Series compatible
- Light-duty fastening method for 40 Series accessories
- Remains in place even in vertical applications
- Tightening the #12 sheet metal screw expands the nut into the T-slot





Part No.	Description	Quantity	A	B	C	kg.
40-3348	T-Slot Nuts w/screws	12 per bag	14.40	1.50	8.30	.140 bag
40-3346	T-Slot Nuts only	50 per bag	14.40	1.50	8.30	.032 bag

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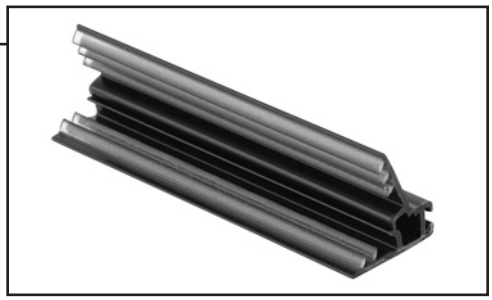
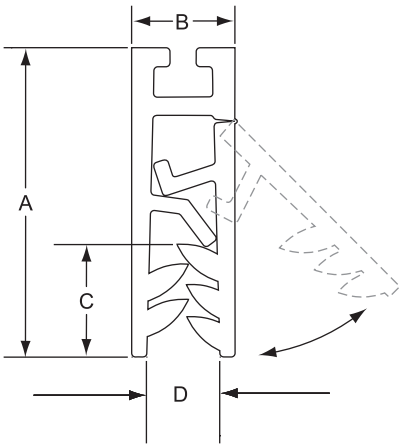
Plastic Document Holder



- Snaps shut to hold documents securely
- Holds paper, vinyl and fabric up to 1.0mm thick
- Available in black PVC
- Adhesive peel & stick strip backing
- Adheres to most materials



Part No.	Standard Length	Description	A	B	C	D	kg.
65-2851	76.20	Adhesive Mount Document Holder	20.60	7.20	8.70	4.40	.008
65-2852	558.80		20.60	7.20	8.70	4.40	.062

Label Holders

- Snaps into T-slot of 25, 30 and 40 Series profiles
- Heavy-duty clear plastic with non-glare finish
- Sold in packs of 25

Part No.	Description	Size - mm	kg.	Units	Compatibility Code
25-2843	T-Slot Label Holder	25.4 x 76.2	.012	Per Pkg. of 25	6-10, 6-25
25-2844		25.4 x 152.4	.024		
40-2845		50.8 x 101.6	.031		8-15, 8-30, 8-40
40-2846		50.8 x 152.4	.046		

* See Compatibility Code information on page 833.

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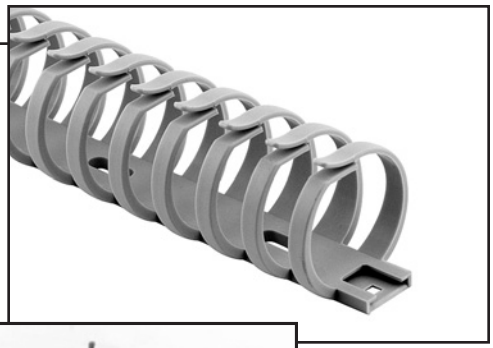
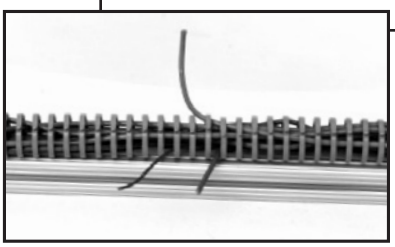
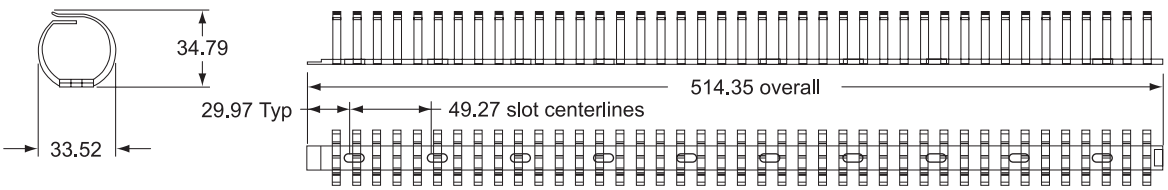
Wiring Duct

- **25 and 40 Series compatible**
- **Strips interlock for end-to-end attachment**
- **Available in gray**
- **Interlocked length 500mm**
- **Overlapping fingers mean no separate cover and no sharp edges**







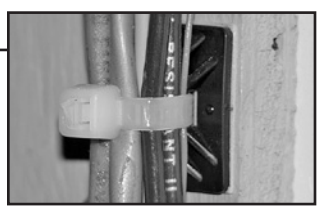
Part No.	Description	kg.
65-2899	Wire Duct	.024

Mounting Hardware	Series
(4) 75-3537	25 Series
(4) 75-3539	40 Series

7

Wire Ties

- **Organizes tubing and wires**
- **Compatible with all profile series**
- **Sold in packages of 100 ties**
- **High tensile strength**
- **Color: black**



Recommended Mounting Hardware (Mount to T-Slot):

Part No.	Qty	Description
3059	1	1/4-20 x 3/8" BHSCS
AND		
3382	1	1/4-20 Economy T-Nut

Part No.	Length	Description	Quantity
2890	6.000	18 Lb. UV Black Wire Ties	100 Per Package
2891	8.000	40 Lb. UV Black Wire Ties	
2892	11.000	50 Lb. UV Black Wire Ties	
2893	—	.750 Mounting Pads	
2894	—	1.000 Mounting Pads	
2895	—	1/4 Inch Screw Mounting Pads	

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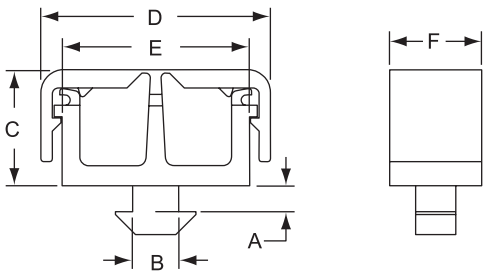
Cable & Tube Clip, 1/4 Turn

Fiberglass Reinforced Nylon, Black

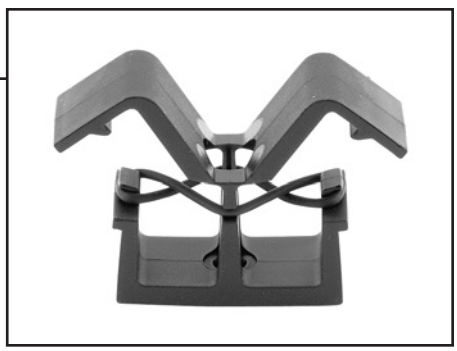
- **15, 30, 40 and 45 Series compatible**
- **Attach cable or tube without the need for cable ties**
- **Can be opened and closed repeatedly**
- **Twist 1/4 turn to lock in T-slot**



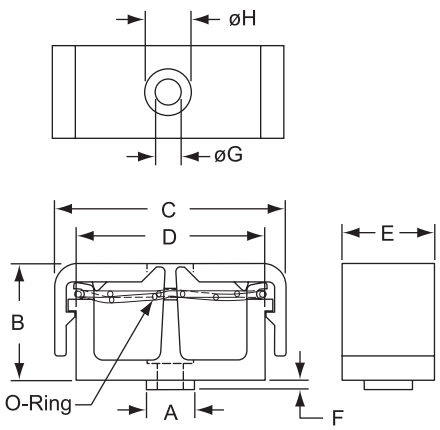
Part No.	A	B (Slot Tab)	C	D	E	F	kg.	Compatibility Code*
12321	2.00	8.00	20.00	40.00	32.60	16.00	.009	8-30
12319	4.50	8.00					.007	8-15, 8-40
12320	5.80	10.00					.009	10-45

Cable & Tube Clip

Fiberglass Reinforced Nylon, Black



- **15, 30, 40 and 45 Series compatible**
- **Attach cable or tube without the need for cable ties**
- **Can be opened and closed repeatedly**



Recommended Mounting Hardware (Mount to Profile):

Part No.	Series	Qty	Description
75-3560	15, 40	1	M4 x 12mm SHCS & Drop-In T-nut
75-3561	30	1	M4 x 12mm SHCS & Drop-In T-nut
75-3563	45	1	M4 x 12mm SHCS & Drop-In T-nut

Part No.	A (Slot Tab)	B	C	D	E	F	G	H	kg.	Compatibility Code*
12025	None	20.00	40.00	32.60	16.00	1.60	4.50	8.00	.009	8-15, 8-30, 8-40, 10-45
12026	8.00									8-15, 8-30, 8-40
12027	10.00									10-45

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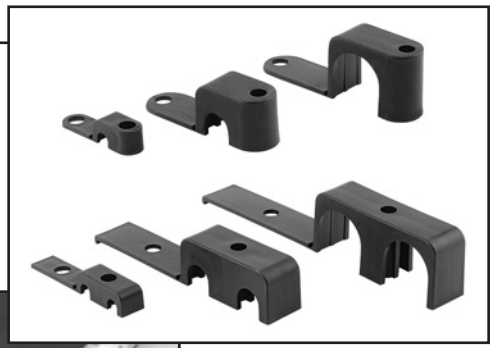
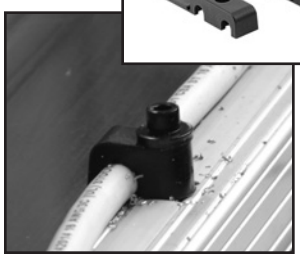
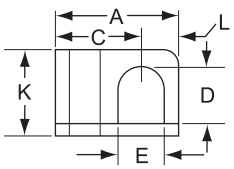
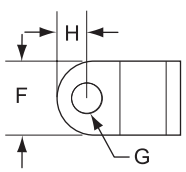
Tube and Wire Clamps

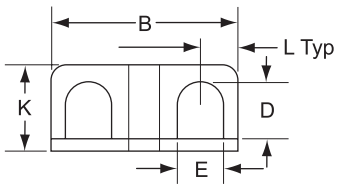
- 25 and 40 Series compatible
- Attaches easily to T-slots
- Organizes tubing and wires
- Made from tough black polypropylene
- Resists oils, chemicals and acids
- Stackable design
- High strength — low cost

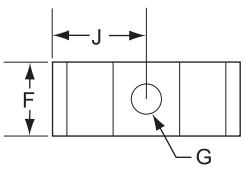












Part No.	Tube Size	A	B	C	D	E	F	G	H	J	K	L	kg.
Single Clamp													
65-2500	3.10	22.20	—	15.50	3.00	3.10	12.00	6.30	6.30	—	12.50	6.80	.0020
65-2501	6.30	22.20	—	15.50	6.00	6.30	12.00	6.30	6.10	—	12.50	6.70	.0020
65-2502	9.50	27.00	—	18.00	9.10	9.50	16.00	6.30	6.80	—	17.00	8.50	.0040
65-2503	12.70	34.00	—	22.00	15.00	12.70	20.00	6.30	6.30	—	24.20	11.90	.0070
65-2504	19.00	42.00	—	26.00	19.00	19.00	20.00	6.30	6.30	—	32.00	15.70	.0100
65-2505	25.40	42.00	—	26.00	24.10	25.40	20.00	6.30	6.30	—	32.00	16.40	.0090
Double Clamp													
65-2506	3.10	—	30.90	—	3.00	3.10	12.00	6.30	6.30	15.20	12.50	6.50	.0020
65-2507	6.30	—	30.90	—	6.00	6.30	12.00	6.30	6.10	15.20	12.50	6.50	.0030
65-2508	9.50	—	42.00	—	9.10	9.50	16.00	6.30	6.80	20.30	17.00	8.70	.0050
65-2509	12.70	—	53.10	—	15.00	12.70	20.00	6.30	6.30	26.60	24.20	11.50	.0110
65-2510	19.00	—	70.00	—	19.00	19.00	20.00	6.30	6.30	34.50	32.00	15.90	.0160
65-2511	25.40	—	70.00	—	24.10	25.40	20.00	6.30	6.30	34.90	32.00	15.90	.0120

Recommended Mounting Hardware*						
Part No.	65-2500	65-2501	65-2502	65-2503	65-2504	65-2505
	65-2506	65-2507	65-2508	65-2509	65-2510	65-2511
25 Series	**75-3413**	**75-3415**	**75-3414**	**75-3416**	**75-3417**	**75-3417**
40 Series	**75-3414**	**75-3414**	**75-3415**	**75-3416**	**75-3418**	**75-3418**

* Bolt kits are for unstacked tube clamps. All kits consist of M6 SHCS and economy T-nut.

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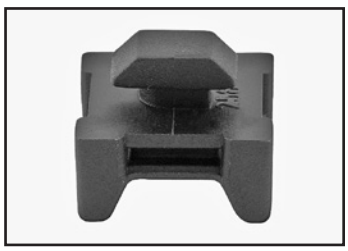
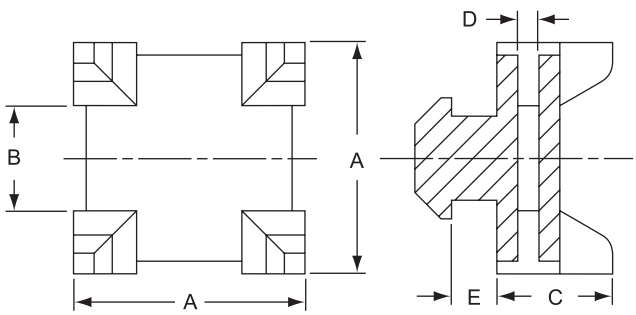
Cable Mount Block, 1/4 Turn

Fiberglass-Reinforced Nylon, Black

- **10, 15, 25, 30, 40 and 45 Series compatible**
- **See below for a selection of wire ties**
- **Attach cable ties to block in two directions**
- **Twist 1/4 turn to lock in T-slot**





Part No.	A	B	C	D	E	Slot Tab	kg.	Compatibility Code*
12314	22.00	10.00	11.00	2.00	2.50	6.80	.0035	6-10, 6-25
12317					2.00	8.00	.0076	8-30
12316					4.30	8.00	.0040	8-15, 8-40
12315					5.80	10.00	.0076	10-45

* See Compatibility Code information on page 833.

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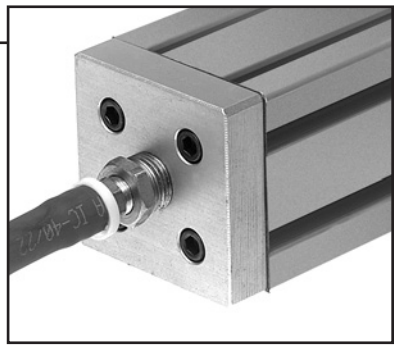
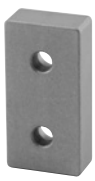
Pressure Manifold Plates



- 25 and 40 Series compatible
- Includes all mounting hardware and gaskets
- Made of 6105-T5 clear anodized aluminum
- Make your own custom manifolds;
  See pages 695-709 for Structural Shapes
- Pressurize your machine frame
- Compatible with most fluids and gases
- 150 p.s.i. maximum pressure
- See page 1029 for profile end tapping service
  and page 1040 fo drill thru

25 Series


25-2341

25-2439

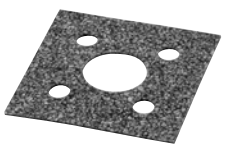
25-2151

25-2451

25-2349

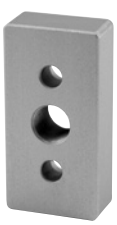
25-2159

25-2152


25-2154

40 Series

40-2340


40-2150

40-2450

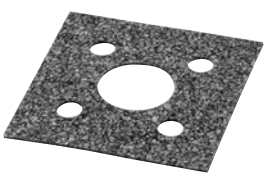
40-2441

40-2440

40-2350

40-2160

40-2153


40-2155

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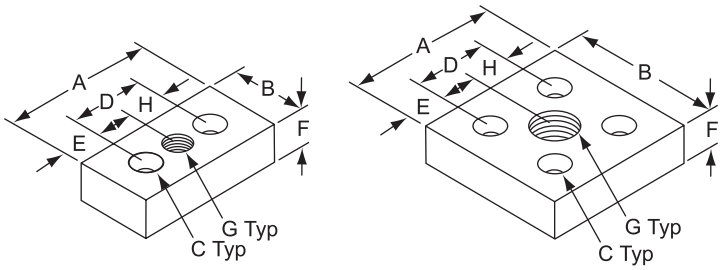
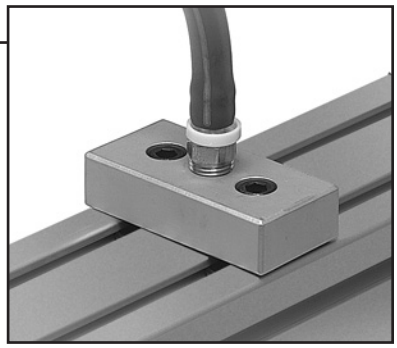
Pressure Manifold Plates continued





- Plates are supplied with either o-rings bonded in place or gaskets shipped loose
- O-ringed plates are mounted to the profile's T-slotted side to completely seal a hole, or seal a hole where air is to be released
- Gasketed plates are mounted to the profile's end to completely seal the end, or seal the end where air is to be released
- CR-20 is a cork and synthetic rubber material manufactured by Global Technology Systems

Part No.	A	B	C	D	E	F	G	H
25 Series								
25-2151	50.00	25.00	Drill thru and C-bore for M6 SHCS	25.00	12.50	12.00	1/4" NPT	12.50
25-2159	50.00	50.00		25.00	12.50	12.00	3/8" NPT	12.50
25-2341	50.00	25.00		25.00	12.50	12.00	—	—
25-2349	50.00	50.00		25.00	12.50	12.00	—	—
25-2439	50.00	25.00		25.00	12.50	12.00	1/8" NPT	12.50
25-2451	50.00	25.00		25.00	12.50	12.00	—	—
40 Series								
40-2150	80.00	40.00	Drill thru and C-bore for M8 SHCS	40.00	20.00	19.00	3/8" NPT	20.00
40-2160	80.00	80.00		40.00	20.00	19.00	1/2" NPT	20.00
40-2340	80.00	40.00		40.00	20.00	19.00	—	—
40-2350	80.00	80.00		40.00	20.00	19.00	—	—
40-2440	80.00	40.00		40.00	20.00	19.00	1/4" NPT	20.00
40-2441	80.00	40.00		40.00	20.00	19.00	3/8" NPT	20.00
40-2450	80.00	40.00		40.00	20.00	19.00	—	—

Replacement Gaskets and O-Rings				
	Gasket		O-Ring	
Size	Part No.	Material Finish	Part No.	Material Finish
25 x 50	25-2152	CR-20	25-2157	Buna-N
50 x 50	25-2154	CR-20	—	—
40 x 80	40-2153	CR-20	40-2156	Buna-N
80 x 80	40-2155	CR-20	—	—

Part No.	Description	Size in mm	NPT	Mounting Location	kg.
25-2341	Blank P. M. Plate	25 x 50	—	Profile End	.0410
25-2439	Tapped P. M. Plate	25 x 50	1/8"	Profile Side	.0360
25-2151	Tapped P. M. Plate	25 x 50	1/4"	Profile End	.0340
25-2451	Blank P. M. Plate	25 x 50	—	Profile Side	.0410
25-2349	Blank P. M. Plate	50 x 50	—	Profile End	.0790
25-2159	Tapped P. M. Plate	50 x 50	3/8"	Profile End	.0730
40-2340	Blank P. M. Plate	40 x 80	—	Profile End	.1710
40-2450	Blank P. M. Plate	40 x 80	—	Profile Side	.1830
40-2150	Tapped P. M. Plate	40 x 80	3/8"	Profile End	. 1570
40-2441	Tapped P. M. Plate	40 x 80	3/8"	Profile Side	.1760
40-2440	Tapped P. M. Plate	40 x 80	1/4"	Profile Side	.1760
40-2350	Blank P. M. Plate	80 x 80	—	Profile End	.3450
40-2160	Tapped P. M. Plate	80 x 80	1/2"	Profile End	.3260

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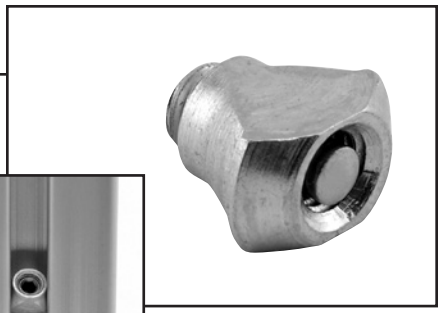
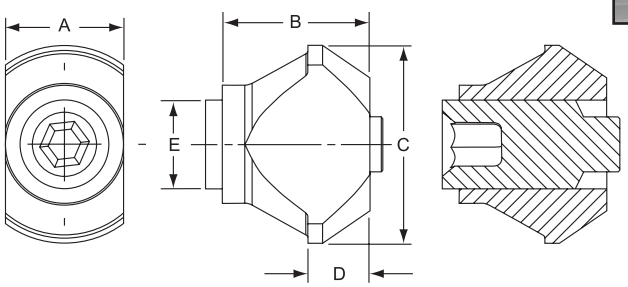
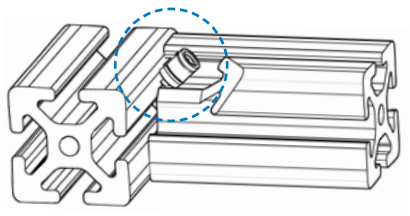
Anodize Breaker
Zinc-Plated Steel

- **Penetrates anodizing to provide grounding continuity between 40 Series profiles**
- **Twist breaker into the T-slot, tilt at 45° angle, then drive the M6 set screw into the seam of the mating profiles**



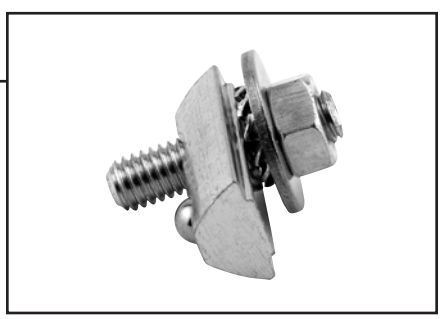


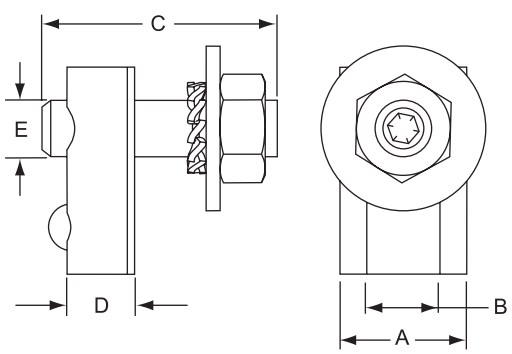


Part No.	A	B	C	D	E	kg.	Compatibility Code*
12328	8.00	10.00	13.40	3.20	M6	.0052	8-15, 8-40

Grounding Terminal
Zinc-Plated Steel/Brass

- **For use in applications such as electronics assembly, where electrostatic charges must be avoided**
- **Creates a conductive connection to T-slotted profiles**



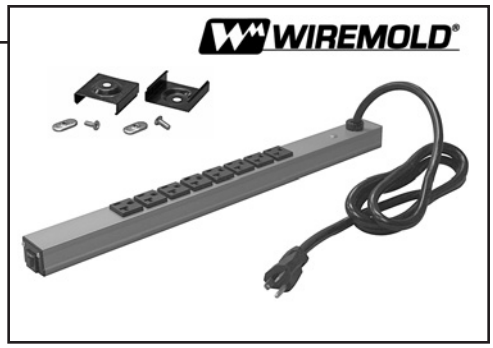


Part No.	A	B	C	D	E	kg.	Compatibility Code*
12300	13.50	7.80	25.00	7.20	M6	.019	8-15, 8-40

* See Compatibility Code information on page 833.

Power Strips

- **Mounting clips and hardware are included**
- **All units are UL and ULC recognized components except as noted**
- **No machining necessary — mounting clips attach to T-slots**



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Part No.	Description	Power Requirements	Cord Length	Surge Protection
2676	20" Long, 8 Outlet, Wiremold® Power Strip	15 amp	6 ft.	No
2670	13" Long, 4 Outlet, Wiremold® Power Strip	20 amp	6 ft.	No
2674	20" Long, 8 Outlet, Wiremold® Power Strip	20 amp	6 ft.	Yes
2675	20" Long, 8 Outlet, Wiremold® Power Strip	20 amp	15 ft.	Yes

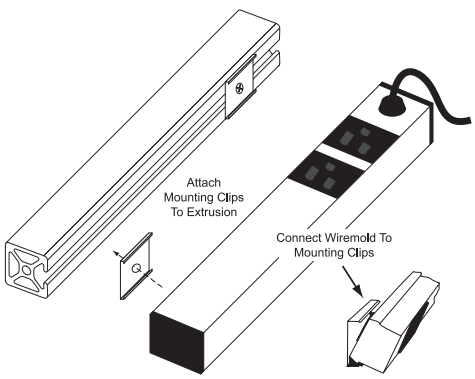
Spring Clip Mounting:

1) Pre-load the hardware onto the mounting clips.

2) Slide the mounting clips into the T-slot.

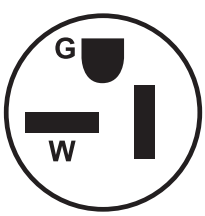
3) Place the mounting clips 1" (25mm) in from each end of the power strip and tighten the mounting clips into place.

4) Place power strip in one side of the mounting clips and snap into position.



Power Strip Plug Options

15 Amp Straight Blade



20 Amp Straight Blade

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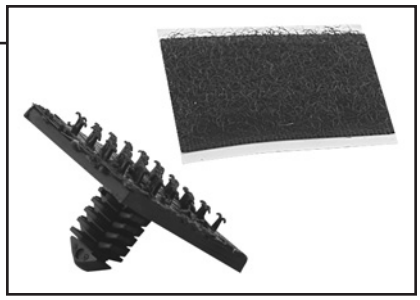
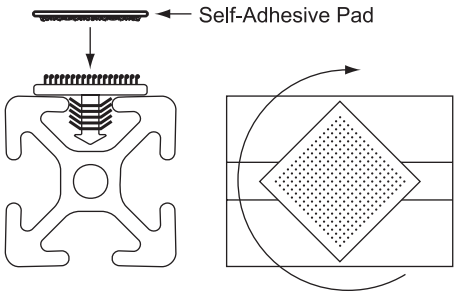
T-Slot Velcro® Fastener

- **40 Series compatible**
- **Mounts lightweight panels and parts quickly and easily**
- **The finned projection twists easily into the T-slot**
- **Includes a self-adhesive mating pad**

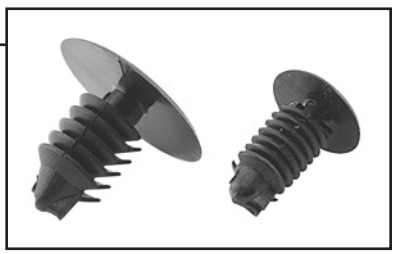


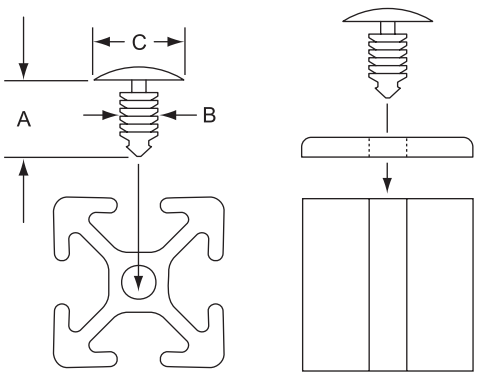


Part No.	Color	kg.
40-3273	Black	.0023

Push-In Fastener

- **Pushes into the center holes of 25 and 40 Series profiles**
- **Ideal for fastening end caps or as a document holder**
- **Available in red, blue, black, yellow or gray (please specify color)**





Part No.	Series	A	B	C	kg.
25-3272	25 Series	12.70	5.80	10.2	.0002
40-3274	40 Series	15.80	7.60	17.7	.0009

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Section #8 Pictorial Table Of Contents

How To Order

Page 940

Threaded Stem Swivel Casters

Page 941

Flange Mount Casters

Page 942

Triangular Top Plate Casters

Page 943

Deluxe Flange Mount Casters

Page 944

Flanged Mount Caster Base Plates

Page 945

Heavy-Duty Flange Mount Casters

Page 946

HD Flange Mount Caster Base Plates

Page 947

Leveling Casters

Page 948

Leveling Caster Base Plates

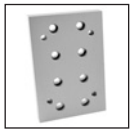
Page 949

Position Floor Locks

Page 950

Position Floor Locks

Pages 951-952

Position Floor Lock Base Plates

Page 953

Econ Furniture Style Glides

Page 954

Large Base Glides

Page 955

Mighty Mount™

Page 956

Economy Anti-Vibration Mounts

Page 957

Deluxe Leveling Feet

Page 958

Economy Leveling Feet

Page 959

25 Series Base Plates

Pages 960-961

40 Series Base Plates

Pages 962-963

40 Series Leveling Base Plates

Pages 964-965

30 Series Base Plates

Page 966

45 Series Base Plates

Page 966

30 Series Base Plates

Page 967

45 Series Base Plates

Page 967

Base for Swivel Feet

Page 968

Base for Swivel Feet

Page 968

Threaded Stems for Swivel Feet

Page 969

Extended Base for Swivel Feet

Page 970

Trapezoid Base for Swivel Feet

Page 970

Trapezoid Base Anchor

Page 971

Wedge Floor Anchor

Page 972

Steel Floor Bracket

Page 973

Aluminum Floor Bracket

Page 973

Floor Bracket

Page 974

Adjustable Floor Bracket

Page 975

Floor Mount Base Plates

Page 976

Econ Floor Mount Base Plates

Page 977

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

How to Order 80/20® Floor to Frame

When selecting your method of floor to frame, follow these simple steps to make sure you have all the needed parts: decide what load capacity is required and select the appropriate part number. Check for SERIES compatibility and select compatible base plate and mounting hardware. After completing the selection process, make sure to order a profile end tap if you are mounting to a profile end. The machining service charge to tap the profile end should be included in the machining service section of your completed order.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/UOM	Ext. Price
1	25-2525	2	469.9mm	25-7042 in A both ends	$0.01	$7.89
	40-4040-Lite-4m	5	4 m	Full length profile	$80.00	$400.00
	40-8016	4	1016.0mm	40-7029 one end	$0.14	$554.74
	40-8080	4	914.4mm	40-7050 style MG in W, X both ends	$0.06	$230.43
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	65-2611	1	.63 sm	6mm bronze polycarb 1 @ 457.2mm x 1016mm w/ 25-7311 per drawing	$111.95	$70.53
4	65-7150	1		Cut plastic panels all sides < -1220mm	$10.50	$10.50
	25-7042	4		25 Series anchor fastener counterbore	$2.25	$9.00
	25-7005	2		Cut-to-length for 25-2525	$1.95	$3.90
	40-7023	4		Cut-to-length for 40-8016	$2.90	$11.60
	40-7030	4		Cut-to-length for 40-8080	$2.60	$10.40
	40-7050	64		40 Series drill access hole	$1.95	$124.80
	40-7029	4		5/16-18 tap service for 40-8016	$15.20	$60.80
	25-7311	2		Anchor fastener notch for 25 Series	$0.53	$1.06
5	40-3891	32		40 Series M8 bright zinc end fastener w/ screw	$1.65	$52.80
	25-2114	16		Gray T-Slot covers for 25 Series	$3.45	$55.20
	40-2050	8		End caps for 40-8080	$1.85	$14.80
	25-3896	4		25 Series anchor fasteners	$3.10	$12.40
	40-1982	5		40 Series M8 bright zinc double economy T-nut	$0.84	$4.20
	25-4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	75-3404	24		25 Series M6 BHSCS & economy T-nut	$0.45	$10.80

TOTAL $1739.25

NOTE: Prices shown for illustration use only. Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 640-694 • 2 - Custom Parts = Pages 695-710 • 3 - Panels = Pages 831-914
4 - Machining Services = Pages 1025-1078 • 5 - Accessories & Tools = Pages 915-938 & 1015-1024

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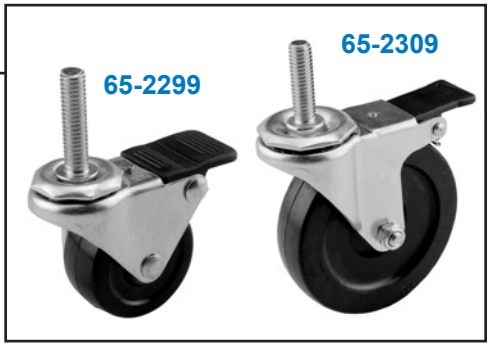
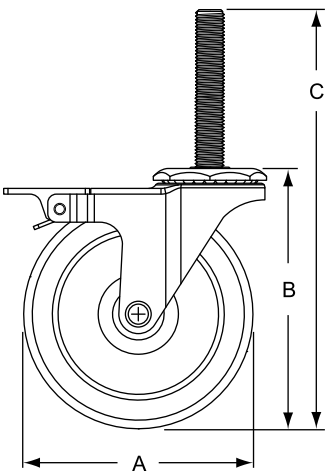
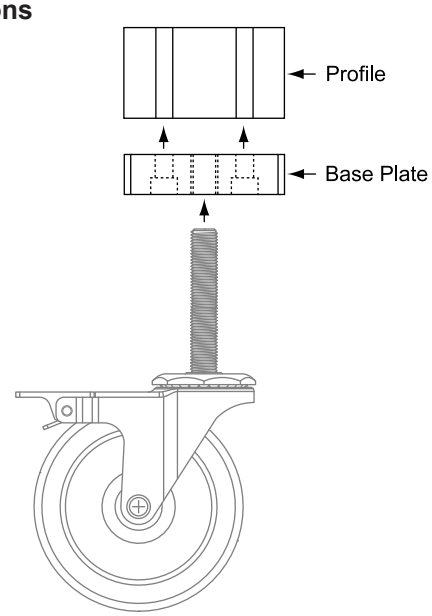
Threaded Stem Swivel Casters

Zinc-Plated Steel Bracket w/Rubber Wheel



- **25, 40 and 45 Series compatible**
- **Mounts directly to profile ends (with end tap) or to mounted base plates.**
- **Brake kits are included with select casters.**
- **Oil-resistant**
- **Maximum load capacity ranges from 34.02-79 kg.**
- **Refer to pages 960-967 for base plate options and page 1029 for profile end tap services**





Part No.	Thread	A	B	C	Brake	Swivel Radius	Max. Load kg.	kg.
65-2340	M10	35.00	50.00	80.00	No	41.27	34.02	.130
65-2341	M10	50.00	64.30	94.30	Yes	50.80	34.02	.159
65-2342	M10	75.00	89.70	119.70		73.03	45.36	.248
65-2343	M10	100.00	115.10	145.10		82.55	66.00	.547
65-2344	M10	125.00	140.50	170.50		98.43	68.00	.580
65-2345	M12	100.00	115.10	145.10		82.55	79.00	.481
65-2346	M12	125.00	140.50	170.50		98.43	79.00	.581

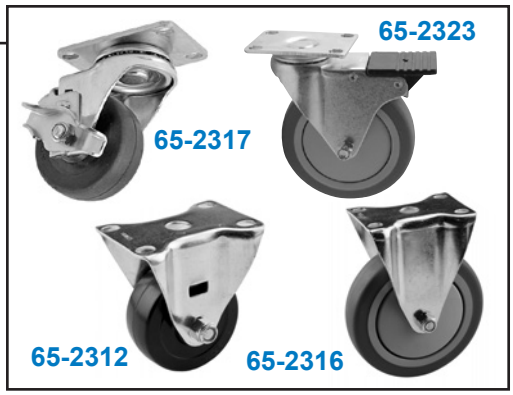
Legend for Icons

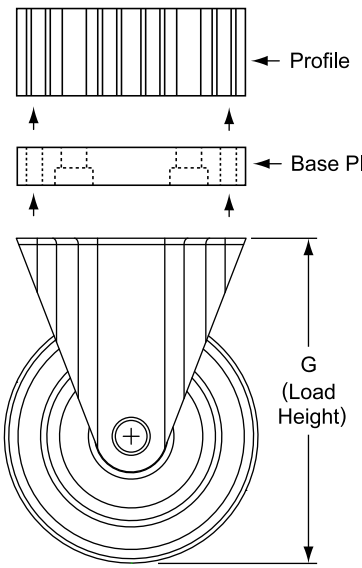
This part can use double economy T-nuts.
See page 757.

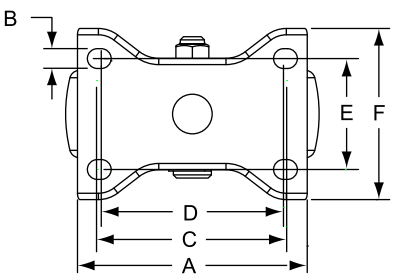
80/20® Inc.
The Industrial Erector Set®
THE STANDARD

Flange Mount Casters

- 25 and 40 Series compatible
- Choose from rigid or swivel casters, with brake kits on all swivel casters
- Side brake locks wheel only
- Front brake locks wheel and swivel motion
- Maximum load capacity rating range from 113.64-136.36 kg
- Refer to page 945 for base plate options







Recommended Mounting Hardware (Caster to Base Plate):

Part Number	Qty	Description
13-8520	4	M8 x 20mm SHCS

Swivel Caster Part No.	Diameter	A	B	C	D	E	F	G	Oil Resistance	Capacity	Wheel Color	Brake	Swivel Radius	kg.
65-2317*	76.20	92.08	8.33	76.20	73.03	44.45	60.33	104.78	Average	125 kg.	Black	Side	76.20	.680
65-2318**	76.20	92.08	8.33	76.20	73.03	44.45	60.33	104.78	Average	125 kg.	Black	Side	76.20	.680
65-2321***	101.60	92.08	8.33	76.20	73.03	44.45	60.33	133.18	Good	113.64 kg.	Gray	Front	117.48	1.134
65-2323***	127.00	92.08	8.33	76.20	73.03	44.45	60.33	155.58	Good	136.36 kg.	Gray	Front	117.48	1.360

Rigid Caster Part No.	Diameter	A	B	C	D	E	F	G	Oil Resistance	Capacity	Wheel Color	Brake	kg.
65-2312**	76.20	95.25	8.33	76.20	73.03	44.45	60.33	104.78	Average	125 kg.	Black	No	.680
65-2314***	101.60	92.08	8.33	76.20	73.03	44.45	60.33	130.18	Good	113.64 kg.	Gray	No	.907
65-2316***	127.00	92.08	8.33	76.20	73.03	44.45	60.33	158.75	Good	136.36 kg.	Gray	No	1.134

* Wheel Material: Soft Rubber
** Wheel Material: Hard Rubber
*** Wheel Material: Thermoplastic Elastomer on Plastic Core

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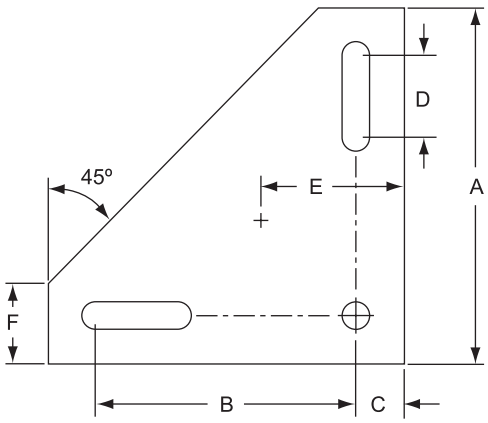
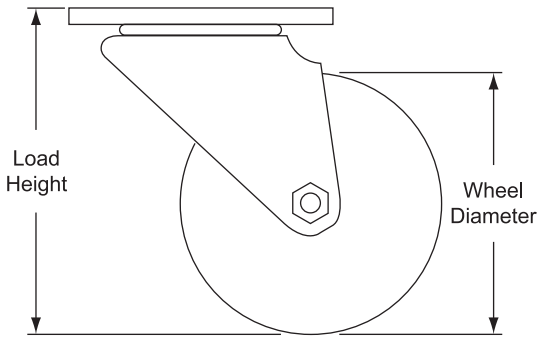
Triangular Top Plate Casters

- **30, 40 and 45 series compatible**
- **Mounts directly to T-slotted profiles without base plates**
- **Brake locks both wheel and swivel**
- **Maximum load capacities of 113.64 and 136.36 kg**





Recommended Mounting Hardware (Caster to Profile):

Part No.	Series	Qty	Description
75-3620	30	3	M8 x 12mm SHCS & Slide-In T-Nut
75-3625	40	3	M8 x 16mm SHCS & Slide-In T-nut
75-3623	45	3	M8 x 16mm SHCS & Drop-In T-nut

Part No.	Diameter	A	B	C	D	E	F	Load Height	Capacity	Swivel Radius	Wheel Color	kg.
65-2337	101.60	139.70	101.60	19.05	31.75	53.98	28.58	130.18	113.64 kg.	117.48	Gray	1.300
65-2338	127.00	139.70	101.60	19.05	31.75	53.98	28.58	158.75	136.36 kg.	117.48	Gray	1.518

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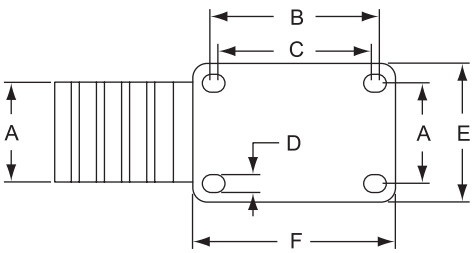
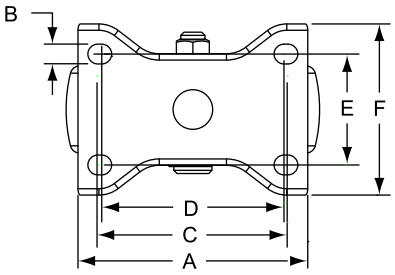
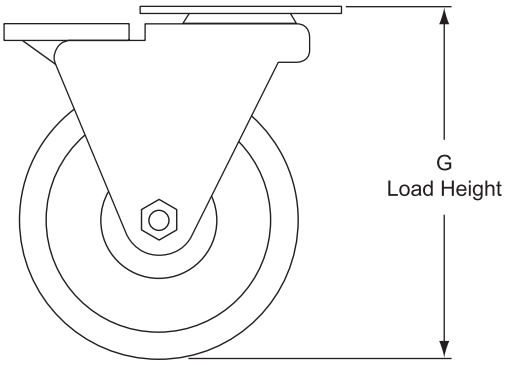
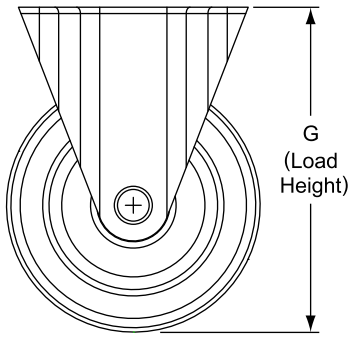
Deluxe Flange Mount Casters

- **25 and 40 Series compatible**
- **All casters have polyurethane wheels and hardened raceways for smooth motion**
- **Wheel and swivel rotation stop when locking tab is depressed**
- **113 - 136 kg. load capacity**
- **Use caster mount base plates on page 945 for mounting to T-slot profiles**









Recommended Mounting Hardware (Caster to Base Plate):

Part Number	Qty	Description
13-8520	4	M8 x 20mm SHCS

Swivel Caster Part No.	Diameter	A	B	C	D	E	F	G	Swivel Radius	Oil Resistance	Capacity	Wheel Color	Brake	kg.
65-2333*	101.60	44.45	76.20	73.03	8.33	60.33	92.08	130.18	117.48	Very Good	113.64 kg.	Blk / Gray	Yes*	1.134
65-2334*	127.00	44.45	76.20	73.03	8.33	60.33	92.08	155.58	117.48	Very Good	136.36 kg.	Blk / Gray	Yes*	1.474

Rigid Caster Part No.	Diameter	A	B	C	D	E	F	G	Swivel Radius	Oil Resistance	Capacity	Wheel Color	Brake	kg.
65-2335*	101.60	44.45	76.20	73.03	8.33	60.33	92.08	130.18	—	Very Good	113.64 kg.	Blk / Gray	No	.964
65-2336*	127.00	44.45	76.20	73.03	8.33	60.33	92.08	158.75	—	Very Good	136.36 kg.	Blk / Gray	No	1.191

* Wheel Material: Polyurethane Tread Plastic Core

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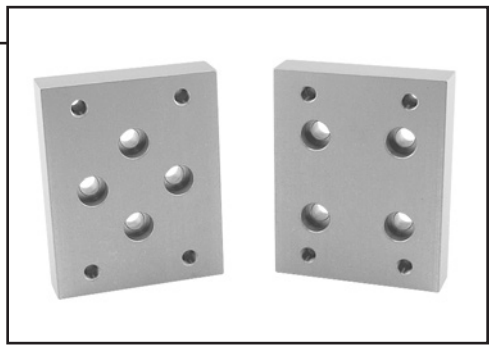
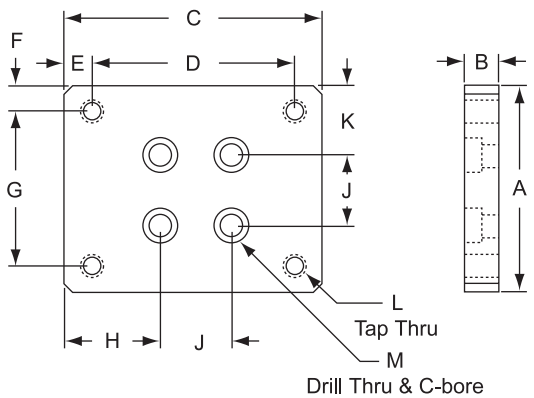
Flange Mount Caster Base Plates

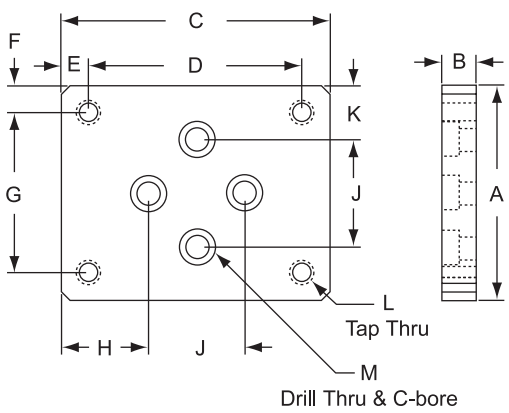
- 25 and 40 Series compatible
- Bolts to profile end or T-slot
- Made of 6105-T5 clear anodized aluminum
- Mounts casters on page 942 and 944



Part No: 25-2418 and 40-2420



Part No: 25-2419 and 40-2426



Recommended Mounting Hardware (Mount to Profile T-Slot):

Part No.	Series	Qty	Description
75-3412	25	4	M6 x 12mm SHCS & Economy T-Nut
75-3430	40	4	M8 x 20mm SHCS & Economy T-Nut

Recommended Mounting Hardware (Mount to Profile End):

Part No.	Series	Qty	Description
13-6516	25	4	M6 x 16mm SHCS (Blue)
13-8525	40	4	M8 x 25mm SHCS (Blue)

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	kg.
25-2418	62.50	12.00	95.00	74.60	10.20	9.00	44.40	35.00	25.00	18.75	M8 x 1.25	M6 SHCS	.195
25-2419	62.50	12.00	95.00	74.60	10.20	9.00	44.40	35.00	25.00	18.75	M8 x 1.25	M6 SHCS	.195
40-2426	80.00	19.00	97.00	74.60	11.20	17.80	44.40	28.50	40.00	20.00	M8 x 1.25	M8 SHCS	.342
40-2420	80.00	19.00	97.00	74.60	11.20	17.80	44.40	28.50	40.00	20.00	M8 x 1.25	M8 SHCS	.342

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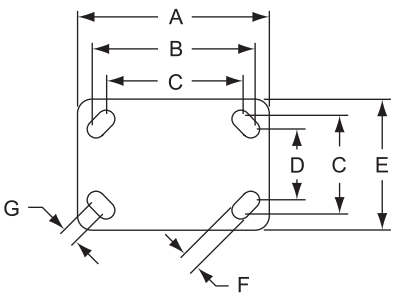
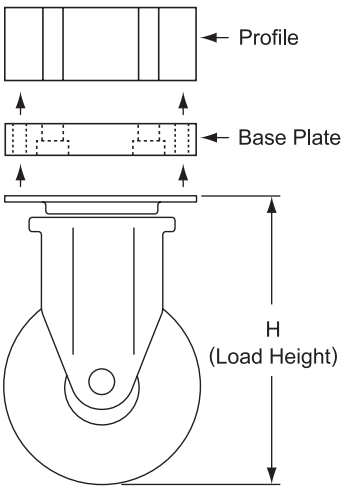
Heavy-Duty Flange Mount Casters

- **40 Series compatible**
- **Choose from swivel or rigid with load capacities ranging from 227-409 kg**
- **127mm or 152mm wheel diameters available – no brakes**
- **Design allows for easy access for lubrication**
- **Use caster mount base plates on page 947 for mounting to T-slots**





Recommended Mounting Hardware (Caster to Base Plate):

Part Number	Qty	Description
13-1520	4	M10 x 20mm SHCS

Swivel Caster Part No.	Diameter	A	B	C	D	E	F	G	H	Swivel Radius	Oil Resistance	Capacity	Wheel Color	kg.
40-2700*	127.00	114.30	92.08	76.20	66.68	101.60	10.70	14.30	165.10	98.43	Average	117.45 kg.	Gray	2.500
40-2704*	152.40	114.30	92.08	76.20	66.68	101.60	10.70	14.30	190.50	115.87	Average	250.00 kg.	Gray	3.180
40-2708**	127.00	114.30	92.08	76.20	66.68	101.60	10.70	14.30	165.10	98.43	Good	318.18 kg.	Red	2.270
40-2712**	152.40	114.30	92.08	76.20	66.68	101.60	10.70	14.30	190.50	115.87	Good	409.09 kg.	Red	2.730

Rigid Caster Part No.	Diameter	A	B	C	D	E	F	G	H	Swivel Radius	Oil Resistance	Capacity	Wheel Color	kg.
40-2701*	127.00	112.70	92.08	76.20	66.68	96.82	10.70	14.30	165.10	—	Average	227.27 kg.	Gray	2.040
40-2705*	152.40	112.70	92.08	76.20	66.68	96.82	10.70	14.30	165.10	—	Average	227.27 kg.	Gray	2.500
40-2709**	127.00	112.70	92.08	76.20	66.68	96.82	10.70	14.30	165.10	—	Good	363.64 kg.	Red	2.040
40-2713**	152.40	112.70	92.08	76.20	66.68	96.82	10.70	14.30	165.10	—	Good	409.09 kg.	Red	2.270

* Wheel Material: Thermoplastic Elastomer on Plastic Core
** Wheel Material: Polyurethane Tread Plastic Core

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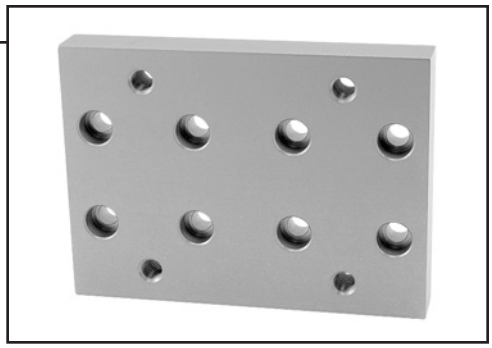
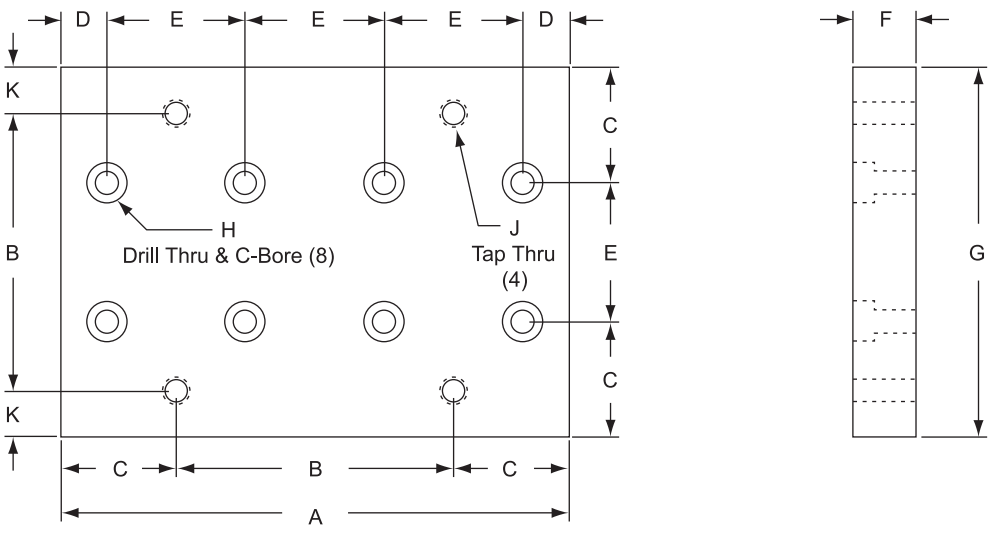
Heavy-Duty Flange Mount Caster Plates

- **40 Series compatible**
- **Mounts heavy-duty casters on page 946 to profile end or T-slot**
- **Made of 6105-T5 clear anodized aluminum**
- **Also serves as heavy-duty joining plate**





Recommended Mounting Hardware (Mount to Profile T-Slot):

Part No.	Series	Qty	Description
75-3430	40	4 To 8	M8 x 20mm SHCS & Economy T-Nut

Recommended Mounting Hardware (Mount to Profile End):

Part No.	Series	Qty	Description
13-8530	40	4 To 8	M8 x 30mm SHCS

Part No.	A	B	C	D	E	F	G	H	J	K	kg.
40-2147	146.00	76.20	34.90	13.00	40.00	19.00	100.00	M8 SHCS	M10 x 1.5	11.90	.683

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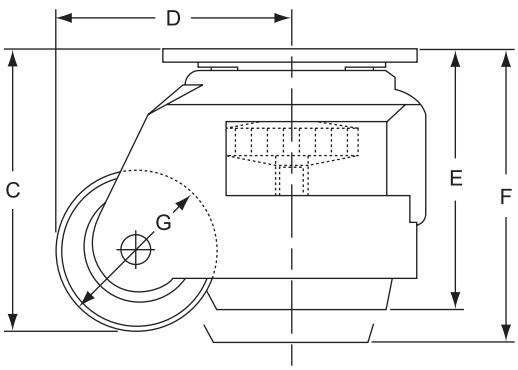
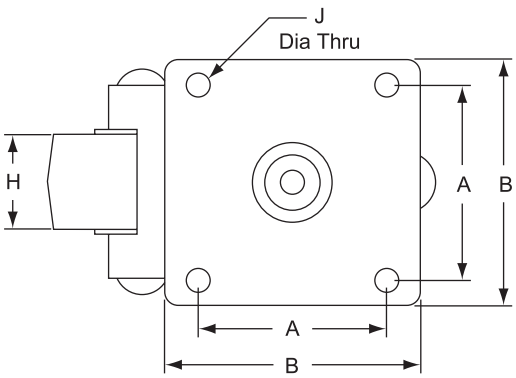
Leveling Casters

- **25 and 40 Series compatible**
- **Move and level your frame with one component**
- **Available in four sizes with load capacity ranging from 136-589 kg.**
- **Base plates required for mounting to T-slotted profiles – see page 949**





Recommended Mounting Hardware (Caster To Base Plate):

Caster No.	Base Plate	Bolt Kit	Quantity
65-2714	25-2406 / 40-2407	13-6520	4
40-2715	40-2408	13-8520	4
40-2716	40-2409	13-1520	4
40-2717			

Part No.	Capacity	A	B	C	D	E	F	G	H	J	kg.
65-2714	136 kg.	57.91	72.90	83.82	60.20	69.85	88.90	50.04	21.85	M6	.778
40-2715	272 kg.	69.85	89.91	102.11	77.00	92.08	117.48	62.00	29.00	M8	1.330
40-2716	453 kg.	69.85	95.00	119.90	92.76	104.78	136.53	72.14	31.00	M10	1.816
40-2717	589 kg.	69.85	95.00	119.90	92.46	107.95	123.83	72.14	31.00	M10	3.584

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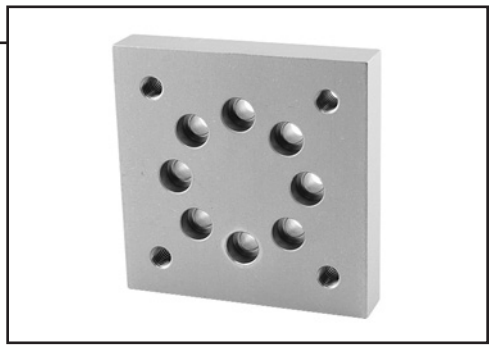
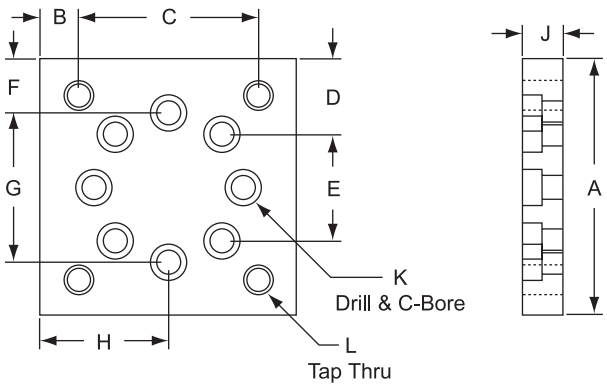
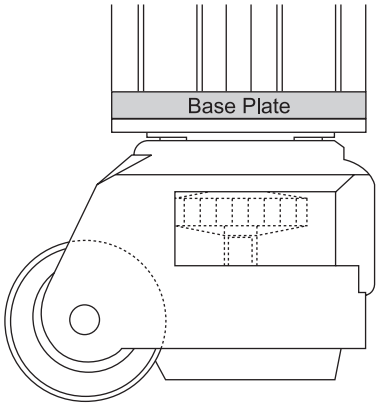
Leveling Caster Base Plates

- **25 and 40 Series compatible**
- **Mounts leveling casters on page 948 to the profile end or T-slot**
- **Made of 6105-T5 clear anodized aluminum**
- **Four sizes available**







Recommended Mounting Hardware (Mount to Profile T-Slot):

Plate No.	Bolt Kit	Quantity
25-2406*	75-3412	4
40-2407	75-3430	4
40-2408		
40-2409		

* 25 Series Bolt Kit

Recommended Mounting Hardware (Mount to Profile End):

Plate No.	Bolt Kit	Quantity
25-2406*	13-8525	4
40-2407	13-6516	4
40-2408		
40-2409		

* 25 Series Bolt Kit

Part No.	A	B	C	D	E	F	G	H	J	K	L	kg.
25-2406	76.20	9.09	57.91	25.58	25.00	20.42	35.37	38.10	12.70	M6 SHCS	M6 x 1.0	.180
40-2407	76.20	9.09	57.91	18.03	40.00	9.80	56.57	44.45	19.05	M8 SHCS	M6 x 1.0	.254
40-2408	88.90	9.45	69.85	19.05	40.00	18.06	53.85	44.45	19.05	M8 SHCS	M8 x 1.25	.352
40-2409	101.60	15.80	69.85	31.75	40.00	23.85	53.85	50.80	19.05	M8 SHCS	M10 x 1.50	.467

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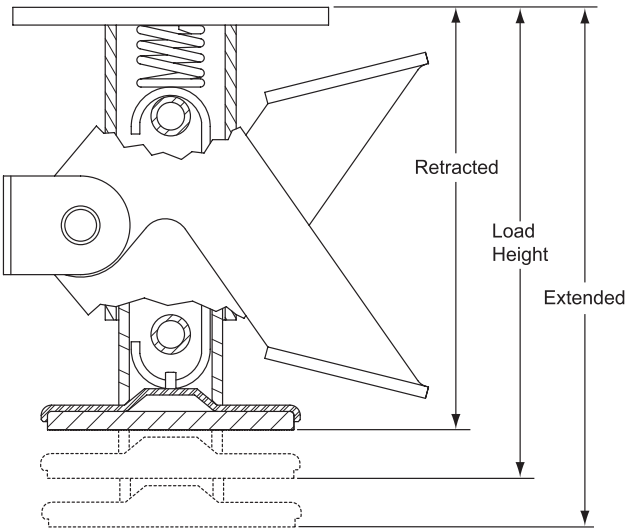
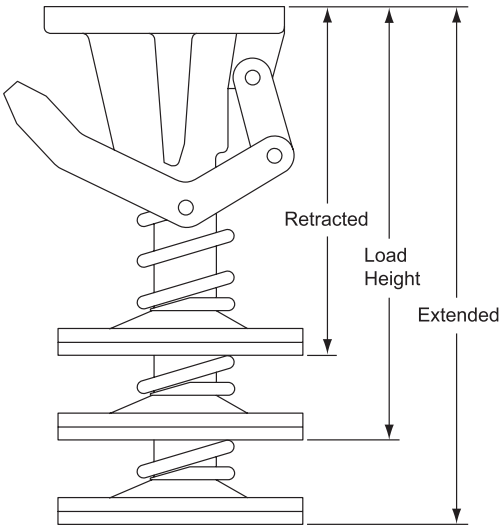
Economy Position Floor Locks

- **40 Series compatible**
- **Can be mounted to profile T-slot or end by using base plates – see page 953**
- **Immobilize equipment with 311-534 kg force per lock through spring-loaded rubber foot pad**
- **When properly applied, frame will not lift off floor**

40-2723, 40-2724 **40-2727**





Recommended Mounting Hardware (Floor Lock to base Plate):

Part Number	Qty	Description
13-1525	4	M10 x 25mm SHCS (Blue)
AND		
13-6043	4	M10 Flat Washer (Blue)

Part No.	Base Plate Part No.	Retracted	Load Height	Extended	Bolt Hole Spacing	Bolt Diameter	Finish	kg.
40-2723	40-2148	152.40	168.30	174.60	66.80 x 92.20	M10	Electro-Plated	2.150
40-2724	40-2148	174.60	190.50	196.85	66.80 x 92.20	M10	Electro-Plated	2.377
40-2727	40-2148	117.50	139.70	149.25	66.80 x 92.20	M10	Aluminum Lacquer	3.400

Part numbers 40-2723, 40-2724 and 40-2727 will be available for a limited period of time. After that, please order part number 40-2731 (see page 951), which fulfills all the capabilities of these floor locks.

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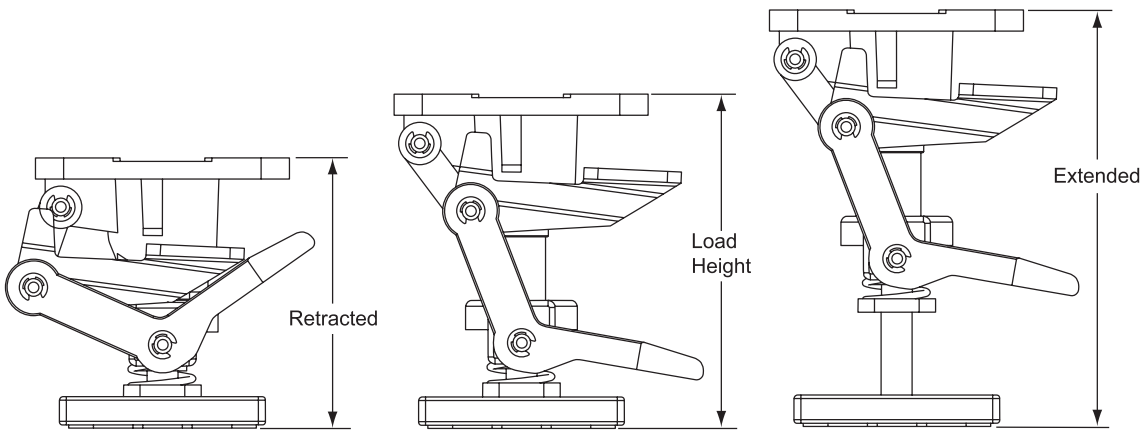
Economy Position Floor Lock

- 40 Series compatible
- Mount to profile T-slot or end by using base plate 40-2148
- Immobilize equipment with 400-534 kg force per lock
- Adjustability improves performance



Part No.	Base Plate Part No.	Retracted	Extended Min.	Extended Max	Bolt Diameter	kg.
40-2731	40-2148	114.30	139.70	196.85	12.70	3.10

This floor lock, part number 40-2731, will replace part numbers 40-2723, 40-2724 and 40-2727. 2731 fulfills all the capabilities of these floor locks.

Position Floor Locks continued

These position floor locks are designed to immobilize equipment at a desired location. When the position floor locks are not in use, they remain attached without interfering with mobility.

Fixture dollies, carts, or other castered applications can be locked in place by simple foot pressure. The locking action is created when the friction surface of nearly 64.5cm^2 is pressed against the floor with 311-534 newtons of force.

Proper Application:

When the weight of your application is 45.4 kg. or more per floor lock, the floor lock will remain locked in position properly.

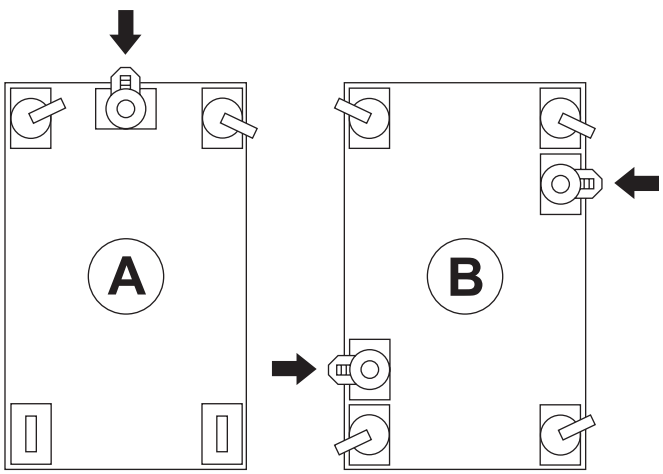
Improper Application:

When the weight of your application is less than 45.4 kg. per floor lock, the floor lock may raise the casters off the floor. This is not correct. If you have questions or need design assistance call 80/20® or your local distributor for more information.

Installation Information:

Example **A**
When a piece of equipment has two swivel and two rigid casters, only one position lock is needed.

Example **B**
When there are four swivel casters on a piece of equipment, use at least two position floor locks mounted diagonally to each other.



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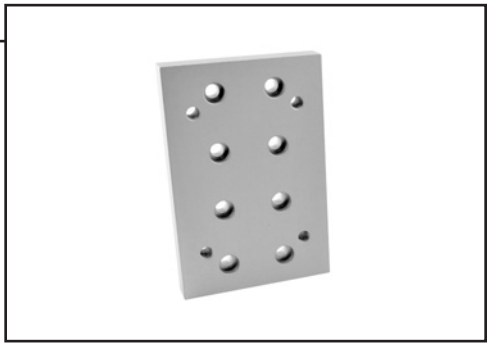
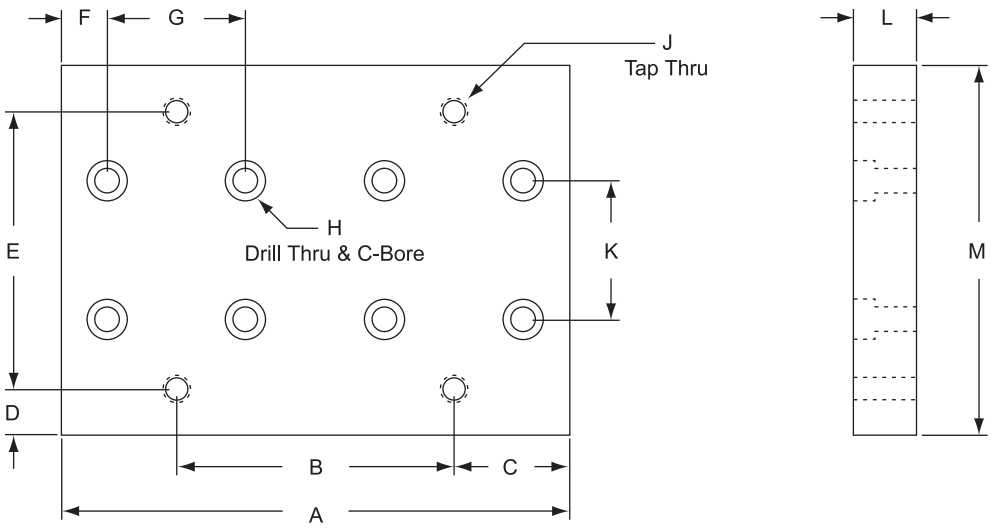
Position Floor Lock Base Plate

- **40 Series compatible**
- **Mounts both types of position floor locks to profile T-slots or ends**
- **Made of 6105-T5 clear anodized aluminum**
- **Mounts position floor locks found on page 950 and 951**





80/20® Design Tip

When mounting four swivel casters on a structure, use at least two position locks mounted diagonally to each other. When mounting two swivel and two rigid casters, only one position lock is needed.
(See page 952 for diagram)

Recommended Mounting Hardware (Mount to Profile T-Slot):

Bolt Kit	Quantity	Description
75-3430	4 - 8	M8 x 20mm SHCS & Econ T-Nut

Recommended Mounting Hardware (Mount to Profile End):

Bolt Kit	Quantity	Description
13-8530	4 - 8	M8 x 30mm SHCS

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	kg.
40-2148	158.00	92.00	33.00	16.68	66.65	19.00	40.00	M8 SHCS	M10 x 1.50	40.00	19.00	100.00	.683

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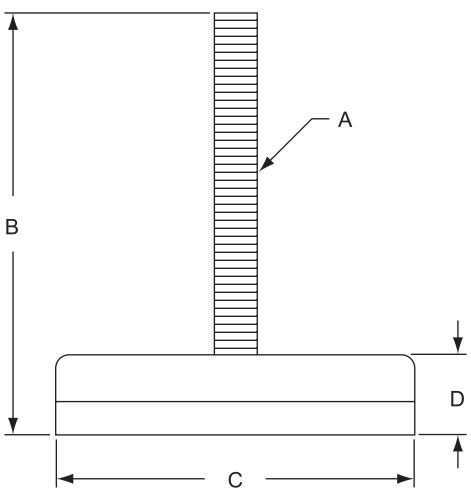
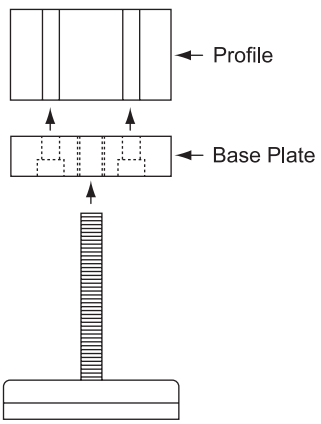
Economy Furniture Glides

- **25, 30, 40 and 45 Series compatible**
- **Threads into profile end or can be mounted with base plates**
- **Nickel-plated with non-abrasive nylon base**
- **Cost-effective modular solution for light-duty applications**
- **See page 1029 for tapping services**





Part No.	Load Capacity	A	B	C	D	kg.
25-2186	113 kg.	M6 x 1.0	57.00	31.00	9.60	.018
65-2187	113 kg.	M8 x 1.25	59.80	52.00	12.10	.051
65-2188	113 kg.	M10 x 1.5	78.00	61.00	13.76	.084
65-2189	227 kg.	M12 x 1.75	78.00	72.00	13.76	.112

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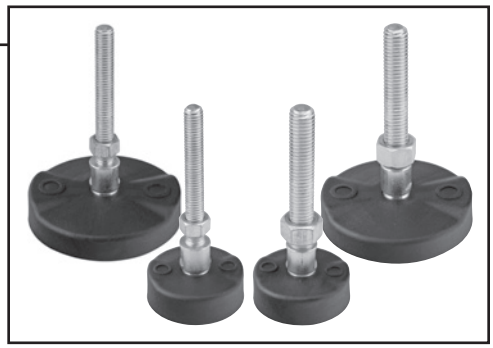
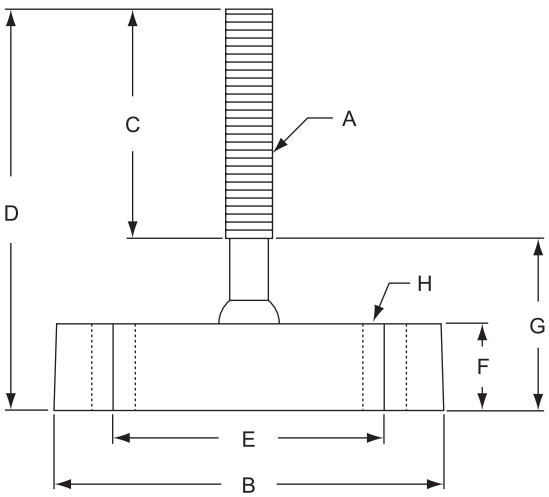
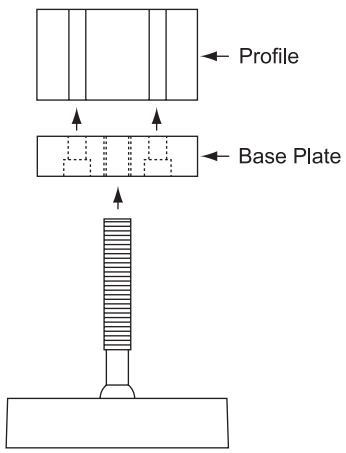
Large Base Glides



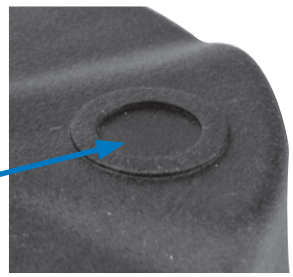
- **25 and 40 Series compatible**
- **Mount to profiles with base plates on pages 960-967**
- **Zinc-plated stud with glass-filled nylon base**
- **1740-2175 kg load capacity for leveling heavier applications**
- **Extra large base diameter creates maximum surface area**
- **Stems swivel 15° in all directions**
- **See page 1029 for tapping services**





Part No.	Load Capacity	A	B	C	D	E	F	G	H	kg.
65-2183	1740 kg.	M10 x 1.5	50.80	75.00	110.00	33.30	18.00	35.00	6.50	.120
65-2184	1740 kg.	M12 x 1.75	50.80	75.00	110.00	33.30	18.00	35.00	6.50	.116
65-2178	1740 kg.	M16 x 2.0	50.80	100.00	135.00	33.30	18.00	35.00	6.50	.213
65-2181	2175 kg.	M10 x 1.5	76.20	75.00	110.00	55.00	18.00	35.00	9.00	.134
65-2182	2175 kg.	M12 x 1.75	76.20	75.00	110.00	55.00	18.00	35.00	9.00	.153
65-2179	2175 kg.	M16 x 2.0	76.20	100.00	135.00	55.00	18.00	35.00	9.00	.251

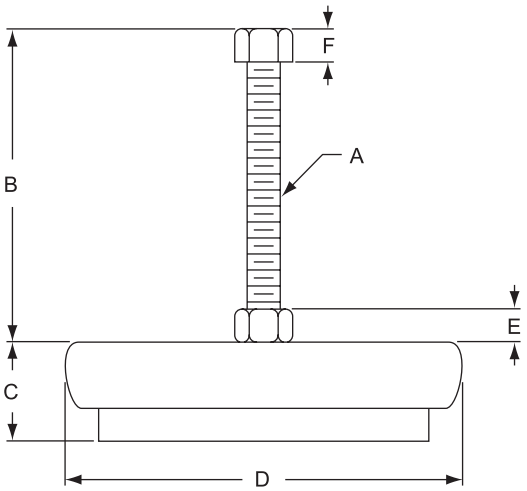
80/20's large base glides are now available with the mounting holes in the base covered. If access is needed to bolt the glides to the floor, simply punch through the nylon base material.

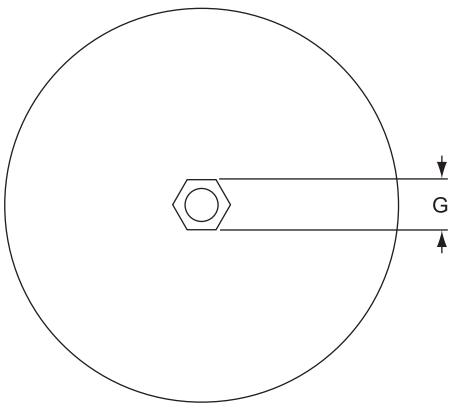


80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

Mighty Mount™

- **25 and 40 Series compatible**
- **Zinc-plated lock nut and bolt included**
- **High vibration and shock isolation with non-skid elastomer pad**
- **136-453 kg. maximum load capacity**
- **Corrosion-resistant, safety yellow finish**
- **Works great with leveling anchor base plates shown on pages 964-965**
- **See page 1029 for tapping services**



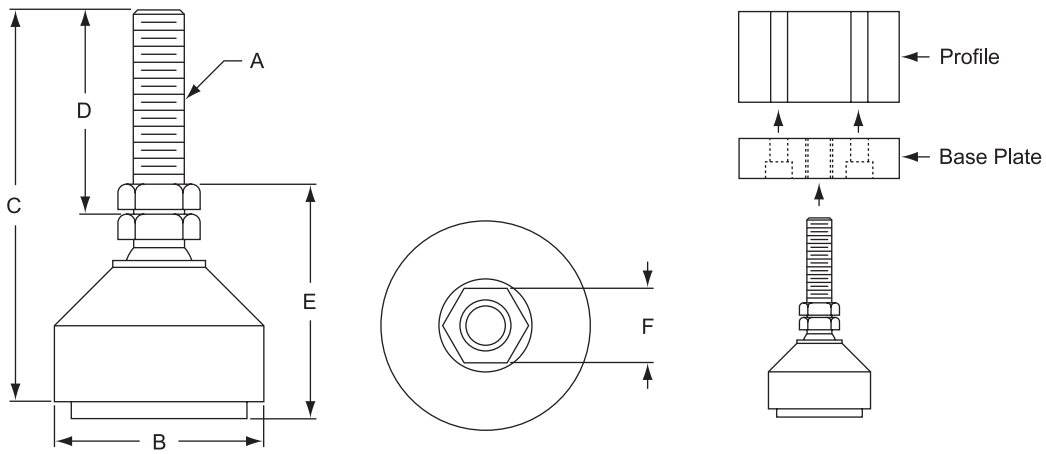


Part No.	Load Capacity	A	B	C	D	E	F	G	kg.
25-2205	136 kg.	M10 x 1.50	65.00	40.00	75.00	8.38	8.38	17.00	.495
40-2206	453 kg.	M12 x 1.75	119.50	40.00	116.00	9.90	11.20	18.80	1.160

Note: Dimensions are free height of mount before leveling with leveling bolt. Mighty Mount® is a registered trademark of Willimount Corp.

Economy Anti-Vibration Mounts

- 25 and 40 Series compatible
- Gold irridite finish with black rubber anti-vibration pad
- Maximum load capacity range of 23-148 kg.
- Level high precision or computerized machinery
- Pivots 20° to accommodate uneven floors
- See pages 960-967 for base plates
- See page 1029 for tapping services

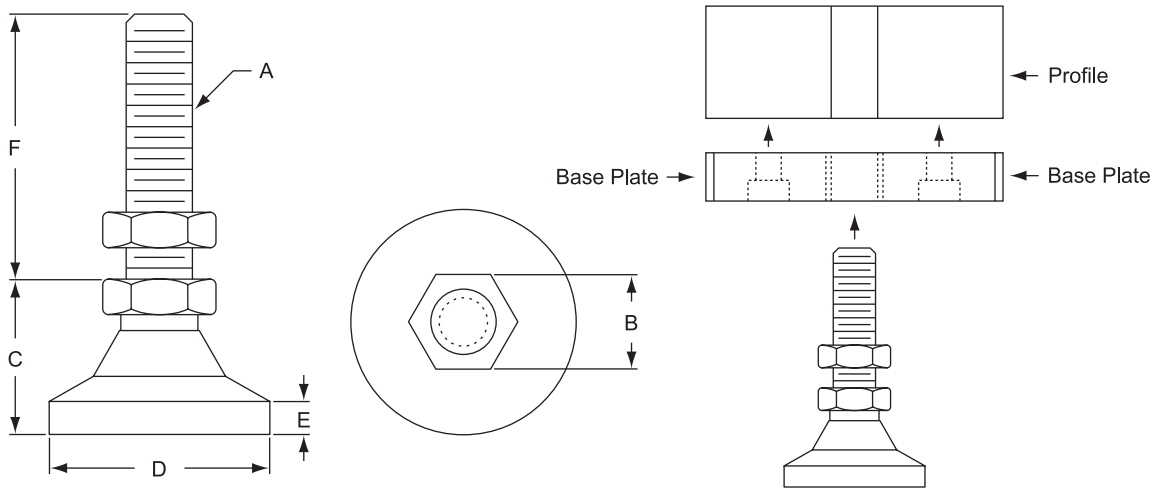


Part No.	Load Capacity	A	B	C	D	E	F	kg.
65-2207	23 kg.	M10 x 1.50	32.00	89.00	51.00	48.00	16.00	.170
65-2208	54 kg.	M12 x 1.75	48.00	95.00	51.00	53.00	19.00	.362
65-2215	100 kg.	M16 x 2.00	64.00	99.00	51.00	58.00	22.00	.717
65-2209	148 kg.	M20 x 2.50	76.00	105.00	51.00	68.00	27.00	1.167

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

Deluxe Leveling Feet

- **25 and 40 Series compatible**
- **317-3357 kg load capacity range**
- **Threads directly into tapped profile end, jam nut included**
- **Pivots 20° to accommodate uneven floors**
- **Base plates can also be used for mounting feet onto T-slotted profiles. See pages 960-967 for base plates**
- **See page 1029 for tapping services**



Part No.	Load Capacity	A	B	C	D	E	F	kg.
25-2192	317 kg.	M6 x 1.0	10.00	14.00	19.00	2.50	25.00	.021
65-2212	453 kg.	M8 x 1.25	13.00	18.00	26.00	3.50	32.00	.047
65-2190	1701 kg.	M10 x 1.50	16.00	22.00	32.00	4.00	51.00	.100
65-2200	2268 kg.	M12 x 1.75	19.00	29.00	48.00	5.50	51.00	.220
65-2213	2721 kg.	M16 x 2.0	22.00	32.00	64.00	8.00	51.00	.437
65-2202	3357 kg.	M20 x 2.5	27.00	38.00	76.00	10.00	51.00	.769

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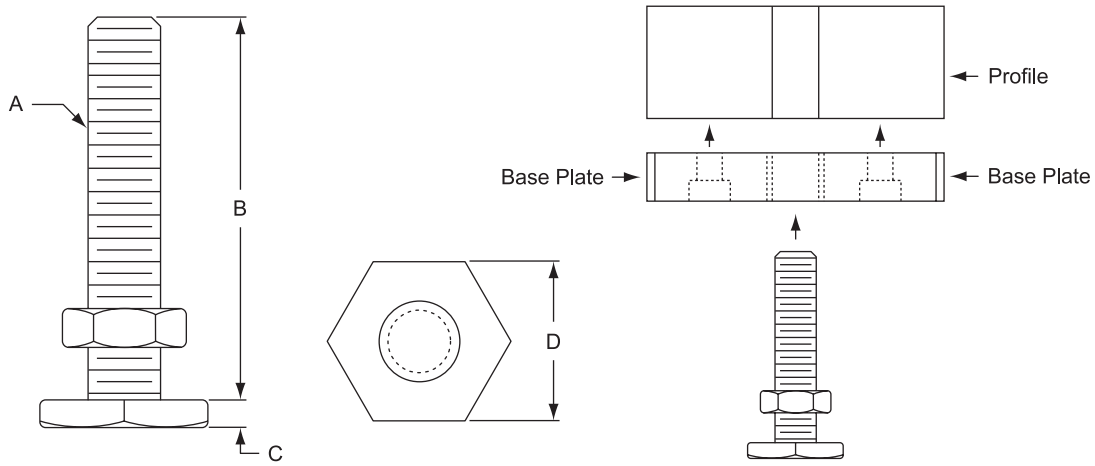
Economy Leveling Feet

- **25 and 40 Series compatible**
- **Threads directly into tapped profile end, jam nut included**
- **475-2130 kg load capacity range**
- **Base plates can also be used for mounting feet onto T-slotted profiles. See pages 960-967 for base plates**
- **See page 1029 for tapping services**



Part No.	Load Capacity	A	B	C	D	kg.
25-2193	475 kg.	M6 x 1.00	30.00	2.40	14.00	.010
65-2195	790 kg.	M8 x 1.25	40.00	3.10	18.00	.022
65-2191	1150 kg.	M10 x 1.50	60.00	3.70	22.00	.046
65-2201	2130 kg.	M12 x 1.75	63.00	4.40	25.00	.072

80/20® Inc.
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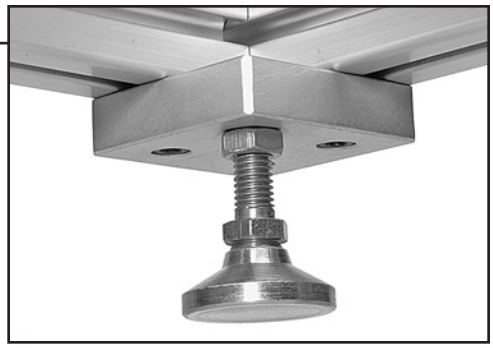
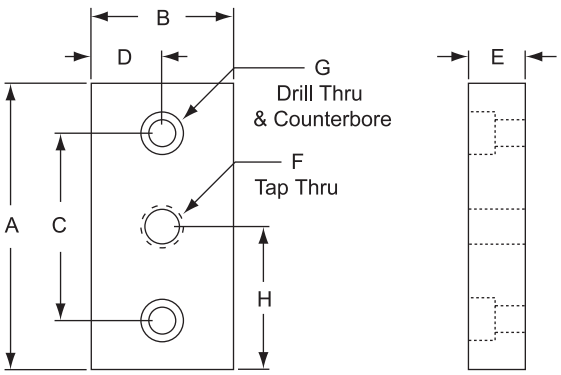
THE STANDARD

25 Series Base Plates

- **25 Series compatible**
- **Mounts leveling feet and threaded stem casters on to profile**
- **Made of 6105-T5 clear anodized aluminum**
- **Attach to profile end or T-slot**

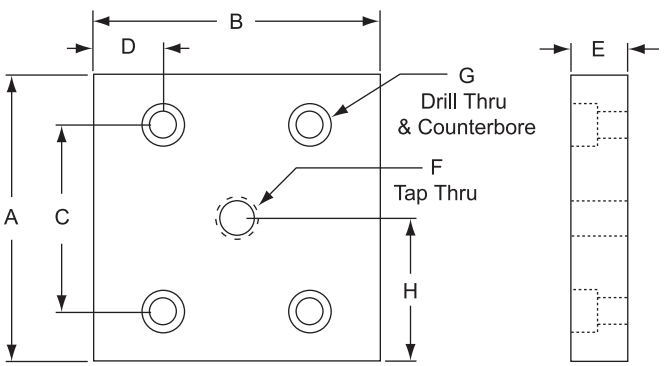




Part Numbers:

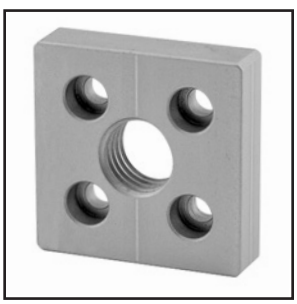
25-2128
25-2129
25-2137
25-2361

Part No.	A	B	C	D	E	F	G	H	kg.
25-2128	50.00	25.00	25.00	12.50	12.00	M6 x 1.00	M6 SHCS	25.00	.039
25-2129	50.00	25.00	25.00	12.50	12.00	M8 x 1.25		25.00	.036
25-2137	50.00	25.00	25.00	12.50	12.00	M10 x 1.50		25.00	.034
25-2361	50.00	25.00	25.00	12.50	12.00	M12 x 1.75		25.00	.033



Part Numbers:

25-2131
25-2139
25-2132
25-2362



Part No.	A	B	C	D	E	F	G	H	kg.
25-2131	50.00	50.00	25.00	12.50	12.00	M10 x 1.50	M6 SHCS	25.00	.075
25-2139	50.00	50.00	25.00	12.50	12.00	M12 x 1.75		25.00	.073
25-2132	50.00	50.00	25.00	12.50	12.00	M16 x 2.00		25.00	.073
25-2362	50.00	50.00	25.00	12.50	12.00	M20 x 2.50		25.00	.069

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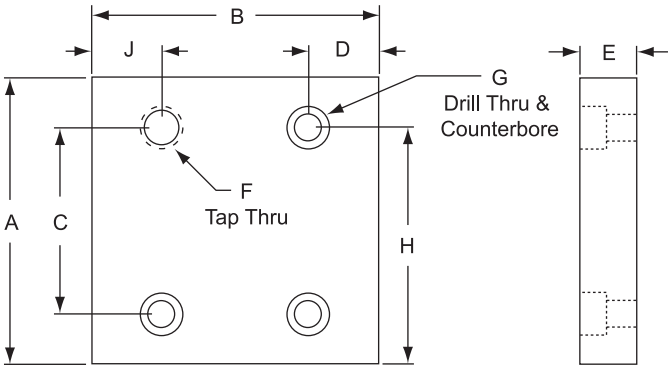
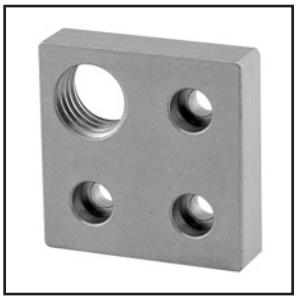
25 Series Base Plates continued



Part Numbers:

25-2142
25-2143
25-2363
25-2364



Part No.	A	B	C	D	E	F	G	H	J	kg.
25-2142	50.00	50.00	25.00	12.50	12.00	M10 x 1.50	M6 SHCS	37.50	12.50	.077
25-2143	50.00	50.00	25.00	12.50	12.00	M12 x 1.75		37.50	12.50	.075
25-2363	50.00	50.00	25.00	12.50	12.00	M16 x 2.00		37.50	12.50	.074
25-2364	50.00	50.00	25.00	12.50	12.00	M20 x 2.50		37.50	12.50	.070

Recommended Mounting Hardware (Mount to Profile T-Slot):

Part No.	Bolt Kit	Qty	Description
25-2128	75-3412	2	M6 x 12mm SHCS & Econ T-Nut
25-2129			
25-2137			
25-2361			
25-2131	75-3412	4	M6 x 12mm SHCS & Econ T-Nut
25-2139			
25-2132			
25-2362			
25-2142	75-3412	3	M6 x 12mm SHCS & Econ T-Nut
25-2143			
25-2363			
25-2364			

Recommended Mounting Hardware (Mount to Profile End):

Part No.	Bolt Kit	Qty	Description
25-2128	13-6516	2	M6 x 16mm SHCS (Blue)
25-2129			
25-2137			
25-2361			
25-2131	13-6516	4	M6 x 16mm SHCS (Blue)
25-2139			
25-2132			
25-2362			
25-2142	—	—	Note: Corner tap base plate should **NOT** be mounted to the profile end
25-2143			
25-2363			
25-2364			

80/20® Inc.
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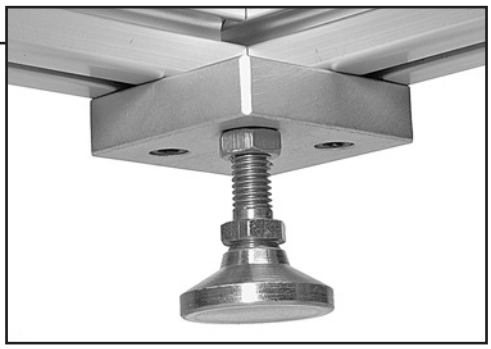
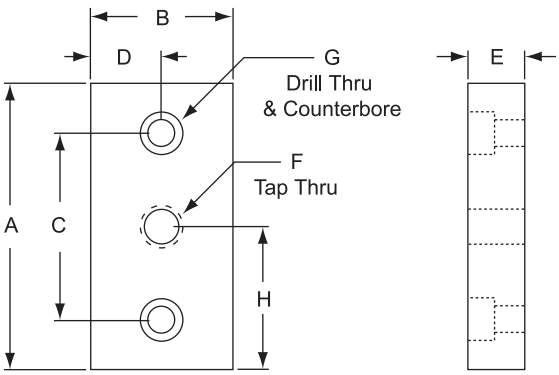
40 Series Base Plates

- **40 Series compatible**
- **Mounts leveling feet and threaded stem casters into profile**
- **Made of 6105-T5 clear anodized aluminum**
- **Attach to profile end or T-slot**

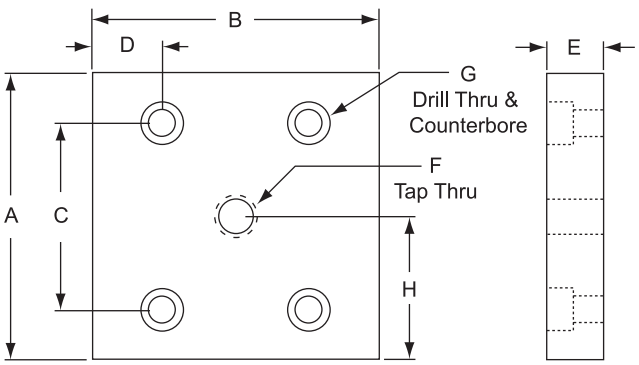




Part Numbers:

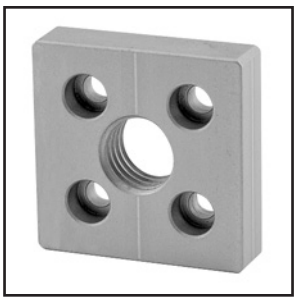
40-2130
40-2135
40-2138
40-2365

Part No.	A	B	C	D	E	F	G	H	kg.
40-2130	80.00	40.00	40.00	20.00	19.00	M10 x 1.50	M8 SHCS	40.00	.143
40-2135	80.00	40.00	40.00	20.00	19.00	M12 x 1.75		40.00	.143
40-2138	80.00	40.00	40.00	20.00	19.00	M16 x 2.00		40.00	.143
40-2365	80.00	40.00	40.00	20.00	19.00	M20 x 2.50		40.00	.136



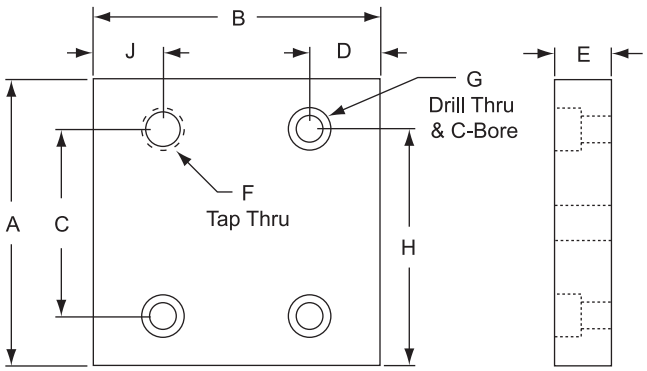
Part Numbers:

40-2140
40-2145
40-2366



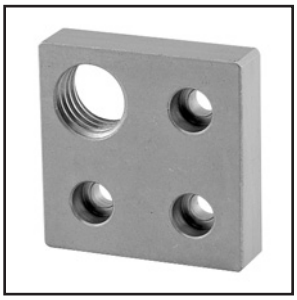
Part No.	A	B	C	D	E	F	G	H	kg.
40-2140	80.00	80.00	40.00	20.00	19.00	M12 x 1.75	M8 SHCS	40.00	.286
40-2145	80.00	80.00	40.00	20.00	19.00	M16 x 2.00		40.00	.286
40-2366	80.00	80.00	40.00	20.00	19.00	M20 x 2.50		40.00	.277

40 Series Base Plates continued



Part Numbers:

40-2141
40-2146
40-2367



Part No.	A	B	C	D	E	F	G	H	J	kg.
40-2141	80.00	80.00	40.00	20.00	19.00	M12 x 1.75	M8 SHCS	60.00	20.00	.291
40-2146	80.00	80.00	40.00	20.00	19.00	M16 x 2.00		60.00	20.00	.291
40-2367	80.00	80.00	40.00	20.00	19.00	M20 x 2.50		60.00	20.00	.286

Recommended Mounting Hardware (Mount to Profile T-Slot):

Part No.	Bolt Kit	Qty	Description
40-2130	75-3430	2	M8 x 20mm SHCS & Econ T-Nut
40-2135			
40-2138			
40-2365			
40-2140	75-3430	4	M8 x 20mm SHCS & Econ T-Nut
40-2145			
40-2366			
40-2141	75-3430	3	M8 x 20mm SHCS & Econ T-Nut
40-2146			
40-2367			

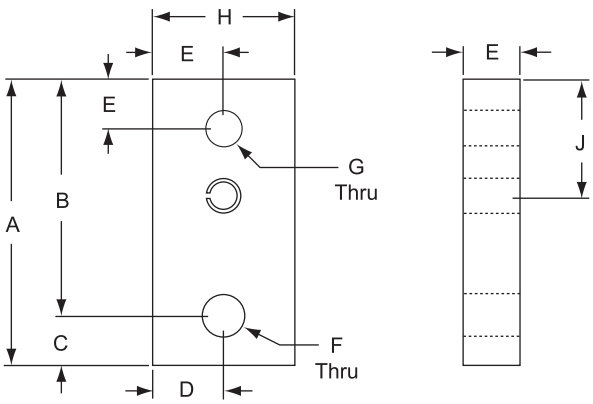
Recommended Mounting Hardware (Mount to Profile End):

Part No.	Bolt Kit	Qty	Description
40-2130	13-8525	2	M8 x 25mm SHCS (Blue)
40-2135			
40-2138			
40-2365			
40-2140	13-8525	4	M8 x 25mm SHCS (Blue)
40-1245			
40-2366			
40-2141	—	—	Note: Corner tap base plate should **NOT** be mounted to the profile end
40-2146			
40-2367			

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

40 Series Leveling/Anchoring Base Plates

- **40 Series compatible**
- **Provides offset hole to anchor fixture to floor**
- **Made of 6105-T5 clear anodized aluminum**
- **Mounts leveling feet to profile ends**
- **Will mount to most 80/20® T-slotted profiles**
- **Use with wedge floor anchors on page 972**



Part Number:

40-2165

Recommended Mounting Hardware (Mount to Profile T-Slot):

Part No.	Bolt Kit	Qty	Description
40-2170	75-3430	2	M8 x 20mm SHCS & Econ T-Nut
40-2175			
40-2180	75-3430	4	M8 x 20mm SHCS & Econ T-Nut

Recommended Mounting Hardware (Mount to Profile End):

Part No.	Bolt Kit	Qty	Description
40-2170	13-8525	2	M8 x 25mm SHCS (Blue)
40-2175			
40-2180	13-8525	4	M8 x 25mm SHCS (Blue)

Part No.	A	B	C	D	E	F	G	H	J	kg.
40-2165	80.00	66.70	13.30	20.00	12.00	ø13.50	ø10.00	40.00	37.90	.097

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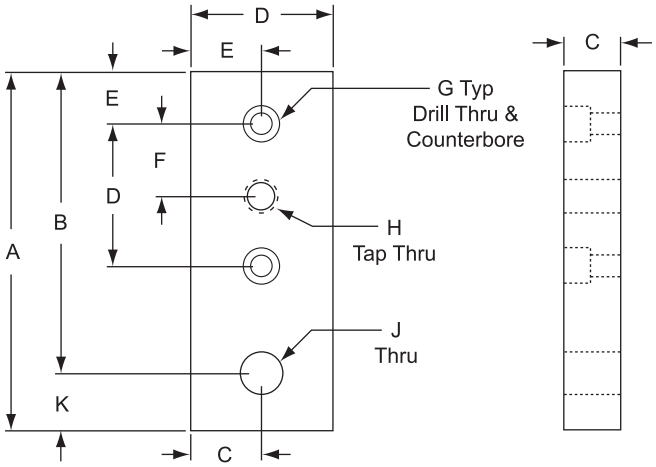
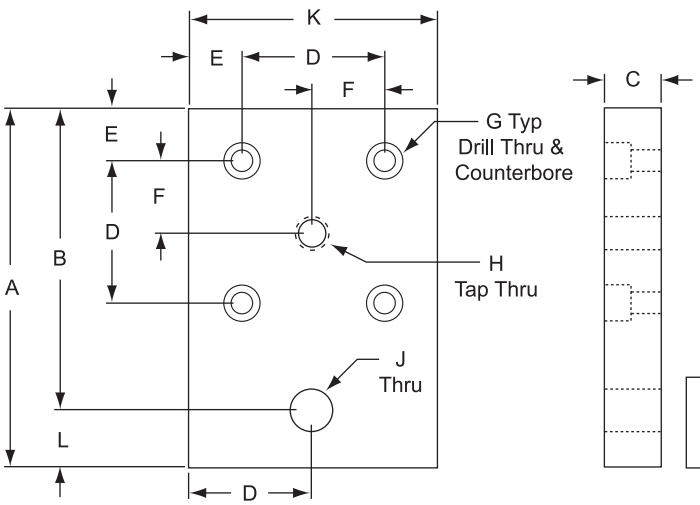
40 Series Leveling/Anchoring Base Plates continued



Part Number:

40-2170
40-2175

Part No.	A	B	C	D	E	F	G	H	J	K	L	kg.
40-2170	120.00	106.70	13.30	40.00	20.00	20.00	M8 SHCS	M10 x 1.50	ø13.50	20.00	19.00	.223
40-2175	120.00	106.70	13.30	40.00	20.00	20.00	M8 SHCS	M12 x 1.75	ø13.50	20.00	19.00	.223



Part Number:

40-2180

Part No.	A	B	C	D	E	F	G	H	J	K	L	kg.
40-2180	120.00	106.70	19.00	40.00	20.00	20.00	M8 SHCS	M12 x 1.75	ø13.50	80.00	13.30	.459

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The Industrial Erector Set®
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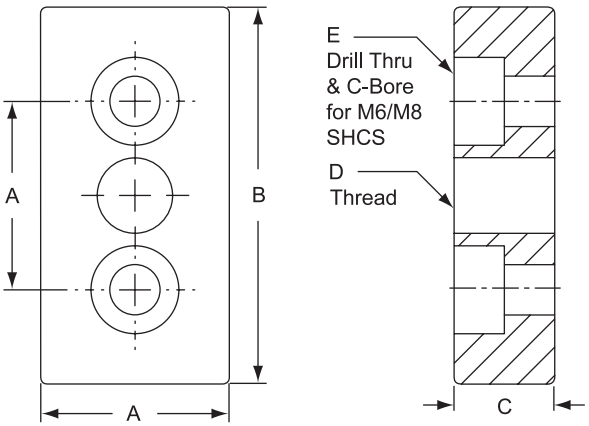
* See Compatibility Code information on page 833.

30 Series Base Plates

Die-Cast Zinc, Black Powder Coat



Accepts M8, M10 & M12 threaded stems

Recommended Mounting Hardware (Mount to Profile End):

Part No.	Qty	Description
11-8520	2	M8 x 20mm SHCS

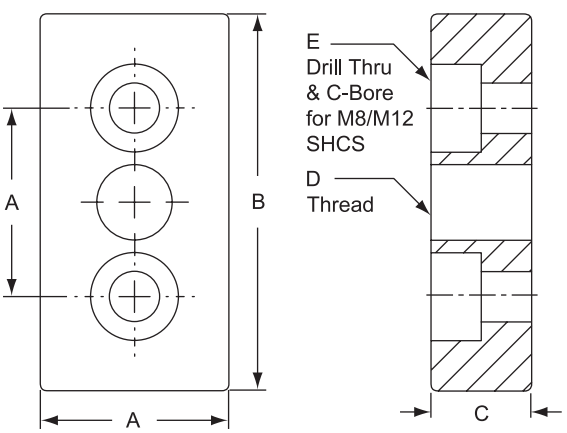
Recommended Mounting Hardware (Mount to Profile T-slot):

Part No.	Qty	Description
75-3595	2	M6 x 16mm SHCS & Drop-In T-nut

Part No.	A	B	C	D (Thread)	E (SHCS)	kg.	Compatibility Code*
14020	30.00	60.00	16.00	M8	M6	.099	8-30
14022				M10		.099	
14024				M12		.095	
14021				M8	M8	.099	
14023				M10		.099	
14025				M12		.095	

45 Series Base Plates

Die-Cast Zinc, Black Powder Coat



Accepts M10, M12 & M16 threaded stems

Recommended Mounting Hardware (Mount to Profile End):

Part No.	Qty	Description
11-2525	2	M12 x 25mm LHSCS

Recommended Mounting Hardware (Mount to Profile T-slot):

Part No.	Qty	Description
75-3630	2	M8 x 20mm SHCS & Drop-In T-nut

Part No.	A	B	C	D (Thread)	E (SHCS)	kg.	Compatibility Code*
14027	45.00	90.00	16.00	M10	M8	.258	10-45
14029				M12		.254	
14031				M16		.249	
14028				M10	M12	.257	
14030				M12		.255	
14032				M16		.247	

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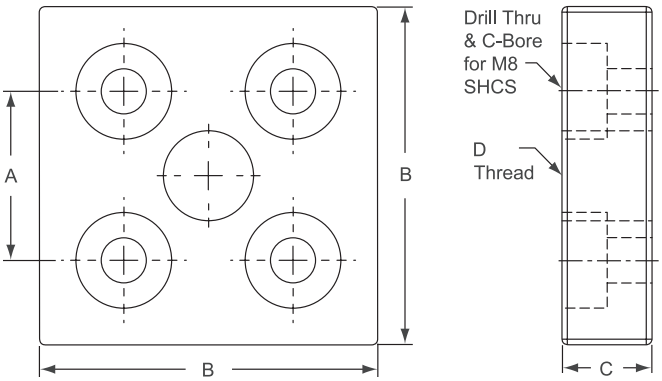
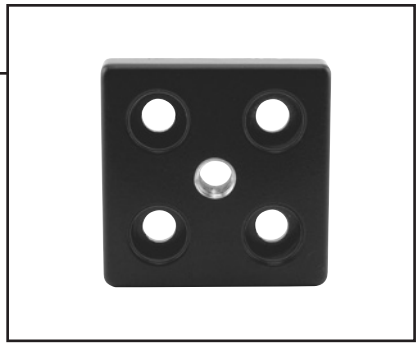
30 Series Base Plates

Die-Cast Zinc, Black Powder Coat

- **Attach to profile 30-6060 end using four (4) M8 SHCS**
- **Mounts leveling feet or stem casters to profile**
- **See page 1029 for profile end tap machining service**





Recommended Mounting Hardware (Mount to Profile End):

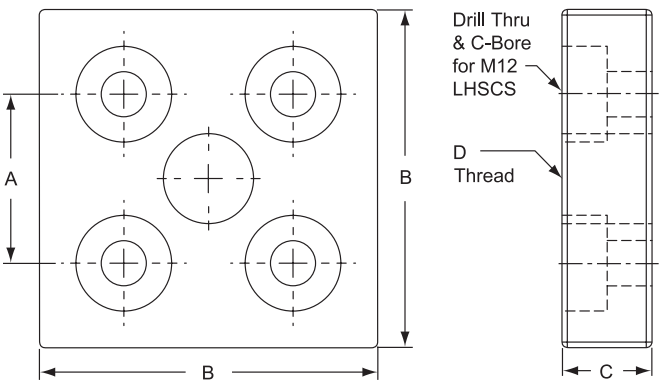
Part No.	Qty	Description
11-8518	4	M8 x 18mm SHCS

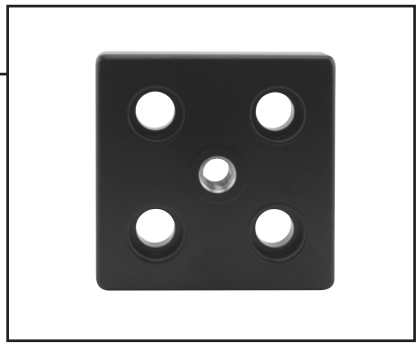
Part No.	A	B	C	D (Thread)	kg.	Compatibility Code*
14035	30.00	60.00	16.00	M8	.1814	8-30
14037				M10	.1814	
14039				M12	.1769	
14041				M16	.1724	

45 Series Base Plates

Die-Cast Zinc, Black Powder Coat

- **Attach to profile 45-9090 end using four (4) M12 LHSCS**
- **Mounts leveling feet or stem casters to profile**
- **See page 1029 for profile end tap machining service**





Recommended Mounting Hardware (Mount to Profile End):

Part No.	Qty	Description
11-2525	4	M12 x 25mm LHSCS

Part No.	A	B	C	D (Thread)	kg.	Compatibility Code*
14043	45.00	90.00	16.00	M10	.4808	10-45
14045				M12	.4808	
14047				M16	.4717	

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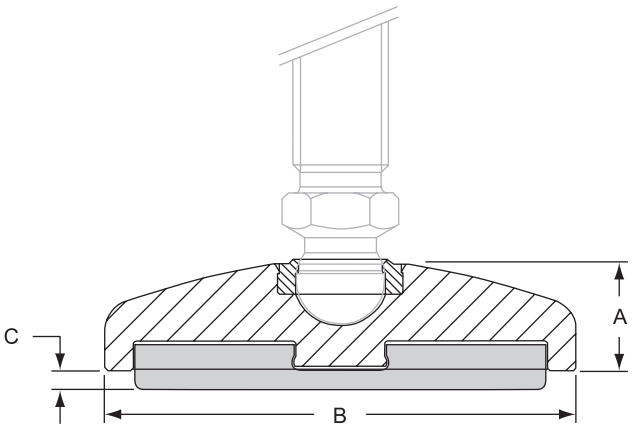
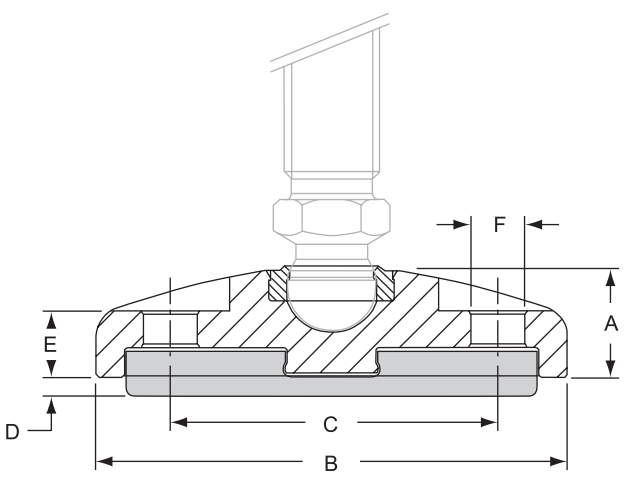
Base for Swivel Feet
Stainless Steel - SS 304



- **Heavy duty leveling feet have anti-slip rubber pads**
- **These bases require threaded stems shown on page 969**

Part No. with Anti-Slip Plate	Base	A	B (mm)	C	Max. Load kg.	kg.
12170	30.00	18.00	29.00	3.00	1995.00	.064
12172	40.00		39.00		2994.00	.100
12174	45.00		44.00		2994.00	.122
12176	50.00		49.00		3493.00	.159
12178	60.00		59.00		3493.00	.218
12182	80.00		79.00		3493.00	.381
12186	100.00		99.00		3992.00	.603

Base for Swivel Feet
Stainless Steel - SS 304



- **Heavy duty leveling feet with floor mount holes**
- **Anti-slip rubber pads included**
- **These bases require threaded stems shown on page 969**
- **See page 972 for wedge floor anchors**

Part No. with Anti-Slip Plate	Base	A	B (mm)	C (mm)	D	E	F	Max. Load kg.	kg.
12181	80.00	18.00	79.00	55.00	3.00	11.00	9.00	2994.00	.354
12185	100.00		99.00	74.00				3992.00	.585

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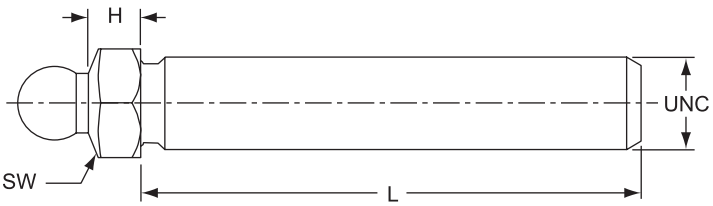
Threaded Stems for Swivel Feet

Zinc-Plated Steel & Stainless Steel - SS 304

- **Metric and fractional threads**
- **Zinc plated or stainless steel**
- **Use with swivel bases on page 968, 970**



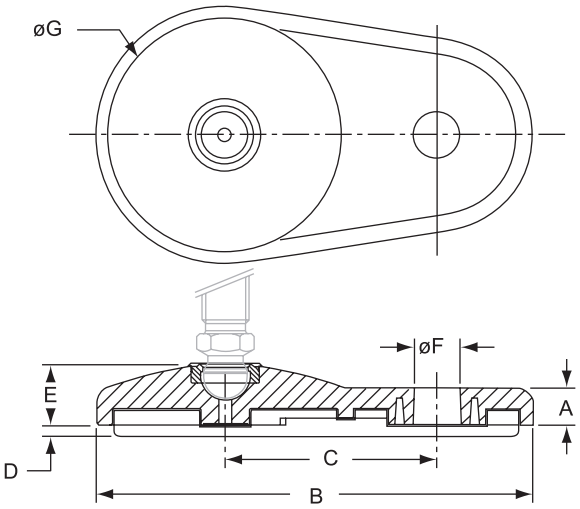
Stainless Steel Part No.	Zinc-Plated Steel Part No.	Threaded Rod (UNC)	L (in)	Max. Load kg.	kg.	Spanner Width (SW)	H (mm)
12229	12230	1/4-20	1.50	181.00	.032	14.00mm-9/16”	7.50
12245	12246	5/16-18	1.50	318.00	.036	14.00mm-9/16”	7.50
12247	12248	5/16-18	2.50	318.00	.045	14.00mm-9/16”	7.50
12249	12250	5/16-18	3.50	318.00	.054	14.00mm-9/16”	7.50
12237	12238	3/8-16	1.50	454.00	.045	14.00mm-9/16”	7.50
12239	12240	3/8-16	2.50	454.00	.054	14.00mm-9/16”	7.50
12241	12242	3/8-16	4.00	454.00	,068	14.00mm-9/16”	7.50
12243	-	3/8-16	6.00	454.00	.091	14.00mm-9/16”	7.50
12213	-	1/2-13	1.50	726.00	.054	14.00mm-9/16”	7.50
12215	12216	1/2-13	2.50	726.00	.073	14.00mm-9/16”	7.50
12217	12218	1/2-13	2.00	726.00	.067	14.00mm-9/16”	7.50
12221	12222	1/2-13	3.00	726.00	.087	14.00mm-9/16”	7.50
12223	12224	1/2-13	4.00	726.00	.109	14.00mm-9/16”	7.50
12227	12228	1/2-13	6.00	726.00	.145	14.00mm-9/16”	7.50
12231	12232	3/4-10	4.00	2404.00	.240	22.00mm-7/8”	10.50
12233	12234	3/4-10	6.00	2404.00	.331	22.00mm-7/8”	10.50

Stainless Steel Part No.	Zinc-Plated Steel Part No.	Threaded Rod (UNC)	L (mm)	Max. Load kg.	kg.	Spanner Width (SW)	H (mm)
12195	12390	M8	40.00	318.00	.036	14.00mm	7.50
12196	12392	M8	80.00	318.00	.050	14.00mm	7.50
12197	12394	M10	45.00	454.00	.041	14.00mm	7.50
12198	12396	M10	90.00	454.00	.068	14.00mm	7.50
12200	12400	M12	45.00	726.00	.054	14.00mm	7.50
12201	12402	M12	100.00	726.00	.095	14.00mm	7.50
12203	12406	M16	66.00	1406.00	.113	17.00mm	7.50
12204	12408	M16	125.00	1406.00	.191	17.00mm	7.50

To assemble swivel bases and threaded stems shown on pages 968-969:

Extended Base for Swivel Feet

Die-Cast Zinc, Black Powder Coat



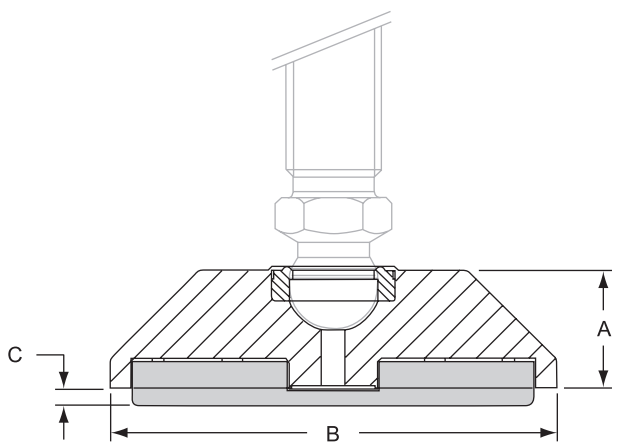
- **High load capacity for heavy applications**
- **Attach to the floor with wedge floor anchors on page 972**

Part No. with Anti-Slip Plate	Base	A	B	C	D	E	F	G	Max. Load kg.	kg.
12192	79.00	11.30	134.00	65.00	2.00	18.00	14.00	79.00	3000.0	.399

To assemble swivel bases and threaded stems, see instructions on page 969.

Trapezoid Base for Swivel Feet

Die-Cast Zinc, Black Powder Coat



- **Heavy duty leveling base for uneven floors**
- **See page 969 for a large selection of threaded stems**

Part No. with Anti-Slip Plate	A	B	C	Max. Load kg.	kg.
12194	20.00	76.00	2.00	3000.0	.254

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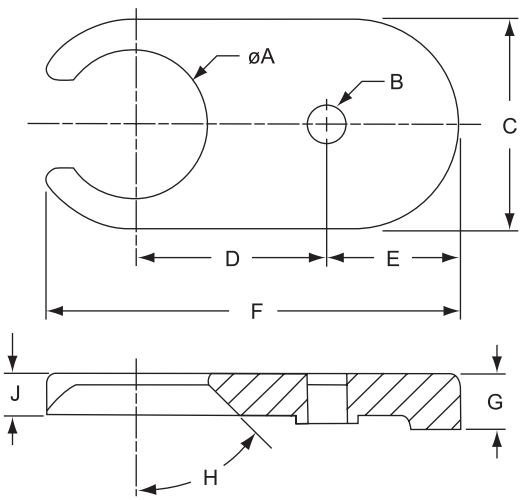
Trapezoid Base Anchor

Die-Cast Zinc, Black Powder Coat

- **Use with trapezoid base, Part No. 12194 shown on page 970**
- **Securely holds the base when using wedge floor anchors shown on page 972**



Part No.	A	B	C	D	E	F	G	H	J	Floor Mounting	For Base	kg.
12168	54.00	14.00	76.00	70.00	48.00	150.00	20.00	45°	15.00	for 12194	80.00	.485

To assemble swivel bases and threaded stems, see instructions on page 969.

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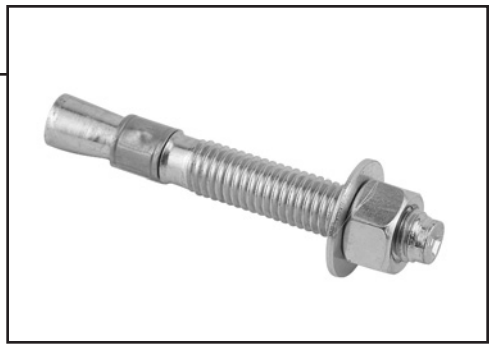
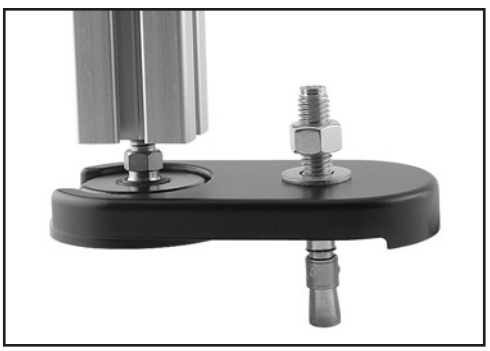
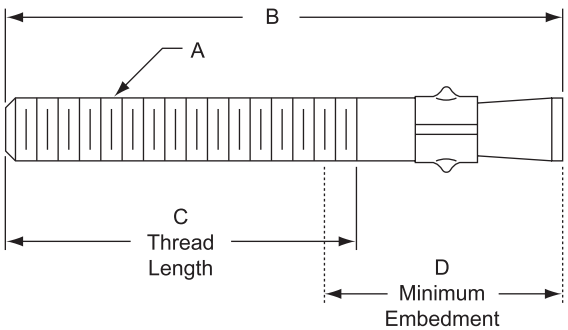
Wedge Floor Anchor
Zinc-Plated Carbon Steel



- **Mount fixture directly to solid concrete floor**
- **Hex nut and washer included**
- **Made of high-strength carbon steel**
- **Use with leveling anchor base plates on pages 964-965**
- **Values shown are average ultimate values; they are offered only as a guide and are not guaranteed.**





Part No.	A	B	C	D*	Tension (kg.)	Shear (kg.)	kg.
65-2904	1/4-20	44.45	19.05	28.60	803.30	822.35	.027
65-2905	1/4-20	82.55	57.15	28.60	1246.50	1275.95	.037
65-2901	3/8-16	69.85	41.15	38.10	1460.10	1827.50	.041
65-2902	3/8-16	95.25	66.55	38.10	2575.50	1952.70	.053
65-2903	3/8-16	127.00	63.50	38.10	2692.00	2077.90	.067
65-2906	1/2-13	95.25	57.15	57.15	2442.15	3129.80	.104
65-2907	1/2-13	139.70	76.20	57.15	3326.20	3378.80	.140
65-2908	1/2-13	177.80	114.30	57.15	4083.70	3627.85	.172

* (D) dimension is the minimum embedment.

Step #1

Step #2

Step #3

Step #1 Drill hole: Depth is embedment length plus 1/2". Diameter is the wedge anchor size. Clean out the hole.

Step #2 Thread nut on end of anchor to protect threads during installation. Hammer anchor to a depth so that threads are below the floor surface.

Step #3 Hand tighten nut, then 3 to 4 full turns with a wrench.

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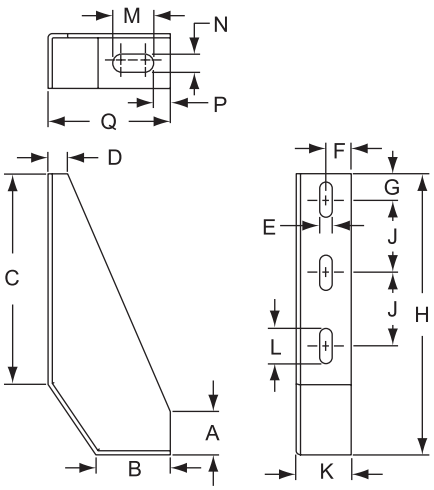
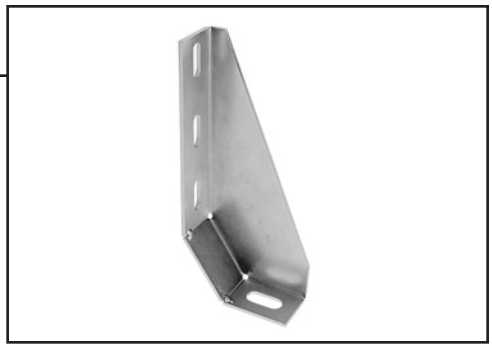
Steel Floor Bracket

Zinc-Plated Steel





- **Attach directly to 45 Series T-slot with hardware listed below**
- **Use wedge floor anchors on page 972 for mounting to concrete floors**

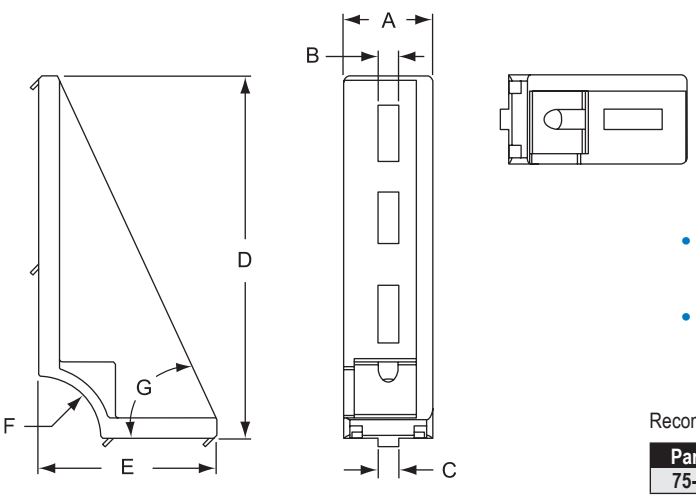
Recommended Mounting Hardware (Mount to Profile):

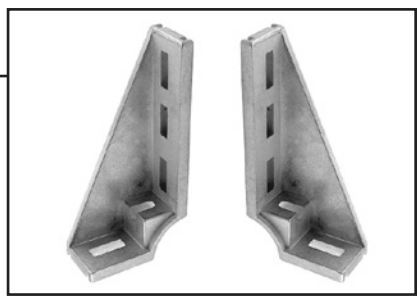
Part No.	Qty	Description	Compatibility Code*
3450	3	5/16-18 x 1/2 SHCS & Econ. T-nut	8-15
75-3624	3	M8 x 12mm SHCS & Slide In T-nut	8-40
75-3623	3	M8 x 16mm SHCS & Drop-In T-nut	10-45

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	kg.	Compatibility Code*
14010	31.00	53.00	150.00	14.00	9.00	19.50	18.50	200.00	52.00	39.00	25.00	29.00	13.00	12.00	87.00	.425	8-15, 8-40, 10-45

Aluminum Floor Bracket

Die-Cast Aluminum, Natural





- **Mounts directly to 45 Series T-slot with hardware listed below**
- **Use wedge floor anchors on page 972 for mounting to concrete floors**

Recommended Mounting Hardware (Mount to Profile):

Part No.	Qty	Description
75-3630	2	M8 x 20mm SHCS & Drop-In T-nut

Part No.	Position	A	B	C (Slot Tab)	D	E	F	G	kg.	Compatibility Code*
12028	Left	43.00	10.00	10.00	175.00	86.00	R30	65°	.276	10-45
12029	Right									

Note: Slot tabs (C) can be removed to sit level on the floor

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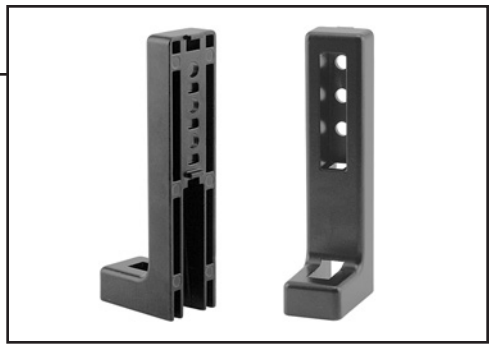
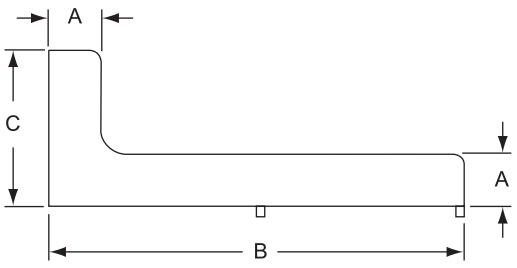
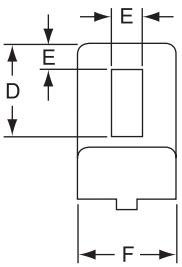
Floor Bracket

Die-Cast Zinc, Black Powder Coat

- **10, 15, 25, 30, 40 and 45 Series compatible**
- **Mounts to T-slot with recommended hardware listed below**
- **Fix profile to floor using wedge floor anchors on page 972**







Part No.	Floor Bracket	A	B	C	D	E	F	kg.	Compatibility Code*
14000	45 x 120 x 30	15.00	120.00	45.00	29.00	10.00	30.00	.217	6-10, 6-25
14002									8-15, 8-30, 8-40
14004									10-45
14006	60 x 160 x 38	20.00	160.00	60.00	25.00	10.00	38.00	.467	8-15, 8-40
14008									10-45

Recommended Fractional Mounting Hardware (Mount to T-slot):

Part No.	Bracket Part No.	Series	Qty	Description
3486	14000	10	2	1/4-20 x 3/8 SHCS & Econ. T-nut
3418	14002	15	2	1/4-20 x 5/8 BHSCS & Econ. T-nut
3462	14006	15	2	5/16-18 x 5/8 SHCS & Econ. T-nut

Recommended Mounting Hardware (Mount to T-slot):

Part No.	Bracket Part No.	Series	Qty	Description
75-3520	14000	25	2	M6 x 10mm SHCS & Drop-In T-nut
75-3590	14002	30	2	M6 x 10mm SHCS & Drop-In T-nut
75-3593	14002	40	2	M6 x 14mm SHCS & Drop-In T-nut
75-3594	14004	45	2	M6 x 14mm SHCS & Drop-In T-nut
75-3625	14006	40	2	M8 x 16mm SHCS & Slide-In T-nut
75-3623	14008	45	2	M8 x 16mm SHCS & Slide-In T-nut

* See Compatibility Code information on page 833.

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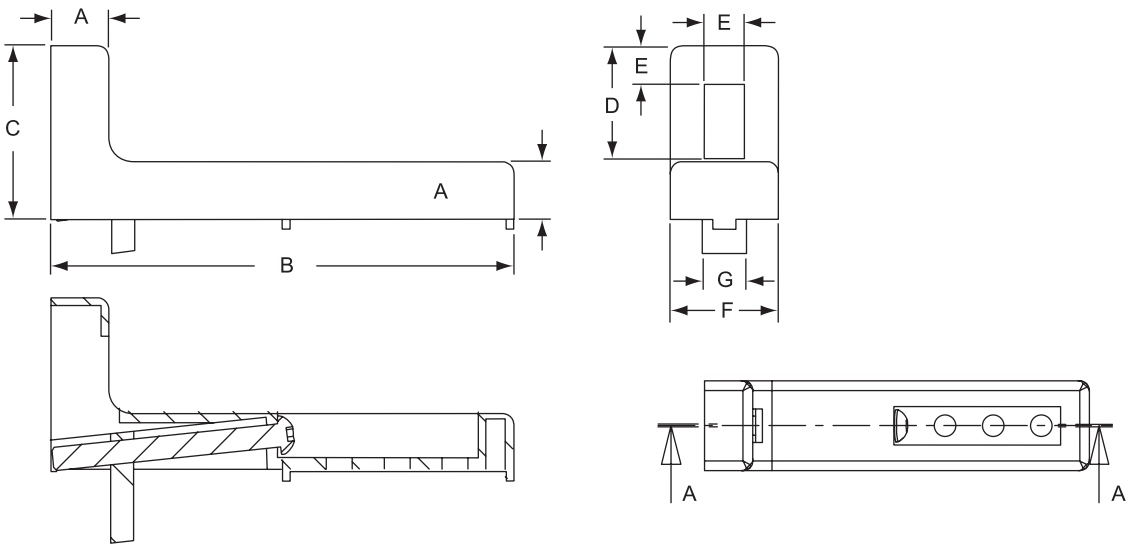
Adjustable Floor Bracket

Die-Cast Zinc, Black Powder Coat

- **10, 15, 25, 30, 40 and 45 series compatible**
- **Height adjustable screw in front activates stop plate in the slot on the back of the bracket**
- **Use wedge floor anchors on page 972 to fix to the floor**



Part No.	Floor Bracket	A	B	C	D	E	F	G (Slot Tab)	kg.	Lifting Height (mm)	Compatibility Code*
14001	45 x 120 x 30	15.00	120.00	45.00	29.00	10.00	30.00	6.00	.216	52.00	6-10, 6-25
14003								8.00			8-15, 8-30, 8-40
14005								10.00			10-45
14007	60 x 160 x 38	20.00	160.00	60.00	25.00	10.00	38.00	8.00	.499	72.00	8-15, 8-40
14009								10.00			10-45

Recommended Fractional Mounting Hardware (Mount to T-slot):

Part No.	Bracket Part No.	Series	Qty	Description
3486	14001	10	2	1/4-20 x 3/8 SHCS & Econ. T-nut
3418	14003	15	2	1/4-20 x 5/8 BHSCS & Econ. T-nut
3462	14007	15	2	5/16-18 x 5/8 SHCS & Econ. T-nut

Recommended Mounting Hardware: (Mount to T-slot):

Part No.	Bracket Part No.	Series	Qty	Description
75-3520	14001	25	2	M6 x 10mm SHCS & Drop-In T-nut
75-3590	14003	30	2	M6 x 10mm SHCS & Drop-In T-nut
75-3593	14003	40	2	M6 x 14mm SHCS & Drop-In T-nut
75-3594	14005	45	2	M6 x 14mm SHCS & Drop-In T-nut
75-3625	14007	40	2	M8 x 16mm SHCS & Slide-In T-nut
75-3623	14009	45	2	M8 x 16mm SHCS & Slide-In T-nut

* See Compatibility Code information on page 833.

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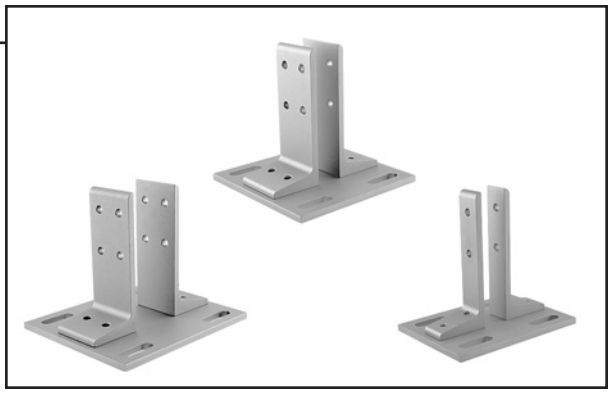
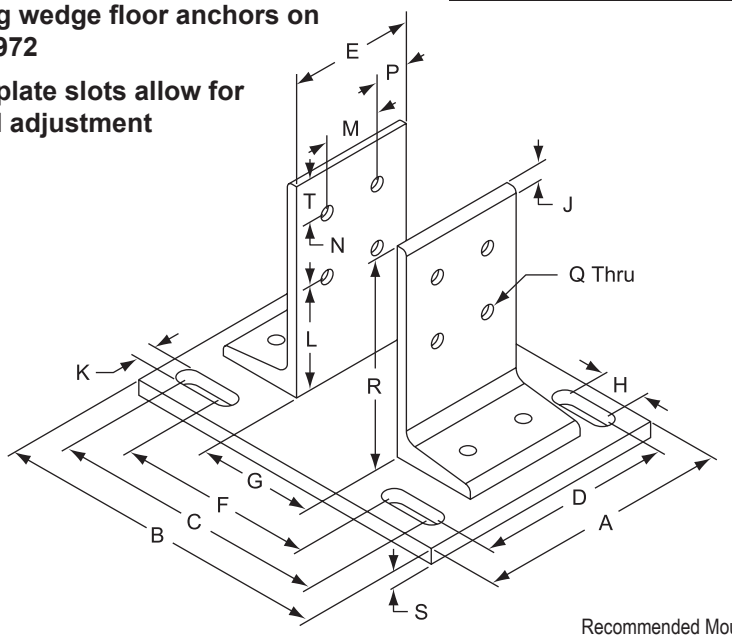
Floor Mount Base Plates



- **25 and 40 Series compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Allows for vertical adjustment by bolting directly to profile T-slots**
- **Strong, economical method of mounting frame to floor**
- **Easily secure frame in place by adding wedge floor anchors on page 972**
- **Base plate slots allow for lateral adjustment**

Page 757



Recommended Mounting Hardware (Mount to Profile T-Slot):

Part No.	Description	Base Plate	Quantity
75-3412	M6 x 12mm SHCS & Economy T-Nut	25-2380	4
		25-2385	8
		25-2387	8
75-3500	M8 x 20mm Economy T-Slot Stud w/Washer & Hex Nut	40-2390	4
		40-2400	8
		40-2410	8
OR			
75-3422	M8 x 16mm BHSCS & Economy T-Nut	40-2390	4
		40-2400	8
		40-2410	8

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	kg.
25-2380	100.00	160.00	130.00	70.00	25.00	70.00	25.00	30.00	6.00	11.00	80.00	—	40.00	12.50	ø7.00	140.00	6.00	20.00	.395
25-2385	140.00	160.00	130.00	110.00	50.00	70.00	25.00	30.00	6.00	11.00	80.00	25.00	40.00	12.50	ø7.00	140.00	6.00	20.00	.703
25-2387	140.00	182.00	152.00	110.00	50.00	92.00	50.00	30.00	6.00	11.00	80.00	25.00	40.00	12.50	ø7.00	140.00	6.00	20.00	.712
40-2390	140.00	160.00	130.00	110.00	40.00	70.00	40.00	30.00	6.00	13.50	80.00	—	40.00	20.00	ø8.30	140.00	9.00	20.00	.703
40-2400	160.00	160.00	130.00	130.00	80.00	70.00	40.00	30.00	6.00	13.50	80.00	40.00	40.00	20.00	ø8.30	140.00	9.00	20.00	1.110
40-2410	160.00	200.00	170.00	130.00	80.00	110.00	80.00	30.00	6.00	13.50	80.00	40.00	40.00	20.00	ø8.30	140.00	9.00	20.00	1.260

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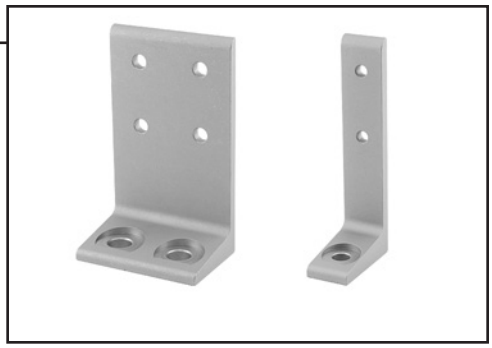
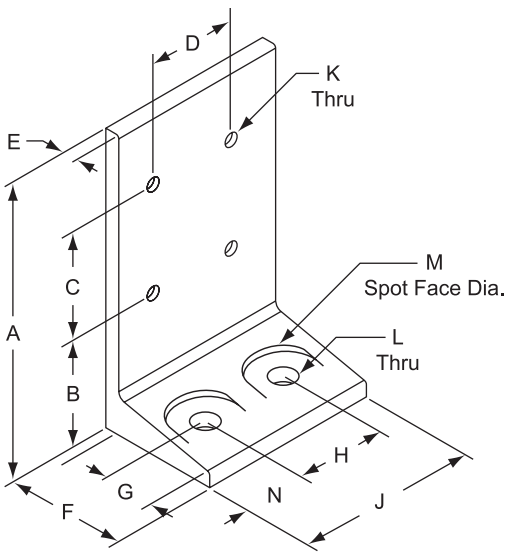
Economy Floor Mount Base Plates

- 25 and 40 Series compatible
- Made of 6105-T5 clear anodized aluminum
- Works great with wedge floor anchors on page 972
- Very strong method of mounting frame to floor
- Allows for vertical adjustment by bolting directly to profile T-slots



Page 757



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	kg.
25-2414	140.00	80.00	40.00	—	6.00	56.00	20.00	—	25.00	ø6.30	ø10.50	22.00	12.50	.086
25-2416	140.00	80.00	40.00	25.00	6.00	56.00	20.00	25.00	50.00	ø6.30	ø10.50	22.00	12.50	.173
40-2415	140.00	80.00	40.00	—	6.00	56.00	20.00	—	40.00	ø8.30	ø13.50	28.00	20.00	.140
40-2417	140.00	80.00	40.00	40.00	6.00	56.00	20.00	40.00	80.00	ø8.30	ø13.50	28.00	20.00	.281

Recommended Mounting Hardware (Mount to Profile T-Slot):

Part No.	Description	Base Plate	Quantity
75-3412	M6 x 12mm SHCS & Economy T-Nut	25-2414	2
		25-2416	4
75-3500	M8 x 20mm Economy T-Slot Stud w/Washer & Hex Nut	40-2415	2
		40-2417	4
OR			
75-3422	M8 x 16mm BHSCS & Economy T-Nut	40-2415	2
		40-2417	4

80/20® Inc.
*The **Industrial** Erector Set®*
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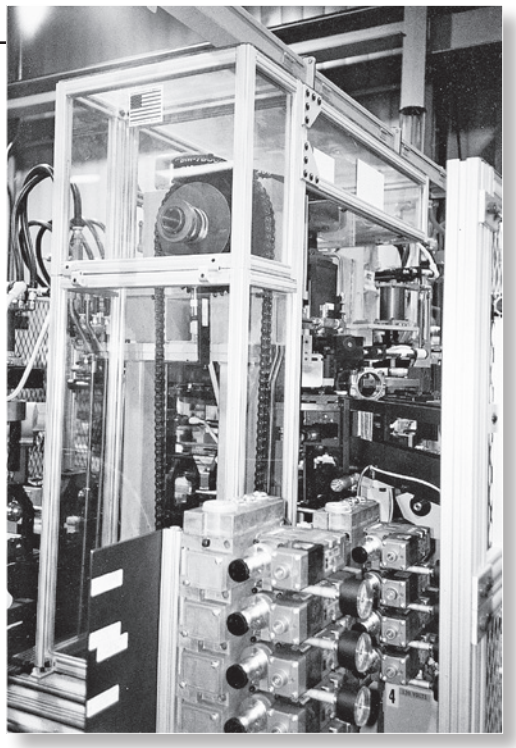
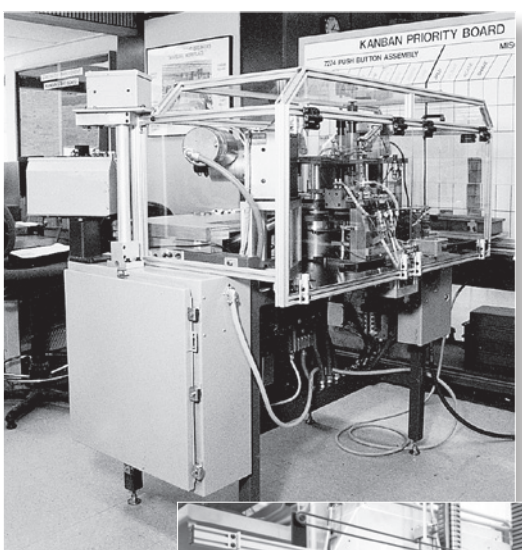
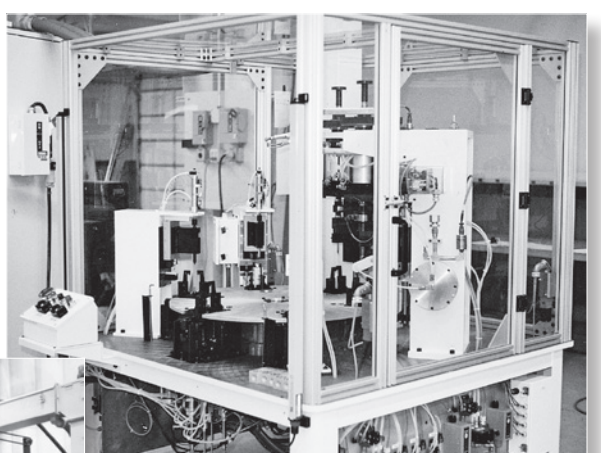
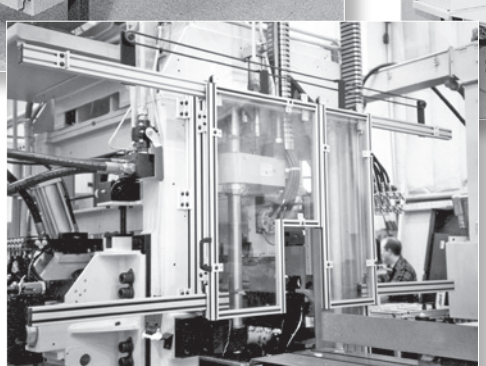
Modular Machine Guarding by 80/20®

- **Wire mesh guarding keeps hands safe while allowing visual monitoring of components.**
- **Guards machinery, electrical components or computers; allows airflow across electronic components to keep everything looking and running cool!**
- **Modular – easy to add new sections when application needs change.**
- **Looks professional and clean, yet is extremely cost effective.**









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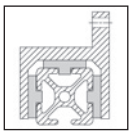
Section #9 Pictorial Table Of Contents

How To Order

Page 980

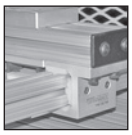
Bearing Guiderail System Concept

Page 981

Single Flange Bearings

Page 982

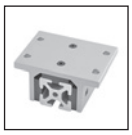
Double Flange Bearings

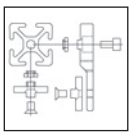
Pages 983-984

High-Cycle Bearing Concept

Page 985

High-Cycle Single Flange Bearings

Page 986

High-Cycle Double Flange Bearings

Pages 987-988

UniBearing™ Bearing Concept

Pages 989-991

Single UniBearing™ Bearings

Page 992

Double UniBearing™ Bearings

Page 993

UniBearing™ Bearing Assemblies

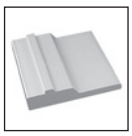
Page 994

Custom Linear Bearings

Page 995

Flanged Bearing Profiles

Page 996

UniBearing™ Profiles

Page 997

Standard Bearing Pads

Page 998

Top-Mount Bearing Pads

Page 999

High-Cycle Bearing Pads

Page 1000

Linear Bearing Shim Stock

Page 1001

UniBearing™ Bearing Pads

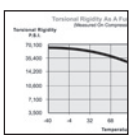
Pages 1002-1003

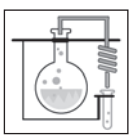
Custom Bearing Pad Profiles

Page 1004

Engineering Specifications

Page 1005

Load Bearing Properties

Page 1006

Chemical Resistance

Page 1007

Linear Bearing Brake Kits

Page 1008

Linear Bearing Brake Holes

Page 1009

Roller Wheels

Pages 1010-1011

Roller Wheel Brackets

Page 1012

Roller Wheel Assemblies

Page 1013

Legend for Icons

This part can use double economy T-nuts. See page 757.

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*The **Industrial** Erector Set®*
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How to Order 80/20® Linear Bearings

When ordering linear motion components, it is important to review the three types of bearings available and make the best choice for your application. Be sure to list all brake hole locations and machining part numbers. If you would like a custom bearing, select from the bearing housing profiles listed on page 996. Simply provide a sketch with specific information such as overall length, and mounting hole diameter and location, along with any other additional machining. Select from the bearing pad profiles listed on page 1004 to complete your custom bearing.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/UOM	Ext. Price
1	25-2525	2	469.9mm	25-7042 in A both ends	$0.01	$7.89
	40-4040-Lite-4m	5	4 m	Full length profile	$80.00	$400.00
	40-8016	4	1016.0mm	40-7029 one end	$0.14	$554.74
	40-8080	4	914.4mm	40-7050 style MG in W, X both ends	$0.06	$230.43
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	65-2611	1	.63 sm	6mm bronze polycarb 1 @ 457.2mm x 1016mm w/ 25-7311 per drawing	$111.95	$70.53
4	65-7150	1		Cut plastic panels all sides < -1220mm	$10.50	$10.50
	25-7042	4		25 Series anchor fastener counterbore	$2.25	$9.00
	25-7005	2		Cut-to-length for 25-2525	$1.95	$3.90
	40-7023	4		Cut-to-length for 40-8016	$2.90	$11.60
	40-7030	4		Cut-to-length for 40-8080	$2.60	$10.40
	40-7050	64		40 Series drill access hole	$1.95	$124.80
	40-7029	4		5/16-18 tap service for 40-8016	$15.20	$60.80
	25-7311	2		Anchor fastener notch for 25 Series	$0.53	$1.06
5	40-3891	32		40 Series M8 bright zinc end fastener w/ screw	$1.65	$52.80
	25-2114	16		Gray T-Slot covers for 25 Series	$3.45	$55.20
	40-2050	8		End caps for 40-8080	$1.85	$14.80
	25-3896	4		25 Series anchor fasteners	$3.10	$12.40
	40-1982	5		40 Series M8 bright zinc double economy T-nut	$0.84	$4.20
	25-4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	75-3404	24		25 Series M6 BHSCS & economy T-nut	$0.45	$10.80

TOTAL $1739.25

NOTE: Prices shown for illustration use only. Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 640-694 • 2 - Custom Parts = Pages 695-710 • 3 - Panels = Pages 831-914
4 - Machining Services = Pages 1025-1078 • 5 - Accessories & Tools = Pages 915-938 & 1015-1024

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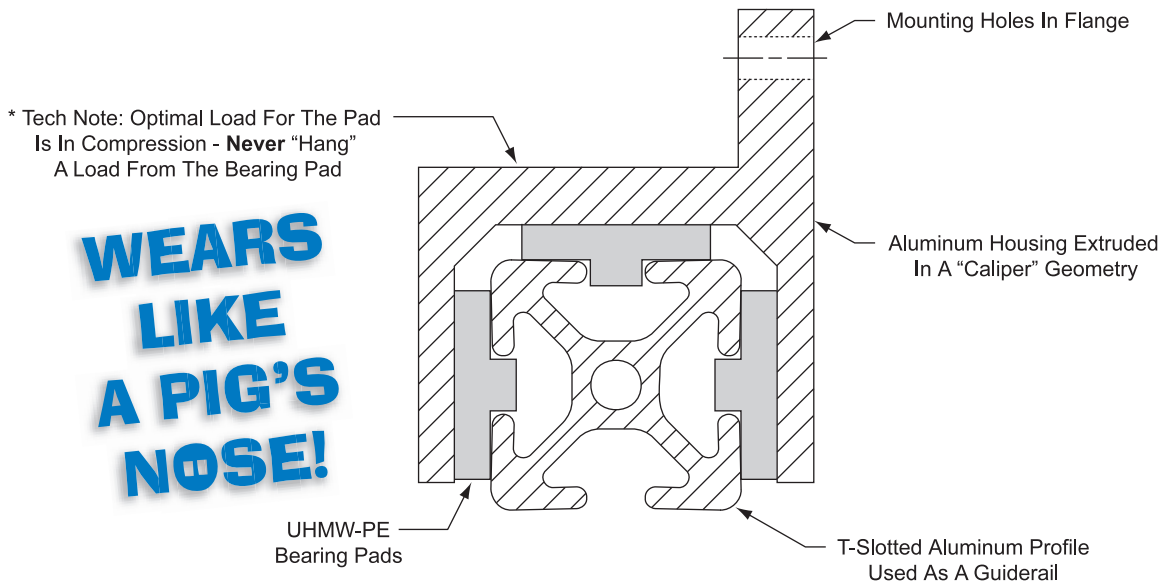
The Concept Of The Bearing & Guiderail System

The drawing below shows the general concept for 80/20®'s linear bearing design. The bearing profile is used to mount UHMW-PE bearing pads; the pads are then inserted into the T-slot of an 80/20 aluminum T-slotted profile. The bearing uses the profile as a "guiderail", sliding along the profile's T-slots.

It is important to note that the UHMW-PE bearing pads are self lubricating, which makes this method of linear motion clean and smooth. All bearings are designed for compression loads only, and should **NEVER** be used to support hanging loads.

* UHMW-PE is an abbreviation for Ultra High Molecular Weight Polyethylene. UHMW-PE is an easily machined, self-lubricating plastic with a low coefficient of friction. For more information on UHMW-PE, refer to pages 1005-1007.



Standard Linear Bearing Advantages

- Cost-effective alternative to traditional bearings.
- Designed to mate and glide on our family of T-slotted aluminum profiles.
- Great for unique applications such as drawer glides, door guides, table saw fences, digital length measuring systems, optical sensing mounts, drum set cymbal mounts, workstation height adjustments, etc.

80/20® Linear Motion Advantages

- **Cost-effective alternative to traditional bearings.**
- **Designed to mate and glide on our family of T-slotted aluminum profiles.**
- **Great for unique applications such as: drawer glides, door guides, table saw fences, digital length measuring systems, optical sensing mounts, drum set cymbal mounts, work station height adjustments, etc.**

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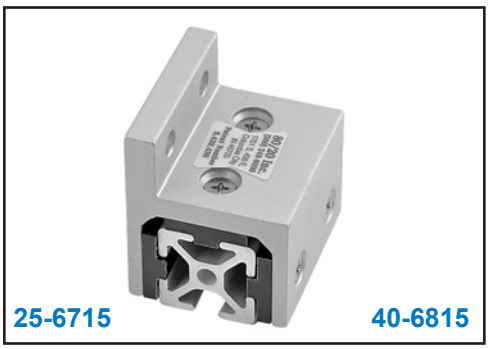
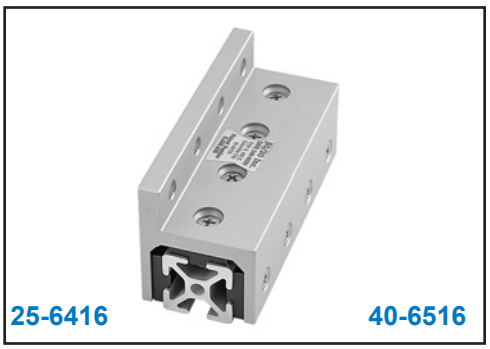
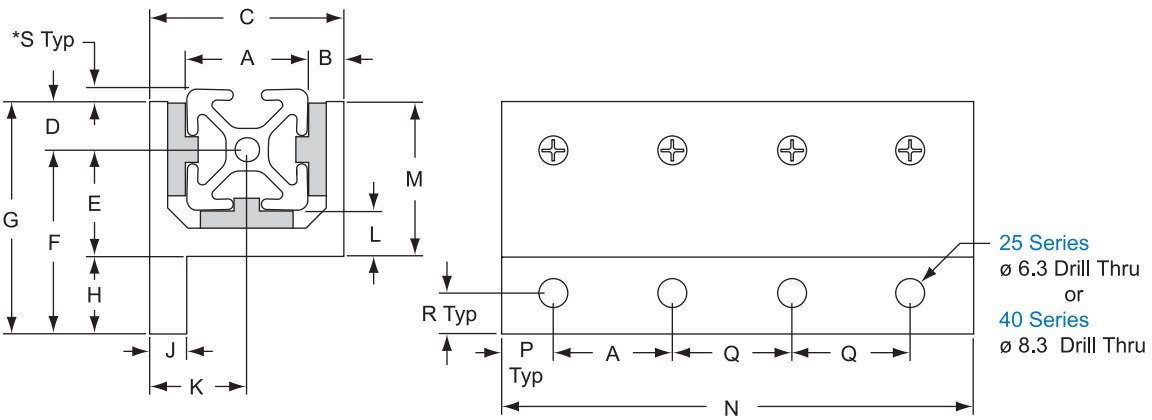
Single Flange Linear Bearings





- **Bearings include bearing pads, screws and shims**



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S*	kg.
25-6715	25.00	8.10	41.20	10.69	22.50	39.04	49.75	16.50	8.00	20.60	9.80	33.24	47.00	11.00	—	8.23	1.80	.091
25-6415**	25.00	8.10	41.20	10.69	22.50	39.04	49.75	16.50	8.00	20.60	9.80	33.24	47.00	11.00	—	8.23	1.80	.091
25-6716	25.00	8.10	41.20	10.69	22.50	39.04	49.75	16.50	8.00	20.60	9.80	33.24	100.00	12.50	25.00	8.23	1.80	.193
25-6416**	25.00	8.10	41.20	10.69	22.50	39.04	49.75	16.50	8.00	20.60	9.80	33.24	100.00	12.50	25.00	8.23	1.80	.193
40-6815	40.00	12.09	65.10	17.42	35.38	54.38	71.80	19.00	12.00	32.60	15.24	52.83	75.00	17.50	—	9.50	2.58	.333
40-6515**	40.00	12.09	65.10	17.42	35.38	54.38	71.80	19.00	12.00	32.60	15.24	52.83	75.00	17.50	—	9.50	2.58	.333
40-6816	40.00	12.09	65.10	17.42	35.38	54.38	71.80	19.00	12.00	32.60	15.24	52.83	160.00	20.00	40.00	9.50	2.58	.712
40-6516**	40.00	12.09	65.10	17.42	35.38	54.38	71.80	19.00	12.00	32.60	15.24	52.83	160.00	20.00	40.00	9.50	2.58	.712

*25 Series: Add 25mm when using a 25-2550 profile.
*40 Series: Add 40mm when using 40-4080 / 40-4080-Lite profiles or 80mm when using a 40-4012 profile.

** Brake Kit Ready Bearings are pre-drilled with brake holes, refer to page 1009 for additional information.

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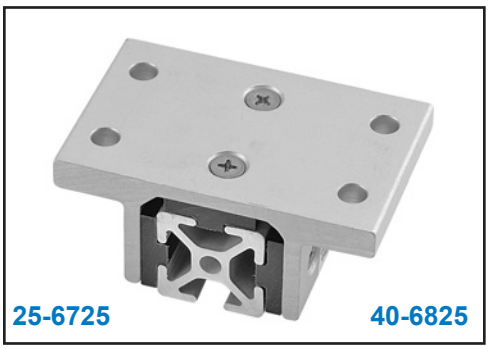
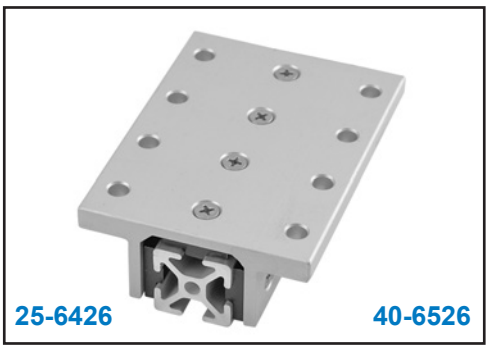
Double Flange Linear Bearings

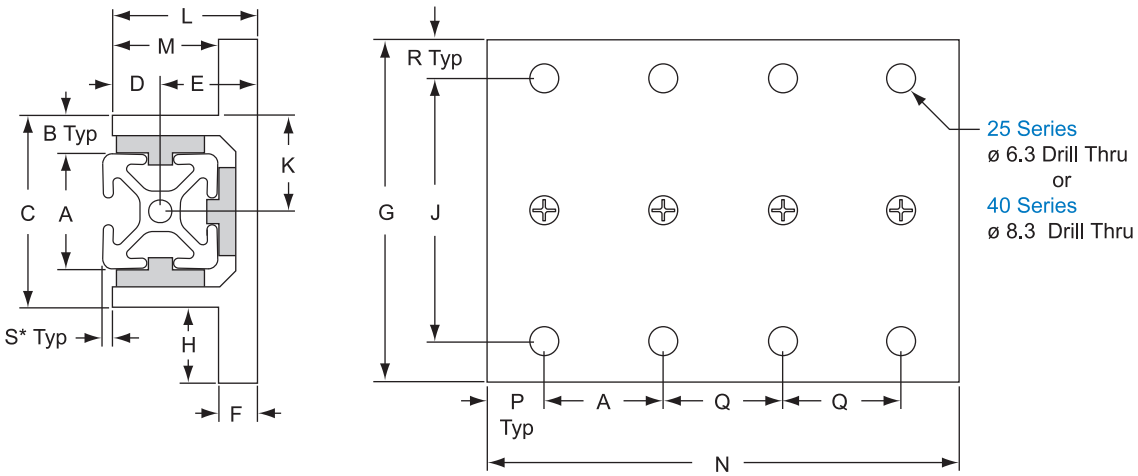


25-6725 40-6825



25-6426 40-6526

- **Bearings include bearing pads, screws and shims**



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S*	kg.
25-6725	25.00	8.10	41.20	10.90	20.30	8.00	74.15	16.50	57.12	22.55	31.25	23.25	47.00	11.00	—	8.45	1.80	.096
25-6425**	25.00	8.10	41.20	10.90	20.30	8.00	74.15	16.50	57.12	22.55	31.25	23.25	47.00	11.00	—	8.45	1.80	.096
25-6726	25.00	8.10	41.20	10.90	20.30	8.00	74.15	16.50	57.12	22.55	31.25	23.25	100.00	12.50	25.00	8.45	1.80	.200
25-6426**	25.00	8.10	41.20	10.90	20.30	8.00	74.15	16.50	57.12	22.55	31.25	23.25	100.00	12.50	25.00	8.45	1.80	.200
40-6825	40.00	12.09	65.10	17.42	32.55	9.00	103.12	19.00	84.10	32.60	50.00	41.00	75.00	17.50	—	9.51	2.58	.317
40-6525**	40.00	12.09	65.10	17.42	32.55	9.00	103.12	19.00	84.10	32.60	50.00	41.00	75.00	17.50	—	9.51	2.58	.317
40-6826	40.00	12.09	65.10	17.42	32.55	9.00	103.12	19.00	84.10	32.60	50.00	41.00	160.00	20.00	40.00	9.51	2.58	.674
40-6526**	40.00	12.09	65.10	17.42	32.55	9.00	103.12	19.00	84.10	32.60	50.00	41.00	160.00	20.00	40.00	9.51	2.58	.674

*25 Series: Add 25mm when using a 25-2550 profile.
*40 Series: Add 40mm when using 40-4080 / 40-4080-Lite profiles or 80mm when using a 40-4012 profile.

** Brake Kit Ready Bearings are pre-drilled with brake holes, refer to page 1009 for additional information.

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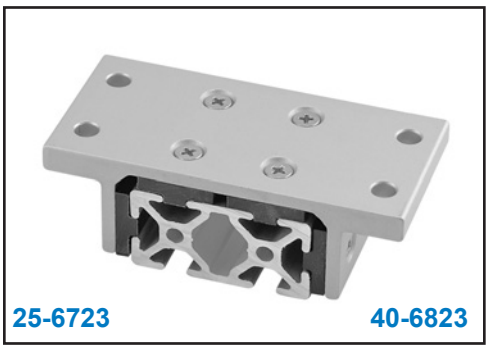
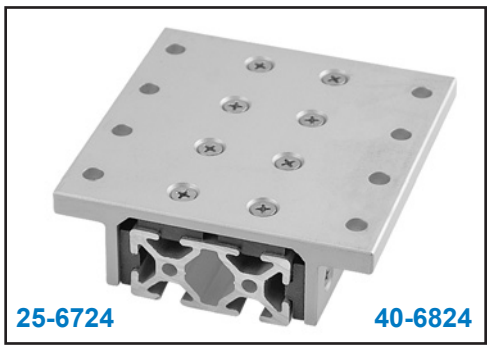
Double Flange Linear Bearings continued

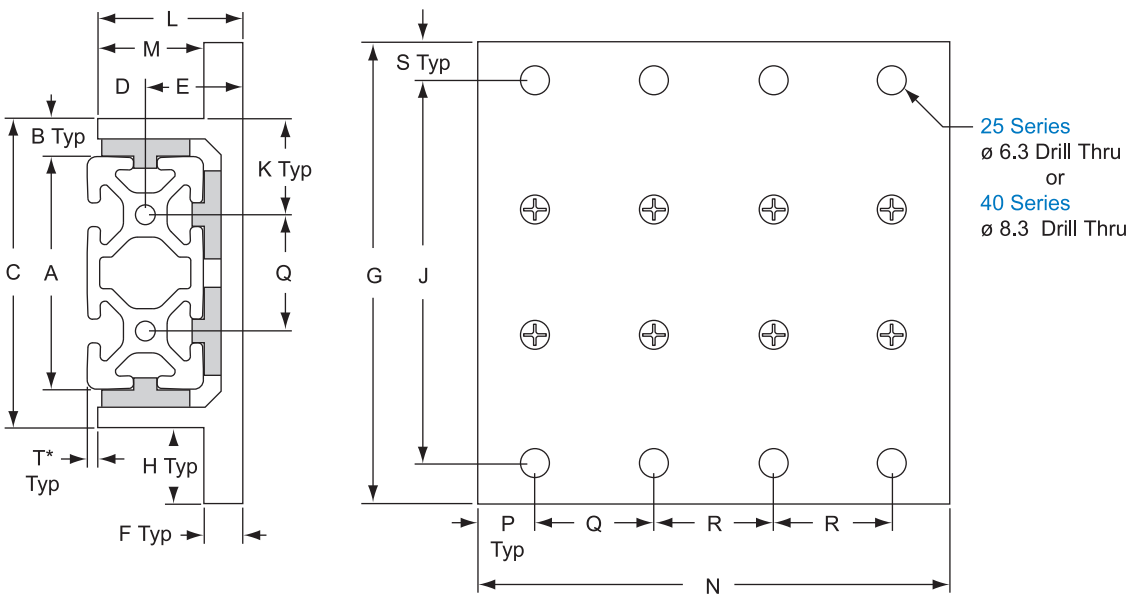


25-6723 40-6823



25-6724 40-6824

- **Bearings include bearing pads, screws and shims**



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T*	kg.
25-6723	50.00	8.10	66.20	10.69	20.30	8.00	99.26	16.50	82.30	22.53	31.25	23.25	47.00	11.00	25.00	—	8.48	1.80	.111
25-6423**	50.00	8.10	66.20	10.69	20.30	8.00	99.26	16.50	82.30	22.53	31.25	23.25	47.00	11.00	25.00	—	8.48	1.80	.111
25-6724	50.00	8.10	66.20	10.69	20.30	8.00	99.26	16.50	82.30	22.53	31.25	23.25	100.00	12.50	25.00	25.00	8.48	1.80	.234
25-6424**	50.00	8.10	66.20	10.69	20.30	8.00	99.26	16.50	82.30	22.53	31.25	23.25	100.00	12.50	25.00	25.00	8.48	1.80	.234
40-6823	80.00	12.90	105.30	17.42	32.55	9.00	143.30	19.00	124.30	32.65	50.00	41.00	75.00	17.50	40.00	—	9.50	2.58	.386
40-6523**	80.00	12.90	105.30	17.42	32.55	9.00	143.30	19.00	124.30	32.65	50.00	41.00	75.00	17.50	40.00	—	9.50	2.58	.386
40-6824	80.00	12.90	105.30	17.42	32.55	9.00	143.30	19.00	124.30	32.65	50.00	41.00	160.00	20.00	40.00	40.00	9.50	2.58	.812
40-6524**	80.00	12.90	105.30	17.42	32.55	9.00	143.30	19.00	124.30	32.65	50.00	41.00	160.00	20.00	40.00	40.00	9.50	2.58	.812

*25 Series: Add 25mm when using a 25-5050 profile.

*40 Series: Add 40mm when using 40-8080 profiles or 120mm when using a 40-8016 profile.

** Brake Kit Ready Bearings are pre-drilled with brake holes, refer to page 1009 for additional information.

High-Cycle Linear Bearings Introduction

40 Series high-cycle Linear Bearings contain special threaded inserts in the bearing pads. These inserts allow for a more heavy-duty bearing, capable of withstanding high-cycles with sudden accelerations and decelerations. 80/20®'s standard bearings work well in almost all applications. However, if you have a rapid acceleration/deceleration, high-cycle application in mind, then 80/20's high-cycle bearings were made especially for you!

Use high-cycle bearings in applications such as actuators, parts transfers, or pick-and-place operations. The high-cycle bearing is just another fine feature offered by 80/20 to add more versatility to your application.

High-Cycle Bearing Advantages

- Special threaded inserts specifically designed for sudden accelerations/decelerations.
- Can be shimmed for a precise fit, like all 80/20 linear bearings.
- You can design your own custom high-cycle bearing.

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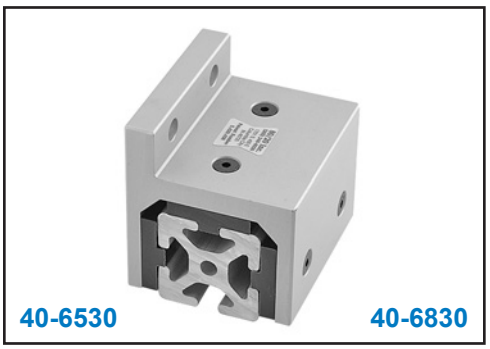
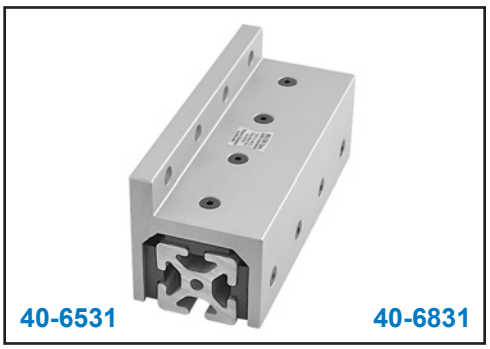
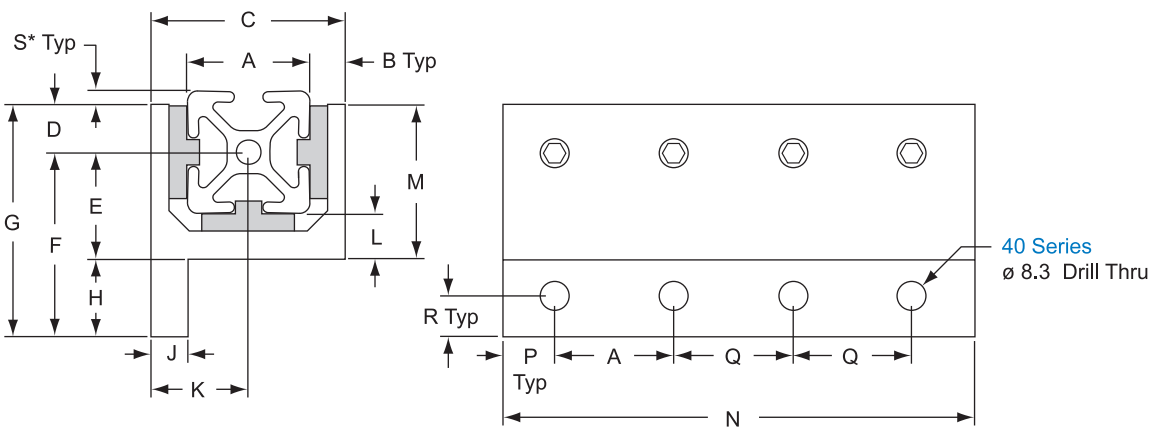
High-Cycle Single Flange Linear Bearings





- **Bearings include bearing pads, screws and shims**



9

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S*	kg.
40-6830	40.00	12.09	65.10	17.42	35.38	54.38	71.80	19.00	12.00	32.60	15.24	52.83	75.00	17.50	—	9.50	2.58	.333
40-6530**	40.00	12.09	65.10	17.42	35.38	54.38	71.80	19.00	12.00	32.60	15.24	52.83	75.00	17.50	—	9.50	2.58	.333
40-6831	40.00	12.09	65.10	17.42	35.38	54.38	71.80	19.00	12.00	32.60	15.24	52.83	160.00	20.00	40.00	9.50	2.58	.712
40-6531**	40.00	12.09	65.10	17.42	35.38	54.38	71.80	19.00	12.00	32.60	15.24	52.83	160.00	20.00	40.00	9.50	2.58	.712

* 40 Series: Add 40mm when using 40-4080 / 40-4080-Lite profiles or 80mm when using a 40-4012 profile.

** Brake Kit Ready Bearings are pre-drilled with brake holes, refer to page 1009 for additional information.

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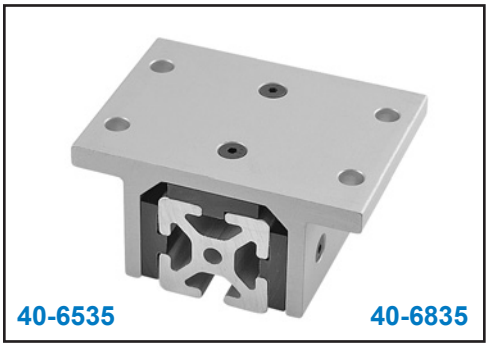
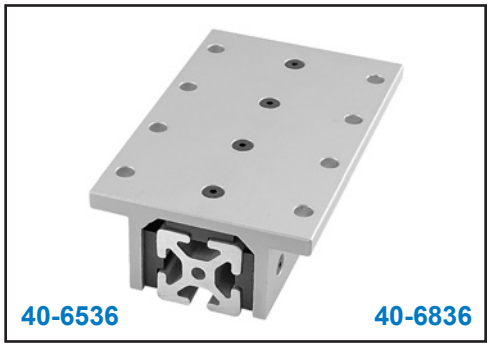
High-Cycle Double Flange Linear Bearings

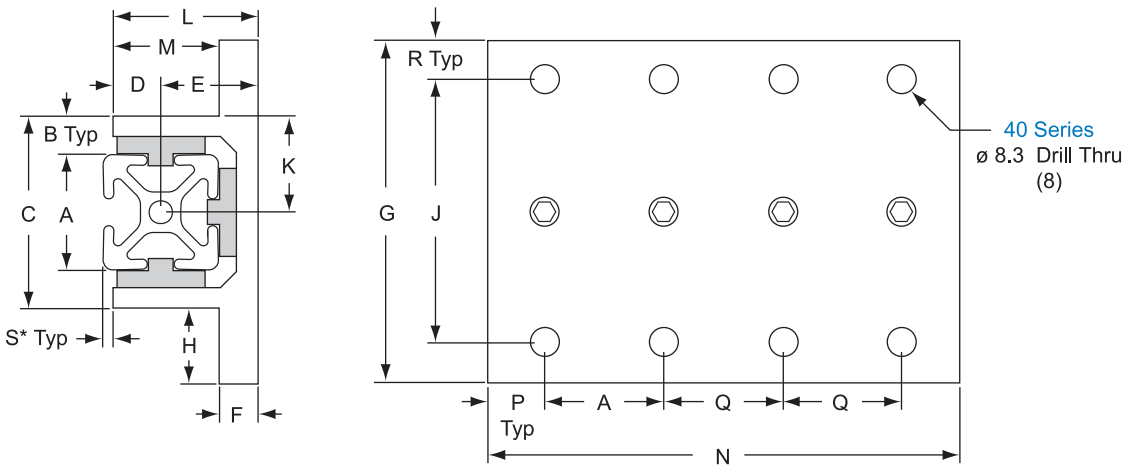


40-6535 40-6835



40-6536 40-6836

- **Bearings include bearing pads, screws and shims**

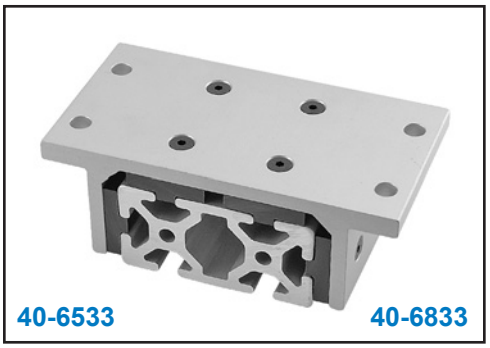


Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S*	kg.
40-6835	40.00	12.09	65.10	17.42	32.55	9.00	103.12	19.00	84.10	32.60	50.00	41.00	75.00	17.50	—	9.51	2.58	.317
40-6535**	40.00	12.09	65.10	17.42	32.55	9.00	103.12	19.00	84.10	32.60	50.00	41.00	75.00	17.50	—	9.51	2.58	.317
40-6836	40.00	12.09	65.10	17.42	32.55	9.00	103.12	19.00	84.10	32.60	50.00	41.00	160.00	20.00	40.00	9.51	2.58	.674
40-6536**	40.00	12.09	65.10	17.42	32.55	9.00	103.12	19.00	84.10	32.60	50.00	41.00	160.00	20.00	40.00	9.51	2.58	.674

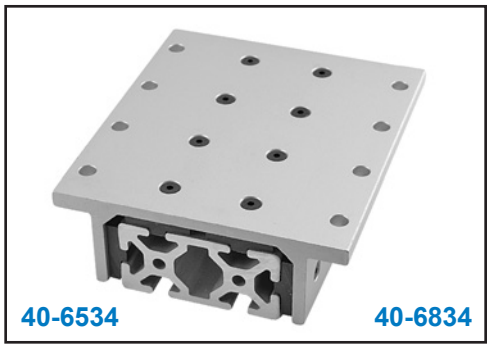
* 40 Series: Add 40mm when using 40-4080 / 40-4080-Lite profiles or 80mm when using a 40-4012 profile.

** Brake Kit Ready Bearings are pre-drilled with brake holes, refer to page 1009 for additional information.

High-Cycle Double Flange Linear Bearings continued

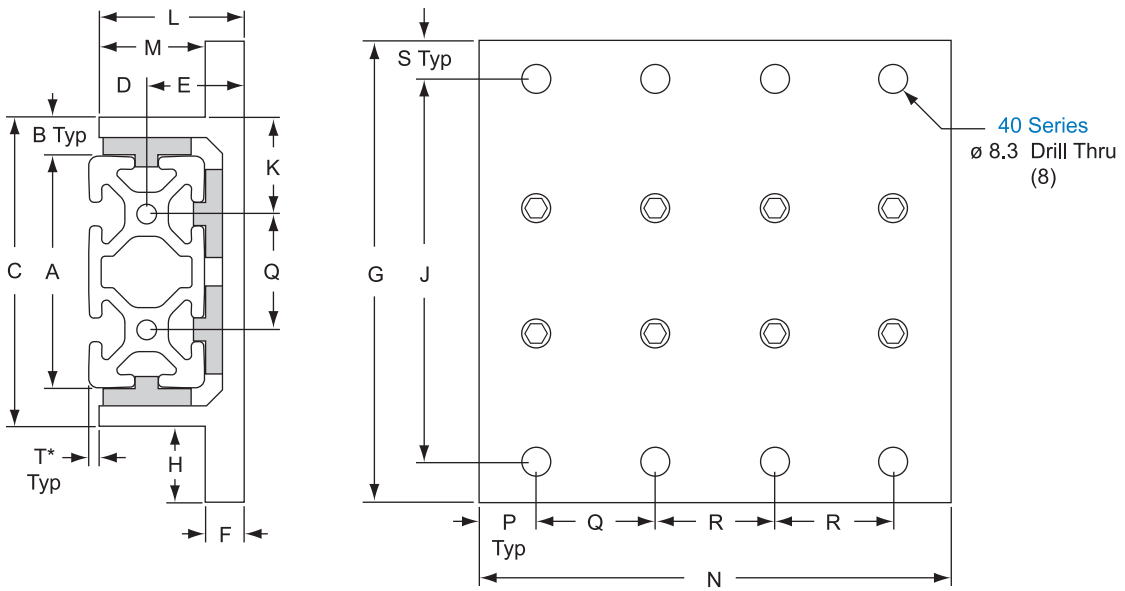


40-6533 40-6833



40-6534 40-6834

- **Bearings include bearing pads, screws and shims**



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T*	kg.
40-6833	80.00	12.90	105.30	17.42	32.55	9.00	143.30	19.00	124.30	32.65	50.00	41.00	75.00	17.50	40.00	—	9.51	2.58	.386
40-6533**	80.00	12.90	105.30	17.42	32.55	9.00	143.30	19.00	124.30	32.65	50.00	41.00	75.00	17.50	40.00	—	9.51	2.58	.386
40-6834	80.00	12.90	105.30	17.42	32.55	9.00	143.30	19.00	124.30	32.65	50.00	41.00	160.00	20.00	40.00	40.00	9.51	2.58	.812
40-6534**	80.00	12.90	105.30	17.42	32.55	9.00	143.30	19.00	124.30	32.65	50.00	41.00	160.00	20.00	40.00	40.00	9.51	2.58	.812

* 40 Series: Add 40mm when using 40-8080 profiles or 120mm when using a 40-8016 profile.

** Brake Kit Ready Bearings are pre-drilled with brake holes, refer to page 1009 for additional information.

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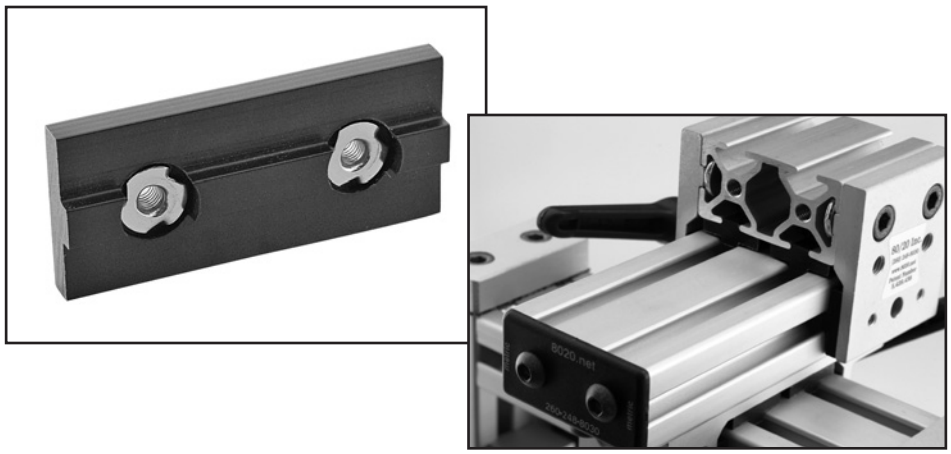
80/20® UniBearings™ Modular Linear Motion



80/20 Inc. is proud to include the UniBearing™ family in our line of linear motion products. Because of their geometry, UniBearing™ bearings are universal, and can quickly set all 80/20 profiles into motion. This concept was created due to a need to remove or install bearings quickly on an existing T-slotted aluminum structure, without taking the frame apart. UniBearing™ bearings can greatly enhance productivity in downtime or re-tooling situations. UniBearing™ bearings also create extensive modularity in the design world, allowing total flexibility within an engineered structure.

The unique UniBearing™ design differs from our original bearings. UniBearing™ pads are mounted using stainless steel flat head socket cap screws. The screws are inserted through the pad and screwed securely into the housing. This eliminates the need for “high-cycle” bearing pads in the UniBearing™ family.

The UniBearing™ family has also led to the creation of a new bearing pad. The “Double-Keyed” pad is required with the use of most UniBearing™ bearings. These versatile pads and profiles (pages 1003-1004) can also be applied to many applications outside the UniBearing™ family.

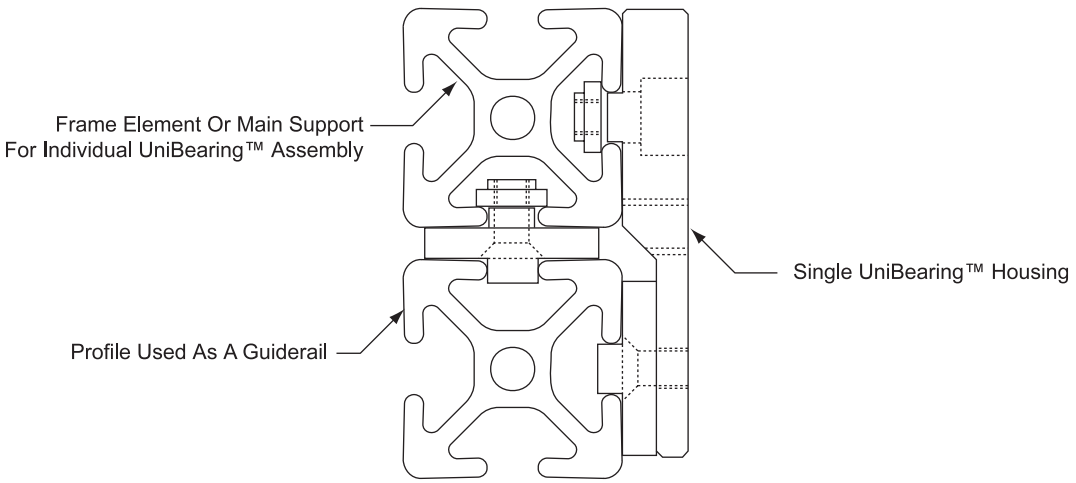
UniBearing™ Bearing Advantages

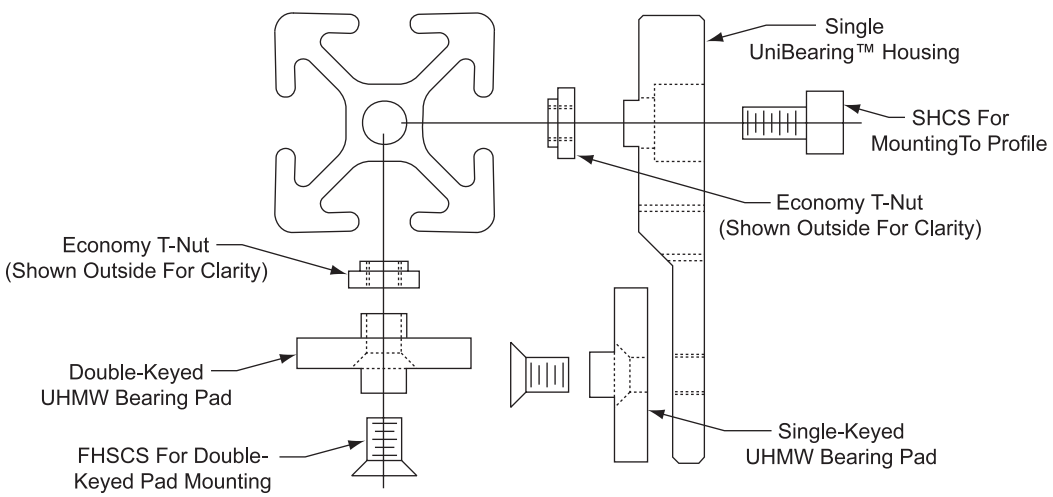
- The motion can be the actual bearing itself that moves or the bearing can be fixed, allowing the guiderail (T-slotted extrusion) and any associated assembly to move.
- All UniBearing™ bearings come with pre-drilled brake holes to accept our brake kits, page 1008.
- A set of tapped mounting holes are provided for mounting accessories to a flat surface.

Single UniBearing™ Bearing Concept & Construction

The diagrams below illustrate how Single UniBearings™ are designed and assembled. These bearings are available in 25 and 40 Series, as sub-assemblies or complete, assembled units. All housings are extruded 6105-T5 aluminum with a clear anodize finish. All sub-assemblies include UHMW-PE pads secured with stainless steel FHSCS and mounting hardware (SHCS with economy T-Nut), along with shim kits (see page 1001). Please consult page 995 for custom applications.

ORDERING NOTE: T-slotted profiles must be ordered separately when ordering UniBearing sub-assemblies (pages 992-993), but are included with UniBearing™ assemblies (page 994).





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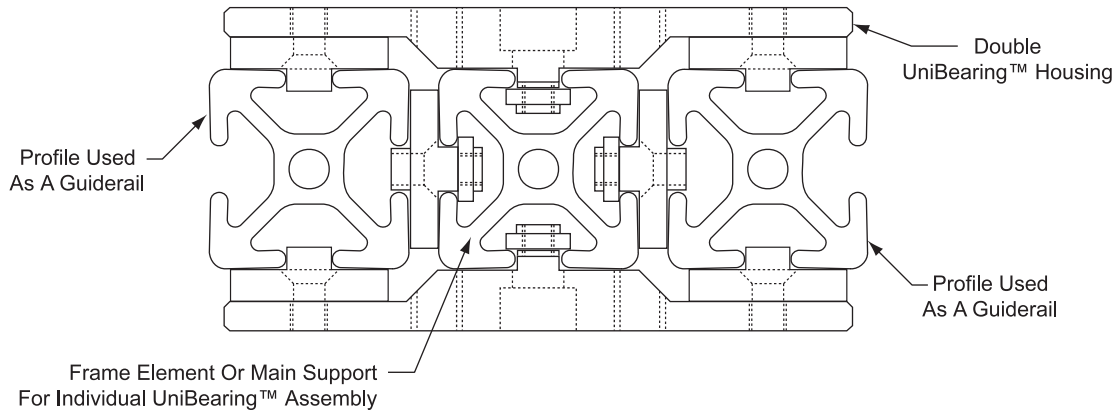
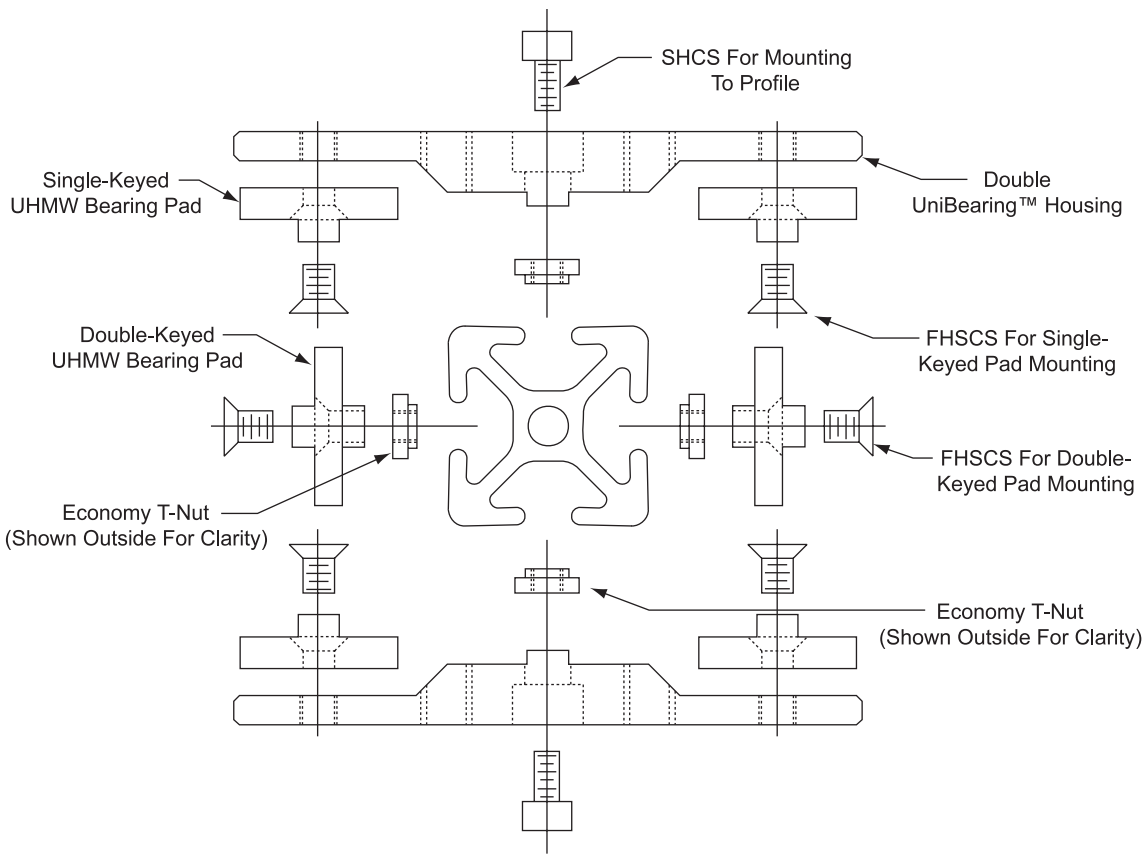
Double UniBearing™ Bearing Concept & Construction

The diagrams below illustrate how Double UniBearings™ are designed and assembled. These bearings are available in 25 and 40 Series, as sub-assemblies or complete, assembled units. All housings are extruded 6105-T5 aluminum with a clear anodize finish. All assembly and ordering tips are standard between single and double UniBearings™.





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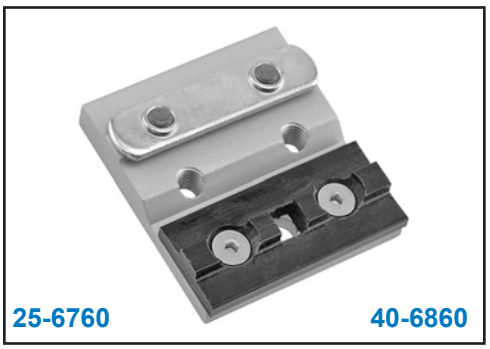
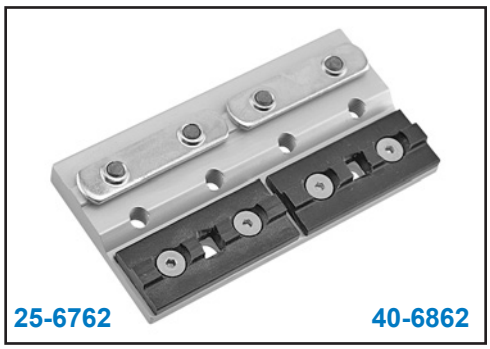
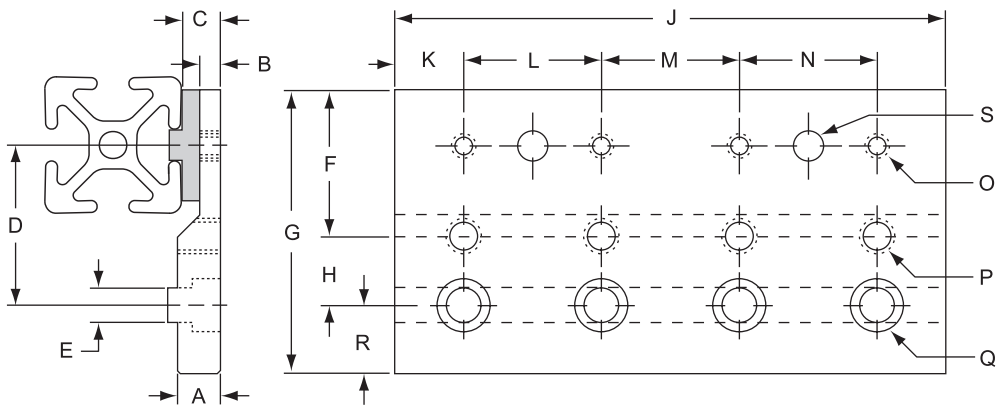
Single UniBearing™ Bearings



25-6760 40-6860



25-6762 40-6862



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	R	kg.
25-6760	8.00	3.90	7.80	29.60	6.20	27.00	52.40	25.40	47.00	11.00	25.00	—	—	12.70	.058
25-6762	8.00	3.90	7.80	29.60	6.20	27.00	52.40	25.40	100.00	12.50	25.00	25.00	25.00	12.70	.120
40-6860	12.80	6.20	12.30	44.70	7.90	41.30	79.40	38.10	75.00	17.50	40.00	—	—	19.00	.202
40-6862	12.80	6.20	12.30	44.70	7.90	41.30	79.40	38.10	160.00	20.00	40.00	40.00	40.00	19.00	.422

Typical Machining:

O = 25 Series Drill & Tap for #8 FHSCS
40 Series Drill & Tap for #10 FHSCS

P = 25 Series Drill & Tap Thru M6 X 1.0 (Accessory Mount)
40 Series Drill & Tap Thru M8 X 1.25 (Accessory Mount)

Q = 25 Series Drill & Counterbore for Included Hardware
(PN: 13-6508 - M6 X 8mm SHCS and PN: 25-1962 - M6 X 1.0 Double Economy T-Nut)
40 Series Drill & Counterbore for Included Hardware
(PN: 13-8516 - M8 X 16mm SHCS and PN: 40-1982 - M8 X 1.25 Double Economy T-Nut)

S = 25 Series 6.3mm (.248") Brake Hole Typ. (Refer to Page 1008 for Brakes)
40 Series 8.3 mm (.326") Brake Hole Typ. (Refer to Page 1008 for Brakes)

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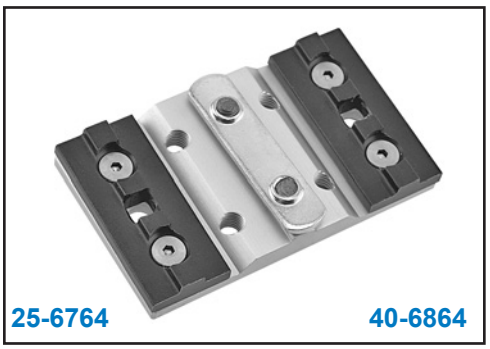
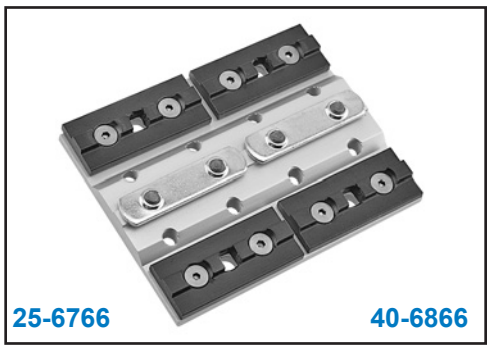
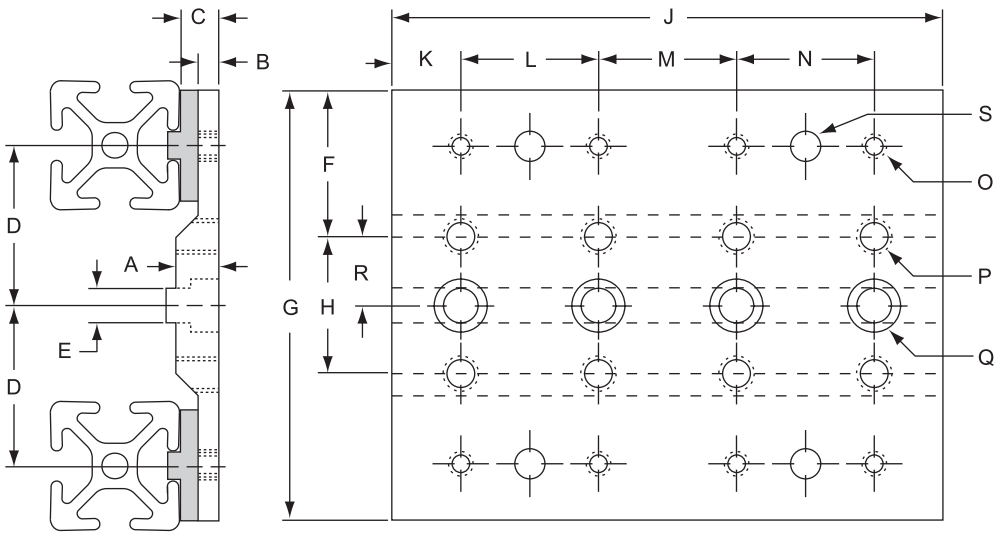
Double UniBearings™ Bearings



25-6764 40-6864



25-6766 40-6866



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	R	kg.
25-6764	7.90	3.90	7.80	29.60	6.19	27.00	79.40	25.40	47.00	11.00	25.00	—	—	12.70	.075
25-6766	7.90	3.90	7.80	29.60	6.19	27.00	79.40	25.40	100.00	12.50	25.00	25.00	25.00	12.70	.159
40-6864	12.80	6.20	12.30	44.70	7.90	41.30	120.70	38.10	75.00	17.50	40.00	—	—	19.00	.263
40-6866	12.80	6.20	12.30	44.70	7.90	41.30	120.70	38.10	160.00	20.00	40.00	40.00	40.00	19.00	.556

Typical Machining:

O = 25 Series Drill & Tap for #8 FHSCS
40 Series Drill & Tap for #10 FHSCS

P = 25 Series Drill & Tap Thru M6 X 1.0 (Accessory Mount)
40 Series Drill & Tap Thru M8 X 1.25 (Accessory Mount)

Q = 25 Series Drill & Counterbore for Included Hardware
(PN: 13-6508 - M6 X 8mm SHCS and PN: 25-3962 - M6 X 1.0 Double Economy T-Nut)
40 Series Drill & Counterbore for Included Hardware
(PN: 13-8516 - M8 X 16mm SHCS and PN: 40-1982 - M8 X 1.25 Double Economy T-Nut)

S = 25 Series 6.3mm (.248") Brake Hole Typ. (Refer to Page 1008 for Brakes)
40 Series 8.3 mm (.326") Brake Hole Typ. (Refer to Page 1008 for Brakes)

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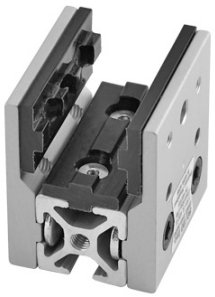
UniBearings™ Bearing Assemblies

- **UniBearing™ subassemblies are pre-mounted onto a T-slotted aluminum profile**
- **Pre-tapped holes included in the profile ends as well as in housing for accessory mounting**
- **Shim kits are included; refer to page 995 for individual components**

40-6873

Long Single Assembly

25-6730



Short Single Assembly

Part No.	Type	Mounted Profile	Profile Length	kg.
25-6730	Single	25-2525	Short 47mm	.184
25-6731		25-2550	Short 47mm	.302
25-6732		25-2525	Long 100mm	.342
25-6733		25-2550	Long 100mm	.346
25-6734	Double	25-2525	Short 47mm	.461
25-6735		25-2550	Short 47mm	.538
25-6736		25-2525	Long 100mm	1.060
25-6737		25-2550	Long 100mm	1.080
40-6870	Single	40-4040	Short 75mm	.378
40-6871		40-4080	Short 75mm	.774
40-6873		40-4040	Long 160mm	1.259
40-6874		40-4080	Long 160mm	1.555
40-6876	Double	40-4040	Short 75mm	1.680
40-6877		40-4080	Short 75mm	2.020
40-6879		40-4040	Long 160mm	3.450
40-6883		40-4080	Long 160mm	4.100

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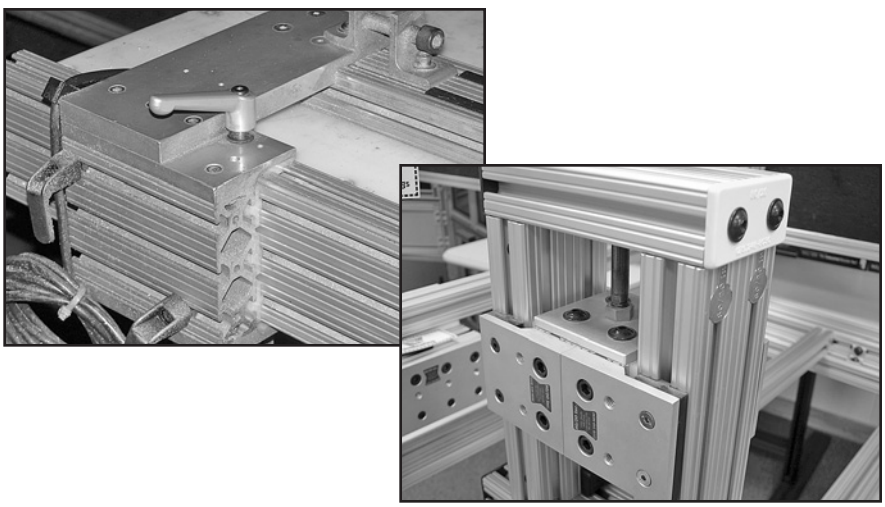
Custom Linear Bearings

- **Reference information for standard and custom bearing pads on the following pages**

  How to Specify

  1. **Select a bearing housing.**
  2. **Produce a sketch or drawing showing overall length, mounting hole diameter and location, and any additional machining desired.**
  3. **Note how many bearing pads and the location for each.**
  4. **We will provide you with a prompt quotation.**

- **See Section 11 for cut-to-length machining and brake kit services**



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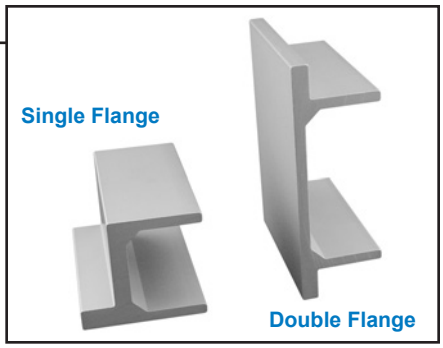
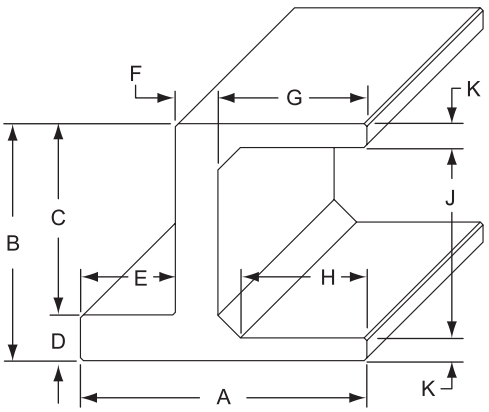
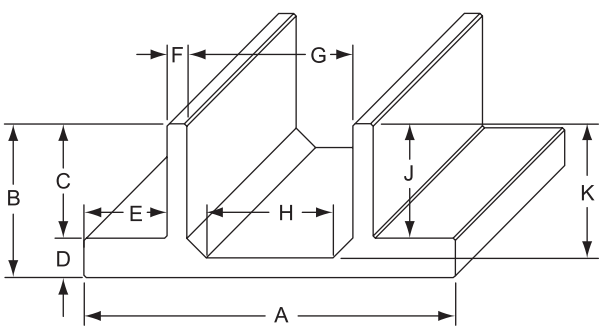
Single & Double Flange Bearing Profiles

- **Stock length 4m mill-finish (unanodized) material unless noted**
- **Maximum length for anodized material is 3m**
- **See Section 11 for machining services**





Single Flange Part No.												Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	J	K	Part No.	kg. / m
25-8520	25-8521	49.74	41.15	33.15	8.00	16.50	6.00	27.24	23.20	33.15	4.00	65-7212	1.690
40-8530	40-8531	71.80	65.13	53.12	11.99	19.00	9.00	43.84	35.84	52.83	6.15	65-7212	3.910



Double Flange Part No.												Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	H	J	K	Part No.	kg. / m
25-8525	25-8526	74.15	31.20	23.20	8.00	16.50	4.00	33.15	25.15	23.25	27.25	65-7212	1.824
25-8527	25-8528	99.20	31.20	23.20	8.00	16.50	4.00	58.20	50.20	23.25	27.25	65-7224	2.101
40-8535	40-8536	103.12	50.00	41.00	9.00	19.00	6.15	52.82	36.82	35.84	43.84	65-7224	3.710
40-8540	40-8541	143.30	50.00	41.00	9.00	19.00	6.15	93.01	77.01	35.84	43.84	65-7224	4.400

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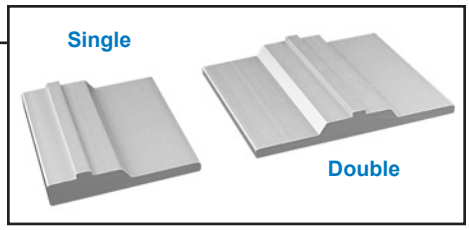
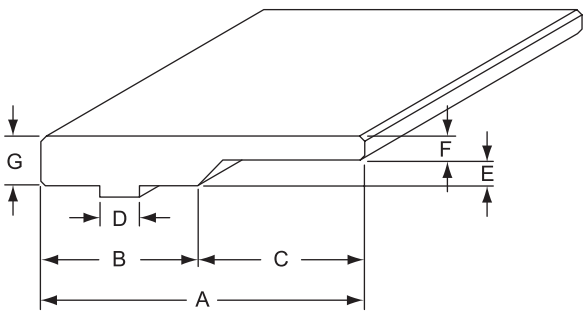
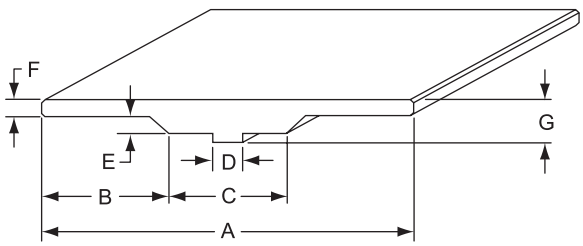
Single & Double UniBearing™ Bearing Profiles

- **Stock length 4m mill-finish (unanodized) material unless noted**
- **Maximum length for anodized material is 3m**
- **See Section 11 for machining services**





Single Part No.									Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	Part No.	kg. / m
25-8580	25-8581	52.40	25.40	27.00	6.35	3.96	3.96	9.53	65-7212	.872
40-8582	40-8583	79.38	38.10	41.28	7.92	6.60	6.22	15.88	65-7212	1.445



DoublePart No.									Cut-to-Length	
Clear Anodized	Mill-Finish	A	B	C	D	E	F	G	Part No.	kg. / m
25-8584	25-8585	79.38	27.00	25.40	6.35	3.96	3.96	9.53	65-7212	1.155
40-8586	40-8587	120.65	41.28	38.10	7.92	6.60	6.22	15.88	65-7224	2.809

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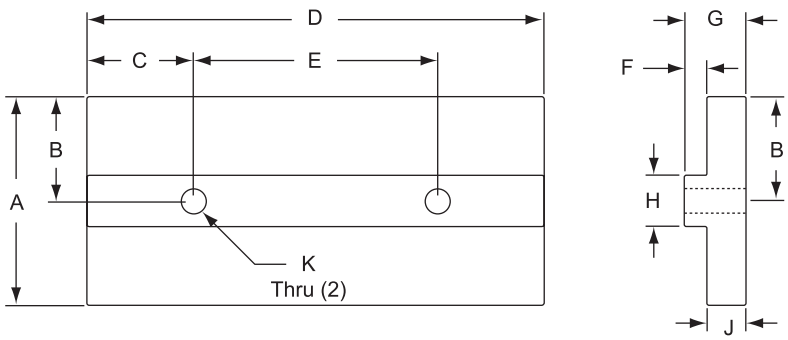
Standard Bearing Pads

- **High strength pads offer a low coefficient of friction**
- **These UHMW-PE bearing pads are simple to install and replace**
- **Available in custom lengths up to 3683mm, refer to page 1004 for more information**

NOW MOLDED



Recommended Mounting Hardware (Mount to Bearing Profile):

Part No.	Series	Qty	Description
25-3625	25	2	#8 x 3/8 Pad Screw
40-3628	40	2	#10 x 5/8 Pad Screw

Part No.	Brake Ready	Pad Color	A	B	C	D	E	F	G	H	J	K	kg.
25-6790	No	White	20.60	10.30	10.80	46.70	25.00	2.50	6.30	6.30	3.80	2.80	.005
25-6791	No	Black	20.60	10.30	10.80	46.70	25.00	2.50	6.30	6.30	3.80	2.80	.005
25-6490	Yes	White	20.60	10.30	10.80	46.70	25.00	2.50	6.30	6.30	3.80	2.80	.005
25-6491	Yes	Black	20.60	10.30	10.80	46.70	25.00	2.50	6.30	6.30	3.80	2.80	.005
40-6890	No	White	31.80	15.90	17.30	74.60	40.00	3.40	9.50	7.90	6.10	3.20	.014
40-6891	No	Black	31.80	15.90	17.30	74.60	40.00	3.40	9.50	7.90	6.10	3.20	.014
40-6590	Yes	White	31.80	15.90	17.30	74.60	40.00	3.40	9.50	7.90	6.10	3.20	.014
40-6591	Yes	Black	31.80	15.90	17.30	74.60	40.00	3.40	9.50	7.90	6.10	3.20	.014

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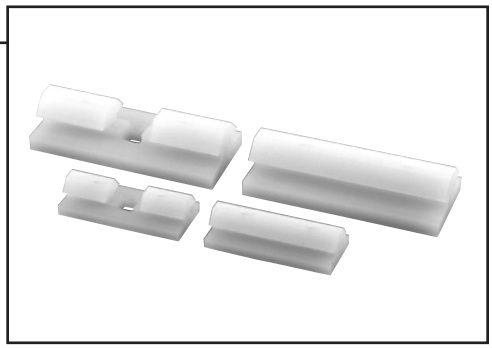
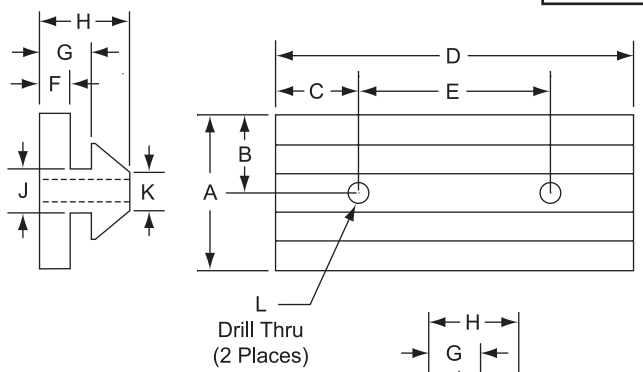
Top-Mount Bearing Pads

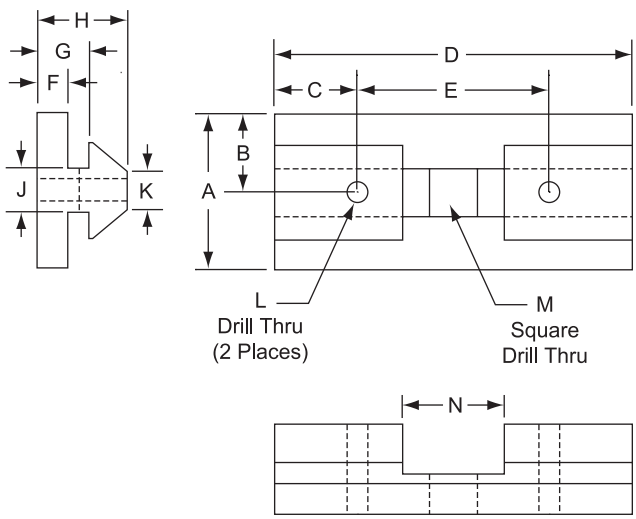
- **An alternative to the standard bearing pad**
- **Pad rides captive inside the T-slot**
- **25 and 40 Series compatible**
- **Available with or without brake hole**
- **Made from UHMW-PE, white only**



25-6797
40-6897



25-6798
40-6898



Recommended Mounting Hardware (Mount to Bearing Profile):

Part No.	Series	Qty	Description
25-3625	25	2	#8 x 3/8 Pad Screw
40-3628	40	2	#10 x 5/8 Pad Screw

Part No.	A	B	C	D	E	F	G	H	J	K	L Ø	M	N	kg.
25-6797	20.60	10.30	10.80	46.70	25.00	4.00	6.80	11.90	5.80	5.10	2.70	-	-	.006
25-6798 *	20.60	10.30	10.80	46.70	25.00	4.00	6.80	11.90	5.80	5.10	2.70	6.40	13.50	.006
40-6897	31.80	15.90	17.30	74.60	40.00	6.10	12.20	17.80	7.60	6.90	3.20	-	-	.016
40-6898 *	31.80	15.90	17.30	74.60	40.00	6.10	12.20	17.80	7.60	6.90	3.20	7.90	19.00	.016

* With Brake Hole

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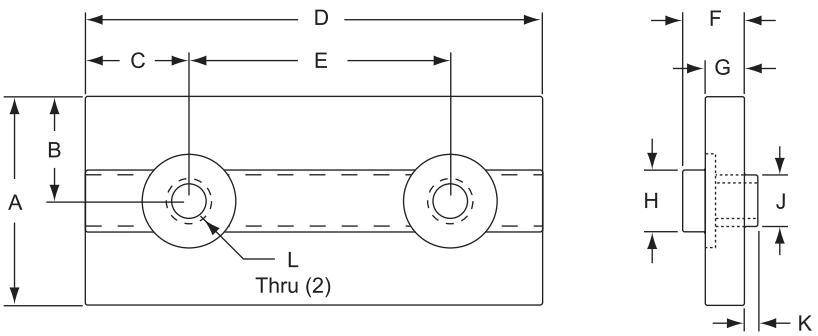
High-Cycle Bearing Pads

- **High strength pads are ideal for quick acceleration / deceleration applications**
- **These UHMW-PE bearing pads are simple to install and replace**
- **Nutserts included. Part No. 3022 (2) required for attaching to bearing profile**

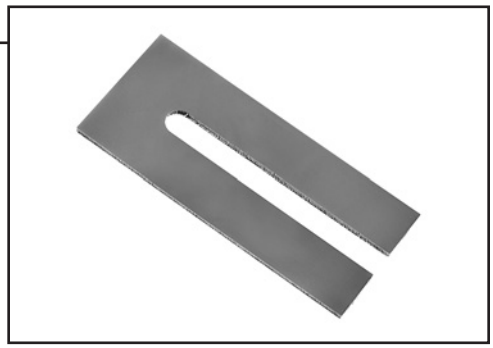
NOW MOLDED

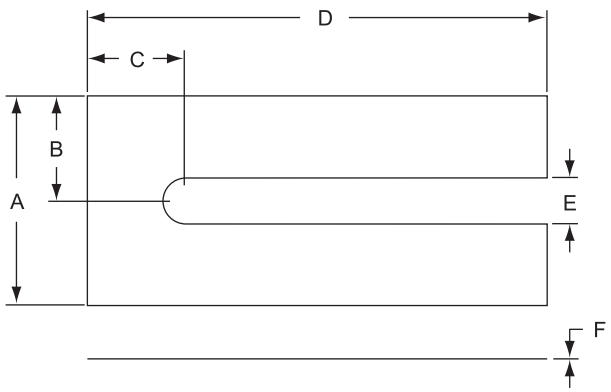


Part No.	Brake Ready	Pad Color	A	B	C	D	E	F	G	H	J	K	L	kg.
40-6895	No	White	31.80	15.90	17.30	74.60	40.00	9.50	6.10	7.90	6.30	1.50	3.20	.005
40-6896	No	Black	31.80	15.90	17.30	74.60	40.00	9.50	6.10	7.90	6.30	1.50	3.20	.005
40-6595	Yes	White	31.80	15.90	17.30	74.60	40.00	9.50	6.10	7.90	6.30	1.50	3.20	.014
40-6596	Yes	Black	31.80	15.90	17.30	74.60	40.00	9.50	6.10	7.90	6.30	1.50	3.20	.014

Linear Bearing Shim Stock

- **Shim typically loose-fitting bearings for a more precise fit**
- **Stock is .13mm (.005”) thick**
- **Slotted to ease installation**
- **Simply loosen bearing pad and slide shims between pad and housing**
- **Sold in packages of 10**
- **Shims work with all 80/20 bearings**





Part No.	Series	A	B	C	D	E	F	kg.
25-6780	25	20.60	10.30	9.50	47.60	4.40	.13	.001
40-6881	40	31.80	15.90	16.70	71.40	5.10	.13	.002

* The 40 series standard shim is also compatible with high-cycle linear bearings and UniBearings™ Bearings.

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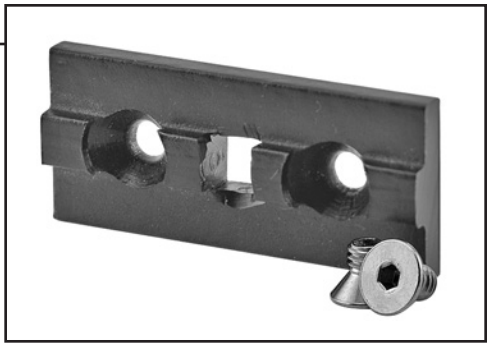
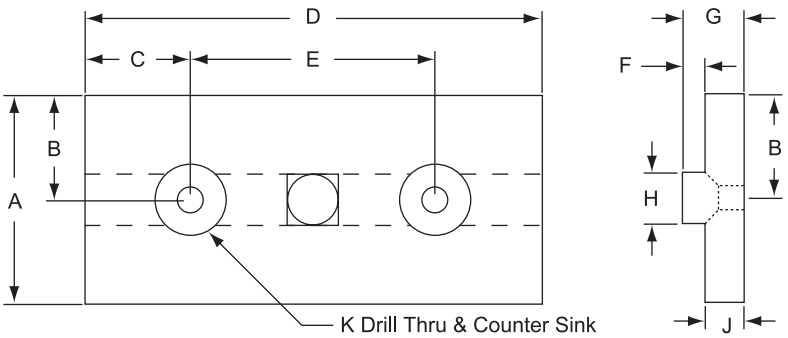
UniBearing™ Bearing Pads

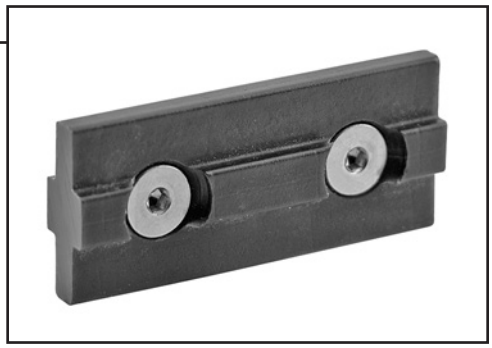
- **High-strength pads offer a low coefficient of friction**
- **These UHMW-PE bearing pads are simple to install and replace**
- **Available in custom lengths up to 3683mm – refer to page 1004 for more information**





Part No.	Series	Color	A	B	C	D	E	F	G	H	J	K	Lbs.
25-6705	25	White	20.60	10.30	10.80	46.70	25.00	2.50	6.30	6.30	3.80	2.80	.005
25-6706	25	Black	20.60	10.30	10.80	46.70	25.00	2.50	6.30	6.30	3.80	2.80	.005
40-6814	40	White	31.80	15.90	17.30	74.60	40.00	3.40	9.50	7.90	6.10	3.20	.014
40-6817	40	Black	31.80	15.90	17.30	74.60	40.00	3.40	9.50	7.90	6.10	3.20	.014

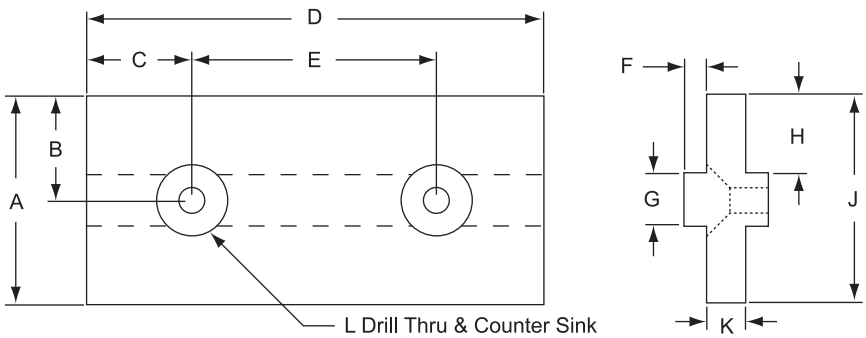
Double-Keyed UniBearing™ Bearing Pads



- **High-strength pads offer a low coefficient of friction**
- **These UHMW-PE bearing pads are simple to install and replace**
- **All mounting hardware included –**

  25 Series - (1) 8-32 Double Econ T-Nut
  (2) 8-32 x 3/8" SS FHSCS
  40 Series - (1) 1/4-20 Double Econ T-Nut
  (2) 1/4-20 x 5/8" SS FHSCS

- **Available in custom lengths up to 3683mm – refer to page 1004 for more information**



Part No.	Series	Color	A	B	C	D	E	F	G	H	J	K	L	kg.
25-6792	25	White	20.60	10.30	10.80	46.70	25.00	1.90	6.20	7.10	20.60	3.80	#8-32	.005
25-6793	25	Black	20.60	10.30	10.80	46.70	25.00	1.90	6.20	7.10	20.60	3.80	#8-32	.005
40-6892	40	White	31.80	15.90	17.30	74.60	40.00	3.90	7.90	11.90	31.80	4.40	1/4-20	.014
40-6893	40	Black	31.80	15.90	17.30	74.60	40.00	3.90	7.90	11.90	31.80	4.40	1/4-20	.014

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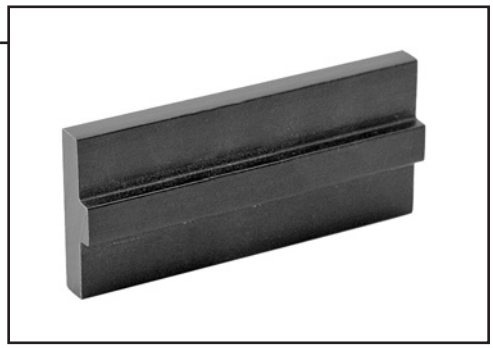
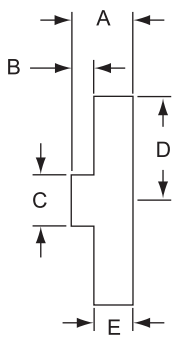
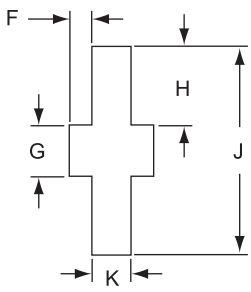
Custom Bearing Pad Profiles

- **High-strength pads offer a low coefficient of friction**
- **These UHMW-PE bearing pads are simple to machine and customize**
- **Black and white profiles are available in lengths up to 3683mm**
- **Refer to page 1029 for cut-to-length services**





Single-Keyed



Double-Keyed

Part No.	Series	Type	Color	A	B	C	D	E	F	G	H	J	K	kg. / m.
25-6700	25	Single-Keyed	White	6.30	2.50	6.30	10.30	3.80	–	–	–	–	–	.018
25-6701	25	Single-Keyed	Black	6.30	2.50	6.30	10.30	3.80	–	–	–	–	–	.018
40-6810	40	Single-Keyed	White	9.50	3.40	7.90	15.90	6.10	–	–	–	–	–	.054
40-6811	40	Single-Keyed	Black	9.50	3.40	7.90	15.90	6.10	–	–	–	–	–	.054
25-6702	25	Double-Keyed	White	–	–	–	–	–	1.90	6.20	7.10	20.60	3.80	.018
25-6703	25	Double-Keyed	Black	–	–	–	–	–	1.90	6.20	7.10	20.60	3.80	.018
40-6812	40	Double-Keyed	White	–	–	–	–	–	3.90	7.90	11.90	31.80	4.40	.054
40-6813	40	Double-Keyed	Black	–	–	–	–	–	3.90	7.90	11.90	31.80	4.40	.054

Engineering Specifications on UHMW-PE Bearing Pads

Property	Test Method	Unit	Typical Value
Specific Gravity	ASTM D-792	g/cm3	0.94
Yield Strength @ 73°F	ASTM D-638	p.s.i.	3400
Ultimate Tensile Strength @ 73°F	ASTM D-638	p.s.i.	6800
Break Elongation @ 73°F	ASTM D-638	%	450
Yield Strength @ 250°F	Stress Strain Diagram	p.s.i.	700
Ultimate Tensile Strength @ 250°F	Stress Strain Diagram	p.s.i.	3300
Break Elongation @ 250°F	Stress Strain Diagram	%	900
Hardness - Rockwell "R" Scale	ASTM D-785	-	64
- Shore "D" Scale	ASTM D-2240	-	67
Flexural Modulus of Elasticity	Bend Creep/1 min. value	p.s.i.	110,000
Shear Strength	ASTM D-732	p.s.i.	3500
Izod Impact @ + 23°C	ASTM D-256A	ft-lbs/in. notch	No break
@ - 140° C	ASTM D-256A	ft-lbs/in. notch	No break
Environmental Stress Cracking @ F50	ASTM D-1693 Mod	hrs.	6000
Water Absorption	ASTM D-570	-	NIL

Abrasive Resistance - Sand Slurry Test

WEARS LIKE A PIG'S NOSE!

- **Each material listed below was rotated 24 hours @ 1750 r.p.m.**
- **Carbon Steel = abrasive rating of 100.**
- **The weight loss for each material is relative to 100.**
- **The lower the figure, the better the abrasive resistance.**
- **50-50 sand/water slurry.**

UHMW-PE 15
TFE 72
Polycarbonate 96
Normal MW polyethylene 125
Phenolic laminate 571
Nylon 31
Stainless steel 84
Polyacetal 110
Phosphor bronze 193
Hickory wood 967
High MW polyethylene 44
Polypropylene 87
TFE/glass fiber 113
Yellow brass 409
Hi carbon steel 100

Coefficient Of Friction

UHMW-PE Polymer has a lower coefficient of friction than glass. Together with its self-lubricating characteristics it is an ideal material for bearings, bushings, valves, wear strips, or any application where sliding contact is encountered.

Materials	Static	Kinetic	Test Method
Aluminum* vs. UHMW-PE	0.12	0.016	ASTM D-1894
Mild Steel vs. Mild Steel	0.30 - 0.40	0.25 - 0.35	
Mild Steel vs. UHMW-PE	0.15 - 0.20	0.12 - 0.20	
UHMW-PE vs. UHMW-PE	0.20 - 0.30	0.20 - 0.30	

*Anodized 204 R1 Spec on extruded aluminum

Comparison of Dynamic Coefficient of Friction on Polished Steel

Property	UHMW-PE
Dry	0.10 - 0.22
Water	0.05 - 0.10
Oil	0.05 - 0.08

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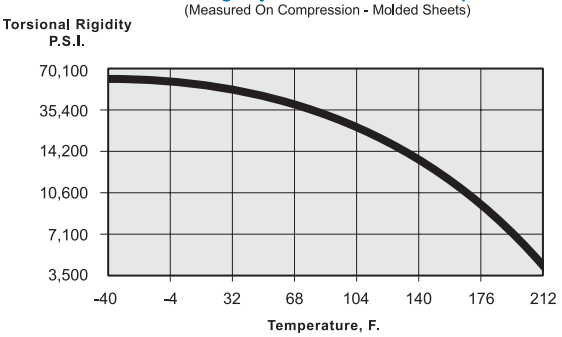
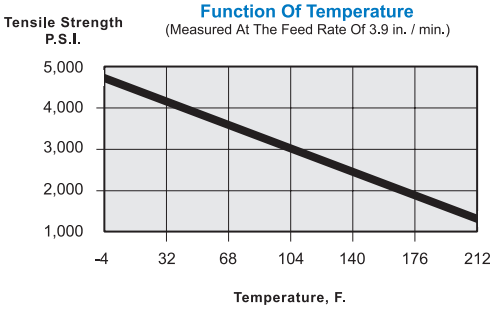
Load Bearing Properties of UHMW-PE

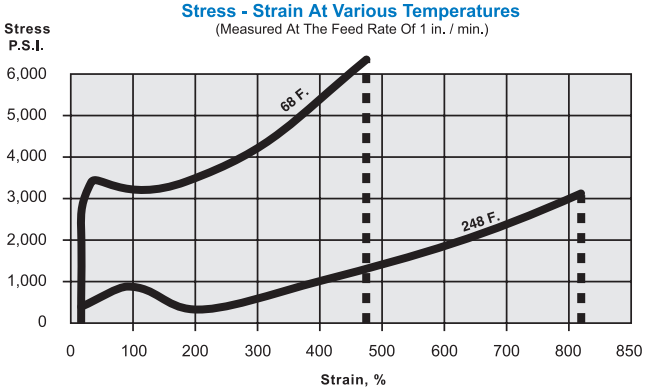
Torsional Rigidity As A Function Of Temperature
(Measured On Compression - Molded Sheets)



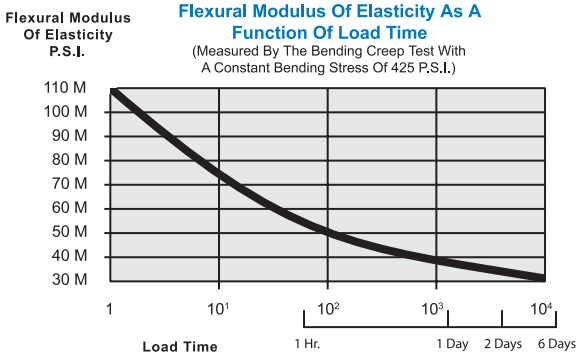
Tensile Strength At The Yield Point As A Function Of Temperature
(Measured At The Feed Rate Of 3.9 in. / min.)



Stress - Strain At Various Temperatures
(Measured At The Feed Rate Of 1 in. / min.)



Flexural Modulus Of Elasticity As A Function Of Load Time
(Measured By The Bending Creep Test With A Constant Bending Stress Of 425 P.S.I.)



Chemical Resistance of UHMW-PE

TEST SPECIMENS	Dumb-bell type
DURATION OF TEST	30 Days
+ = RESISTANT	Mechanical properties not appreciably affected
/ = LIMITED RESISTANT	Decreases in yield stress and ultimate tensile strength less than 20%
- = NOT RESISTANT	Decreases in yield stress and ultimate tensile strength greater than 20%

Reagent	Temperatures		
	20°C	50°C	80°C
I. Inorganic acids			
Chromic acid (80%)	+	+	/
Hydrychloric acid (conc.)	+	+	+
Hydrocyanic acid	+	+	
Hydrofluoric acid	-	-	-
Nitric acid (conc.)	/	-	
Nitric acid (50%)	+	+	/
Nitric acid (20%)	+	+	+
Phosphoric acid (85%)	+	-	-
Sulphuric acid (conc.)	+	-	-
Sulphuric acid (50%)	+	+	+
II. Alkalis			
Aqueous ammonia	+	+	
Potassium Hydroxide solution	+	+	+
Sodium Hydroxide solution	+	+	+
III. Aqueous solutions of inorganic salts			
Aluminum chloride	+	+	+
Ammonium nitrate	+	+	+
Bleaching powder	+	+	+
Calcium chloride	+	+	+
Sodium carbonate	+	+	+
Sodium chloride	+	+	+
Sodium hypochlorite	+	+	+
Zinc chloride	+	+	+
IV. Organic acids			
Acetic acid (99%)	+	+	/
Acetic acid (10%)	+	+	+
Butyric acid	+	+	
Citric acid	+	+	+
Formic acid	+	+	
Oleic acid	+	+	/

Reagent	Temperatures		
	20°C	50°C	80°C
V. Hydrocarbons and halogenated hydrocarbons			
Benzene	/	/	
Carbon tetrachloride	/		
Cyclohexane	+	+	
Dichloroethylene	-	-	
Diesel oil	+	+	/
n-Heptane	+	+	
Petroleum ether	+		
Trichloroethylene	/	-	
Toluene	/	-	
White spirit	+	/	
Xylene	/	/	-
VI. Alcohols, Ketones, Ester, and Amines			
Acetone	+	+	
Aniline	+	+	/
Benzyl alcohol	+	+	+
Butyl alcohol	+	+	+
Cyclohexanol	+	+	+
Ethanol	+	+	
Ethyl acetate	+	+	
Ethylene glycol	+	+	+
Glycerine	+	+	+
Lauryl alcohol	+	+	+
Propyl alcohol	+	+	+
VII. Miscellaneous			
Beer	+	+	+
Detergents in aqueous solution	+	+	+
Distilled water	+	+	+
Hydrogen peroxide 30% (perhydrol)	+	+	
Linseed oil	+	+	+
Milk	+	+	+
Olive oil	+	+	+
Sea water	+	+	+
Wine	+	+	+

Because we cannot anticipate or control the many different conditions under which our products may be used, the product information contained in this catalog should be viewed as general guidelines only and not as a recommendation to use our products in any particular situation. Although we believe that all information contained herein is reliable, certain information in this catalog may have been obtained from test results published by other parties, and consequently, we cannot guarantee the accuracy of all information contained in this catalog. In addition, particular conditions of use and reasonable lot-to-lot variations can affect performance. Users of our products should perform their own tests to determine the suitability of any product for their particular purposes.

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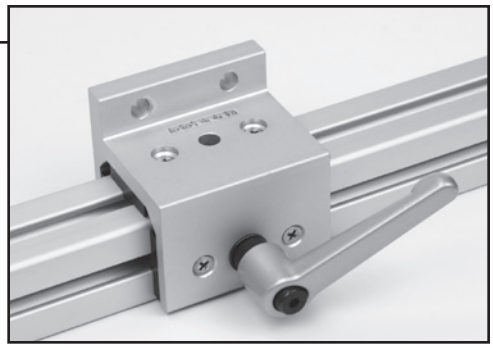
Linear Bearing Brake Kits

- **Adds an adjustable stop to any bearing**
- **Secures gliding profiles into semi-permanent positions**
- **Secure lockdown capability for safety**
- **Refer to page 1009 for required machining**



Part No.	Series	Type	Color	kg.
25-6850	25	L - Handle	Black	.025
25-6851	25	Hex Nut	Black	.030
25-6852	25	Wing Nut	Bright	.034
40-6800	40	L - Handle	Gray	.153
40-6805	40	L - Handle	Blue	.153
40-6806	40	L - Handle	Red	.153
40-6807	40	L - Handle	Yellow	.153
40-6801	40	T - Handle	Black	.046
40-6802	40	Star Handle	Black	.050
40-6803	40	Hex Nut	Black	.034
40-6804	40	Wing Nut	Bright	.039

40-6800

40-6801

40-6802

25-6850

25-6851
40-6803
(Hex Nut)

25-6852
40-6804
(Wing Nut)

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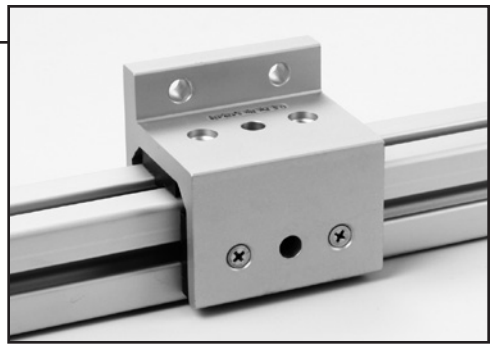
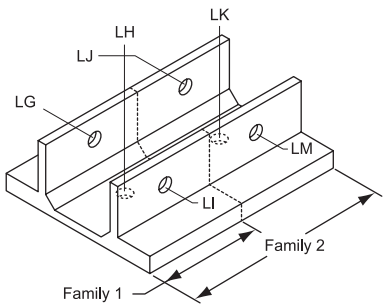
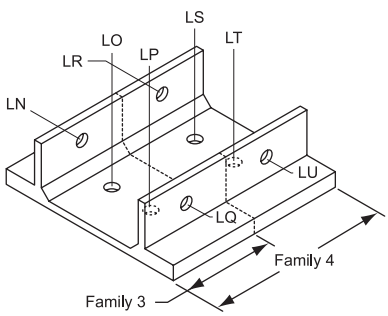
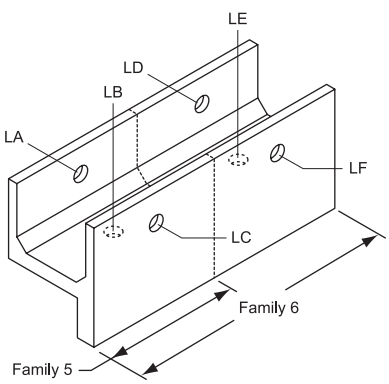
Linear Bearing Brake Holes

- **Enables you to add a stop and lock linear brake onto your application**
- **Refer to page 1008 for all available brake kits**
- **Refer to pages 1046-1047 for specifying brake hole machining services**









Standard Bearing Part No.	Brake Ready Bearing Part No.	Bearing Size	Pre-Drilled or Specified Brake Hole Locations
25-6725	–	Family 1	Specify*
40-6825	–	Family 1	
40-6835	–	Family 1	
–	25-6425	Family 1	LG / LH / LI
–	40-6525	Family 1	LG / LH / LI
–	40-6535	Family 1	LG / LH / LI
25-6726	–	Family 2	Specify*
40-6826	–	Family 2	
40-6836	–	Family 2	
–	25-6426	Family 2	LG / LH / LI / LJ / LK / LM
–	40-6526	Family 2	LG / LH / LI / LJ / LK / LM
–	40-6536	Family 2	LG / LH / LI / LJ / LK / LM
25-6723	–	Family 3	Specify*
40-6823	–	Family 3	
40-6833	–	Family 3	
–	25-6423	Family 3	LN / LO / LP / LQ
–	40-6523	Family 3	LN / LO / LP / LQ
–	40-6533	Family 3	LN / LO / LP / LQ
25-6724	–	Family 4	Specify*
40-6824	–	Family 4	
40-6834	–	Family 4	
–	25-6424	Family 4	LN / LO / LP / LQ / LR / LS / LT / LU
–	40-6524	Family 4	LN / LO / LP / LQ / LR / LS / LT / LU
–	40-6534	Family 4	LN / LO / LP / LQ / LR / LS / LT / LU
25-6715	–	Family 5	Specify*
40-6815	–	Family 5	
40-6830	–	Family 5	
–	25-6415	Family 5	LA / LB / LC
–	40-6515	Family 5	LA / LB / LC
–	40-6530	Family 5	LA / LB / LC
25-6716	–	Family 6	Specify*
40-6816	–	Family 6	
40-6831	–	Family 6	
–	25-6416	Family 6	LA / LB / LC / LD / LE / LF
–	40-6516	Family 6	LA / LB / LC / LD / LE / LF
–	40-6531	Family 6	LA / LB / LC / LD / LE / LF

* Refer to pages 1046-1047 for machining services

Brake Kit Mounting Hole Machining Services

Service Number	Series	Description
25-7401	25	6.70 diameter drill thru one wall
40-7400	40	8.70 diameter drill thru one wall

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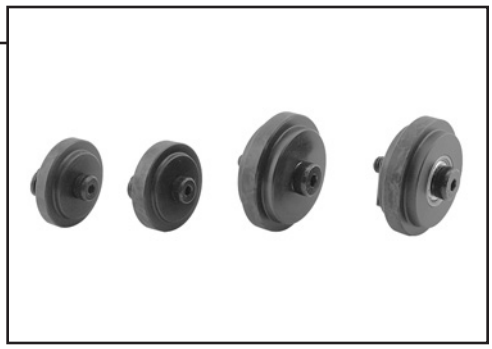
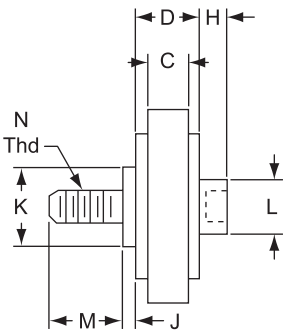
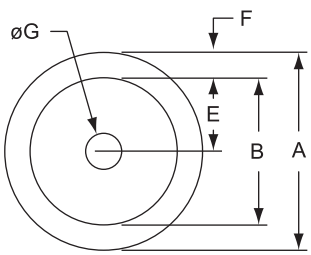
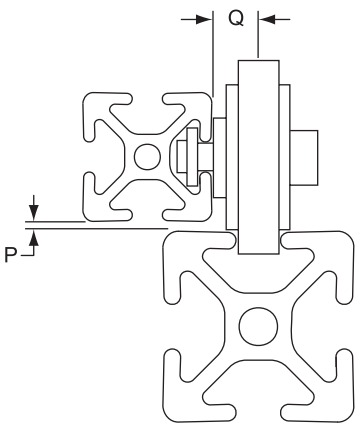
Roller Wheels

- **25 and 40 Series compatible**
- **All mounting hardware included**
- **Made of self-lubricating black nylon**
- **Mounts to profile end of T-slot – ideal for guided linear motion**









Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	kg.
25-2281	37.50	28.00	6.10	11.60	14.00	4.75	8.00	5.50	3.20	15.90	13.20	6.80	M6 x 1.0	1.60	9.20	.032
65-2282	37.50	28.00	7.90	11.60	14.00	4.75	8.00	5.50	3.20	15.90	13.20	6.80	M6 x 1.0	1.60	9.20	.034
40-2280	54.00	43.00	7.90	19.50	21.50	5.50	10.00	7.00	3.20	19.00	16.20	10.60	M8 x 1.25	1.60	13.00	.084
40-2290	54.00	43.00	7.90	19.50	21.50	5.50	10.00	7.00	3.20	19.00	16.20	10.60	M8 x 1.25	1.60	13.00	.075

Part No.	Bearing Type	Mounts To	Rolls In
25-2281	Permanent Lubricated Bronze Bushing	25 Series	25 Series
65-2282	Permanent Lubricated Bronze Bushing	25 Series	40 Series
40-2280	Dual Roller Bearing	40 Series	40 Series
40-2290	Permanent Lubricated Bronze Bushing	40 Series	40 Series

25-2281

65-2282

40-2290

40-2280

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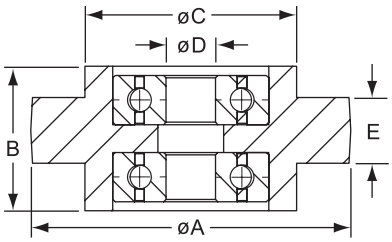
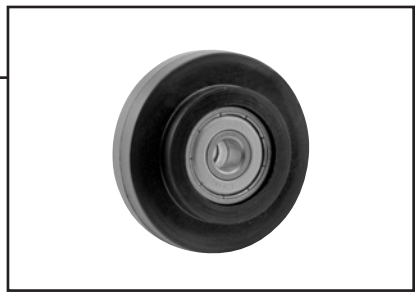
Roller Wheels with Ball Bearing Hub

Fiberglass Reinforced Nylon, Black

- **Move frames, panels and other components by rolling in the profile T-slot**



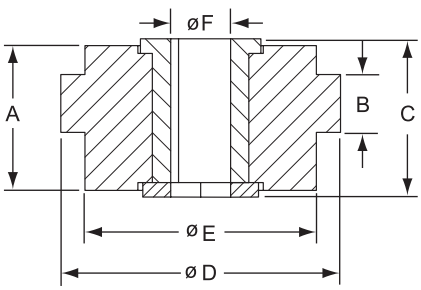


Part No.	A	B	C	D	E (Slot Tab)	kg.	Compatibility Code*
12017	39.00	17.60	25.80	6.00	8.00	.030	8-40
12018					10.00	.032	
12020	47.00	19.60	33.60	8.00	8.00	.048	
12021					10.00	.050	

Roller Wheel with Steel Hub

Fiberglass Reinforced Nylon, Black

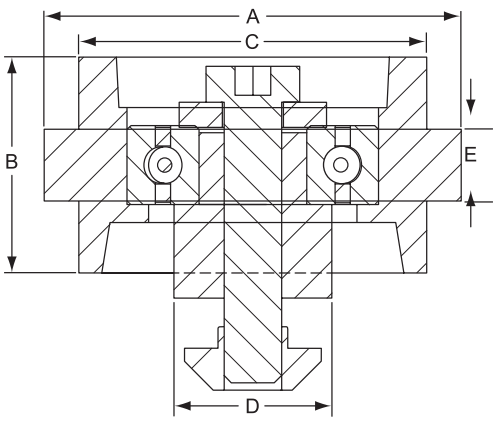
- **Move frames, panels and other components by rolling in the profile T-slot**

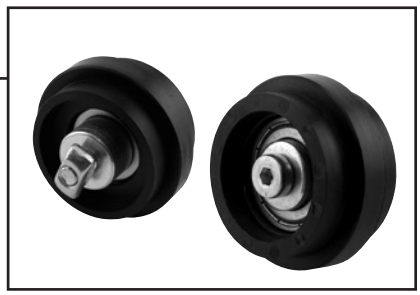


Part No.	A	B (Slot Tab)	C	D	E	F	kg.	Compatibility Code*
12024	15.00	6.00	16.10	29.00	24.00	6.20	.008	6-25

Roller Wheel

Fiberglass Reinforced Nylon, Black





- **Hardware for mounting to T-slot included, M8 SHCS and drop in T-nut**

* See Compatibility Code information on page 833.

Part No.	Description	A	B	C	D	E	kg.	Compatibility Code*
12022	Roller Wheel	58.00	30.00	48.40	21.80	9.90	.154	10-45

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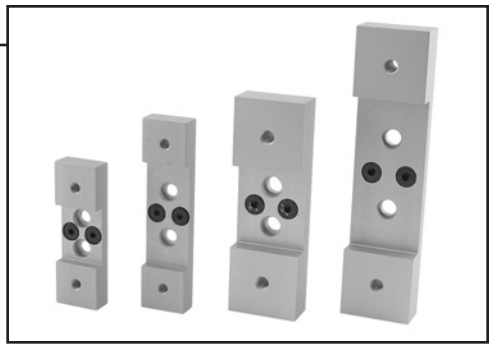
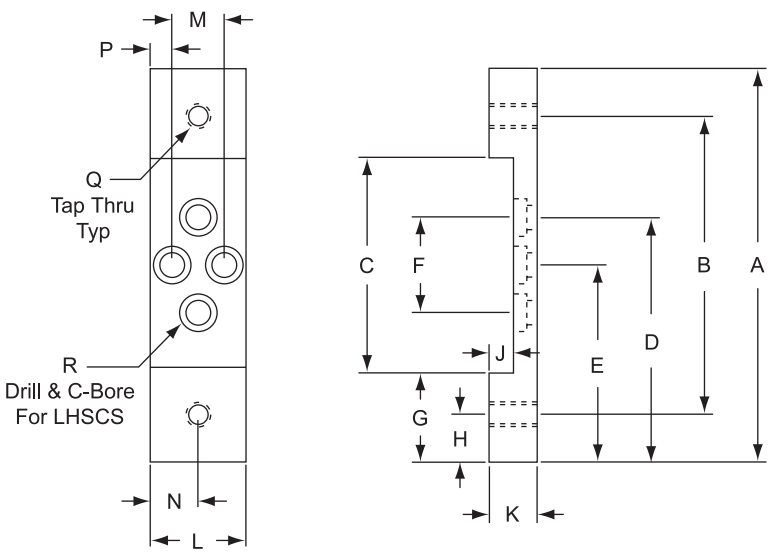
Roller Wheel Brackets



- **25 and 40 Series compatible**
- **Hardware for mounting bracket to T-slot profile included**
- **Made of clear anodized aluminum**
- **Mounts to T-slot profile – ideal for moving framed doors and other components**
- **See page 1010-1011 for nylon roller wheels**
- **See page 1013 for roller wheel bracket assemblies**

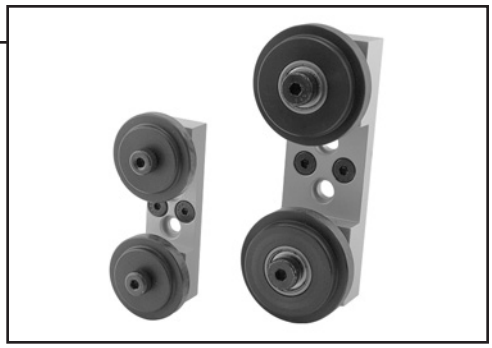


Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	kg.
25-2750	78.00	53.00	31.10	47.50	39.00	17.00	23.45	12.50	6.40	12.70	25.40	13.81	12.70	5.79	M6 x 1.00	M6	.054
25-2752	103.00	78.00	56.10	64.20	51.50	25.40	23.45	12.50	6.40	12.70	25.40	13.81	12.70	5.79	M6 x 1.00	M6	.064
40-2754	123.30	83.30	46.70	73.65	61.65	24.00	38.30	20.00	10.20	19.00	40.00	20.00	20.00	10.00	M8 x 1.25	M8	.191
40-2757	163.30	123.30	86.70	81.65	81.65	40.00	38.30	20.00	10.20	19.00	40.00	20.00	20.00	10.00	M8 x 1.25	M8	.227

Note: Be sure to use the included washer with the roller wheels for proper spacing.

Roller Wheel & Bracket Assemblies

- 25 and 40 Series compatible
- All mounting hardware included for both roller wheel and mounting bracket –
  25 Series – (2) M6 x 10mm LHSCS
  (2) Part No. 25-1964, M6 Standard T-Nut
  40 Series – (2) M8 x 16mm LHSCS
  (2) Part No. 40-1984, M8 Standard T-Nut
- Mounts to T-slot profile – ideal for both roller wheel and mounting bracket



Assembly Part No.		Individual Part No.s							
		25-2750	25-2752	40-2754	40-2757	25-2281	65-2282	40-2280	40-2290
25-2751	25mm	1				2			
25-2753	50mm		1			2			
40-2755	40mm			1				2	
40-2758	80mm				1			2	
40-2756	40mm			1					2
40-2759	80mm				1				2

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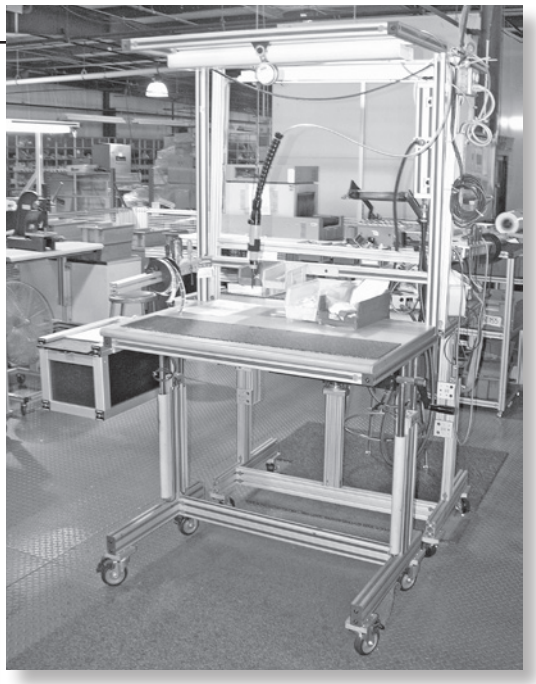
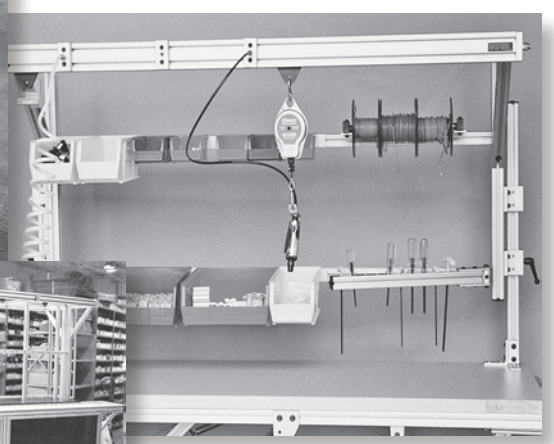
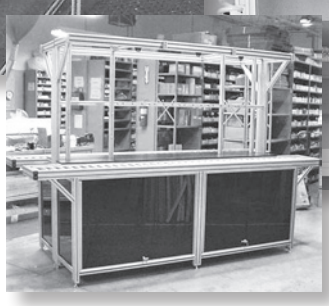
Ergonomic Workstations by 80/20®

- **Easily add ergonomic adjustability by incorporating 80/20's own Linear Bearings into your design.**
- **Mobile, adjustable and well-lit workstations that will fit almost any industrial need!**
- **Need hydraulic or pneumatic power? It's easy with 80/20 – using our profiles as an easy-to-attach manifold… even if it's an afterthought, it will appear to be part of your original design!**
- **Log on to www.8020.net and click Downloads & Links to get your FREE copy of AutoQuoterX™, 80/20's design software.**







Section #10 Pictorial Table Of Contents

Introduction To Tools

Page 1016

How To Order

Page 1017

Ball End Fold Out Combo Tool

Page 1018

Ball Driver & "L" Wrench Set

Page 1018

Ball End Power Bits

Page 1019

Bal End "L" Hex Wrenches

Page 1019

Cheater Pipe

Page 1020

Ball End Hex Drivers

Page 1020

"T" Ball End Hex Wrench

Page 1021

Combination Wrenches

Page 1021

Six Lobe Tools

Page 1022

Long Ball End Hex Socket

Page 1022

Access Hole Drills

Page 1023

Access Hole Drill Jigs

Page 1023

Counterbore Cutters

Page 1024

Soft Face Mallet

Page 1024

Attitude Lapel Pins

Page 1024

Legend for Icons

This part can use double economy T-nuts.
See page 757.

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Introduction to 80/20® Tools

Having the right tools to build your project will simplify your assembly job. In this section, we have all the tools you'll need to assemble everything in our catalog.

We also have counterbore cutters, access hole drills and jigs for those of you who prefer to machine our T-slotted profiles as you're building your project.

Along with the right tools, we also have the right attitude. Check out our **ATTITUDE** pins on page 1024. Everybody needs one!

80/20® Tool Advantages

- **Simple hand tools to assemble your project**
- **Fractional and metric tools with color-coded handles: yellow for fractional and red for metric**
- **Ball end wrenches for off-axis rotation**

Fastener/Hex Tool Size Reference

This chart is a quick reference when looking for the correct size of hex wrench for use with 80/20® fasteners.

Thread Size	Fastener Head			
	SHCS	BHSCS	FBHSCS	FHSCS
8-32	—	3/32"	—	—
10-32	5/32"	1/8"	—	—
1/4-20	3/16"	5/32"	5/32"	5/32"
5/16-18	1/4"	3/16"	3/16"	3/16"
3/8-16	5/16"	—	—	7/32"
M5	4mm	3mm	—	3mm
M6	5mm	4mm	—	4mm
M8	6mm	5mm	—	5mm
M10	8mm	6mm	—	6mm

How to Order 80/20® Tools

When ordering tools, be sure to verify their compatibility with your project. If more than one person is assembling, you may need more than one of each tool. Also keep in mind space constraints and on-site machining. To order, simply include part number, quantity, and tool description on your order, as shown in the example below.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/UOM	Ext. Price
1	25-2525	2	469.9mm	25-7042 in A both ends	$0.01	$7.89
	40-4040-Lite-4m	5	4 m	Full length profile	$80.00	$400.00
	40-8016	4	1016.0mm	40-7029 one end	$0.14	$554.74
	40-8080	4	914.4mm	40-7050 style MG in W, X both ends	$0.06	$230.43
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	65-2611	1	.63 sm	6mm bronze polycarb 1 @ 457.2mm x 1016mm w/ 25-7311 per drawing	$111.95	$70.53
4	65-7150	1		Cut plastic panels all sides < -1220mm	$10.50	$10.50
	25-7042	4		25 Series anchor fastener counterbore	$2.25	$9.00
	25-7005	2		Cut-to-length for 25-2525	$1.95	$3.90
	40-7023	4		Cut-to-length for 40-8016	$2.90	$11.60
	40-7030	4		Cut-to-length for 40-8080	$2.60	$10.40
	40-7050	64		40 Series drill access hole	$1.95	$124.80
	40-7029	4		5/16-18 tap service for 40-8016	$15.20	$60.80
	25-7311	2		Anchor fastener notch for 25 Series	$0.53	$1.06
5	40-3891	32		40 Series M8 bright zinc end fastener w/ screw	$1.65	$52.80
	25-2114	16		Gray T-Slot covers for 25 Series	$3.45	$55.20
	40-2050	8		End caps for 40-8080	$1.85	$14.80
	25-3896	4		25 Series anchor fasteners	$3.10	$12.40
	40-1982	5		40 Series M8 bright zinc double economy T-nut	$0.84	$4.20
	25-4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	75-3404	24		25 Series M6 BHSCS & economy T-nut	$0.45	$10.80

TOTAL $1739.25

NOTE: Prices shown for illustration use only. Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 640-694 • 2 - Custom Parts = Pages 695-710 • 3 - Panels = Pages 831-914

4 - Machining Services = Pages 1025-1078 • 5 - Accessories & Tools = Pages 915-938 & 1015-1024

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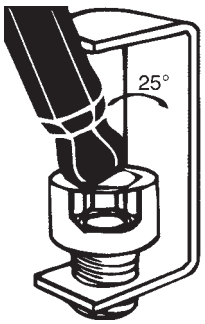
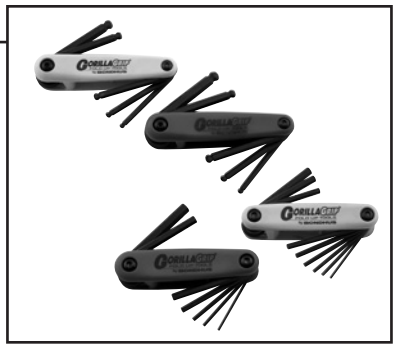
THE STANDARD

Ball End Fold Out Combo Tool

- **Ball end hex drive allows up to 25º angled tool engagement for hard-to-reach fasteners**
- **Ergonomic handle**
- **Fractional or metric**
- **Compact — no lost keys**
- **For easy identification, fractional sizes have yellow case, metric have red case**



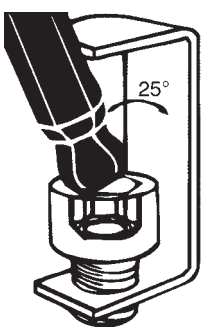


Ball End		Chamfered End	
65-6086	65-6087	65-6088	65-6089
5mm	3/16	2mm	5/64
6mm	7/32	2.5mm	3/32
7mm	1/4	3mm	7/64
8mm	5/16	4mm	1/8
10mm	3/8	5mm	9/64
		6mm	5/32
		8mm	3/16
			7/32
			1/4

Part No.	Description	kg.
65-6089	Hex Head Fold Out Combo Tool	.172
65-6088	Metric Hex Head Fold Out Combo Tool	.172
65-6087	Ball End Fold Out Combo Tool	.209
65-6086	Metric Ball End Fold Out Combo Tool	.209

Ball Driver and "L" Wrench Set

- **Ball end hex drive allows up to 25º angled tool engagement for hard-to-reach fasteners**
- **Fractional or metric**
- **For easy identification, fractional sizes have yellow case, metric have red case**

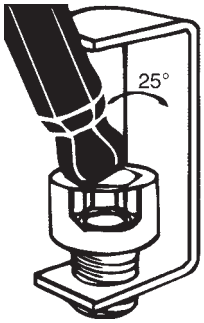


Part No.	Description	kg.
65-6106	Metric Ball Driver & "L" Wrench Set	.363
65-6111	Standard Ball Driver & "L" Wrench Set	.372

Metric (mm)		Standard (in)	
65-6106		65-6111	
1.5	5	.050	5/32
2	6	1/16	3/16
2.5	8	5/64	7/32
3	10	3/32	1/4
4		7/64	5/16
		1/8	3/8
		9/64	

Ball End Power Bits

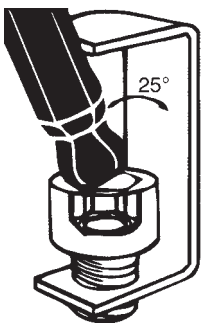
- Allows for entry angle up to 25°
- 76mm long with hex shank for power tools

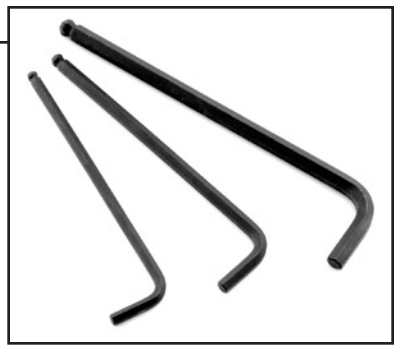


Part No.	Size	Description	kg.
65-6090	3/16"	Hex Ball End Power Bit	.0192
65-6095	1/4"	Hex Ball End Power Bit	.0196
65-6091	5mm	Hex Ball End Power Bit	.0192
65-6092	6mm	Hex Ball End Power Bit	.0196

Ball End "L" Hex Wrenches

- Ball end for off-axis rotation
- Long arm for maximum torque
- Allows for entry angle up to 25°





Part No.	Size	Description	kg.
65-6100	5/32"	Ball End "L" Hex Wrench	.0135
65-6010	3/16"	Ball End "L" Hex Wrench	.0206
65-6040	1/4"	Ball End "L" Hex Wrench	.0434
65-6097	4mm	Ball End "L" Hex Wrench	.0135
65-6098	5mm	Ball End "L" Hex Wrench	.0206
65-6099	6mm	Ball End "L" Hex Wrench	.0434

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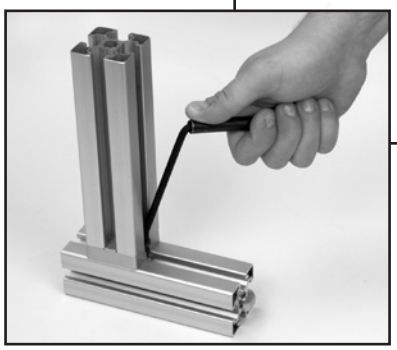
Cheater Pipe

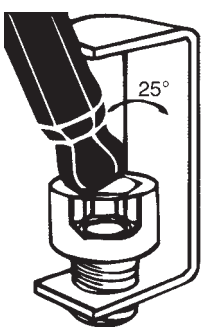
- **Gives extra torque in hard-to-reach spots**
- **Use with a ball end "L" hex wrench**
- **Fits over the end of a 6mm hex wrench**



Part No.	Description	kg.
65-6005	Cheater Pipe (up to 1/4")	.0435

Ball End Hex Drivers

- **Excellent choice for quick tightening by hand**
- **Accaccessibility in hard-to-reach areas**
- **Allows for entry angle up to 25°**



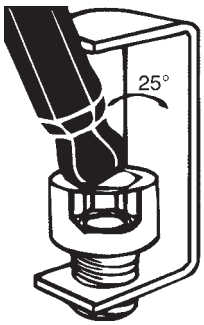
Metric:
Red-trimmed
Handle

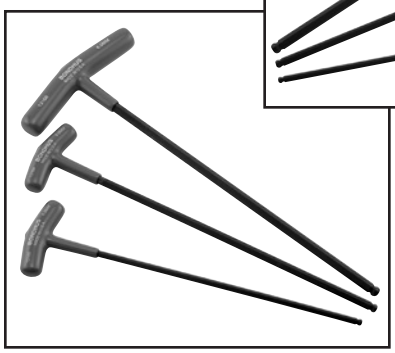
Fractional:
Yellow-trimmed
Handle

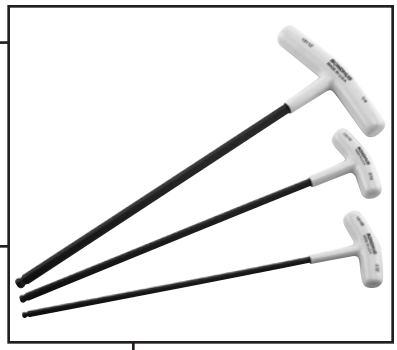
Part No.	Size	Description	kg.
65-6105	5/32"	Ball End Hex Driver	.041
65-6020	3/16"	Ball End Hex Driver	.066
65-6050	1/4"	Ball End Hex Driver	.097
65-6102	4mm	Ball End Hex Driver	.041
65-6103	5mm	Ball End Hex Driver	.066
65-6104	6mm	Ball End Hex Driver	.097

"T" Handle Ball End Hex Wrenches

- **Cushion grip for maximum torque**
- **254mm long arm for hard-to-reach areas**
- **Allows for entry angle up to 25°**







Fractional:
Yellow
Handle

Metric:
Red
Handle

Part No.	Size	Description	kg.
65-6000	3/16"	"T" Handle Hex Wrench	.072
65-6030	1/4"	"T" Handle Hex Wrench	.172
65-6110	5/32"	"T" Handle Hex Wrench	.053
65-6107	4mm	"T" Handle Hex Wrench	.059
65-6108	5mm	"T" Handle Hex Wrench	.072
65-6109	6mm	"T" Handle Hex Wrench	.172

Combination Wrenches

- **Used to tighten hex nuts when used with T-slot studs**
- **10mm fits M6 hex nuts**
- **13mm fits M8 hex nuts**
- **Forged and chrome-plated**

Part No.	Size	Description	kg.
65-6065	10 mm	Combination Wrench	.0544
65-6080	13 mm	Combination Wrench	.0658

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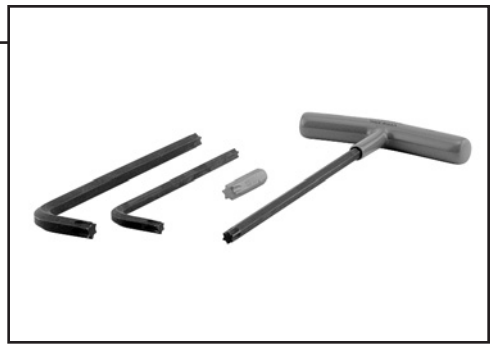
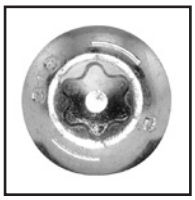
Six Lobe Tools

- **"L" wrench provides higher torque**
- **Power bits for self-tapping screws**
- **"T" handle wrench speeds up assembly**



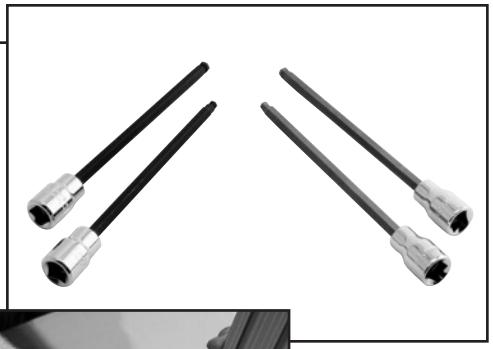


Six-Lobe Head Screw

Part No.	Description	kg.
65-6066	Six Lobe "L" Wrench - 40IP	.0299
65-6067	Six Lobe "L" Wrench - 50IP	.0608
65-6073	Six Lobe Power Bit - 40IP	.0091
65-6068	Six Lobe Power Bit - 50IP	.0136
65-6069	Six Lobe "T" Handle Wrench - 40IP	.1588
65-6071	Six Lobe "T" Handle Wrench - 50IP	.1950

Ball End Sockets

- **Speeds up assembly time**
- **Use with a 3/8" drive ratcheting or pneumatic socket wrench**
- **Tighten fasteners to specification with a torque wrench**



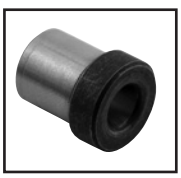
Part No.	Size	Description	kg.
65-6001	3/16"	Ball End Hex Socket	.0690
65-6002	1/4"	Ball End Hex Socket	.0706
65-6003	5mm	Ball End Hex Socket	.0660
65-6004	6mm	Ball End Hex Socket	.0672

Access Hole Drills

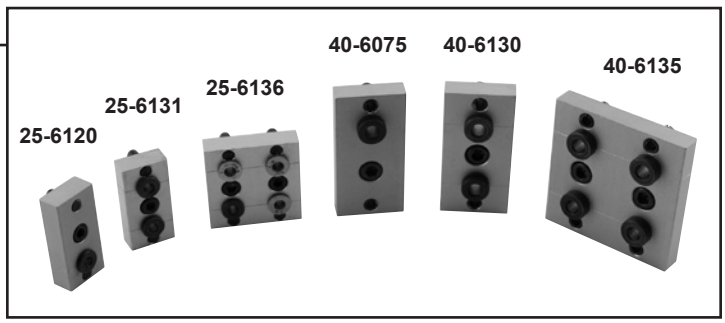
- Drills through profile for access to end fastener shown on pages 739-740
- Made of highest quality high-speed steel
- Split point style

Part No.	Size	Description	kg.
25-6115	ø5.1mm	25 Series Access Hole Drill	.0110
40-6070	ø7.1mm	40 Series Access Hole Drill	.0250

Access Hole Drill Jigs



25-6121 or 40-6076



- Locates access holes precisely
- Hardened dowel pins prevent rotation
- Replaceable, hardened drill bushings
- Locator lines for accurate hole location
- Made of clear anodized 6061-T6 aluminum

Part No.	Size	Description	kg.
25-6120	5.1mm	Access Hole Drill Jig for 25-2525	.0567
25-6131	5.1mm	Access Hole Drill Jig for 25-2550	.0588
25-6136	5.1mm	Access Hole Drill Jig for 25-5050	.0998
25-6121	5.1mm	Replacement Bushing for 25 Series	.0222
40-6075	7.1mm	Access Hole Drill Jig for 40-4040/40-4040-Lite	.1833
40-6130	7.1mm	Access Hole Drill Jig for 40-4080/40-4080-Lite	.1857
40-6135	7.1mm	Access Hole Drill Jig for 40-8080	.3728
40-6076	7.1mm	Replacement Bushing for 40 Series	.0240

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Anchor Fastener Counterbore Cutters

- Two flute center cutting
- Made of high speed steel
- Specially ground for long life

Part No.	Size	Description	kg.
40-6060	20.0mm	40 Series Counterbore Cutter	.2038
25-6160	14.3mm	25 Series Counterbore Cutter	.0786

Soft Face Mallet

- Won't scratch or mar aluminum
- Maximum controlled striking force without rebound
- Great for assembling Quick Frame or installing T-slot cover
- One piece urethane construction
- Reinforced with solid steel rod — no exposed metal
- Wraparound texture for secure grip
- Face diameter = 30.50mm

Part No.	Description	kg.
65-6055	Soft Face Mallet	.2840

ATTITUDE Lapel Pins

- Get your day and project started right with the RIGHT ATTITUDE
- A reminder to keep a good attitude in situations with your boss, banker, the IRS – any distraction that eats up your time and energy!

Part No.	Description	kg.
65-8020	Deluxe ATTITUDE Lapel Pin	.0180
65-8030	Economy ATTITUDE Lapel Pin	.0180

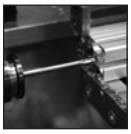
Section #11 Pictorial Table Of Contents

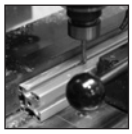
How To Order

Pages 1026-1028

Cut To Length

Page 1029

End Tap Drilling

Pages 1029-1030

Access Hole Drilling

Pages 1031-1032

Counterbore Drilling

Pages 1033-1034

Custom Miter Cuts

Page 1035

Custom 45º Supports

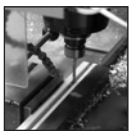
Page 1037

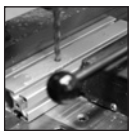
Miter Cut Counterbores

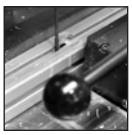
Page 1038

Clearance Drill Thru

Pages 1039-1040

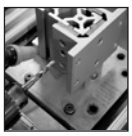
Drill Thru & Counterbore

Page 1041

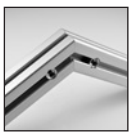
Profile Drill Thru For Manifolds

Page 1042

Door Handle Milling Services

Pages 1043-1044

Economy T-Nut Clearance

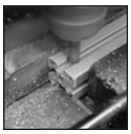
Page 1045

Brake Holes For Linear Bearings

Page 1046

Machine for Miter Connector

Page 1047

Drill Thru for Bolt Connector

Page 1048

Drill for Central Connector

Page 1049

Drill for Slam Latch

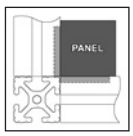
Page 1050

Panel Cutting, Wire Mesh Shearing

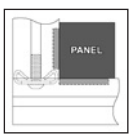
Page 1051

Thick Plastic Panel Routing

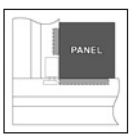
Page 1052

Profile Clearance Panel Notch


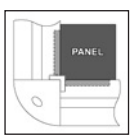
Page 1053

End Fastener Panel Notch


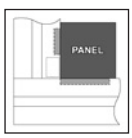
Page 1054

Anchor Fastener Panel Notch


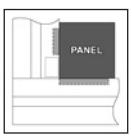
Page 1055

Tri-Corner Panel Notch


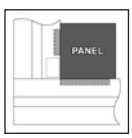
Page 1056

Bolt Connector Panel Notch


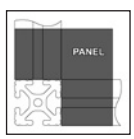
Page 1057

Central Connector Panel Notch


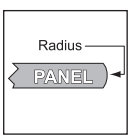
Page 1058

Plate Connector Panel Notch


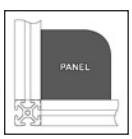
Page 1059

Extended Panel Notch


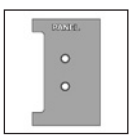
Pages 1060-1061

Edge Radius Services


Page 1062

Panel Radius Services


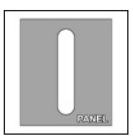
Page 1063

Grabber™ Catch Panel Notch


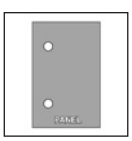
Page 1064

Grabber™ Handle Panel Drill Thru

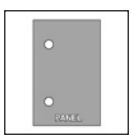
Page 1065

Flush Handle Panel Drill Thru


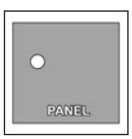
Page 1066

Hinge Panel Drill Thru


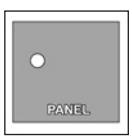
Page 1067

Plastic & Steel Handle Panel Drill Thru


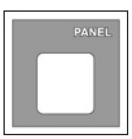
Pages 1068-1069

Panel Mount Block Panel Drill Thru


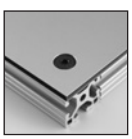
Page 1070

Panel Retainer Panel Drill Thru


Pages 1070-1071

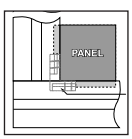
2, 3, and 4 Side Panel Cut-Outs


Page 1072

Flush Mount Panel Service

Page 1073

Miscellaneous Panel Services

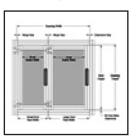
Page 1074

Hidden Corner Connector Services


Page 1075

Aluminum Plate Machining

Page 1076

Bi-Fold Door Conifguration

Pages 1077-1078

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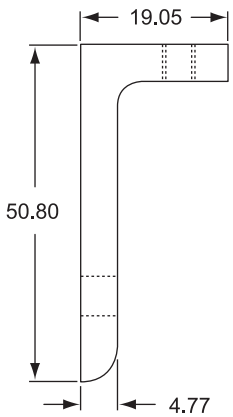
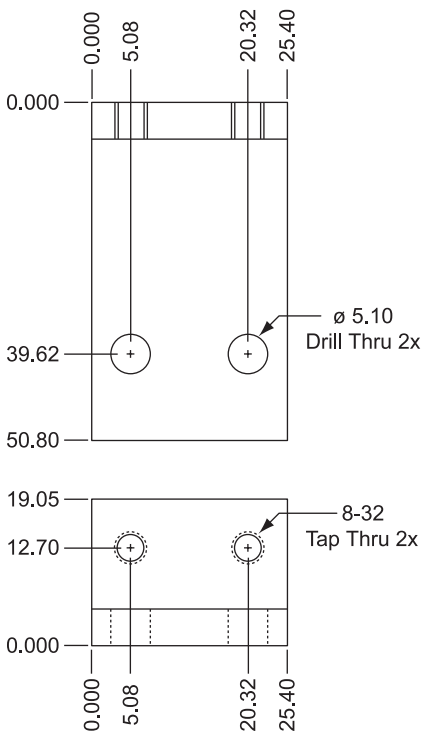
Custom Machining Services

80/20® offers industry-leading custom machining services using any in-stock 80/20 product. If you can dream it, you can build it — the combination of our experienced design team and our top-of-the-line custom machining equipment help make almost anything possible! See below for required information when ordering a custom machined part. Please review the information, and reference the example drawing shown below, to help you understand the setups required to ensure an accurate custom machining order.

Required Information When Ordering Custom Machining

- Specify the product part number when machining an 80/20 product.
- Specify the product finish - anodized, mill, oxide, or other plating.
- We prefer ordinate dimensioning, with zero corner in the upper or lower left.
- CAD files are always best to send electronically, however we will accept faxes. All drawing information must be written clearly and large for easy reading. (80/20 may require a sign-off on a redrawn version of your submitted print.)
- Use standard 80/20 machining callouts wherever applicable.
- Use three views where possible; refer to the example shown below.





How to Order 80/20® Machining Services

Machining services may be required to connect profiles together or mount accessories. To avoid problems during assembly, it is important to list all machining services on your order. When ordering machining services, the services do not need to be listed in any specific order. Be sure to include all quantities and machining placements, and include a drawing if required.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/UOM	Ext. Price
1	25-2525	2	469.9mm	25-7042 in A both ends	$0.01	$7.89
	40-4040-Lite-4m	5	4 m	Full length profile	$80.00	$400.00
	40-8016	4	1016.0mm	40-7029 one end	$0.14	$554.74
	40-8080	4	914.4mm	40-7050 style MG in W, X both ends	$0.06	$230.43
2	CM01-051006	2		Custom bracket per drawing #1	$23.00	$46.00
3	65-2611	1	.63 sm	6mm bronze polycarb 1 @ 457.2mm x 1016mm w/ 25-7311 per drawing	$111.95	$70.53
4	65-7150	1		Cut plastic panels all sides < -1220mm	$10.50	$10.50
	25-7042	4		25 Series anchor fastener counterbore	$2.25	$9.00
	25-7005	2		Cut-to-length for 25-2525	$1.95	$3.90
	40-7023	4		Cut-to-length for 40-8016	$2.90	$11.60
	40-7030	4		Cut-to-length for 40-8080	$2.60	$10.40
	40-7050	64		40 Series drill access hole	$1.95	$124.80
	40-7029	4		5/16-18 tap service for 40-8016	$15.20	$60.80
	25-7311	2		Anchor fastener notch for 25 Series	$0.53	$1.06
5	40-3891	32		40 Series M8 bright zinc end fastener w/ screw	$1.65	$52.80
	25-2114	16		Gray T-Slot covers for 25 Series	$3.45	$55.20
	40-2050	8		End caps for 40-8080	$1.85	$14.80
	25-3896	4		25 Series anchor fasteners	$3.10	$12.40
	40-1982	5		40 Series M8 bright zinc double economy T-nut	$0.84	$4.20
	25-4132	12		2 hole inside corner gusset bracket	$3.95	$47.40
	75-3404	24		25 Series M6 BHSCS & economy T-nut	$0.45	$10.80
				TOTAL		$1739.25

NOTE: Prices shown for illustration use only. Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 640-694 • 2 - Custom Parts = Pages 695-710 • 3 - Panels = Pages 831-914

4 - Machining Services = Pages 1025-1078 • 5 - Accessories & Tools = Pages 915-938 & 1015-1024

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How to Order 80/20® Machining Services continued

Be sure that each ordered machining service references a product on your current order. For example, if you order a piece of 40-4040 profile that is less than 4m / 6m (stock length) you will need to include the cut-to-length service in your order. When finished, your machining order should look like the example below.

When placing your order with 80/20®, list all profiles, panels, machining services, and hardware in separate sections.

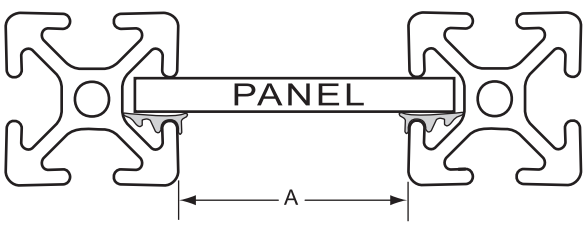
Part Number	Quantity	Length	Machining / Part Description
40-4040	2		
40-7010	2	2133mm	40-4040 Cut-To-Length 2 @ 1066.5mm

To make sure you have chosen the correct machining services, carefully read the notations next to the machining description. If you are having difficulty with machining service selections, contact your local 80/20® distributor or call 260-248-8030 for free design assistance.

80/20® Machining Service Considerations

- **Save your time and labor cost - have 80/20 machine it for you**
- **Easy to use instructions on how to place an order with machining**
- **Opportunity to customize your project to your specifications**
- **Your order will arrive at your door machined, cleaned, and ready to assemble (Remember to order your tools!)**

Design Tip: Sizing Panels



To determine panel size:

	Add to "A"
20 Series	10mm
30 Series	15mm
45 Series	24mm

www.8020.net/beyond.asp

Legend for Icons

This part can use double economy T-nuts. See page 757.

Cut-To-Length Service

- All 80/20® cuts are set to a hard stop — ensuring identical length
- All profiles are deburred, washed, dried, and wrapped before shipping
- Reduce shipping time and cost by ordering 2692.4mm profiles that can ship via UPS
- All cut tolerances are +/- .38mm
- Square tolerance on all cuts: .02mm per cm max

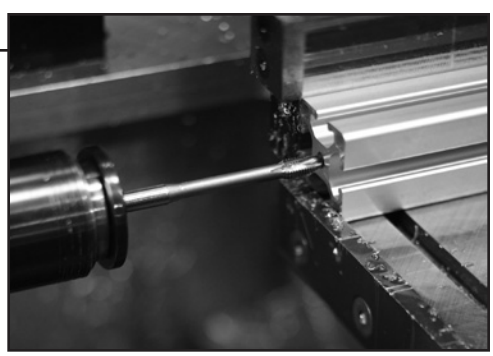
Cut-To-Length For T-Slotted Profiles

Part No.	Series	Profile Part No.
20-7005	20	20-2020
20-7020	20	20-2040
20-7030	20	20-4040
25-7005	25	25-2525, 25-2501, 25-2502, 25-2503, 25-2504, 25-2527 & 25-2514
25-7000	25	25-2550 & 25-5013
25-7003	25	25-2576
25-7012	25	25-5050
25-7013	25	25-5010
30-7010	30	30-3030
30-7020	30	30-3060
30-7030	30	30-6060
40-7010	40	40-4001, 40-4002, 40-4003, 40-4004, 40-4040, 40-4040-Lt, 40-4030-Lt, 40-4045-Lt & 40-4020
40-7020	40	40-4080, 40-4080-Lt, 40-8020, 40-4082-Lt, 40-4083-Lt, 40-4084-Lt, 40-4085-Lt, 40-4093, 40-4094 & 40-4096
40-7021	40	40-4012
40-7030	40	40-8080
40-7023	40	40-8016
45-7010	45	45-4545, 45-4545 Lt
45-7020	45	45-4590
45-7030	45	45-9090

Cut-To-Length For Structural Shapes

Service Part No.	Applicable Profiles	Cut Squareness	Cut Tolerance
65-7212	Shapes w/ All Profile Sides Less Than 82 mm	.02mm / cm	+/- .38mm
65-7224	Shapes w/ Any Profile Side 82 mm or Greater	.02mm / cm	+/- .38mm

Profile End Tap Service



- T-slotted profiles have a tap drill diameter hole extruded through the length of the profile
- End taps allow for insertion of the bolt for mounting end fasteners and accessories
- Call out the profile left or right end when ordering end taps
- 25 Series extruded tap drill diameter is 5mm
- 40 Series extruded tap drill diameter is 6.80mm

See chart on next page.

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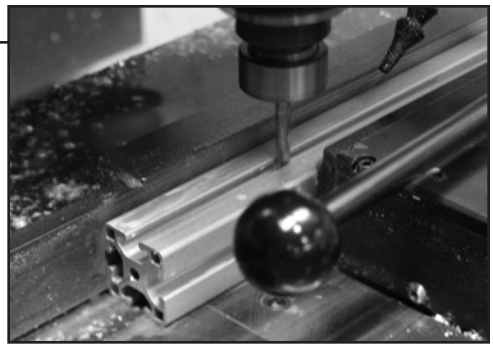
Profile End Tap Service continued

Part No.	Series	Tap Size	Minimum Depth (mm)	Profile Part No.
20-7063	20	M5 x .80	22.2	20-2020
20-7061	20	10-32	22.2	20-2020
20-7047	20	M5 x .80	22.2	20-2040
20-7046	20	10-32	22.2	20-2040
20-7067	20	M5 x .80	22.2	20-4040
20-7064	20	10-32	22.2	20-4040
25-7061	25	1/4-20	28.6	25-2525, 25-2501, 25-2502, 25-2503, 25-2504 & 25-2527
25-7063	25	M6 x 1.0	28.6	25-2525, 25-2501, 25-2502, 25-2503, 25-2504 & 25-2527
25-7006	25	10-32	22.2	25-2514
25-7007	25	M5 x 0.8	22.2	25-2514
25-7008	25	10-32	22.2	25-5013
25-7009	25	M5 x 0.8	22.2	25-5013
25-7046	25	1/4-20	28.6	25-2550
25-7047	25	M6 x 1.0	28.6	25-2550
25-7036	25	1/4-20	28.6	25-2576
25-7037	25	M6 x 1.0	28.6	25-2576
25-7064	25	1/4-20	28.6	25-5050
25-7067	25	M6 x 1.0	28.6	25-5050
25-7038	25	1/4-20	28.6	25-5010
25-7039	25	M6 x 1.0	28.6	25-5010
30-7059	30	M8 x 1.25	28.6	30-3030
30-7060	30	5/16-18	28.6	30-3030
30-7048	30	M8 x 1.25	28.6	30-3060
30-7045	30	5/16-18	28.6	30-3060
30-7056	30	M8 x 1.25	28.6	30-6060
30-7055	30	5/16-18	28.6	30-6060
40-7060	40	5/16-18	31.7	40-4001, 40-4002, 40-4003, 40-4004, 40-4040, 40-4040-Lt, 40-4030-Lt, 40-4045-Lt, 40-4093, 40-4094 & 40-4096
40-7059	40	M8 x 1.25	31.7	
40-7025*	40	3/8-16	38.1	
40-7053*	40	M10 x 1.5	38.1	
40-7054*	40	7/16-14	38.1	
40-7014	40	5/16-18	31.7	40-4020
40-7015	40	M8 x 1.25	31.7	40-4020
40-7016	40	5/16-18	31.7	40-8020
40-7017	40	M8 x 1.25	31.7	40-8020
40-7045	40	5/16-18	31.7	40-4080, 40-4080-Lt, 40-4082-Lt, 40-4083-Lt, 40-4084-Lt & 40-4085-Lt
40-7048	40	M8 x 1.25	31.7	
40-7024*	40	3/8-16	31.7	
40-7032*	40	M10 x 1.5	38.1	
40-7033*	40	7/16-14	38.1	
40-7026	40	5/16-18	31.7	40-4012
40-7028	40	M8 x 1.25	31.7	40-4012
40-7055	40	5/16-18	31.7	40-8080
40-7056	40	M8 x 1.25	31.7	40-8080
40-7029	40	5/16-18	31.7	40-8016
40-7031	40	M8 x 1.25	31.7	40-8016
45-7053	45	M12 x 1.75	38.1	45-4545, 45-4545 Lt
45-7054	45	1/2-13	38.1	45-4545, 45-4545 Lt
45-7032	45	M12 x 1.75	38.1	45-4590
45-7024	45	1/2-13	38.1	45-4590
45-7036	45	M12 x 1.75	38.1	45-9090
45-7035	45	1/2-13	38.1	45-9090

* 3/8-16, 7/16-14 & M10 taps require a predrilling operation (included).

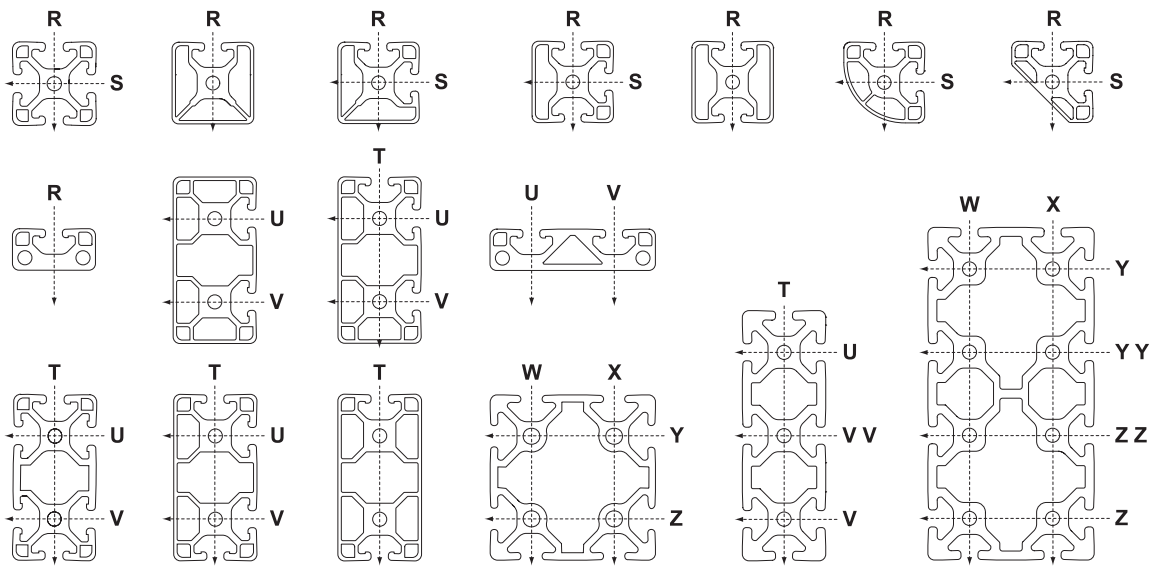
Access Hole Drilling Service

- **Access holes are required to access the head of fastener screw with a tool**
- **Access holes are ordered per hole**
- **See below for access hole T-slot designations**
- **Please specify the total number of holes required**
- **Call out the location of the center of the hole from the left end of the profile**



Part No.	Description	Hole Diameter mm (in)
20-7069	20 Series Access Hole	4.60mm (.180)
25-7051	25 Series Access Hole	5.50mm (.218")
30-7246	30 Series Access Hole	8.30mm (.328)
40-7050	40 Series Access Hole	7.50mm (.295")
45-7248	45 Series Access Hole	10.00mm (.393)

Access Hole Designations



Note: All access hole "Styles" are drilled to the predetermined locations (see the following page). When ordering "Open Style" (customer defined location) access holes a drawing must be provided.

DO NOT CHAIN DIMENSION YOUR DRAWING!

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Access Hole Ordering Details

When ordering T-slotted profiles with access holes, it is important to include specific details to make sure the machining matches your specifications exactly. We have created access hole "Styles" to help make ordering this service an easier process. Reference the ordering example and the style listing (below) for the proper ordering method.

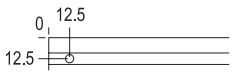
When placing your order with 80/20® list all profiles, panels, machining services, and hardware in separate sections.

Part Number	Quantity	Length	Machining / Part Description
40-7050	8		Style B In R Both Ends
40-7010	2		40-4040 Cut-To-Length
40-4040	2	2133mm	2 @ 1066.5mm

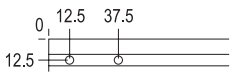
Step #1 Indicate the service number.
Step #2 Select the style.
Step #3 Designate the T-slot location.
Step #4 List the profile end (separately).

These steps are a "Must Do" when ordering access holes. If you require an access hole that does not apply to any of the styles listed below, refer to the "Open Style" ordering example listed on the previous page.

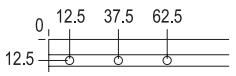
25 Series Access Hole Drilling Styles



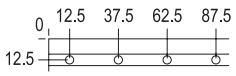
Style "MC" (5.5mm Dia Drill Thru)



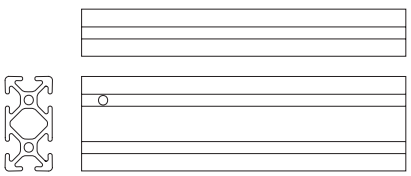
Style "MD" (5.5mm Dia Drill Thru)



Style "MH" (5.5mm Dia Drill Thru)

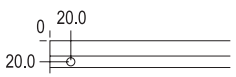


Style "MJ" (5.5mm Dia Drill Thru)

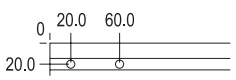


Ordering Example:
(1) 25-2550x 300mm w/
#25-7051 Style MC in U left end.

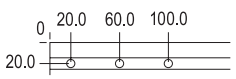
40 Series Access Hole Drilling Styles



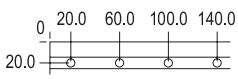
Style "MA" (7.5mm Dia Drill Thru)



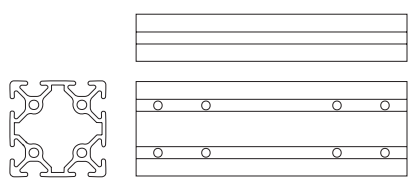
Style "MB" (7.5mm Dia Drill Thru)



Style "MF" (7.5mm Dia Drill Thru)



Style "MG" (7.5mm Dia Drill Thru)



Ordering Example:
(1) 40-8080 x 300mm w/ #40-7050 Style MB in Y and Z left end, #40-7050 in Y and Z right end.

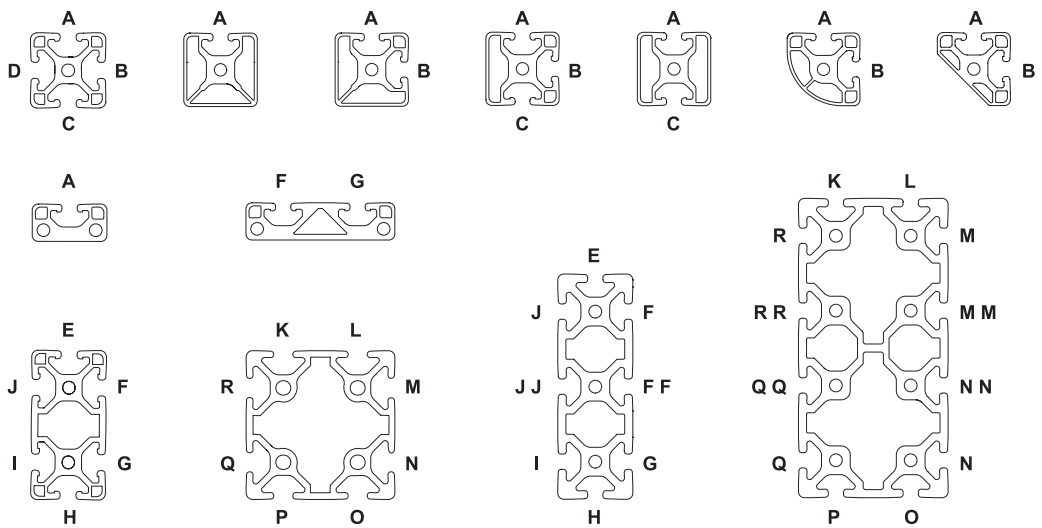
Anchor Fastener Counterbore Service

- **Anchor fastener counterbores are required when using an anchor or butt fastener for a profile connection**
- **A counterbore allows the anchor fastener face to be flush with profile surface**
- **See below for counterbore T-slot designations**

Part No.	Series	Fastener Type	Counterbore Size
20-7042	20	Anchor Fastener	12.00mm Diameter x 9.50mm Deep
25-7042	25	Anchor Fastener	14.30mm Diameter x 10.70mm Deep
25-7043	25	Butt Fastener	
30-7044	30	Anchor Fastener	15.88mm Diameter x 13.20mm Deep
40-7044	40	Anchor Fastener	20.00mm Diameter x 16.70mm Deep
40-7049	40	Butt Fastener	
40-7040*	40	Anchor Fastener	15 Series Counterbore Machined for 40 Series
40-7041*	40	Butt Fastener	

* See pages 242-244 for fractional anchor fasteners and butt fasteners

Anchor Fastener Designations



Ordering Example: (2) 30-3030 x 908.0 mm w/30-7044 in A & C both ends.

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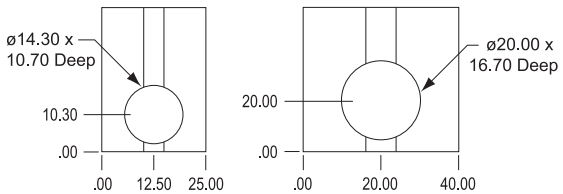
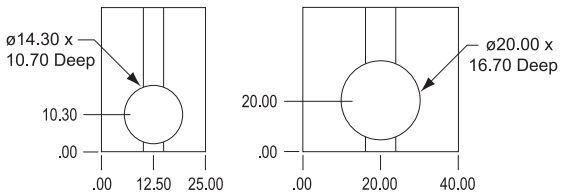
Do It Yourself Counterbore Details

Anchor Counterbore Details

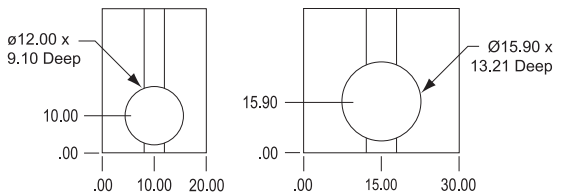


25 Series 40 Series

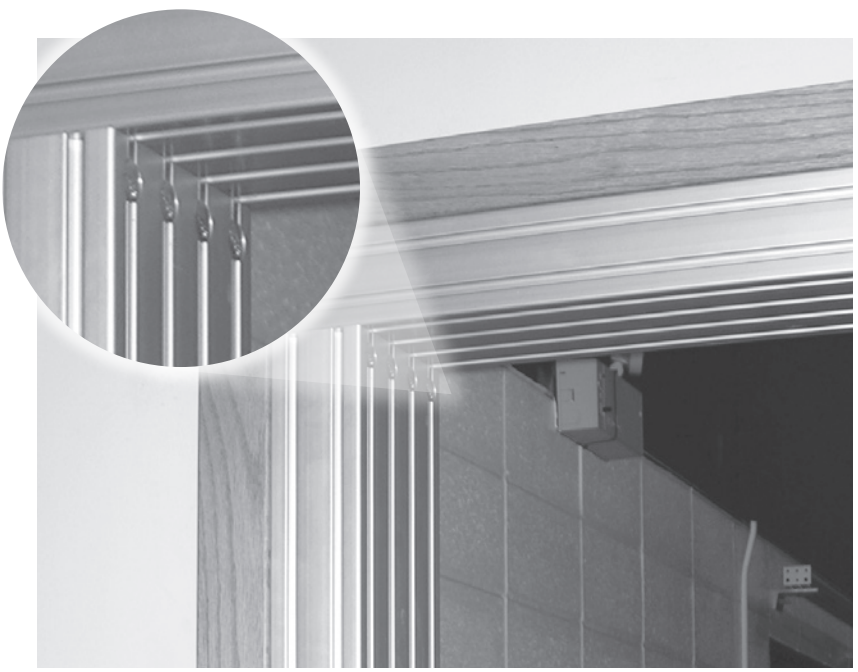
Butt Fastener Counterbore Details



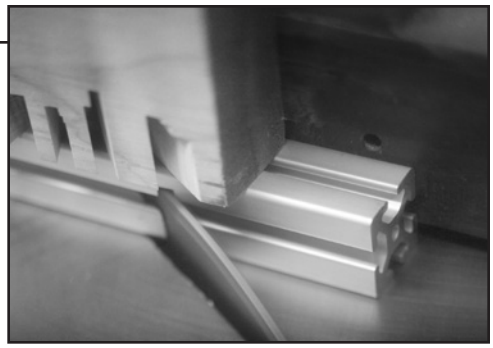
25 Series 40 Series



20 Series 30 Series



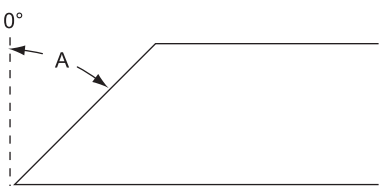
Custom Miter Cut Service



- **T-slotted profiles can be miter cut to angles of 15º to 90º or 30º to 90º for select profiles (with the exception of the 40-8016 profile, which can only be cut to an angle of 45º across the 160mm side)**
- **Unique structural shapes may also be made with mitered end connections**
- **Please submit a drawing of your mitered shapes with your order, this allows us to completely understand your needs**

Part No.	Series	Applicable Profiles	Minimum Angle*	Max Angle*
20-7065	20	20-2020	0°	75°
20-7075	20	20-2040	0°	60°
20-7085	20	20-4040	0°	60°
25-7066	25	25-2525, 25-2501, 25-2502, 25-2503, 25-2504, 25-2527 & 25-2514	0°	75°
25-7070	25	25-2550 & 25-5013	0°	60°
25-7071	25	25-5050	0°	60°
25-7072	25	25-2576	0°	60°
25-7073	25	25-5010	0°	45°
30-7065	30	30-3030	0°	75°
30-7075	30	30-3060	0°	60°
30-7085	30	30-6060	0°	60°
40-7065	40	40-4001, 40-4002, 40-4003, 40-4004, 40-4040, 40-4040-Lt, 40-4030-Lt, 40-4045-Lt & 40-4020	0°	75°
40-7075	40	40-4080, 40-4080-Lt, 40-8020, 40-4082-Lt, 40-4083-Lt, 40-4084-Lt & 40-4085-Lt	0°	60°
40-7085	40	40-8080	0°	60°
40-7076	40	40-4012	0°	60°
40-7087	40	40-8016	0°	45°
45-7065	45	45-4545, 45-4545-Lite	0°	75°
45-7075	45	45-4590	0°	60°
65-7261	25 / 40	Structural Shapes	0°	75°

* Minimum and maximum angle refers to Dimension A.



See next page for miter cut worksheet →

Note: Structural shape minimum angle is dependent on profile size

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Profile Miter Cut Worksheet

All T-slotted profiles may have miter cuts from 0º to 75º, EXCEPT for 3060 which can only be cut along the long side at 0º to 45º and 40-8016 which can only be cut along the long side at 0º to 40º. Example shown below:

Ordering Example:
(4) 40-4080 x 450mm w/ # 40-7075 in Left End and w/ # 40-7075 in Right End per drawing.

A = 30º **B** = 450mm **C** = 80mm
D = 45º **E** = 45º **F** = 60º

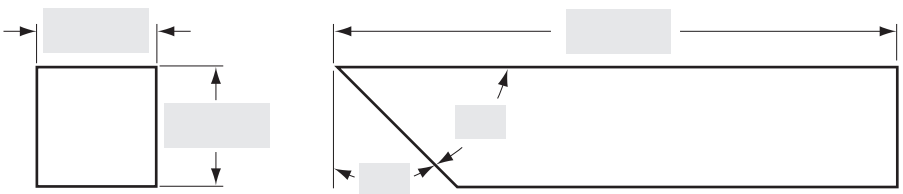
AutoQuoterX™ always indicates material removed from the profile. (See dimension reference A and D)

Note: Structural shape minimum angle is dependent on profile size

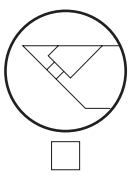
www.8020.net/techtoolintro.asp

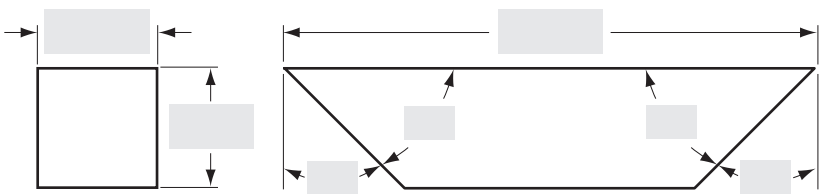
T-Slotted Extrusion Dimensions

(Be sure to complete all required fields)

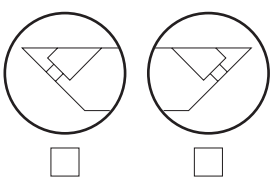


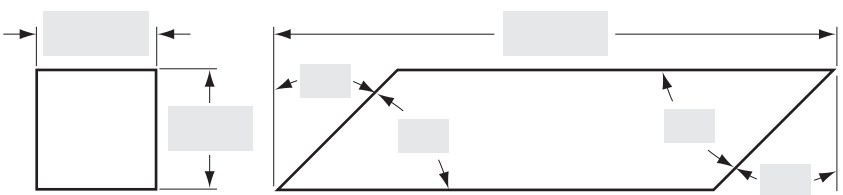
Counterbore Detail



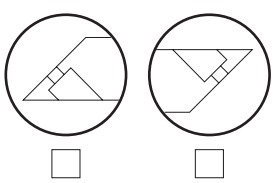


Counterbore Detail





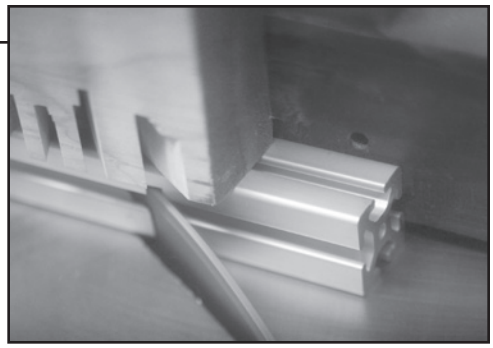
Counterbore Detail



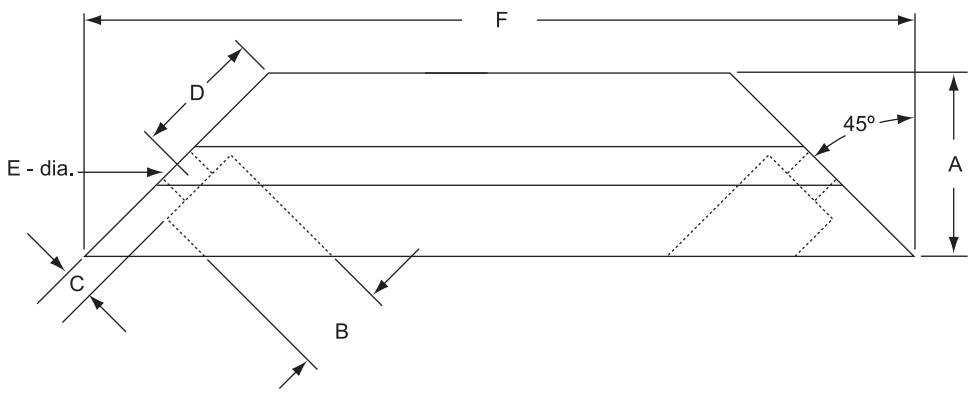
NOT to Scale Standard Tolerances: Profile Cut to Length +/- .015 • Angular Tolerance +/- 1º

Custom 45º Supports

- **Create 45º supports without use of external joining plates**
- **Custom lengths to your specifications up to 1220mm long**
- **20 Series includes M5 x 12mm SHCS, washer and threaded plate for mounting to T-slots**
- **25 Series includes M6 x 16mm SHCS, washer and economy T-nut for mounting to T-slots**
- **30 Series includes M8 x 16mm SHCS, washer and economy T-nut for mounting to T-slots**
- **40 Series includes M8 x 20mm SHCS, washer and economy T-nut for mounting to T-slots**
- **45 Series includes M8 x 20mm SHCS, washer and economy T-nut for mounting to T-slots**



Ordering Example:
(2) 30-3030 x 605mm w/ #30-7080
Miter Cut and Counterbore, F = 450



Part No.	Profile Part No.	A	B	C	D	E	F
20-7080	20-2020	20.00	12.70	5.00	14.14	5.30	Custom
20-7090	20-2040	20.00	12.70	5.00	14.14	5.30	Custom
25-7081	25-2525, 25-2501, 25-2502, 25-2503 & 25-2504	25.00	13.00	6.30	17.68	6.30	Custom
25-7084	25-2550	25.00	13.00	6.30	17.68	6.30	Custom
25-7086	25-2576	25.00	13.00	6.30	17.68	6.30	Custom
30-7080	30-3030	30.00	19.00	6.30	21.21	8.30	Custom
30-7090	30-3060	30.00	19.00	6.30	21.21	8.30	Custom
40-7080	40-4001, 40-4002, 40-4003, 40-4004, 40-4040 & 40-4040-Lt	40.00	19.00	6.30	28.28	8.30	Custom
40-7090	40-4080, 40-4080-Lt, 40-4082-Lt, 40-4083-Lt, 40-4084-Lt & 40-4085-Lt	40.00	19.00	6.30	28.28	8.30	Custom
40-7093	40-4012	40.00	19.00	6.30	28.28	8.30	Custom
45-7080	45-4545, 45-4545-Lite	45.00	19.00	6.30	31.81	8.30	Custom
45-7090	45-4590	45.00	19.00	6.30	31.81	8.30	Custom

Note: The Center line of the counterbore matches the center line of the profile's designated T-slot.

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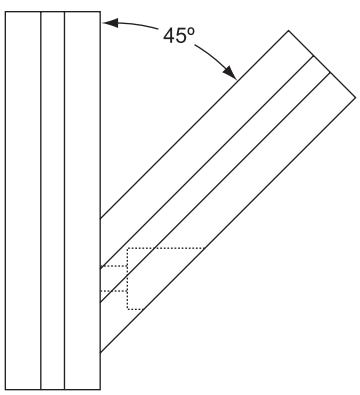
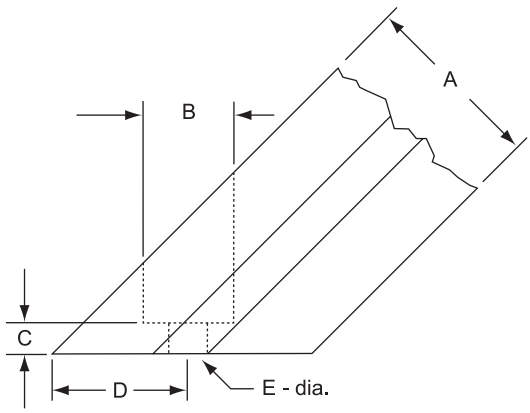
Miter Cut Counterbores

- **Counterbores available for miter cuts with angles of 30º to 60º**
- **Length of profile to be counterbored must be less than or equal to 1828mm**
- **Each Service ordered is for one end only**
- **20 Series includes M5 x 12mm SHCS, washer and threaded plate for mounting to T-slots**
- **25 Series includes M6 x 16mm SHCS, washer and economy T-nut for mounting to T-slots**
- **30 Series includes M8 x 16mm SHCS, washer and economy T-nut for mounting to T-slots**
- **40 Series includes M8 x 20mm SHCS, washer and economy T-nut for mounting to T-slots**
- **45 Series includes M8 x 20mm SHCS, washer and economy T-nut for mounting to T-slots**

Ordering Example:
(2) 40-4040 x 355mm w/ #4-07065 @ 45º Left End
Per Drawing and #40-7082 Left End



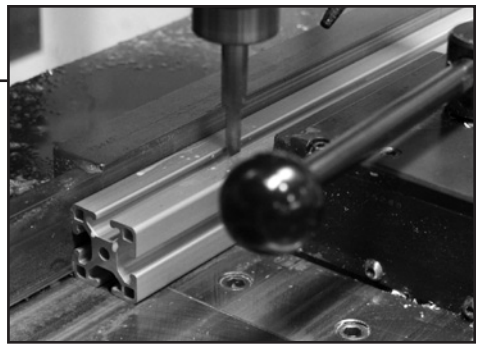


Part No.	Profile Part No.	A	B	C	D	E
20-7082	20-2020	20.00	12.70	5.00	14.14	5.30
20-7092	20-2040	20.00	12.70	5.00	14.14	5.30
25-7083	25-2525, 25-2501, 25-2502, 25-2503 & 25-2504	25.00	13.00	6.30	17.68	6.30
25-7079	25-2550	25.00	13.00	6.30	17.68	6.30
25-7074	25-2576	25.00	13.00	6.30	17.68	6.30
30-7082	30-3030	30.00	19.00	6.30	21.21	8.30
30-7092	30-3060	30.00	19.00	6.30	21.21	8.30
40-7082	40-4001, 40-4002, 40-4003, 40-4004, 40-4040 & 40-4040-Lt	40.00	19.00	6.30	28.28	8.30
40-7092	40-4080, 40-4080-Lt, 40-4082-Lt, 40-4083-Lt, 40-4084-Lt & 40-4085-Lt	40.00	19.00	6.30	28.28	8.30
40-7094	40-4012	40.00	19.00	6.30	28.28	8.30
45-7082	45-4545, 45-4545-Lite	45.00	19.00	6.30	31.81	8.30
45-7092	45-4590	45.00	19.00	6.30	31.81	8.30

Note: The Center line of the counterbore matches the center line of the profile's designated T-slot.

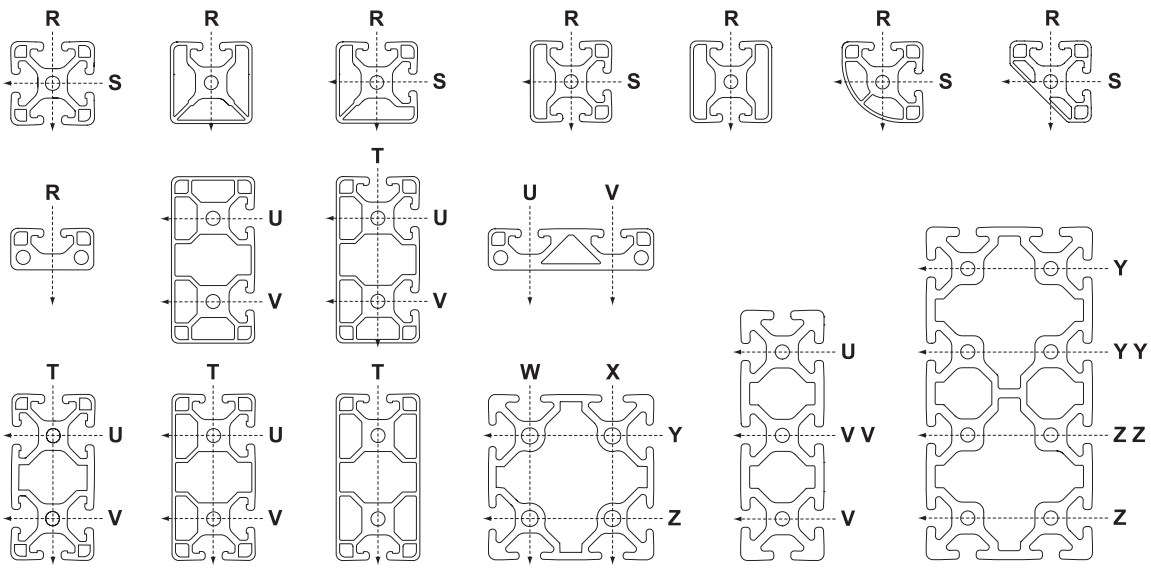
Clearance Drill Thru for T-Slotted Profiles - In Slot

- **Provides clearance for stem casters or leveling feet**
- **Hole locations are in the slot. See the designation charts and ordering examples below**
- **Refer to Section 8, Floor to Frame, for all the metric casters, leveling mounts and other floor to frame options**



Part No. - Hole in Slot	Hole Diameter	Compatibility Codes*
65-7244	6.50mm	6-10, 6-25, 8-15, 8-30, 8-40, 10-45
65-7246	8.30mm	6-10, 6-25, 8-15, 8-30, 8-40, 10-45
65-7248	11.10mm	6-10, 6-25, 8-15, 8-30, 8-40, 10-45
65-7240	14.30mm	8-15, 8-40, 10-45

Hole in T-Slot Designation Chart



Ordering Example: (2) 40-4080 x 610mm w/ #65-7246 in T @ 20.00mm and 590mm from Left End

Right End

Left End

* See Compatibility Code information on page 642.

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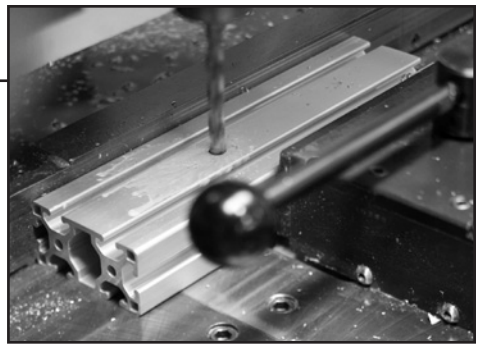
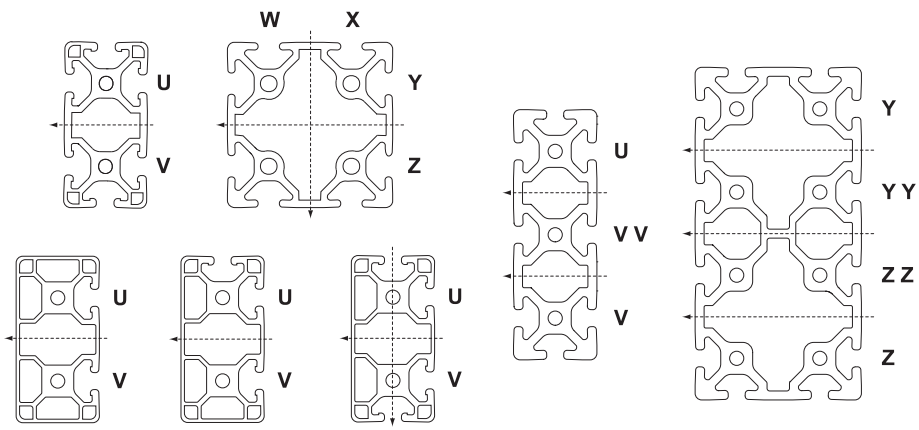
Clearance Drill Thru for T-Slotted Profiles - Between Slots



- **Provides clearance for stem casters or leveling feet**
- **Hole locations are between the slots. See the designation charts and ordering examples below**
- **Refer to Section 8, Floor to Frame, for all the metric casters, leveling mounts and other floor to frame options**

Part No. - Hole Between Slots	Hole Diameter	Compatibility Codes*
65-7241	6.50mm	6-10, 6-25, 8-15, 8-30, 8-40, 10-45
65-7243	8.30mm	6-10, 6-25, 8-15, 8-30, 8-40, 10-45
65-7245	11.10mm	6-10, 6-25, 8-15, 8-30, 8-40, 10-45
65-7247	14.30mm	8-15, 8-40, 10-45

Hole Between T-Slot Designation Chart



Right End

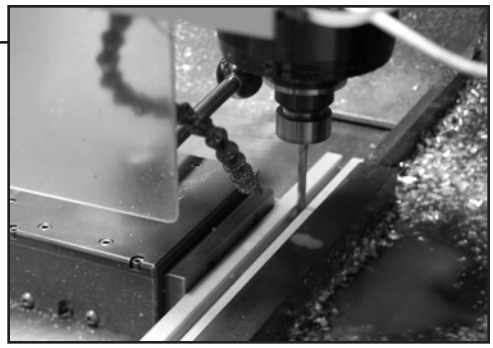
Left End

Ordering Example:
(2) 40-4080 x 610mm w/ #65-7245 Between U and V @ 20.00mm from Left End

* See Compatibility Code information on page 642.

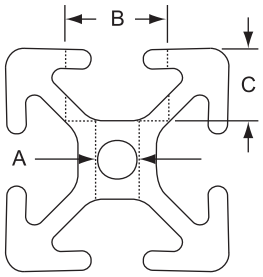
Drill Thru & Counterbore for T-Slotted Profiles

- **Machined hole for bolting through T-slotted profiles**
- **Please specify quantity clearly; drill and counterbore services are ordered per hole**
- **See below for drill and counterbore designations**
- **See pages 1029 for end tap services**
- **See Section 3 for fasteners**



Service Part No.	Series	A	B	C
25-7256	25	6.50mm	10.30mm	6.50mm
30-7257	30	8.30mm	13.50mm	9.27mm
40-7257	40	8.30mm	13.50mm	12.70mm

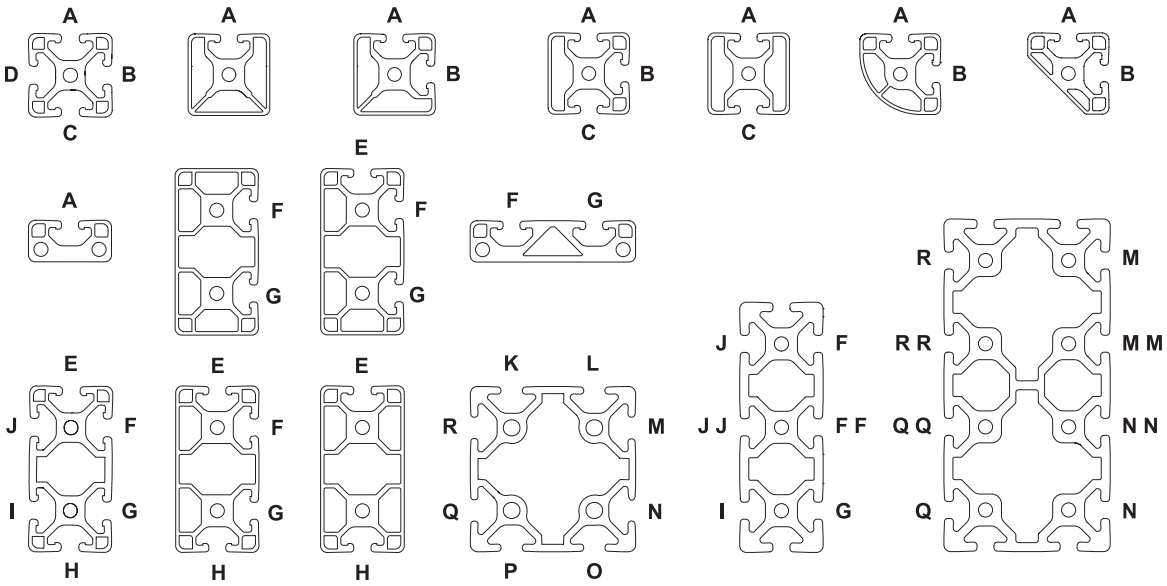
Ordering Example:
(2) 40-4040 x 610mm w/ #40-7257 in A @ 20.00mm and 590mm from Left End



Right End

Left End

Drill Thru & Counterbore Designations



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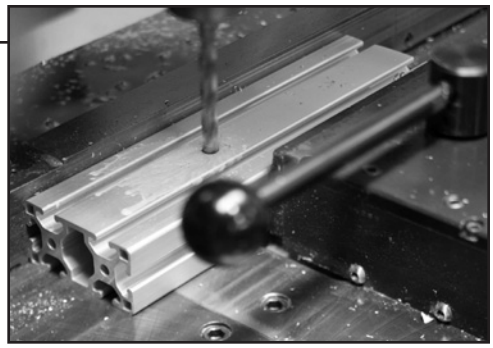
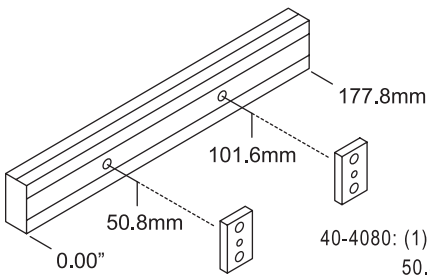
Drill Thru Profile Wall for Manifold Plates

- **Reference hole locations by specifying "between" T-slot designations**
- **Refer to pages 934-935 for full offering of profile pressure manifold plates and accessories**
- **Eliminates the need for custom machining**
- **This service drills thru one profile wall only**

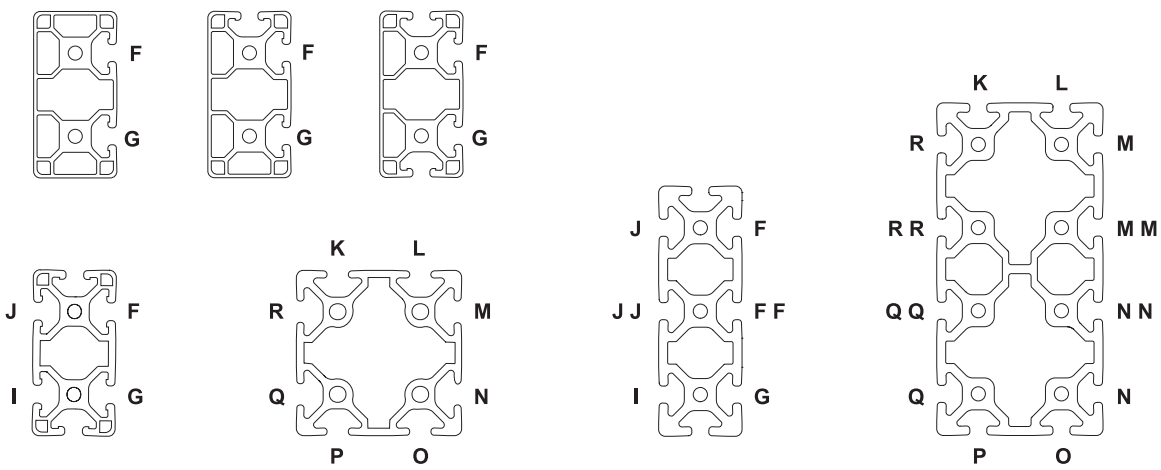




Ordering Example:
40-4080: (1) @177.8mm w/ #40-7068 btwn F and G @ 50.8mm and 101.6mm from Left End

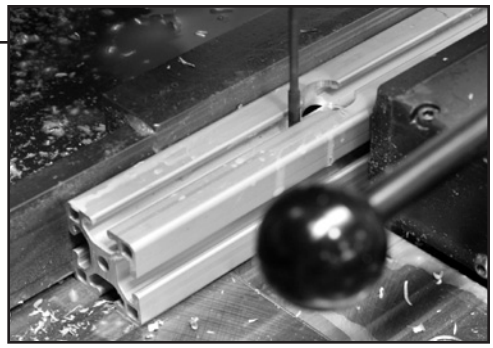
Service Part No.	Series	Hole Diameter
25-7062	25 Series	8.30mm
40-7068	40 Series	9.50mm

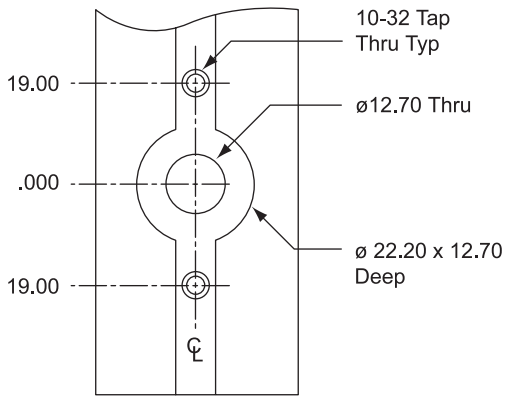
Manifold Plate Drill Thru Designations

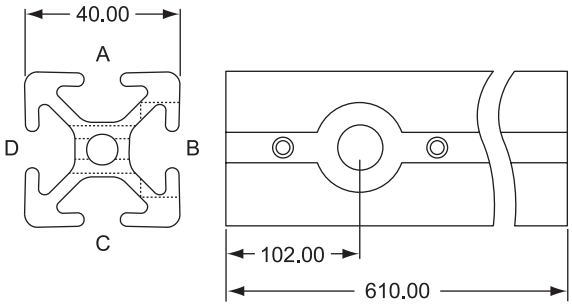


Deluxe Door Handle Milling Service

- **To order, specify distance from the left end to the 0.00mm point**
- **Refer to page 866 for full offering of deluxe door handles**
- **40 Series compatible - handle mounts through 40mm dimension only**



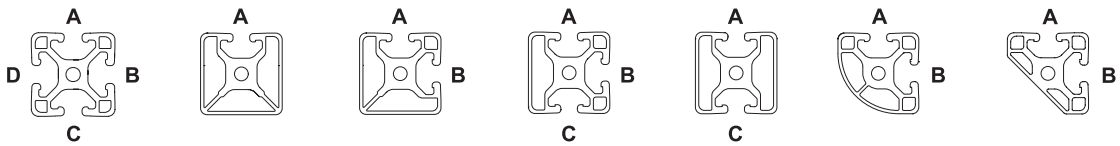


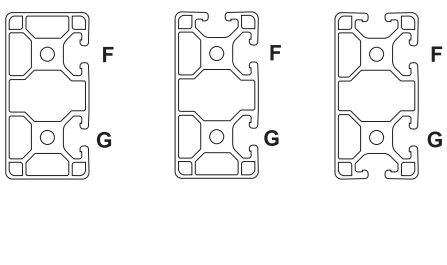


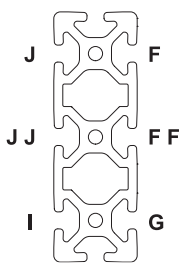
Ordering Example:
(1) 40-4040 x 610mm w/ #65-7305 in B @ 102mm from left end.

Service Part No.	Series	Bore Size (Depth)
65-7305	40	ø22.20mm x (12.70mm)

Deluxe Door Handle Machining Designations







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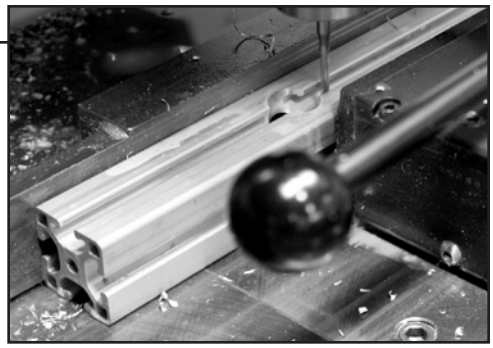
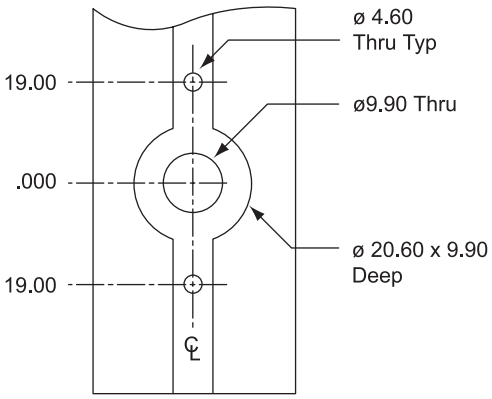
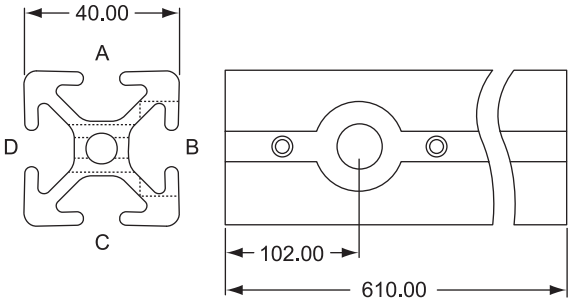
Furniture Style Handle Milling Service

- **To order, specify distance from the left end to the 0.00mm point**
- **Refer to page 867 for full offering of furniture style handles**
- **Handle mounts through 25mm and 40mm dimension only**



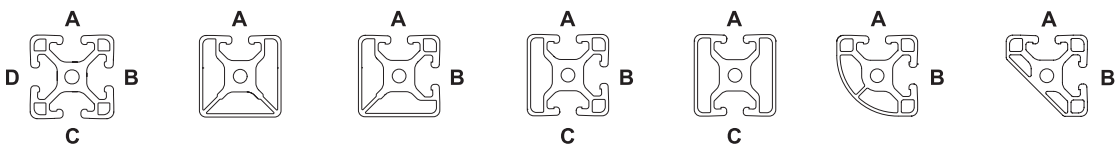


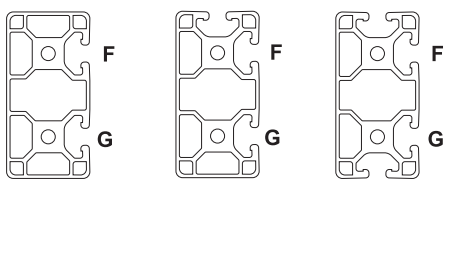


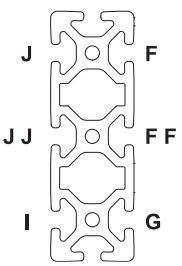
Ordering Example:
(1) 40-4040 x 610mm w/ #65-7315 @ 102mm - Slot D

Service Part No.	Series	Bore Size (Depth)
65-7315	25 & 40	ø20.60mm x (9.90mm)

Furniture Style Handle Machining Designations

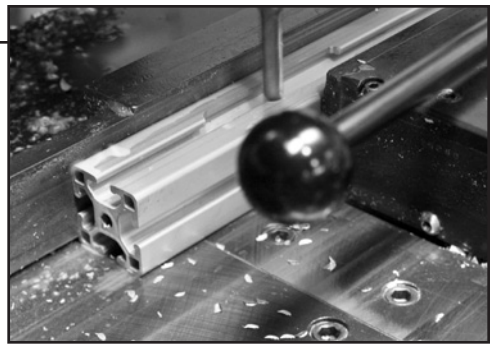




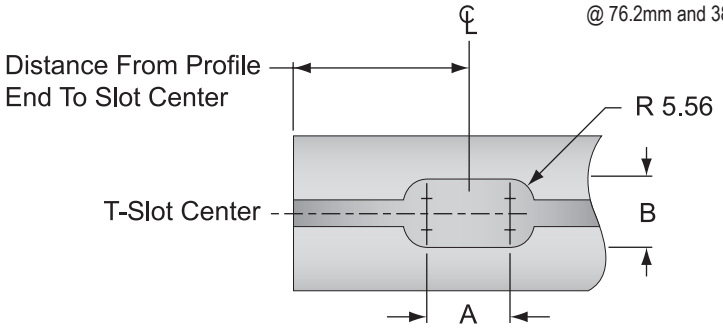


Economy T-Nut Clearance

- **Machined clearance for economy T-nut**
- **Please specify quantity clearly; T-nut clearance services are ordered per hole**
- **Slot length tolerance +/- .08mm**
  Slot width tolerance +/- .03mm
- **See below for T-nut clearance designations**
- **See pages 717-718 for economy T-nuts**



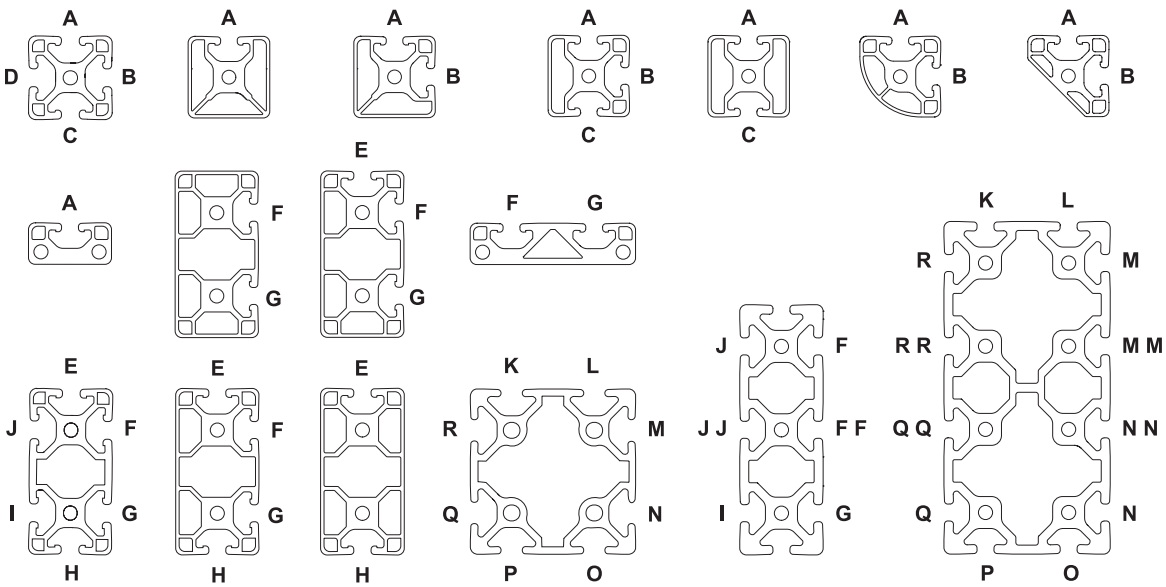
Ordering Example: (2) 40-4040 x 457.2mm w/ #40-7102 in A @ 76.2mm and 381.0mm from Left End



Part No.	Works With	Slot Length "A" Center to Center	Slot Width "B" Overall
25-7098	Single	15.88	12.83
25-7101	Double	41.28	12.83

Part No.	Works With	Slot Length "A" Center to Center	Slot Width "B" Overall
40-7099	Single	19.38	17.78
40-7102	Double	67.00	17.78

Economy T-Nut Clearance Designations



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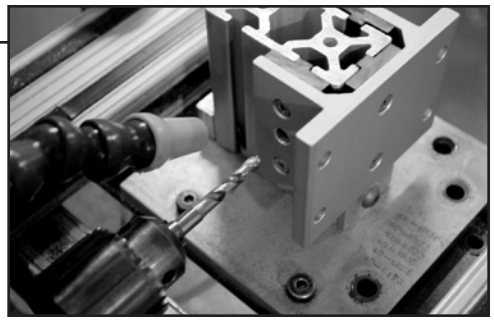
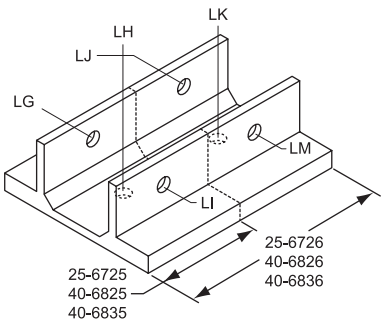
Brake Holes For Linear Bearings

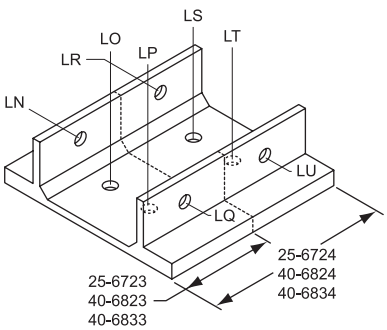
- **Easily add bearing brake kits found on page 1008**
- **Our brake hole location system makes ordering a quick and simple process**
- **Refer to page 1009 for our new line of brake kit-ready linear bearings**

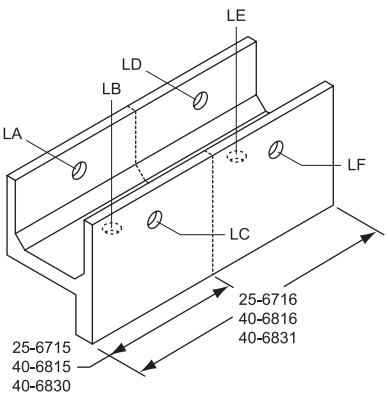


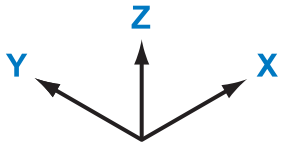
Ordering Example:
(1) 25-6724 w/ #25-7401
@ LN, LR, LQ and LU

Service Part No.	Series	Hole Diameter
25-7401	25	6.30mm
40-7400	40	8.70mm







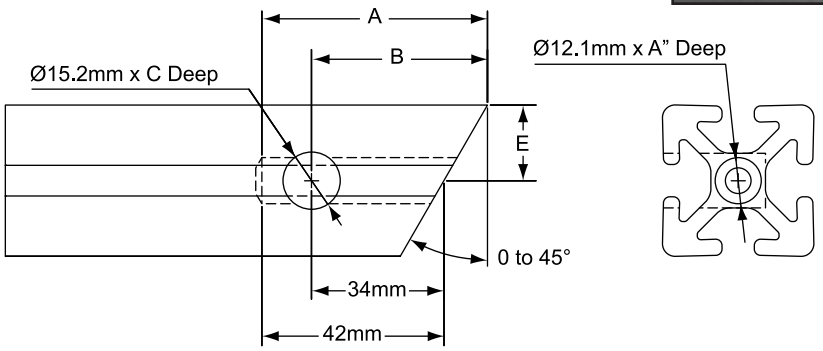


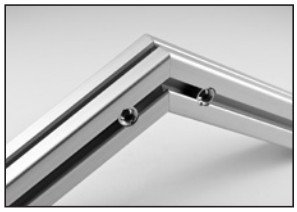
Service Part No.	Hole Locations	X	X*	Y	Z
25-6715 / 25-6716*	LA	23.50	25.00	–	38.80
	LB	23.50	25.00	20.30	–
	LC	23.50	25.00	–	38.80
25-6716*	LD	–	75.00	–	38.80
	LE	–	75.00	20.30	–
	LF	–	75.00	–	38.80
25-6725 / 25-6726*	LG	23.50	25.00	–	20.30
	LH	23.50	25.00	37.10	–
	LI	23.50	25.00	–	20.30
25-6726*	LJ	–	75.00	–	20.30
	LK	–	75.00	37.10	–
	LM	–	75.00	–	20.30
25-6723 / 25-6724*	LN	23.50	25.00	–	20.30
	LO	23.50	25.00	62.10	–
	LP	23.50	25.00	37.10	–
	LQ	23.50	25.00	–	20.30
25-6724*	LR	–	75.00	–	20.30
	LS	–	75.00	62.10	–
	LT	–	75.00	37.10	–
	LU	–	75.00	–	20.30
40-6815 / 40-6830 40-6816* / 40-6831*	LA	37.50	40.00	–	54.10
	LB	37.50	40.00	32.57	–
	LC	37.50	40.00	–	54.10
40-6816* / 40-6831*	LD	120.00	–	–	54.10
	LE	120.00	–	32.57	–
	LF	120.00	–	–	54.10
40-6825 / 40-6835 40-6826* / 40-6836*	LG	37.50	40.00	–	54.10
	LH	37.50	40.00	51.65	–
	LI	37.50	40.00	–	54.10
40-6826* / 40-6836*	LJ	120.00	–	–	32.26
	LK	120.00	–	51.65	–
	LM	120.00	–	–	32.26
40-6823 / 40-6833 40-6824* / 40-6834*	LN	37.50	40.00	–	32.26
	LO	37.50	40.00	91.65	–
	LP	37.50	40.00	51.65	–
	LQ	37.50	40.00	–	32.26
40-6824* / 40-6834*	LR	120.00	–	–	32.26
	LS	120.00	–	91.65	–
	LT	120.00	–	51.65	–
	LU	120.00	–	–	32.26

Machining Service for Miter Connector

NEW!

- **Miter connector counterbores are required when using a miter connector for a profile connection**
- **A counterbore allows the miter connector face to be flush with the profile surface**
- **See page 741 for miter connector**
- **See below for counterbore T-slot designations**

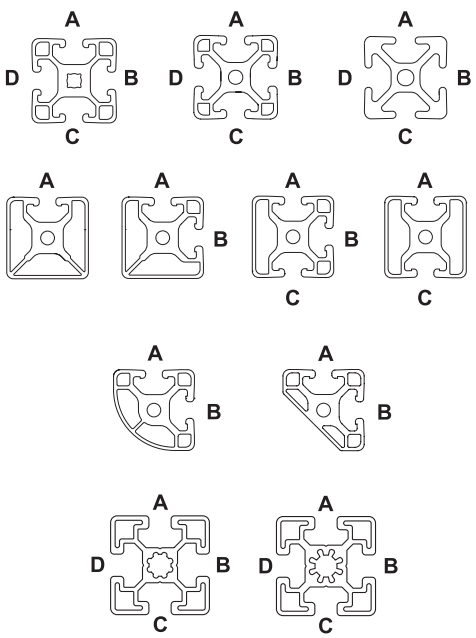




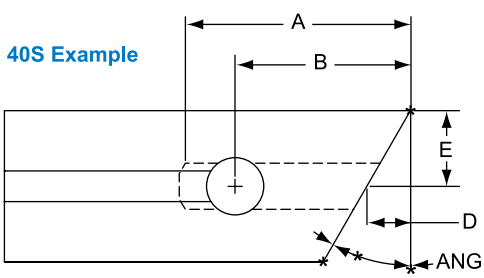
Part No.	Description
40-7110	40 Series Counterbore for Miter Connector
45-7110	45 Series Counterbore for Miter Connector

40 Series						
Bar Cut Angle (0-45):	ANG	7.5	15	22.5	30	45
Center of Bar:	E	20.000	20.000	20.000	20.000	20.000
Miter Offset:	D	2.633	5.359	8.284	11.547	20.000
12.1mm Dia Drill Depth:	A	44.633	47.359	50.284	53.547	62.000
15.2mm C-Bore from End of Bar:	B	36.633	39.359	42.284	45.547	54.000
C-Bore Depth:	C	27.300	27.300	27.300	27.300	27.300

45 Series						
Bar Cut Angle (0-45):	ANG	7.5	15	22.5	30	45
Center of Bar:	E	22.500	22.500	22.500	22.500	22.500
Miter Offset:	D	2.962	6.029	9.320	12.990	22.500
12.1mm Dia Drill Depth:	A	44.962	48.029	51.320	54.990	64.500
15.2mm C-Bore from End of Bar:	B	36.962	40.029	43.320	46.990	56.500
C-Bore Depth:	C	29.500	29.500	29.500	29.500	29.500



40S Example



ANG = 30°
E = 20mm
D = E x tan ANG D = 11.55mm
A = 42mm + D A = 54.00mm
B = 34mm + D B = 45.547mm

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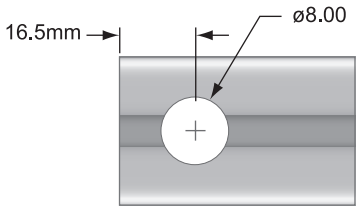
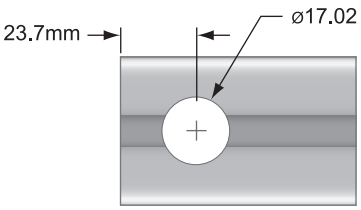
Drill Thru for Bolt Connector

- **Drill thru required for bolt connectors shown on page 736**
- **Designate the T-slot that requires a drill thru hole**
- **Designate Left End or Right End of the profile**



30-7034

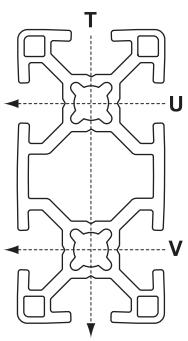


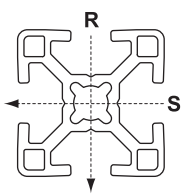
45-7034
45-7037

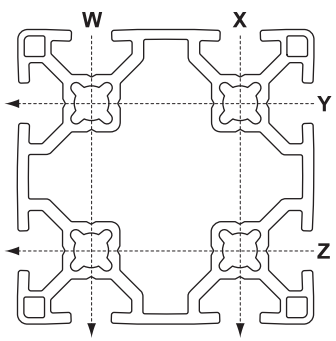
Part No.	Description
30-7034	30 Series Drill Thru for Bolt Connector
45-7034	45 Series Drill Thru for Bolt Connector (thru 45mm)
45-7037	45 Series Drill Thru for Bolt Connector (thru 90mm)

Ordering Example: (2) 45-4590 x 908.0mm w/45-7037 in slot R both ends.

Bolt Connector Designations







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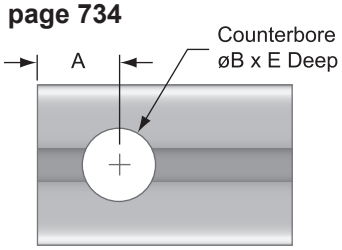
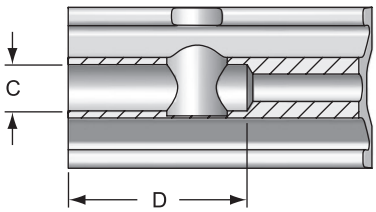
Machining Service for Central Connector

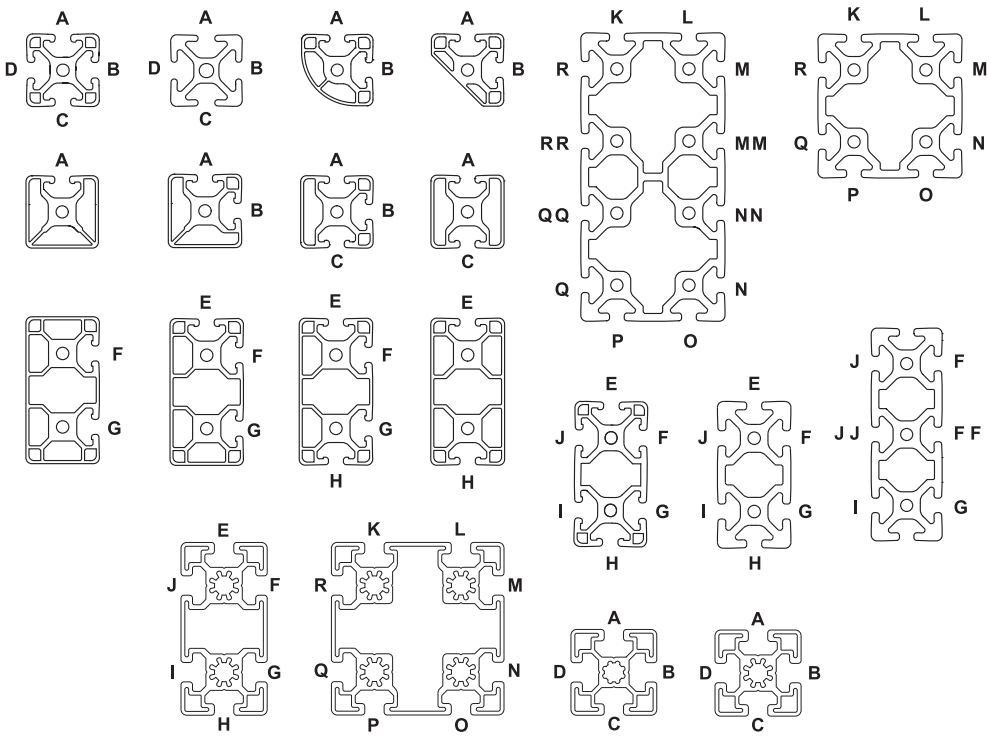
- **Two operations are performed with this service. The profile end hole is drilled and the T-slot is counterbored**
- **Designate the T-slot that requires the counterbore; either A, B, C or D**
- **Designate Left End or Right End of the profile**
- **Machining required for central connectors shown on page 734**





Part No.	Description	A	B	C	D	E
40-7058	40 Series Machining Service for Central Connector	32.00mm	15.14mm	11.50mm	44.50mm	27.00mm
45-7058	45 Series Machining Service for Central Connector	22.50mm	17.12mm	n/a	n/a	32.64mm

Central Connector Designations



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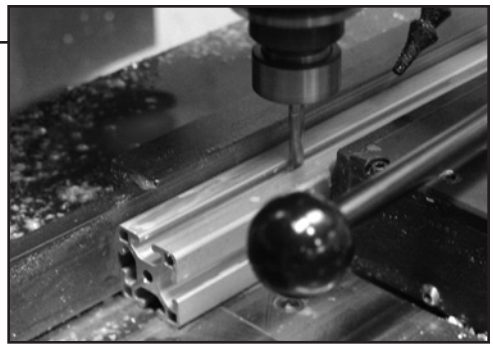
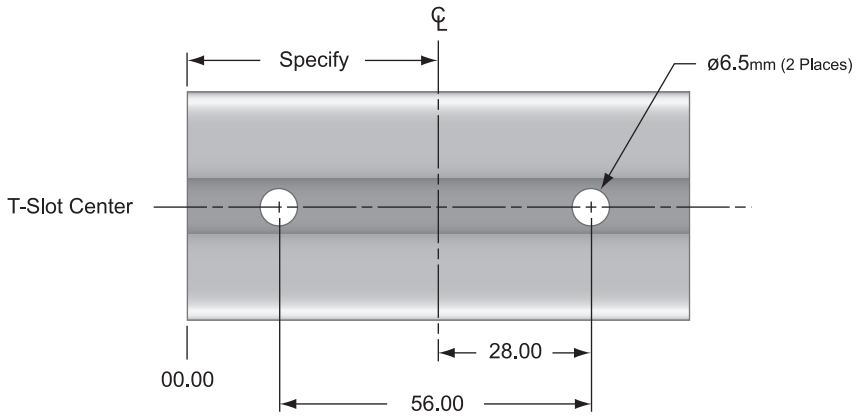
Drill for Slam Latch

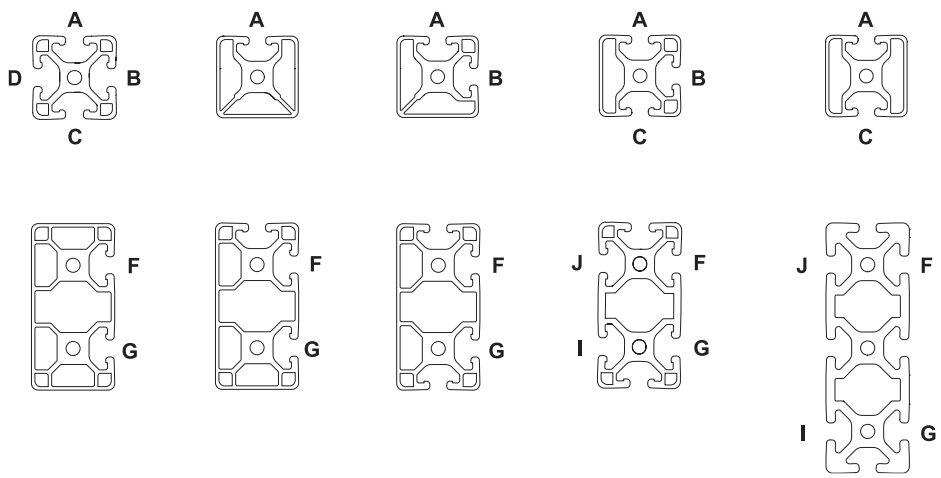
- **Mount the slam latch shown on page 869**
- **Designate the T-slot that requires the drilled thru holes; see designations below. This is also the slot to which the latch will mount.**
- **Designate the dimension from the 0.00 left end to the centerline point between the two holes**





Part No.	Series	Description
40-7306	40 Series	Machining Service for Slam Latch
45-7306	45 Series	

Slam Latch Designations



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Panel Cutting Service

- **Save time and money by having 80/20® cut your plastic panels to your specific size**
- **Refer to Section 6 for our full offering of plastic panels**
- **Please submit a drawing with your specifications to 80/20 or your local distributor**

For Plastic Panels Up to 6mm Thick

Service Part No.	Description	Cut Tolerance
65-7150	Cut Plastic Panel **ALL** Sides ≤ 1220mm	+/- 1.52
65-7155	Cut Plastic Panel **ANY** Side > 1220mm	+/- 1.52

For Aluminum Plate Up to 6mm Thick

Service Part No.	Description	Cut Tolerance
65-7167	Cut Aluminum Panel **ALL** Sides ≤ 1220mm	+/- 1.52
65-7168	Cut Aluminum Panel **ANY** Side > 1220mm	+/- 1.52

For Plastic Panels Thicker Than 6mm

Part No.	Description	Cut Tolerance
65-7151	Cut Thick Plastic Panel **ALL** Sides ≤ 1220mm	+/- 1.52
65-7153	Cut Thick Plastic Panel **ANY** Side > 1220mm	+/- 1.52

For Aluminum Plate Thicker Than 6mm

Part No.	Description	Cut Tolerance
65-7169	Cut Thick Aluminum Panel **ALL** Sides ≤ 1220mm	+/- 1.52
65-7170	Cut Thick Aluminum Panel **ANY** Side > 1220mm	+/- 1.52

Wire Mesh Shearing Service

- **Save time and money by having 80/20 shear your wire mesh panels to your specific size**
- **Refer to pages 912-913 for our full offering of wire mesh panels**
- **Please submit a drawing with your specifications to 80/20® or your local distributor**

Service Part No.	Description	Cut Tolerance
65-7095	Shear Wire Mesh **ALL** Sides ≤ 1220mm	+/- 1.52
65-7100	Shear Wire Mesh **ANY** Side > 1220mm	+/- 1.52

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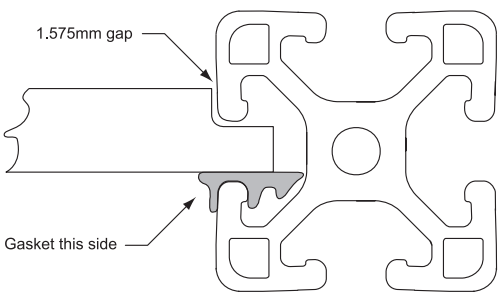
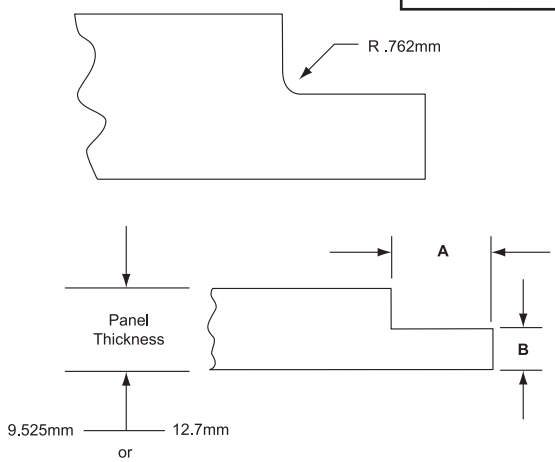
Thick Panel Routing Service

- **Mount thick plastic panels in the T-slot with rubber gasket**
- **The method used to calculate panel dimensions mounted in the T-slot of a frame does not change**
- **New cut-to-size services for panels thicker than 6mm are on catalog page 1051**
- **Other panel services can be used on these thicker panels, however longer mounting screws may be needed for certain panel and door components**
- **See page 904 for new 9.5mm (65-2644) and 12.7mm (65-2645) clear polycarbonate panels and page 910 for new 9.5mm (65-2456) aluminum plate**





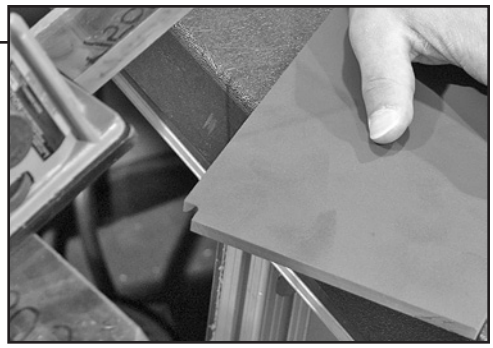
For Plastic Panels Thicker Than 6mm

Part No.	Profile Series	Service Type	A	B	Cut Tolerance
25-7530	25 Series	Routing Plastic Panels All Sides ≤ 1220mm	9.0mm	4.5mm	A +/- .381mm B +/- .254mm
25-7531		Routing Plastic Panels Any Side > 1220mm			
30-7532	30 Series	Routing Plastic Panels All Sides ≤ 1220mm	9.5mm	6.0mm	
30-7533		Routing Plastic Panels Any Side > 1220mm			
40-7532	40 Series	Routing Plastic Panels All Sides ≤ 1220mm	13.0mm	6.0mm	
40-7533		Routing Plastic Panels Any Side > 1220mm			
45-7534	45 Series	Routing Plastic Panels All Sides ≤ 1220mm	14.0mm	6.0mm	
45-7535		Routing Plastic Panels Any Side > 1220mm			

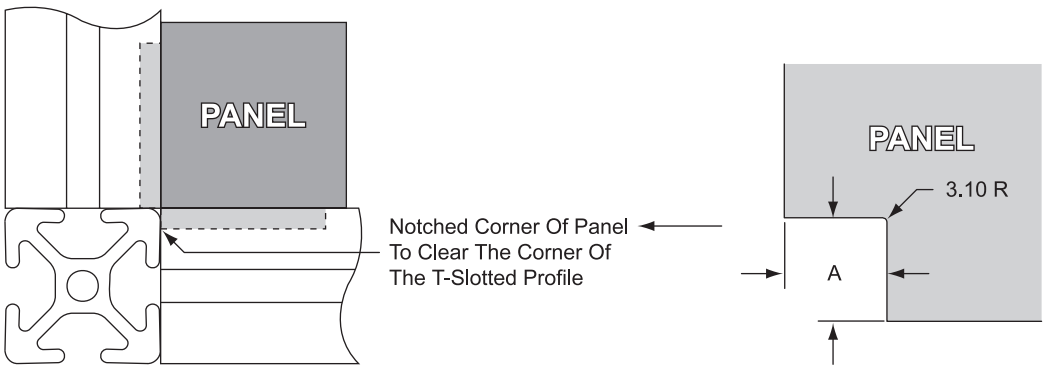
For Aluminum Plate Thicker Than 6mm

Part No.	Profile Series	Service Type	A	B	Cut Tolerance
25-7206	25 Series	Routing Aluminum Plate All Sides ≤ 1220mm	9.0mm	4.5mm	A +/- .381mm B +/- .254mm
25-7207		Routing Aluminum Plate Any Side > 1220mm			
30-7208	30 Series	Routing Aluminum Plate All Sides ≤ 1220mm	9.5mm	6.0mm	
30-7209		Routing Aluminum Plate Any Side > 1220mm			
40-7208	40 Series	Routing Aluminum Plate All Sides ≤ 1220mm	13.0mm	6.0mm	
40-7209		Routing Aluminum Plate Any Side > 1220mm			

Corner Notch/Profile Clearance



- **Provides clearance for perpendicularly mounted T-slotted profiles - required when panel will mount inside the profile T-slot**
- **Refer to Section 6 for our full offering of panels**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels, wire mesh and aluminum plate up to 6mm thick**



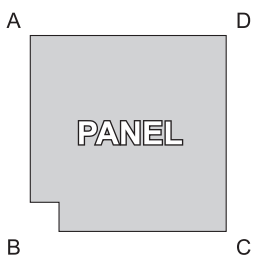
For Plastic Panels

Service Part No.	Series	Service Type	A	Cut Tolerance
20-7504 *	20	Corner Notch	6.00	+/- 1.52
25-7504	25	Corner Notch	7.90	+/- 1.52
30-7505	30	Corner Notch	9.00	+/- 1.52
40-7505	40	Corner Notch	11.20	+/- 1.52
45-7506	45	Corner Notch	14.00	+/- 1.52

For Aluminum Plate

Service Part No.	Series	Service Type	A	Cut Tolerance
20-7202 *	20	Corner Notch	6.00	+/- 1.52
25-7202	25	Corner Notch	7.90	+/- 1.52
30-7203	30	Corner Notch	9.00	+/- 1.52
40-7203	40	Corner Notch	11.20	+/- 1.52

Ordering Example:
65-2609 (1) @ (AD) 600.00mm x (AB) 600.00mm
w/ 40-7505 on Corner B



* For plastic panels and wire mesh up to 3.175mm

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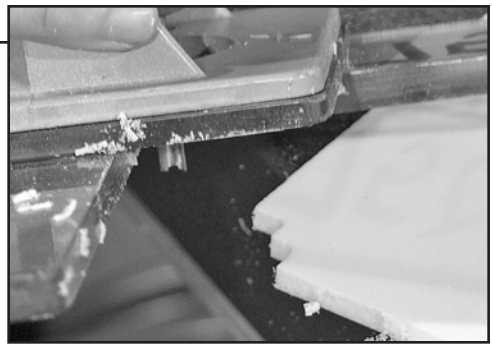
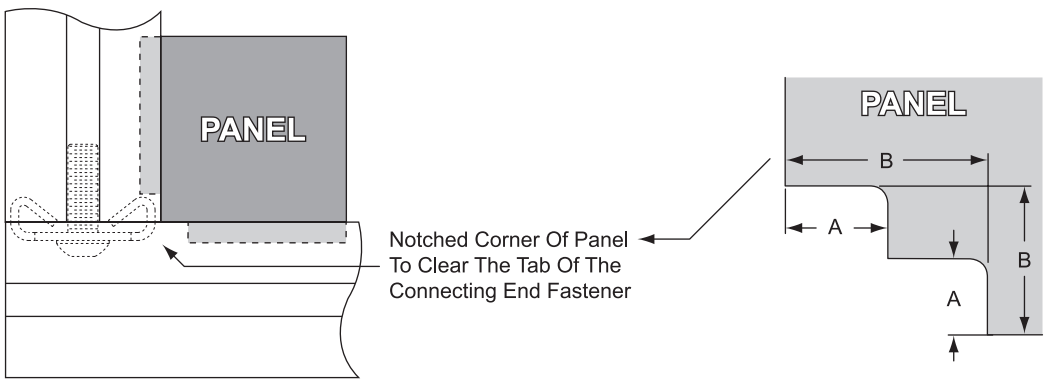
Corner Notch/End Fastener Clearance



- **Provides clearance for end fastener tabs — required when panel will mount inside profile T-slot**
- **Refer to pages 739-740 for our full offering of end fasteners**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels, wire mesh and aluminum plate up to 6mm thick**



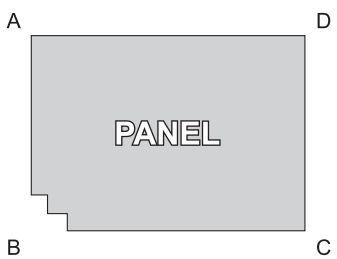
For Plastic Panels or Wire Mesh

Service Part No.	Series	Service Type	A	B	Cut Tolerance
20-7512 *	20	Corner Notch	5.10	13.50	+/- 1.52
25-7502	25	Corner Notch	6.40	16.50	+/- 1.52
40-7503	40	Corner Notch	8.60	16.50	+/- 1.52

For Aluminum Plate

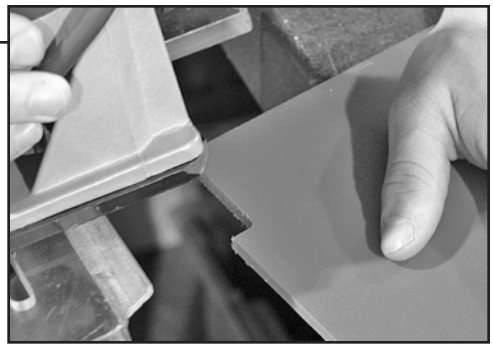
Service Part No.	Series	Service Type	A	B	Cut Tolerance
20-7211 *	20	Corner Notch	5.10	13.50	+/- 1.52
25-7211	25	Corner Notch	6.40	16.50	+/- 1.52
40-7214	40	Corner Notch	8.60	16.50	+/- 1.52

Ordering Example:
65-2609 (1) @ (AD) 720.00mm x (AB) 600.00mm
w/ 40-7503 on Corner B

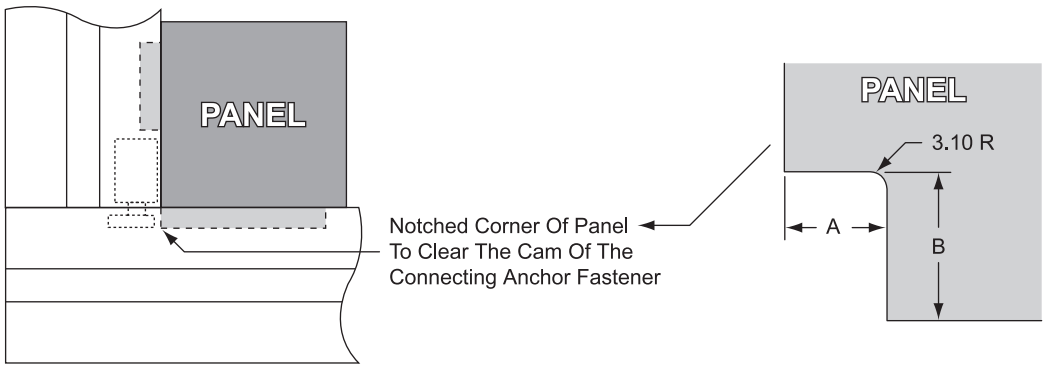


* For plastic panels and wire mesh up to 3.175mm

Corner Notch/Anchor Fastener Clearance



- **Provides clearance for anchor fasteners - required when panel will mount inside profile T-slot**
- **Refer to pages 737-738 for our full offering of anchor fasteners**
- **Be sure to design your frame so that you will be able to tighten all fasteners after panel is installed**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels, wire mesh and aluminum plate up to 6mm thick**



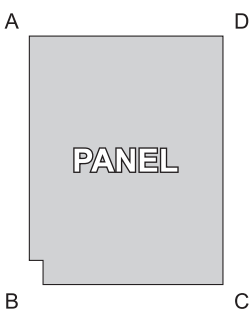
For Plastic Panels or Wire Mesh

Service Part No.	Series	Service Type	A	B	Cut Tolerance
20-7311 *	20	Corner Notch	8.00	24.00	+/- 1.52
25-7311	25	Corner Notch	9.50	27.00	+/- 1.52
30-7312	30	Corner Notch	11.00	34.00	+/- 1.52
40-7312	40	Corner Notch	12.70	44.50	+/- 1.52

For Aluminum Plate

Service Part No.	Series	Service Type	A	B	Cut Tolerance
20-7215 *	20	Corner Notch	8.00	24.00	+/- 1.52
25-7215	25	Corner Notch	9.50	27.00	+/- 1.52
30-7216	30	Corner Notch	11.00	34.00	+/- 1.52
40-7216	40	Corner Notch	12.70	44.50	+/- 1.52

Ordering Example:
65-2609 (1) @ (AD) 580.00mm x (AB) 720.00mm
w/ 40-7312 Horizontal on Corner B



* For plastic panels and wire mesh up to 3.175mm

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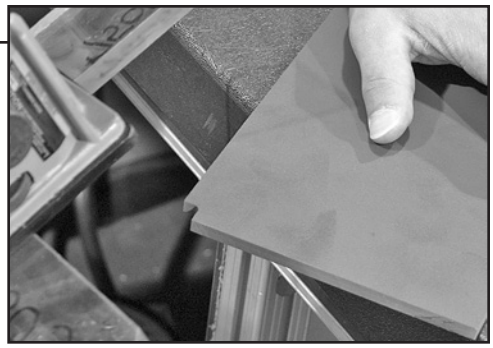
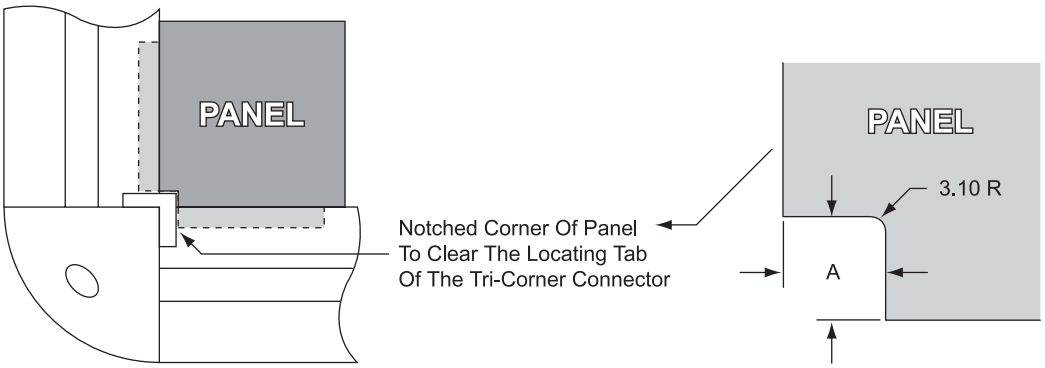
Corner Notch/Tri-Corner Clearance



- **Provides clearance for tri-corner connector tabs — required when panel will mount inside profile T-slot**
- **Refer to page 800 for our tri-corner connector offering**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels, wire mesh and aluminum plate up to 6mm thick**



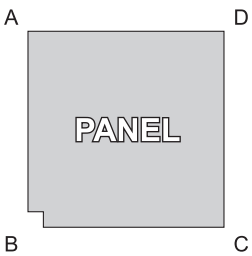
For Plastic Panels or Wire Mesh

Service Part No.	Series	Service Type	A	Cut Tolerance
25-7515	25	Corner Notch	8.81	+/- 1.52
40-7516	40	Corner Notch	12.70	+/- 1.52

For Aluminum Plate

Service Part No.	Series	Service Type	A	Cut Tolerance
25-7217	25	Corner Notch	8.81	+/- 1.52
40-7218	40	Corner Notch	12.70	+/- 1.52

Ordering Example:
65-2609 (1) @ (AD) 600.00mm x (AB) 600.00mm
w/ 25-7515 on Corner B



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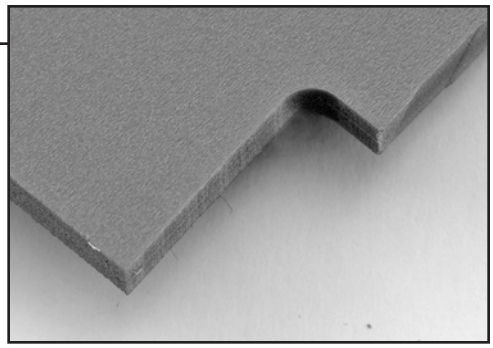
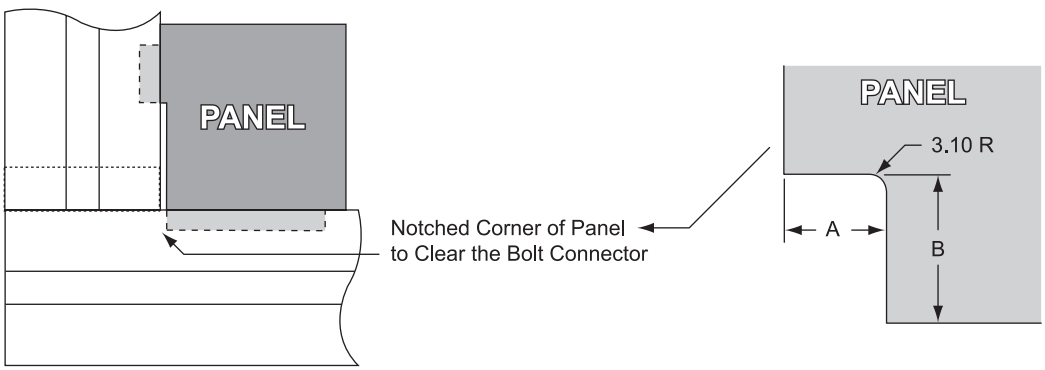
Corner Notch/Bolt Connector Clearance



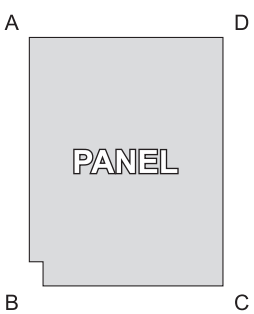
- **Provides clearance for bolt connectors - required when panel will mount inside profile T-slot**
- **Refer to page 736 for bolt connectors**
- **Be sure to design your frame so that you will be able to tighten all fasteners after panel is installed**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels and wire mesh up to 6mm thick**



For Plastic Panels or Wire Mesh

Service Part No.	Series	Service Type	A	B	Cut Tolerance
30-7314	30	Corner Notch	11.00	30.00	+/- 1.52
45-7317	45	Corner Notch	14.00	47.00	+/- 1.52

Ordering Example:
65-2609 (1) @ (AD) 580.00mm x (AB) 720.00mm
w/ 30-7314 Vertical on Corner B



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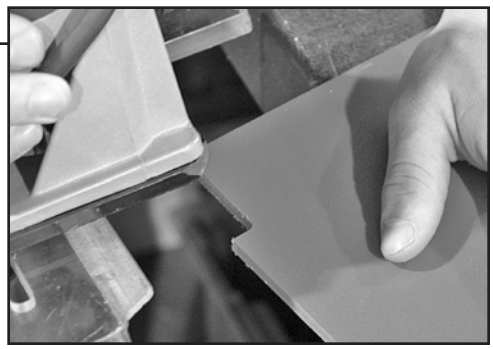
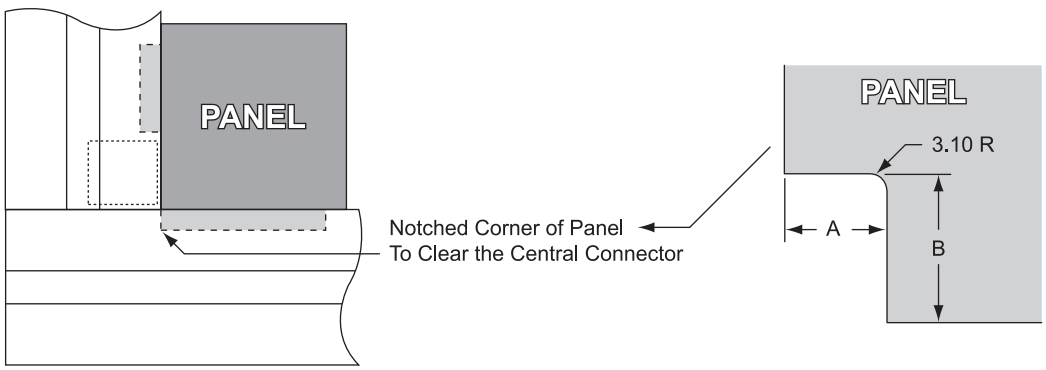
Corner Notch/Central Connector Clearance



- **Provides clearance for central connectors - required when panel will mount inside profile T-slot**
- **Refer to page 734 for central connectors**
- **Be sure to design your frame so that you will be able to tighten all fasteners after panel is installed**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels, wire mesh and aluminum plate up to 6mm thick**



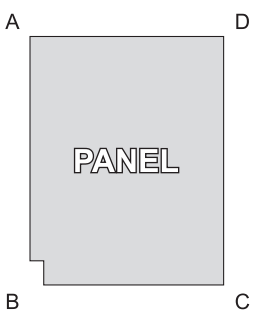
For Plastic Panels or Wire Mesh

Service Part No.	Series	Service Type	A	B	Cut Tolerance
40-7320	40	Corner Notch	12.70mm	50.80mm	+/- 1.52mm
45-7320	45		14.00mm	46.00mm	+/- 1.52mm

For Aluminum Plate

Service Part No.	Series	Service Type	A	B	Cut Tolerance
40-7204	40	Corner Notch	12.70mm	50.80mm	+/- 1.52mm
45-7204	45		14.00mm	46.00mm	+/- 1.52mm

Ordering Example:
65-2609 (1) @ (AD) 580.00mm x (AB) 720.00mm
w/ 45-7320 Vertical on Corner B



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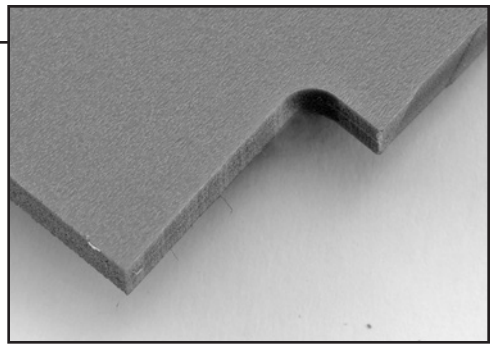
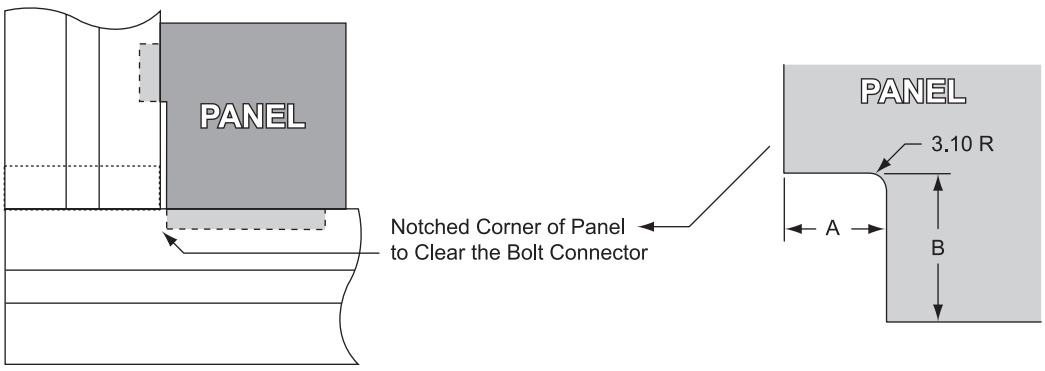
Corner Notch/Plate Connector Clearance



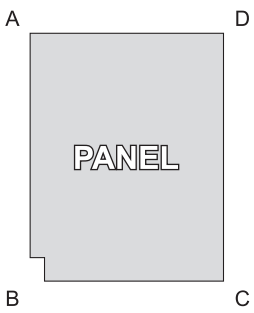
- **Provides clearance for plate connectors - required when panel will mount inside profile T-slot**
- **Refer to page 742 for plate connectors**
- **Be sure to design your frame so that you will be able to tighten all fasteners after panel is installed**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **For plastic panels and wire mesh up to 6mm thick**



For Plastic Panels or Wire Mesh

Service Part No.	Series	Service Type	A	B	Cut Tolerance
45-7323	45	Corner Notch	14.00	27.00	+/- 1.52

Ordering Example:
65-2609 (1) @ (AD) 580.00mm x (AB) 720.00mm
w/ 45-7323 Horizontal on Corner B



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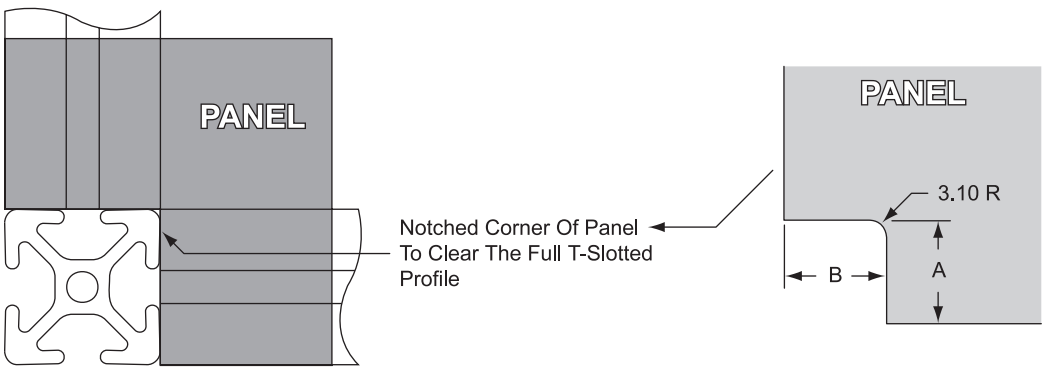
Extended Panel Notch Service - Plastic and Wire Mesh Panels

- **Provides clearance for perpendicularly mounted T-slotted profiles**
- **Refer to Section 6 for our full offering of panels**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**

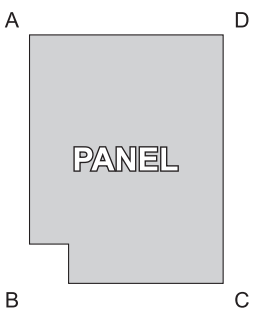


For Plastic Panels and Wire Mesh

Service Part No.	Applicable Profiles	Service Type	A	B	Cut Tolerance
20-7597	20-2020	Corner Notch	21.50	21.50	+/- 1.52
25-7597	25-2525, 25-2501, 25-2502, 25-2503, 25-2504 & 25-2527	Corner Notch	26.50	26.50	+/- 1.52
25-7598	25-2550	Corner Notch	26.50	51.50	+/- 1.52
25-7599	25-5050	Corner Notch	51.50	51.50	+/- 1.52
30-7600	30-3030	Corner Notch	32.00	32.00	+/- 1.52
40-7600	40-4001, 40-4002, 40-4003, 40-4004, 40-4040, 40-4040-Lt, 40-4030-Lt & 40-4045-Lt	Corner Notch	41.50	41.50	+/- 1.52
40-7601	40-4080, 40-4080-Lt	Corner Notch	41.50	81.50	+/- 1.52
40-7602	40-8080	Corner Notch	81.50	81.50	+/- 1.52
45-7603	45-4545, 45-4545-Lt	Corner Notch	47.00	47.00	+/- 1.52
45-7604	45-4590	Corner Notch	46.50	91.50	+/- 1.52
45-7605	45-9090	Corner Notch	91.50	91.50	+/- 1.52

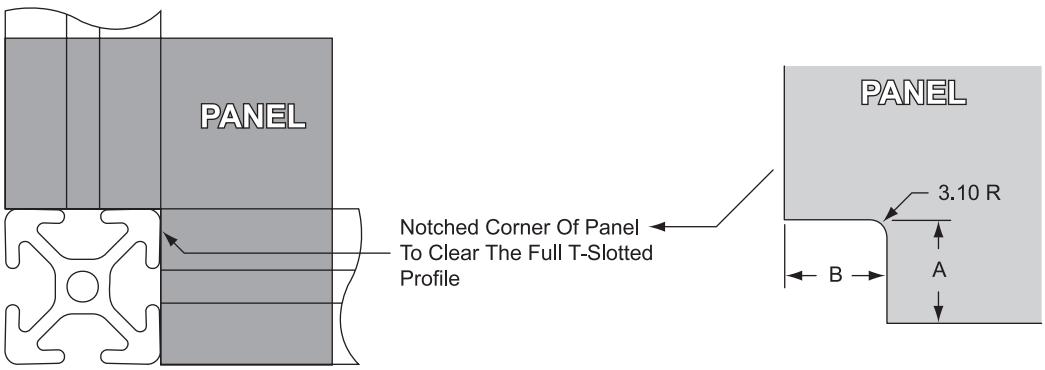
NEW!

Ordering Example:
65-2609 (1) @ (AD) 500.00mm x (AB) 700.00mm
w/ 40-7600 on Corner B



Extended Panel Notch Service

- **Provides clearance for perpendicularly mounted T-slotted profiles**
- **Refer to Section 6 for our full offering of panels**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **Available for aluminum plate**

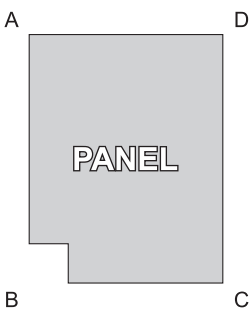


For Aluminum Plate

Service Part No.	Applicable Profiles	Service Type	A	B	Cut Tolerance
20-7231	20-2020	Corner Notch	21.50	21.50	+/- 1.52
25-7231	25-2525, 25-2501, 25-2502, 25-2503, 25-2504 & 25-2527	Corner Notch	26.50	26.50	+/- 1.52
25-7232	25-2550	Corner Notch	26.50	51.50	+/- 1.52
25-7233	25-5050	Corner Notch	51.50	51.50	+/- 1.52
30-7234	30-3030	Corner Notch	32.00	32.00	+/- 1.52
40-7234	40-4001, 40-4002, 40-4003, 40-4004, 40-4040, 40-4040-Lt, 40-4030-Lt & 40-4045-Lt	Corner Notch	41.50	41.50	+/- 1.52
40-7235	40-4080 / 40-4080-Lt	Corner Notch	41.50	81.50	+/- 1.52
40-7236	40-8080	Corner Notch	81.50	81.50	+/- 1.52
45-7237	45-4545, 45-4545-Lt	Corner Notch	46.50	46.50	+/- 1.52
45-7233	45-4590	Corner Notch	46.50	91.50	+/- 1.52
45-7239	45-9090	Corner Notch	91.50	91.50	+/- 1.52

Ordering Example:

65-2609 (1) @ (AD) 500.00mm x (AB) 700.00mm
w/ 40-7600 on Corner B



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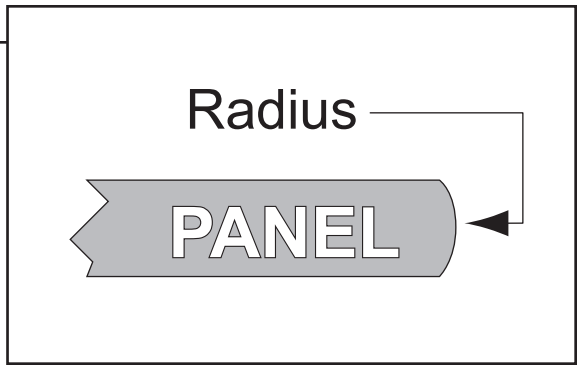
Edge Radius

- **Round off both sharp edges of highly visible panels**
- **Refer to Section 6 for our full offering of panels**
- **Radius is equivalent to panel thickness**
- **Allows for easier insertion of panels into panel gasket, part number 40-2120 (page 886)**



For Plastic Panels

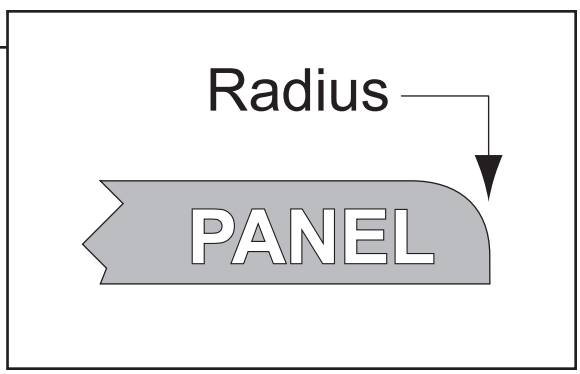
Service Part No.	Description	Radius Tolerance
65-7500	Edge Radius Plastic Panels All Sides ≤ 1220mm	+/- 1.02
65-7501	Edge Radius Plastic Panels Any Side > 1220mm	+/- 1.02

For Aluminum Plate

Service Part No.	Description	Radius Tolerance
65-7221	Edge Radius Aluminum Plate All Sides ≤ 1220mm	+/- 1.02
65-7222	Edge Radius Aluminum Plate Any Side > 1220mm	+/- 1.02

Top Edge Radius

- **Round off one sharp edge of highly visible panels**
- **Refer to Section 6 for our full offering of plastic panels**
- **Radius is 6.35mm**
- **Allows for easier insertion of panels into panel gasket, part number 40-2120 (page 886)**



For Plastic Panels 6.35mm and Thicker

Part No.	Description	Radius Tolerance
65-7540	Top Edge Radius Plastic Panels All Sides ≤ 1220mm	+/- 1.02
65-7541	Top Edge Radius Plastic Panels Any Side > 1220mm	+/- 1.02

For Aluminum Plate 6.35mm and Thicker

Service Part No.	Description	Radius Tolerance
65-7542	Top Edge Radius Aluminum Plate All Sides ≤ 1220mm	+/- 1.02
65-7543	Top Edge Radius Aluminum Plate Any Side > 1220mm	+/- 1.02

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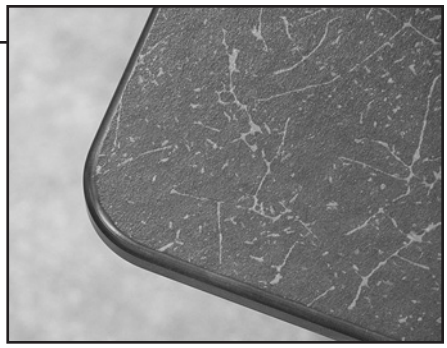
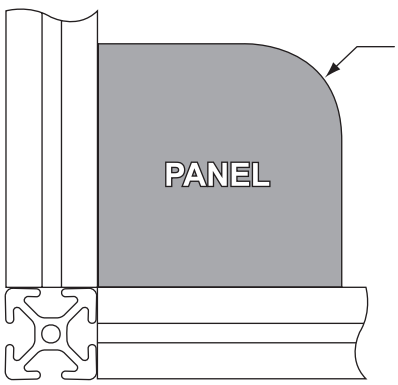
Corner Radius for Panels

- **Round off any corner of plastic panels or aluminum plate**
- **Refer to Section 6 for our full offering of plastic panels and aluminum plate**
- **Specify any corner radius up to 80mm**





For Plastic Panels Up to 6mm Thick

Service Part No.	Description	Radius Tolerance
65-7179	Corner Radius All Sides ≤ 80mm	+/- 1.52

For Aluminum Plate Up to 6mm Thick

Service Part No.	Description	Cut Tolerance
65-7176	Corner Radius ALL Sides ≤ 76.2mm	+/- .38mm

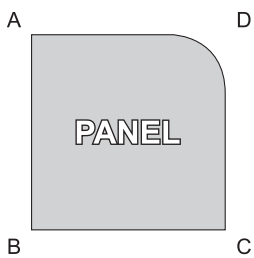
For Plastic Panels Thicker Than 6mm

Service Part No.	Description	Radius Tolerance
65-7187	Corner Radius All Sides ≤ 80mm	+/- 1.52

For Aluminum Plate Thicker Than 6mm

Service Part No.	Description	Cut Tolerance
65-7195	Corner Radius ALL Sides ≤ 76.2mm	+/- .38mm

Ordering Example:
65-2609 (1) @ (AD) 600.00mm x (AB) 600.00mm
w/ 65-7179 on Corner D, R 60.00mm



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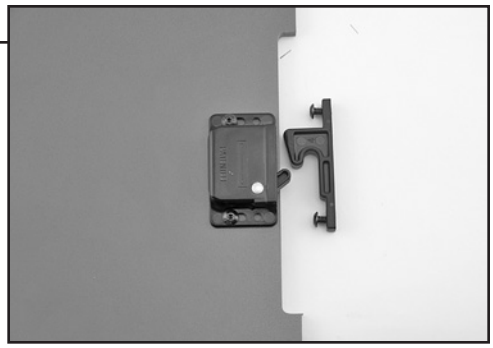
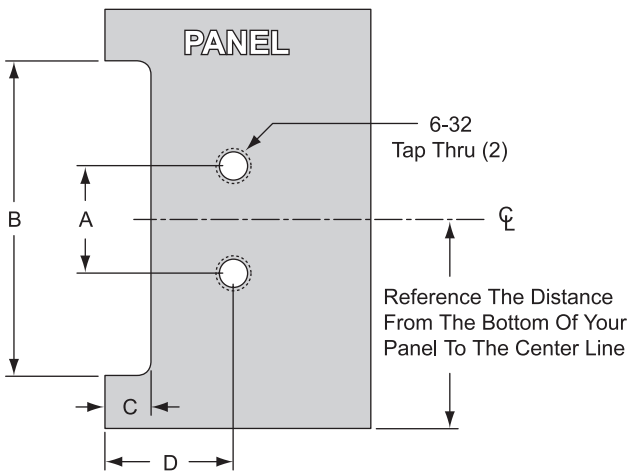
Notch/Grabber™ Door Catch Clearance

- **Provides clearance for the Grabber™ door catch**
- **Refer to pages 873-874 to see Grabber™ door catches and accessories**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**

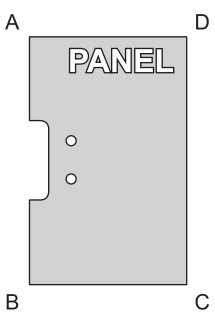




Service Part No.	A	B	C	D	Cut Tolerance
65-7313	40.60	120.70	8.00	28.60	+/- .50

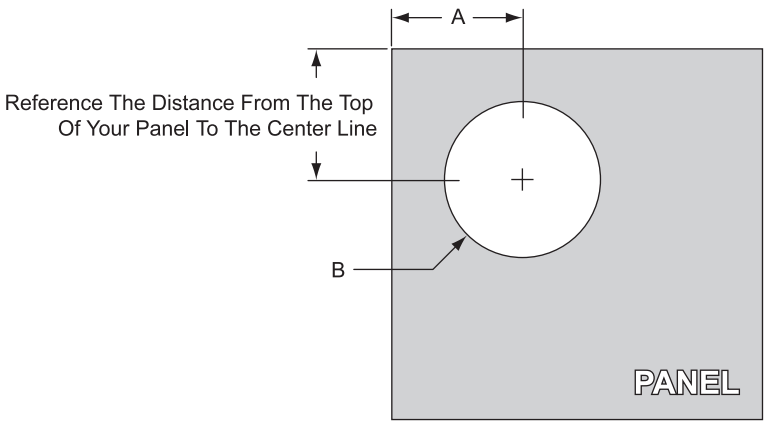
Ordering Example:
65-2609 (1) @ (AD) 400.00mm x (AB) 600.00mm
w/ 65-7313 on Side AB @ 300.00mm

(All machining center lines will be called out
from point "A" on the panel)



Grabber™ Handle Drill Thru Service

- **Machines a ø50.80mm hole, allowing quick installation of the grabber handle into a plastic panel**
- **Refer to page 865 for Grabber™ door handle**
- **Please submit a drawing with your machining specifications to 80/20® or your local distributor**

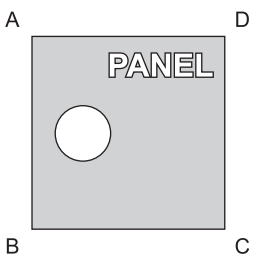


Service Part No.	A	B	Hole Tolerance
65-7510	50.80	50.80	+/- .25

Ordering Example:

65-2609 (1) @ (AD) 400.00mm x (AB) 400.00mm
w/ 65-7510 on Side AB @ 200.00mm

(All machining center lines will be called out from point "A" on the panel)



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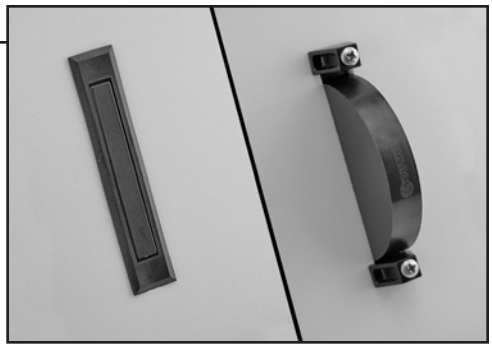
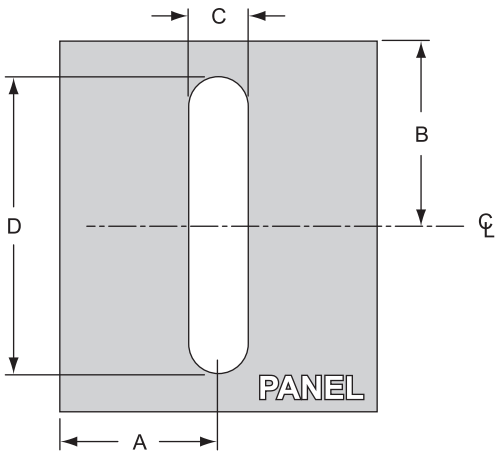
Flush Handle Drill Thru Service

- **Machines a slot thru – allowing for quick installation of the flush handle into a plastic panel**
- **Refer to page 861 for flush handles**
- **Please submit a drawing with your machining specifications to 80/20® or your local distributor**

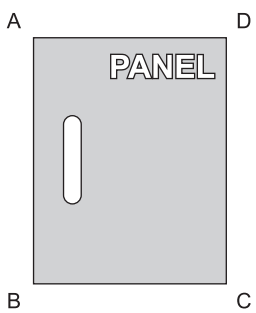




Service Part No.	Handle Part No.	A	B	C	D	Hole Tolerance
65-7520	65-2056	50.80	Open	15.90	76.20	+/- .25
65-7521	65-2058	50.80	Open	15.90	104.78	+/- .25

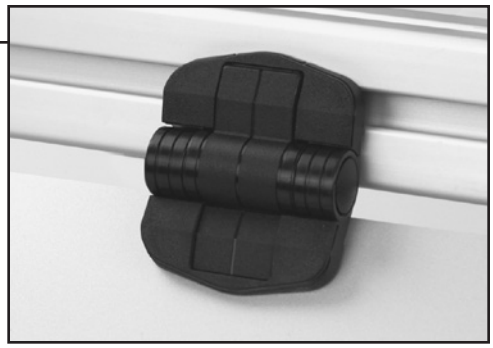
Ordering Example:
65-2609 (1) @ (AD) 200.00 x (AB) 400.00mm
w/ 65-7520 on Side AB @ 200.00mm

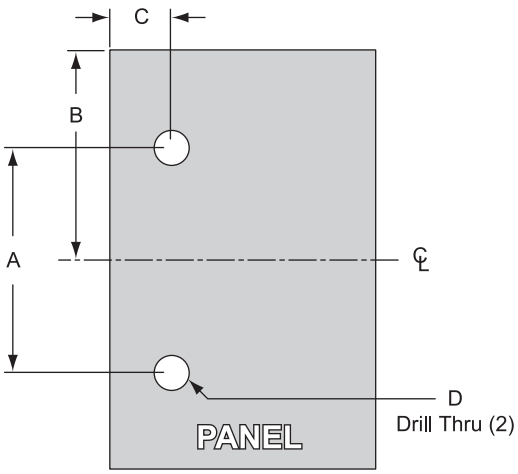
(All machining center lines will be called out from point "A" on the panel)



Adjustable/Detent Hinge Drill Thru Service

- **Provides thru holes for mounting adjustable and detent hinges**
- **Refer to 843-844 for adjustable/detent hinges**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**



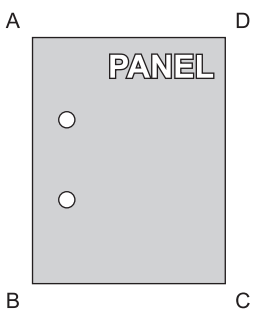


Service Part No.	Hinge Part No.	Series	Hinge Type	A	B	C	D	Hole Tolerance
25-7581	25-2081	25	Adjustable	31.75	Open > 76.20	11.12	5.10	+/- .25
25-7582	25-2071	25	Detent	31.75	Open > 76.20	11.17	4.77	+/- .25
40-7580	40-2080	40	Adjustable	47.75	Open > 76.20	17.47	9.52	+/- .25
40-7583	40-2091	40	Detent	34.03	Open > 76.20	13.46	6.35	+/- .25

Ordering Example:

65-2609 (1) @ (AD) 200.00mm x (AB) 350.00mm
w/ 25-7581 on Side AB @ 100.00mm

(All machining center lines will be called out from point "A" on the panel)



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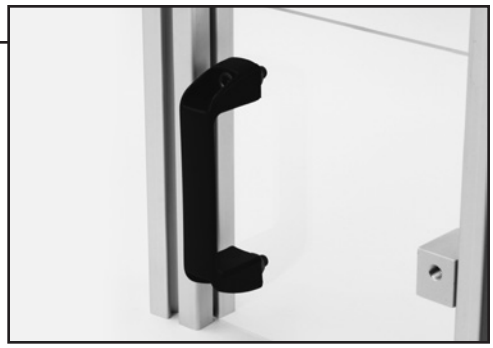
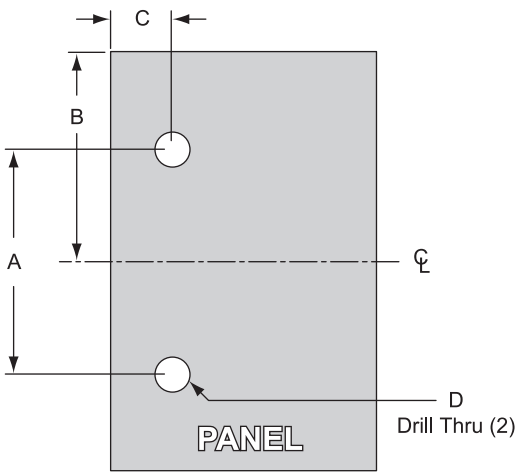
Plastic Handle Drill Thru Service

- **Provides thru holes for mounting plastic door handles**
- **Refer to page 858 for plastic handles**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**

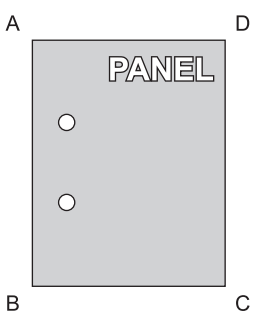




Service Part No.	Handle Part No.	A	B	C	D	Hole Tolerance
40-7584	40-2880 / 40-2060	179.07	Open	31.75	9.52	+/- .25
40-7585	40-2881 / 40-2061	116.84	Open	31.75	9.52	+/- .25
25-7586	25-2882 / 25-2062	93.42	Open	31.75	7.95	+/- .25

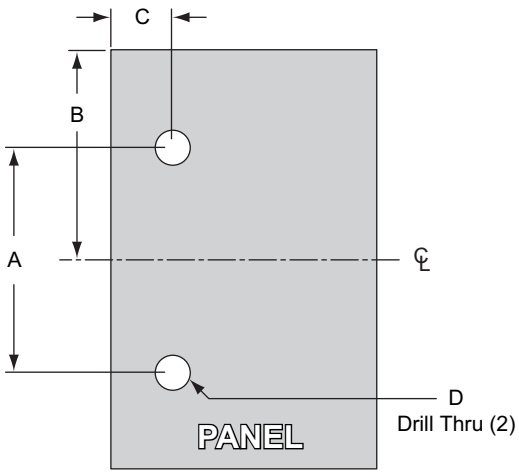
Ordering Example:
65-2609 (1) @ (AD) 200.00mm x (AB) 400.00mm
w/ 40-7584 on Side AB @ 200.00mm

(All machining center lines will be called out from point "A" on the panel)



Steel Door Handle Drill Thru Service

- **Provides thru holes for mounting a steel door handles**
- **Refer to page 862 for steel door handles**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**

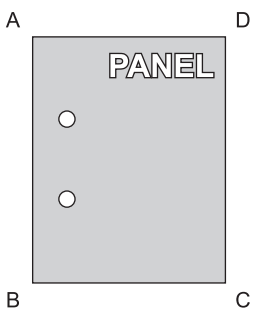


Service Part No.	Handle Part No.	A	B	C	D	Hole Tolerance
65-7587	65-2070	76.20	Open	25.40	4.77	+/- .25

Ordering Example:

65-2609 (1) @ (AD) 200.00mm x (AB) 350.00mm
w/ 65-7587 on Side AB @ 150.00mm

(All machining center lines will be called out from point "A" on the panel)



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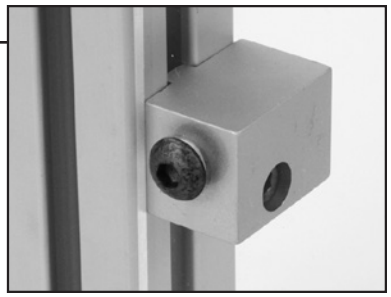
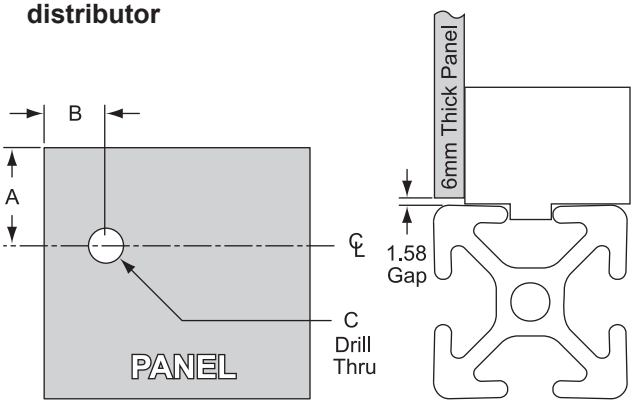
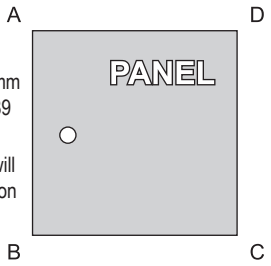
Panel Mount Block Drill Thru Service



- **Provides thru holes for mounting to a panel mount block**
- **Refer to page 889 for panel mount blocks**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**

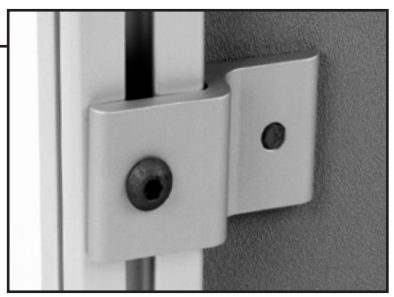


Ordering Example:
65-2609 (1) @ (AD) 300.00mm x (AB) 300.00mm w/25-7589 on Side AB @ 150.00mm
(all machining center lines will be called out from point "A" on the panel)

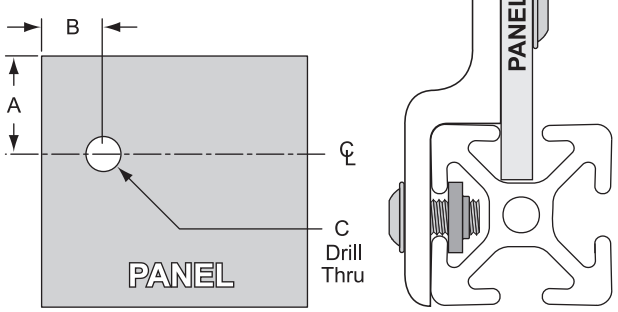


Service Part No.	Mount Block Part No.	A	B	C	Hole Location Tolerance
25-7589	25-2427	Open	8.48	8.00	+/- .25
40-7588	40-2425	Open	10.08	10.00	+/- .25

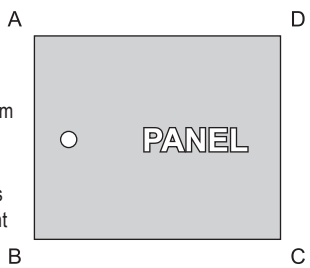
Single Panel Retainer Drill Thru Service



- **Provides thru holes for mounting a single panel retainer**
- **Refer to page 896 for panel retainers**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**



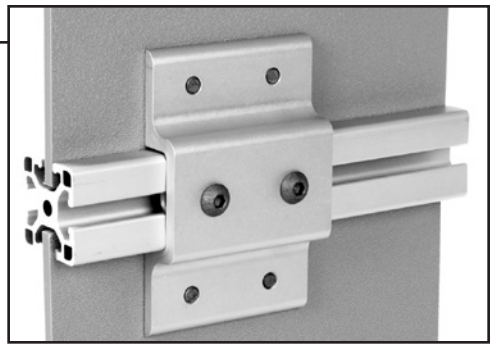
Ordering Example:
65-2609 (1) @ (AD) 300.00mm x (AB) 300.00mm w/25-7593 on Side AB @ 75.00mm
(all machining center lines will be called out from point "A" on the panel)

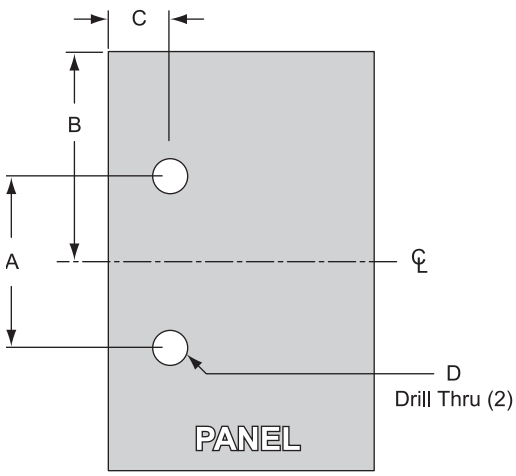


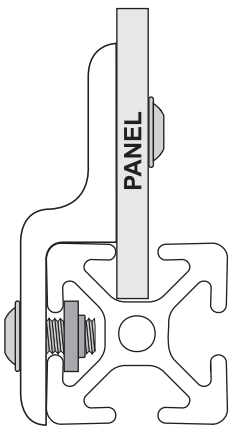
Service Part No.	Retainer Part No.	A	B	C	Hole Tolerance
25-7593	25-2496 / 25-2512	Open	22.50	7.92	+/- .25
40-7595	40-2434 / 40-2515	Open	35.50	9.52	+/- .25

Double Panel Retainer Drill Thru Service

- **Provides thru holes for mounting a double panel retainer**
- **Refer to page 897 for panel retainers**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**





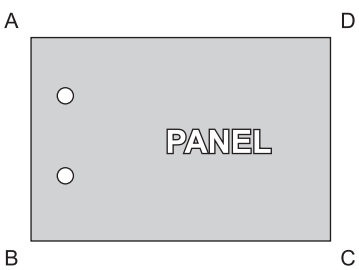


Service Part No.	Retainer Part No.	A	B	C	D	Hole Tolerance
25-7594	25-2497 / 25-2513	25.40	Open	22.50	7.92	+/- .25
40-7596	40-2433 / 40-2516	38.10	Open	35.00	9.52	+/- .25

Ordering Example:

65-2609 (1) @ (AD) 400.00mm x (AB) 250.00mm
w/ 25-7594 on Side AB @ 50.00mm

(All machining center lines will be called out from point "A" on the panel)



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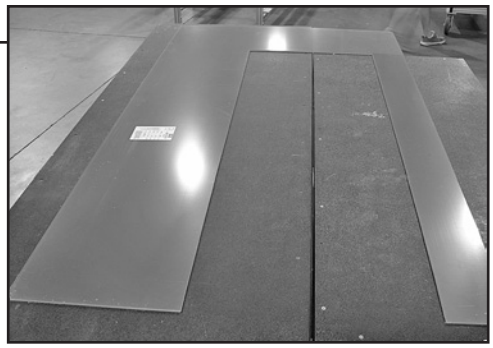
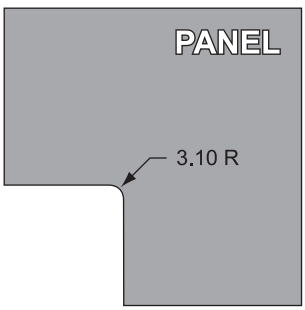
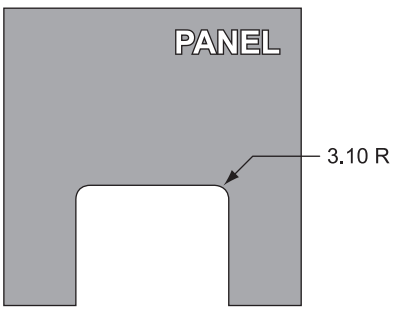
2, 3, & 4 Side Panel Cut-Outs

- **Provides an opening in any plastic panel or wire mesh**
- **Perfect for adding a panel door within a panel, also allows easy access into a guard or enclosure**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**

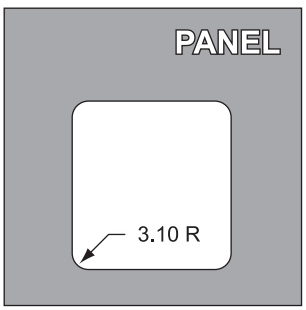




2 Sided Cut Out



3 Sided Cut Out



4 Sided Cut Out

For Plastic Panels Up to 6mm Thick

Service Part No.	Description	Cut Tolerance
65-7162	2 Sided Cut-Out Standard Plastic Panel All Dimensions > 80mm	+/- 1.01
65-7163	3 Sided Cut-Out Standard Plastic Panel All Dimensions > 80mm	+/- 1.01
65-7164	4 Sided Cut-Out Standard Plastic Panel All Dimensions > 80mm	+/- 1.01

For Aluminum Plate Up to 6mm Thick

Service Part No.	Description	Cut Tolerance
65-7171	2 Sided Cut-Out Standard Aluminum Panel All Dimensions > 80mm	+/- 1.01
65-7172	3 Sided Cut-Out Standard Aluminum Panel All Dimensions > 80mm	+/- 1.01
65-7173	4 Sided Cut-Out Standard Aluminum Panel All Dimensions > 80mm	+/- 1.01

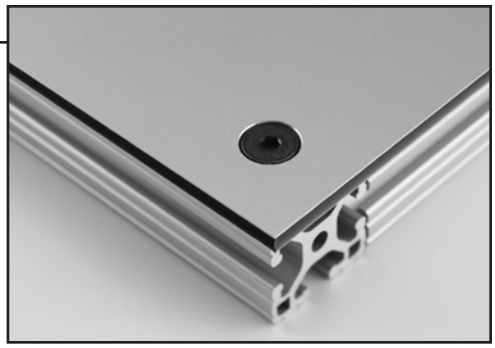
For Plastic Panels Thicker Than 6mm

Service Part No.	Description	Cut Tolerance
65-7182	2 Sided Cut-Out Thick Plastic Panel All Dimensions > 80mm	+/- 1.01
65-7183	3 Sided Cut-Out Thick Plastic Panel All Dimensions > 80mm	+/- 1.01
65-7184	4 Sided Cut-Out Thick Plastic Panel All Dimensions > 80mm	+/- 1.01

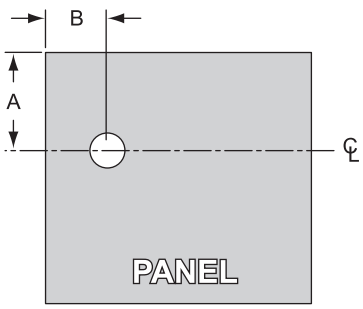
For Aluminum Plate Thicker Than 6mm

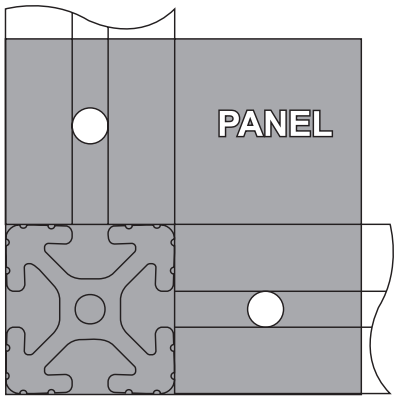
Service Part No.	Description	Cut Tolerance
65-7190	2 Sided Cut-Out ThickAluminum Panel All Dimensions > 80mm	+/- 1.01
65-7191	3 Sided Cut-Out Thick Aluminum Panel All Dimensions > 80mm	+/- 1.01
65-7192	4 Sided Cut-Out Thick Aluminum Panel All Dimensions > 80mm	+/- 1.01

Flush Mount Panel Service



- **Standard machining service provides clearance to mount plastic panels to the face of the profile**
- **Ideal for shelves, table tops, and material handling carts**
- **Design with these panel machining services with AuotQuoterX™ available at www.8020.net**



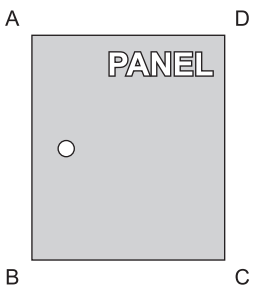


Part Number	Description	A	B	Hole Tolerance
25-7507	Drill thru 7.14mm panel 12.5mm from edge	Open	12.7mm	+/- .25
25-7509	Drill thru & countersink for M6 FHSCS - 12.5mm from edge	Open	19.0mm	+/- .25
40-7508	Drill thru 8.33mm panel 20mm from edge	Open	12.7mm	+/- .25
40-7511	Drill thru & countersink for M8 FHSCS - 20mm from edge	Open	19.0mm	+/- .25
40-7512	Drill thru & countersink for M6 FHSCS - 20mm from edge	Open	19.0mm	+/- .25

Ordering Example:

65-2609 (1) @ (AD) 300.00mm
x (AB) 300.00mm w/25-7507
on Side AB @ 150.00mm

(all machining center lines will be called out from point "A" on the panel)



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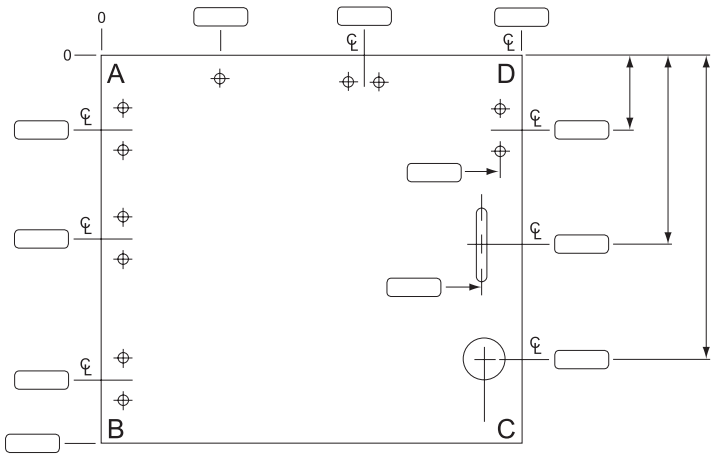
Miscellaneous Panel Machining Services



- **Available for customizing panels applications**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**

For Plastic Panels Up to 6mm Thick

Part No.	Description	Tolerance
65-7152	Circular Cutout Standard Plastic Panel >25mm, <+250mm	+/- .25
65-7156	Drill Thru & Countersink Standard Plastic Panel	+/- .25
65-7157	Miter Cut on Standard Plastic Panel	+/- .25
65-7158	Drill Thru & Tap Standard Plastic Panel	+/- .25
65-7159	Drill Thru Standard Plastic Panel	+/- .25
65-7166	Misc. Standard Plastic Panel Notch All Dimensions ≤ 75mm	+/- .25

For Plastic Panels Thicker Than 6mm

Part No.	Description	Tolerance
65-7185	Misc. Thick Plastic Panel Notch All Dimensions ≤ 75mm	+/- .25
65-7186	Circular Cutout Thick Plastic Panel >25mm, <+250mm	+/- .25
65-7188	Drill Thru & Countersink Thick Plastic Panel	+/- .25
65-7189	Drill Thru & Tap Thick Plastic Panel	+/- .25
65-7200	Drill Thru Thick Plastic Panel	+/- .25
65-7201	Miter Cut on Thick Plastic Panel	+/- .25

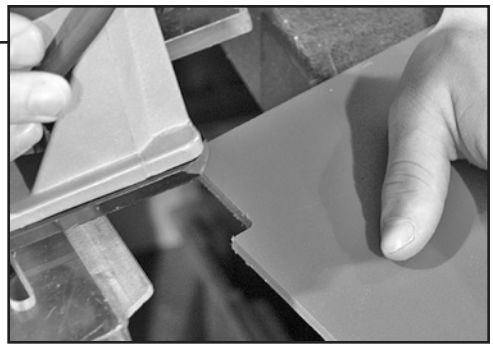
For Aluminum Plate Up to 6mm Thick

Part No.	Description	Tolerance
65-7174	Misc. Standard Aluminum Panel Notch All Dimensions ≤ 75mm	+/- .25
65-7175	Circular Cutout Standard Aluminum Panel >25mm, <+250mm	+/- .25
65-7177	Drill Thru & Countersink Standard Aluminum Panel	+/- .25
65-7178	Drill Thru & Tap Standard Aluminum Panel	+/- .25
65-7180	Drill Thru Standard Aluminum Panel	+/- .25
65-7181	Miter Cut Standard Aluminum Panel	+/- .25

For Aluminum Plate Thicker Than 6mm

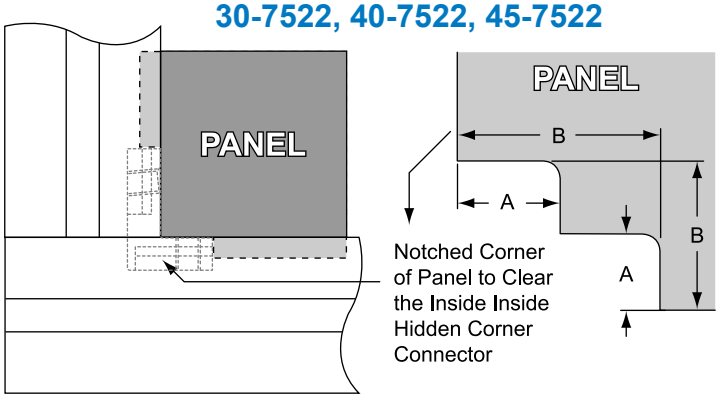
Part No.	Description	Tolerance
65-7193	Misc. Thick Aluminum Panel Notch All Dimensions ≤ 75mm	+/- .25
65-7194	Circular Cutout Thick Aluminum Panel >25mm, <+250mm	+/- .25
65-7196	Drill Thru & Countersink Thick Aluminum Panel	+/- .25
65-7197	Drill Thru & Tap Thick Aluminum Panel	+/- .25
65-7198	Drill Thru Thick Aluminum Panel	+/- .25
65-7199	Miter Cut Thick Aluminum Panel	+/- .25

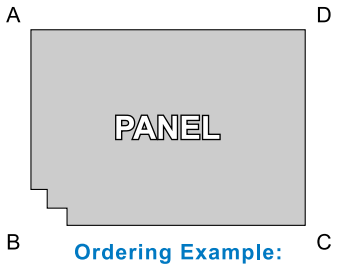
Corner Notch/Hidden Corner Connectors



- **Provides clearance for hidden corner connectors - required when panel will mount inside profile T-slot**
- **Refer to page 735 for hidden corner connectors**
- **Be sure to design your frame so that you will be able to tighten all fasteners after panel is installed**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**

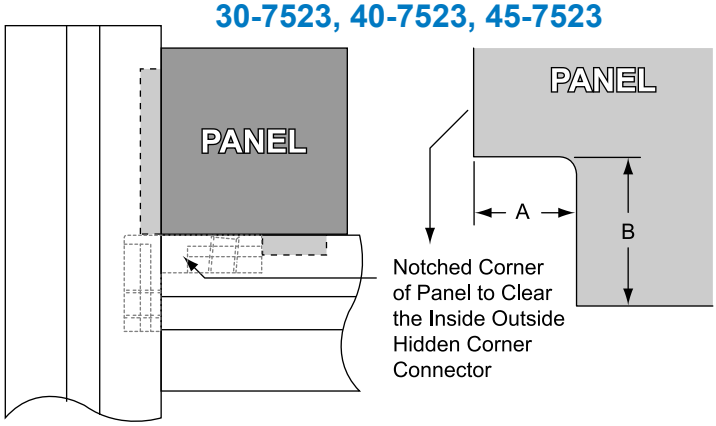
30-7522, 40-7522, 45-7522

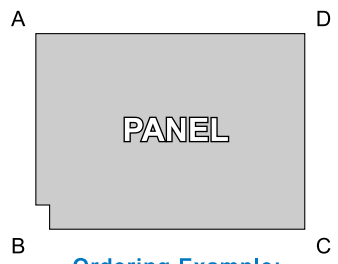




Ordering Example:
65-2609 (1) @ (AD) 580mm x (AB) 720mm
w/40-7522 on Corner B

30-7523, 40-7523, 45-7523





Ordering Example:
65-2609 (1) @ (AD) 580mm x (AB) 720mm
w/40-7523 Vertical on Corner B

For Plastic Panels

Part No.	Service Type	A	B	Cut Tolerance
30-7522	Corner Notch for Inside to Inside Hidden Connector Part No. 33450	8.25	30.04	+/- 1.52
30-7523	Corner Notch for Inside to Outside Hidden Corner Connector Part No. 33470	8.25	30.04	+/- 1.52
40-7522	Corner Notch for Inside to Inside Hidden Connector Part No. 33450	11.76	33.55	+/- 1.52
40-7523	Corner Notch for Inside to Outside Hidden Corner Connector Part No. 33470	11.76	33.55	+/- 1.52
45-7522	Corner Notch for Inside to Inside Hidden Connector Part No. 33490	12.75	41.76	+/- 1.52
45-7523	Corner Notch for Inside to Outside Hidden Corner Connector Part No. 33530	12.75	41.76	+/- 1.52

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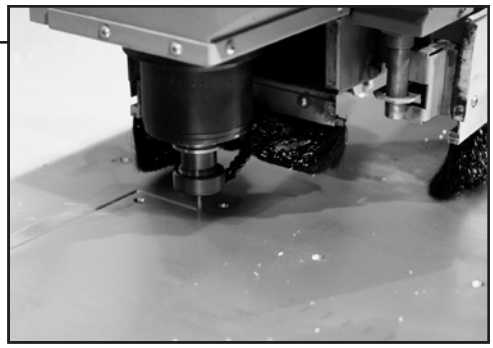
Aluminum Plate Machining Services



- **Available for customizing aluminum plate applications**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **See page 910 for solid aluminum plate in five thicknesses**

For Aluminum Plate Up to 3.175mm Thick

Service Part No.	Description	Cut Tolerance
20-7202	Corner Notch/Profile Clearance	+/- 1.52
20-7211	Corner Notch/End Fastener Clearance	+/- 1.52
20-7215	Corner Notch/Anchor Fastener Clearance	+/- 1.52
20-7231	Corner Notch 2020	+/- 1.52

For Aluminum Plate Up to 6mm Thick

Service Part No.	Description	Cut Tolerance
65-7167	Cut Panel ALL Sides ≤ 1220mm	+/- .38
65-7168	Cut Panel ANY Side > 1220mm	+/- .38
65-7171	2 Sided Cutout Any > 76.20mm	+/- .38
65-7172	3 Sided Cutout Any > 76.20mm	+/- .38
65-7173	4 Sided Cutout Any > 76.20mm	+/- .38
65-7174	Misc Panel Notch ALL Sides ≤ 76.2mm	+/- .38
65-7175	Circular Cutout >25.4mm, <+254mm	+/- .38
65-7176	Corner Radius ALL Sides ≤ 76.2mm	+/- .38
65-7177	Drill Thru & Countersink	+/- .38
65-7178	Drill Thru & Tap	+/- .38
65-7180	Drill Thru	+/- .38
65-7181	Angle Cut	+/- .38
25-7202	Corner Notch/Profile Clearance	+/- 1.52
30-7203	Corner Notch/Profile Clearance	+/- 1.52
40-7203	Corner Notch/Profile Clearance	+/- 1.52
40-7204	Corner Notch/Central Connector	+/- 1.52
45-7204	Corner Notch/Central Connector	+/- 1.52
25-7211	Corner Notch/End Fastener Clearance	+/- 1.52

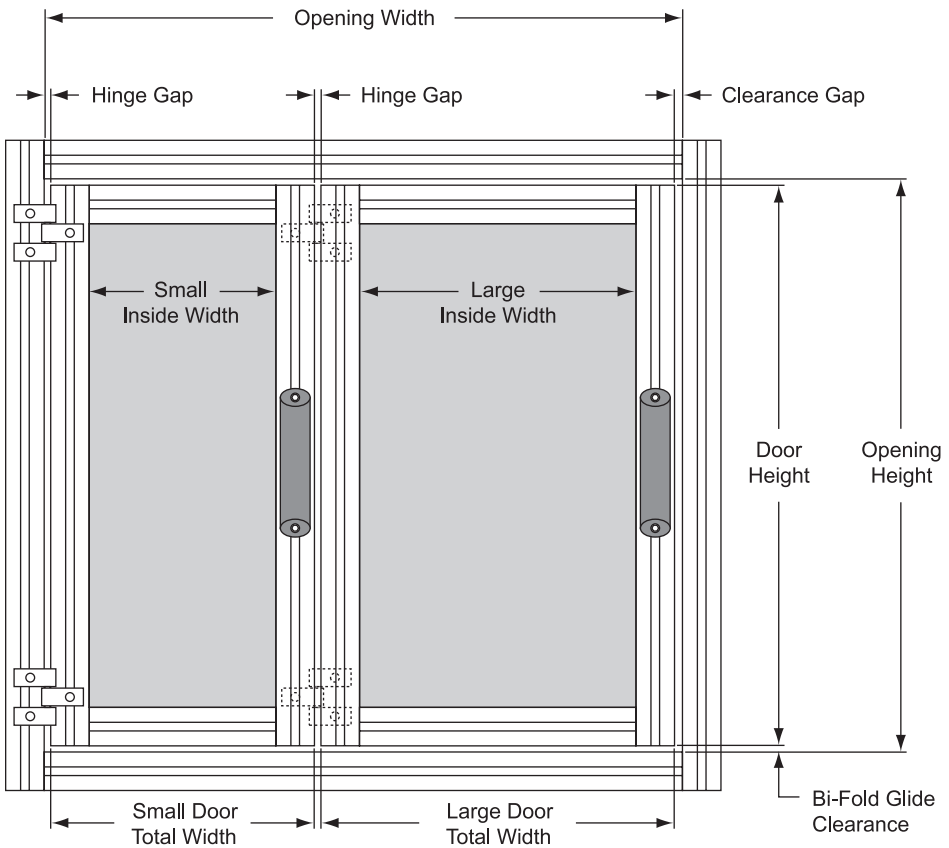
Service Part No.	Description	Cut Tolerance
40-7214	Corner Notch/End Fastener Clearance	+/- 1.52
25-7215	Corner Notch/Anchor Fastener Clearance	+/- 1.52
30-7216	Corner Notch/Anchor Fastener Clearance	+/- 1.52
40-7216	Corner Notch/Anchor Fastener Clearance	+/- 1.52
25-7217	Corner Notch/Tri-Corner Clearance	+/- 1.52
40-7218	Corner Notch/Tri-Corner Clearance	+/- 1.52
25-7231	Corner Notch 25-2525, 25-2501, 25-2502, 25-2503, 25-2504 & 25-2527	+/- 1.52
25-7232	Corner Notch 25-2550	+/- 1.52
25-7233	Corner Notch 25-5050	+/- 1.52
30-7234	Corner Notch 30-3030	+/- 1.52
40-7234	Corner Notch 40-4001, 40-4002, 40-4003, 40-4004, 40-4040 40-4040-Lt, 40-4030-Lt & 40-4045-Lt	+/- 1.52
40-7235	Corner Notch 40-4080, 40-4080-Lt	+/- 1.52
40-7236	Corner Notch 40-8080	+/- 1.52
45-7237	Corner Notch 45-4545, 45-4545-Lt	+/- 1.52
45-7233	Corner Notch 45-4590	+/- 1.52
45-7239	Corner Notch 45-9090	+/- 1.52
65-7513	Mill Finish Sanding All Sides ≤ 1220mm	—
65-7514	Mill Finish Sanding Any Side > 1220mm	

For Aluminum Plate Thicker Than 6mm

Service Part No.	Description	Cut Tolerance
65-7169	Cut Panel ALL Sides ≤ 1220mm	+/- .38
65-7170	Cut Panel ANY Side > 1220mm	+/- .38
65-7190	2 Sided Cutout Any > 76.20mm	+/- .38
65-7191	3 Sided Cutout Any > 76.20mm	+/- .38
65-7192	4 Sided Cutout Any > 76.20mm	+/- .38
65-7193	Misc Panel Notch ALL Sides ≤ 76.2mm	+/- .38
65-7194	Circular Cutout >25.4mm, <+254mm	+/- .38
65-7195	Corner Radius ALL Sides ≤ 76.2mm	+/- .38
65-7196	Drill Thru & Countersink	+/- .38
65-7197	Drill Thru & Tap	+/- .38

Service Part No.	Description	Cut Tolerance
65-7198	Drill Thru	+/- .38
65-7199	Angle Cut	+/- .38
25-7206	Routing All Sides ≤ 1220mm	+/-. 25 -.38
25-7207	Routing Any Side > 1220mm	+/-. 25 -.38
30-7208	Routing All Sides ≤ 1220mm	+/-. 25 -.38
30-7209	Routing Any Side > 1220mm	+/-. 25 -.38
65-7221	Edge Radius All Sides ≤ 1220mm	+/- 1.02
65-7222	Edge Radius Any Side > 1220mm	+/- 1.02
65-7542	Edge Radius All Sides ≤ 1220mm	+/- 1.02
65-7543	Edge Radius Any Side > 1220mm	+/- 1.02

Bi-Fold Door Configuration



Step #1 Select the profile you will use for building your bi-fold door. Typically this is the same as the frame.

Step #2 Determine the opening width of your door.

Step #3 Choose your hinge type and find the standard gap between profiles when using that hinge.

Step #4 Choose the total width for each inside door, remembering to subtract the hinge and clearance gaps.

Note:

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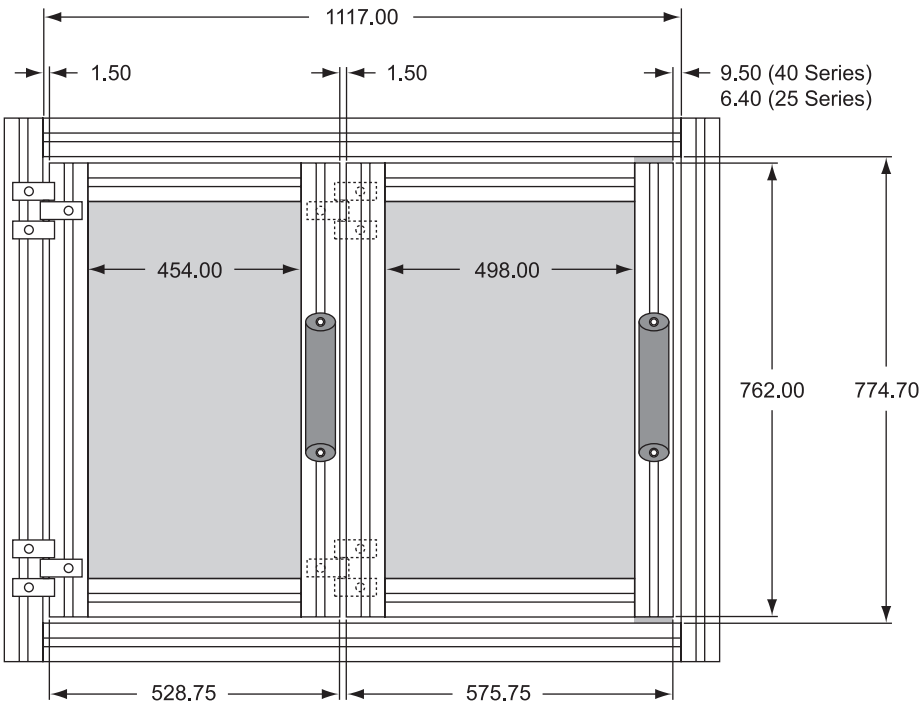
Bi-Fold Door Application Examples

Take a moment to review the bi-fold door design shown below. Use this drawing as a reference and study the method for figuring the door dimensions. For this example, we will be referring to a 40 Series application using 40-4040-lite T-slotted aluminum profiles and 40 Series heavy duty hinges. Changing hinges and/or profiles will result in different calculation results.

*Note: heavy duty hinges have the same profile gap for 25 or 40 Series (1.50mm)



How to determine the width of the narrow door

(1.50 + 1.50 + 9.50 + 47.00 = 59.50)(1117.00 - 59.50 = 1057.50 ÷ 2 = 528.75)

How to determine the width of the wide door

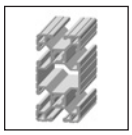
(528.75 + 47.00 = 575.75)

New Products

What's new at 80/20? Lots of things! We've added new parts to our line, including four new ultra light profiles, fasteners, panels and machining services. Many new parts were added because you, our customers, asked for them!

1530-ULS Profile

Page 56

1530-UL Profile

Page 57

40-4040-UL Profile

Page 58

40-4080-UL Profile

Page 59

Roll-In T-Nuts with Ball Spring

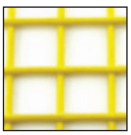
Page 60

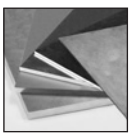
Miter Connector

Page 61

Recycled Polycarbonate

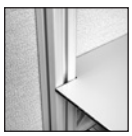
Page 62

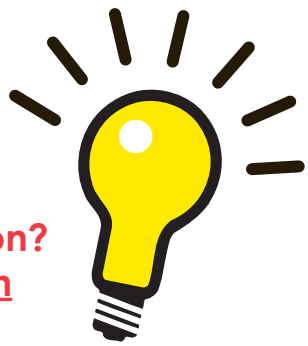
Thermoplastic Coated Wire Mesh

Page 62

Solid Aluminum Plate

Page 63

Adjustable Floor Locks

Page 63

Panel Notch Service

Page 64



Have a new product idea or suggestion?
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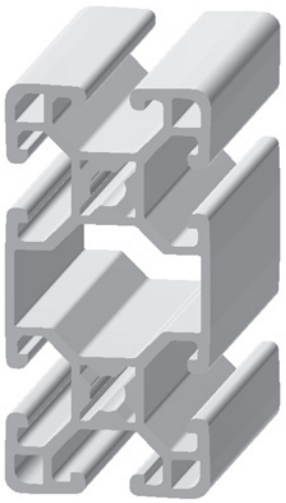
1530-ULS T-Slotted Profile - 15 Series

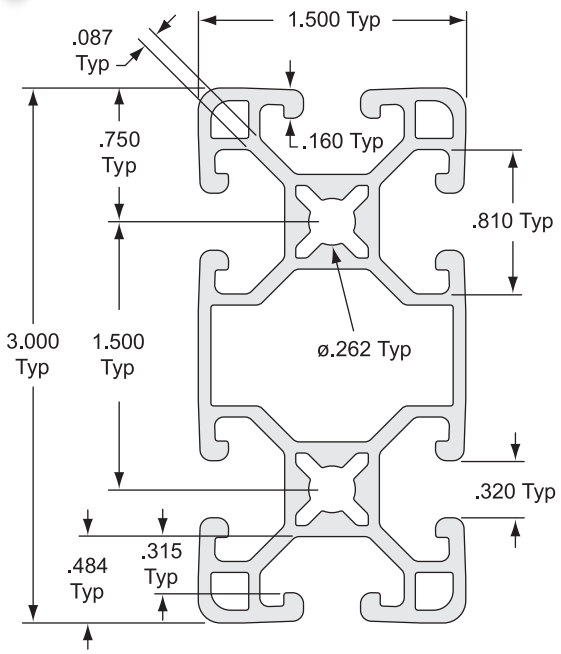
- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- 1515-ULS is a great choice when modularity is needed in lightweight applications such as guards, enclosures, workstations and furniture
- 1530-ULS profile has a smooth surface
- Compatibility Code*: 8-15



VIBRATION PROOF™ **

NEW!

Part No.	1530-ULS
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.591 Lbs.
Stock Length (+/- .125")	145" - Part No. 1530-ULS-145 242" - Part No. 1530-ULS-242
Moment Of Inertia	IX=1.977"⁴ IY=0.314"⁴
Estimated Area	1.325 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7045 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

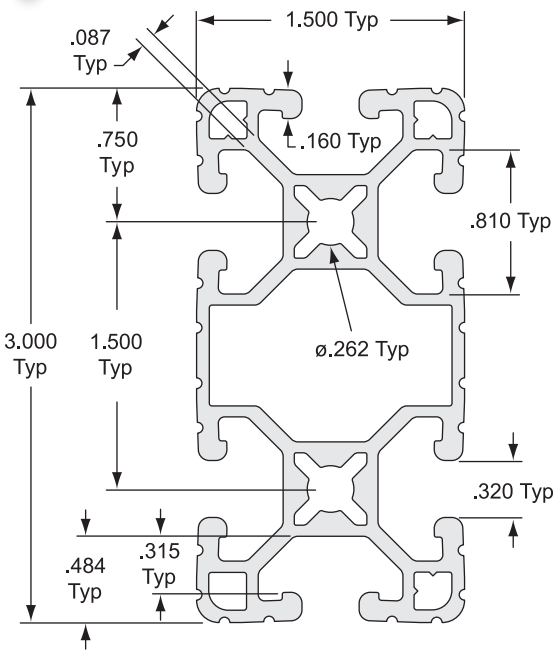
1530-UL T-Slotted Profile - 15 Series

- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- 1515-UL is a great choice when modularity is needed in lightweight applications such as guards, enclosures, workstations and furniture
- Compatibility Code*: 8-15

VIBRATION PROOF™ **

NEW!

Part No.	1530-UL
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.609 Lbs.
Stock Length (+/- .125")	145" - Part No. 1530-UL-145 242" - Part No. 1530-UL-242
Moment Of Inertia	IX=1.9978"⁴ IY=0.3146"⁴
Estimated Area	1.3396 Sq. In.



Quick Machining Reference

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7045 (see page 564)

* See Compatibility Code information on page 152.

** See 2° Drop-Lock information on page 150.

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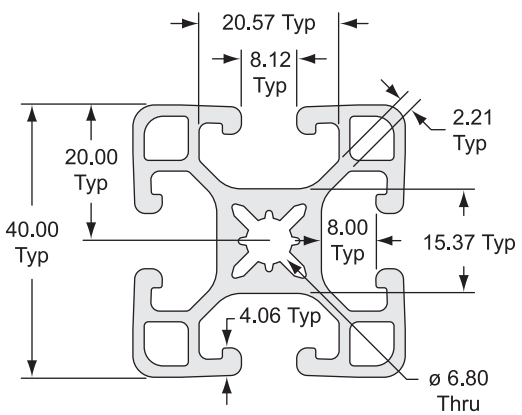
40-4040-UL T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Four open T-slots for mounting accessories
- A great choice when strength is needed in a lightweight application such as guards, enclosures, workstations, displays and furniture
- Compatibility Code*: 8-40

VIBRATION** PROOF™

NEW!

Part No.	40-4040-UL
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	1.589 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4040-UL-4M 6m - Part No. 40-4040-UL-6M
Moment Of Inertia	IX=8.7060 cm^4 IY=8.7060 cm^4
Estimated Area	6.0349 cm^2



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7010 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7059 (see page 1030)

* See Compatibility Code information on page 642.
** See 2° Drop-Lock information on page 640.

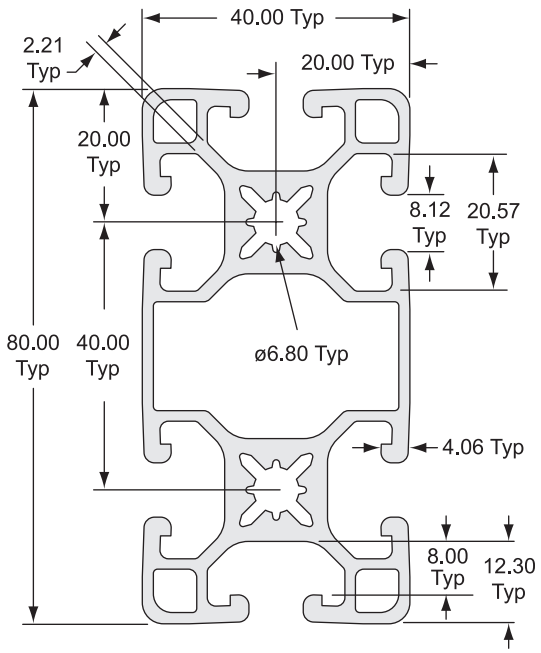
40-4080-UL T-Slotted Profile - 40 Series

- Compatible with all 40 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 1.034 N/mm² (150 psi); refer to pages 934-935
- 40-4080-UL is a great choice when strength is needed in lightweight applications such as guards, enclosures, workstations, displays and furniture
- Compatibility Code*: 8-40

VIBRATION PROOF™

NEW!

Part No.	40-4080-UL
Material	6105-T5
Finish	Clear Anodized
Weight Per Meter	2.707 kg/m
Stock Length (+/- 3mm)	4m - Part No. 40-4080-UL-4M 6m - Part No. 40-4080-UL-6M
Moment Of Inertia	IX=106.9762 cm⁴ IY=15.4755 cm⁴
Estimated Area	10.3629 cm²



Quick Machining Reference

Machining Service	Service Number
Cut to Length	40-7020 (see page 1029)
7.1mm Access Hole	40-7050 (see page 1031)
Anchor Counterbore	40-7044 (see page 1033)
Tap Profile End	40-7048 (see page 1030)

* See Compatibility Code information on page 642.

** See 2° Drop-Lock information on page 640.

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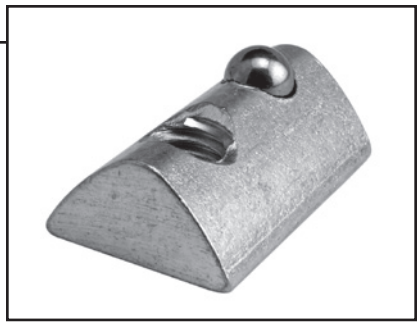
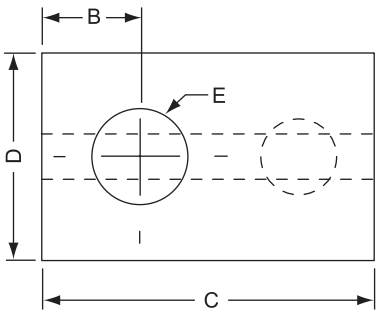
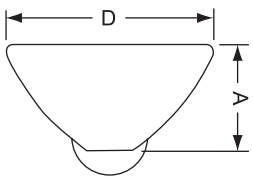
Roll-In T-Nuts with Ball Spring



- **10, 15, 25 and 40 Series compatible**
- **Easy to add and reposition to existing frame where T-slot ends are captivated**
- **Can be loaded from the profile end or the profile side**
- **The ball spring holds the T-nut in vertical position in the T-slot**
- **Refer to pages 249-259 for our full screw and bolt offering**



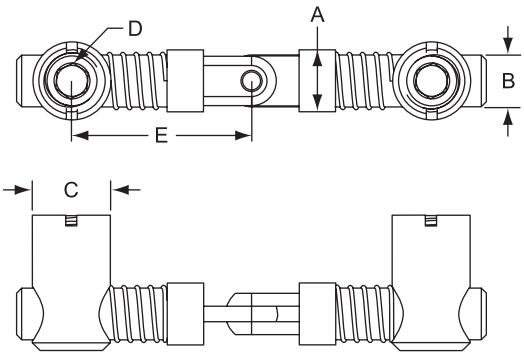


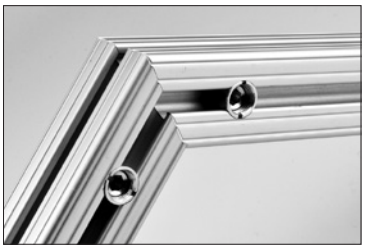
Now available for 10 Series

Part No.	A	B (Tap Location)	C	D	E (Thread)	Finish	Lbs.
3913	.276	.276	.866	.539	M5	Bright Zinc	.028
3914	.276	.276	.866	.539	M6	Bright Zinc	.026
3915	.276	.276	.866	.539	M8	Bright Zinc	.026
3916	.276	.276	.866	.539	1/4-20	Bright Zinc	.028
3917	.276	.276	.866	.539	5/16-18	Bright Zinc	.026
3919	.200	.200	.620	.395	M4	Bright Zinc	.0098
3920	.200	.200	.620	.395	M5	Bright Zinc	.0094
3921	.200	.200	.620	.395	M6	Bright Zinc	.0084
3922	.200	.200	.620	.395	10-32	Bright Zinc	.0092
3923	.200	.200	.620	.395	1/4-20	Bright Zinc	.0084
3666	.200	.200	.620	.395	M4	Stainless Steel	.0084
3667	.200	.200	.620	.395	M5	Stainless Steel	.0094
3668	.200	.200	.620	.395	M6	Stainless Steel	.0088
3669	.200	.200	.620	.395	10-32	Stainless Steel	.0096
3670	.200	.200	.620	.395	1/4-20	Stainless Steel	.0086
13018	.275	.255	.866	.539	1/4-20	Stainless Steel	.022
13021	.275	.255	.866	.539	5/16-18	Stainless Steel	.020

Miter Connector

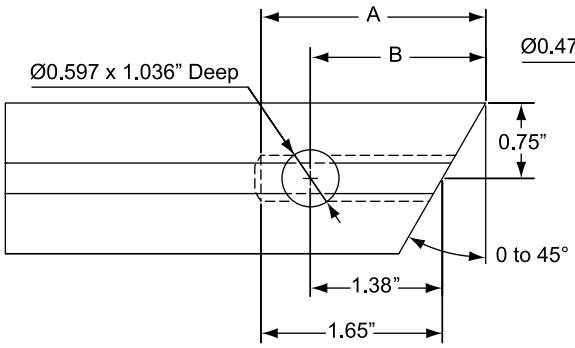
- Strong, internal connector
- For use on all square 15, 40 and 45 Series profiles
- Can be used in connection angles of 90° - 180°

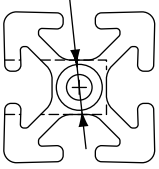




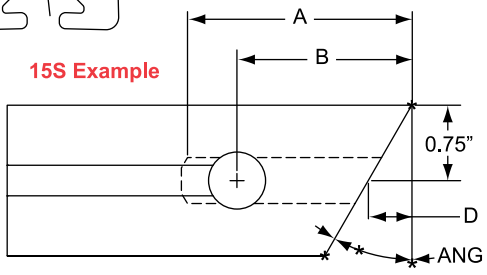
Part No.	A	B	C	D	E	Lbs.	Compatibile Profiles
13193	.469	.394	.590	6mm Hex	1.307	.193	1515-UL, 1515-Lite, 1515, 1517, 1547, 1501, 1502, 1503, 1504, 1515-ULS, 1515-LS, 1515-S, 1517-LS, 1501-LS, 1502-LS, 1503-LS, 1504-LS, 40-4040-UL, 40-4040-Lite, 40-4040, 40-4001, 40-4002, 40-4003,40-4004, 40-4030-Lite, 40-4045-Lite, 45-4545, 45-4545-Lite

Miter Connector Machining





15S Example



Part No.	Compatibile Profiles
7110	1515-UL, 1515-Lite, 1515, 1517, 1547, 1501, 1502, 1503, 1504, 1515-ULS, 1515-LS, 1515-S, 1517-LS, 1501-LS, 1502-LS, 1503-LS, 1504-LS

15 Series						
Bar Cut Angle (0-45):	ANG	7.5	15	22.5	30	45
Miter Offset:	D	0.099	0.201	0.311	0.433	0.750
12.1mm Dia Drill Depth:	A	1.752	1.855	1.964	2.087	2.404
15.2mm C-Bore from End of Bar:	B	1.437	1.540	1.649	1.772	2.089

ANG = 30°
D = 0.75" x tan ANG — D = 0.433"
A = 1.654" + D — A = 2.126"
B = 1.378" + D — B = 1.772"

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RECYCLED CLEAR POLYCARBONATE PANELS

- **Same machinability and impact resistance as our standard "virgin" polycarbonate panels**
- **Made from less costly, recycled material ***
- **Stable up to 240°**
- **Available in 1/4" thickness, Part No. 2646, and 3/16" thickness, Part No. 2647**

* When compared to our standard "virgin" polycarbonate panels, recycled material may appear slightly tinted

Part No.	Trade Name	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2643	Lexan® / Makrolon® / Palram	Clear	.118"	.737	48" x 96" + .875/-0
2610	Lexan® / Makrolon® / Palram	Clear	.177"	1.150	48" x 96" + .875/-0
2609	Lexan® / Makrolon® / Palram	Clear	.220 - .236"	1.500	48" x 96" + .875/-0 60" x 96" + .875/-0
2644	Lexan® / Makrolon® / Palram	Clear	.375"	2.340	48" x 96" + .875/-0
2645	Lexan® / Makrolon® / Palram	Clear	.500"	3.120	48" x 96" + .875/-0
2612	Lexan® / Makrolon® / Palram	Bronze	.177"	1.150	48" x 96" + .875/-0
2611	Lexan® / Makrolon® / Palram	Bronze	.220 - .236"	1.500	48" x 96" + .875/-0
2630	Lexan® / Makrolon® / Palram	Gray	.177"	1.150	48" x 96" + .875/-0
2629	Lexan® / Makrolon® / Palram	Gray	.220 - .236"	1.500	48" x 96" + .875/-0
2647	Recycled	Clear	.177"	1.150	48" x 96" + .875/-0
2646	Recycled	Clear	.220 - .236"	1.500	48" x 96" + .875/-0

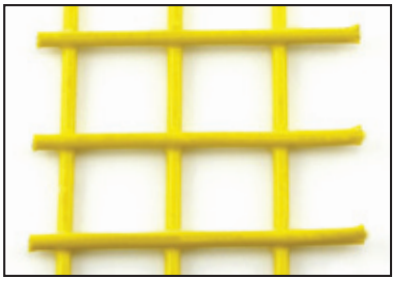
NEW!

Improved Thermoplastic Coated Wire Mesh Panels

80/20'S WIRE MESH NOW FEATURES A MORE CONSISTENT, ECO-FRIENDLY THERMOPLASTIC COATING

- **Widely used in guarding and enclosure applications**
- **Strong yet lightweight**
- **Low wear value, won't flake or chip**
- **Corrosion resistant**
- **Shear wire mesh panels to size with 7095 or 7100 services**
- **Available in black, yellow or grey**

NEW!



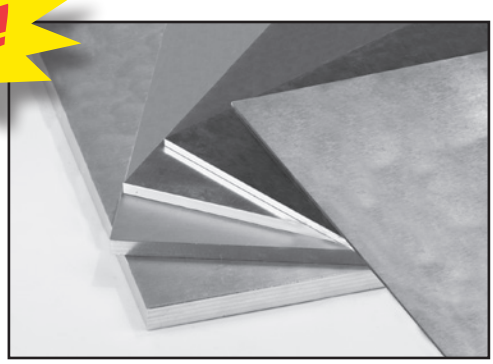
Part No.	Material	Wire Gauge	Thickness	Lbs. / Sq. Ft.	Dimensions	Stock Sheet Size
2472	Thermoplastic Coated Carbon Steel Black	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2474	Thermoplastic Coated Carbon Steel Black	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"
2478	Thermoplastic Coated Carbon Steel Black	12	.210"	1.300	Square 2" x 2"	48" x 96" +/- .50"
2473	Thermoplastic Coated Carbon Steel Yellow	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2475	Thermoplastic Coated Carbon Steel Yellow	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"
2477	Thermoplastic Coated Carbon Steel Grey	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2476	Thermoplastic Coated Carbon Steel Grey	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"

Get a free sample today by calling 260-248-8030 or emailing info@8020inc.com.

Solid Aluminum Plate

NEW!

- Unanodized mill finish
- 6061-T6 alloy
- Anodized parts quoted on request (CM)
- See page 608 aluminum panel machining services

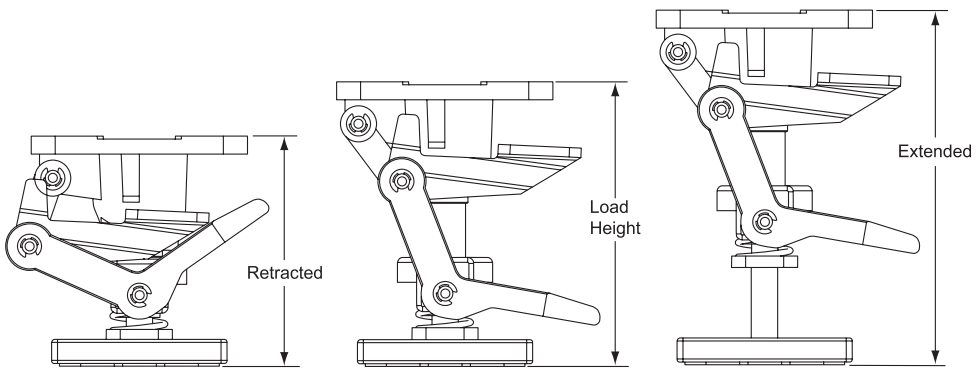


Part No.	Material	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2452	Aluminum Plate	.060"	.889	48" x 144" + .125/-0
2453	Aluminum Plate	.125"	1.764	48" x 144" + .125/-0
2454	Aluminum Plate	.187"	2.680	48" x 144" + .125/-0
2455	Aluminum Plate	.250"	3.700	48" x 144" + .125/-0
2456	Aluminum Plate	.375"	5.550	48" x 144" + .125/-0
2457	Aluminum Plate	.500"	7.400	48.5" x 96.5" + .375/-0

Adjustable Position Floor Locks

- 15 and 40 Series compatible
- Mount to profile T-slot or end by using base plate 2148
- Immobilize equipment with 70-120 lbs. force per lock
- Adjustability improves performance

NEW!



Part No.	Base Plate Part No.	Retracted	Extended Min.	Extended Max	Bolt Diameter	Lbs.
2731	2148	4.500	5.500	7.750	.500	6.831

Part No.	Base Plate Part No.	Retracted	Extended Min.	Extended Max	Bolt Diameter	kg.
40-2731	40-2148	114.30	139.70	196.85	12.70	3.10

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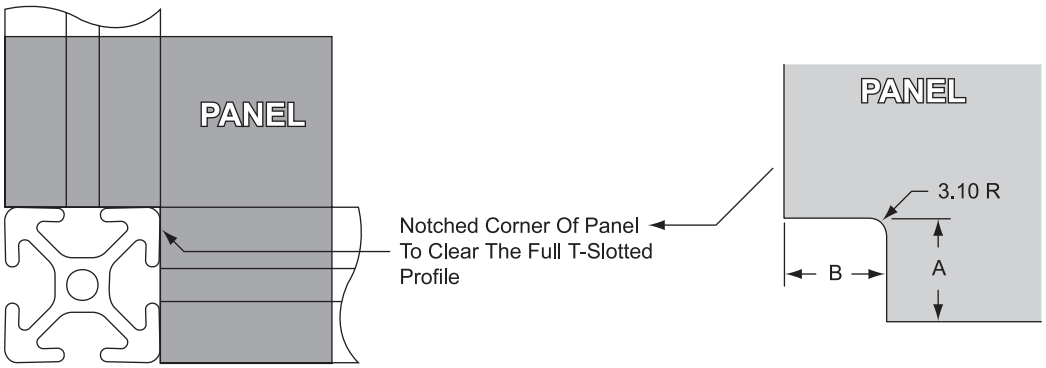
Extended Panel Notch Service - Plastic and Wire Mesh Panels

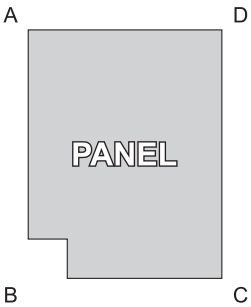
- **Provides clearance for perpendicularly mounted T-slotted profiles**
- **Refer to Section 6 for our full offering of panels**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**



For Plastic Panels and Wire Mesh

Service Part No.	Applicable Profiles	Service Type	A	B	Cut Tolerance
20-7597	20-2020	Corner Notch	21.50	21.50	+/- 1.52
25-7597	25-2525, 25-2501, 25-2502, 25-2503, 25-2504 & 25-2527	Corner Notch	26.50	26.50	+/- 1.52
25-7598	25-2550	Corner Notch	26.50	51.50	+/- 1.52
25-7599	25-5050	Corner Notch	51.50	51.50	+/- 1.52
30-7600	30-3030	Corner Notch	32.00	32.00	+/- 1.52
40-7600	40-4001, 40-4002, 40-4003, 40-4004, 40-4040, 40-4040-Lt, 40-4030-Lt & 40-4045-Lt	Corner Notch	41.50	41.50	+/- 1.52
40-7601	40-4080, 40-4080-Lt	Corner Notch	41.50	81.50	+/- 1.52
40-7602	40-8080	Corner Notch	81.50	81.50	+/- 1.52
45-7603	45-4545, 45-4545-Lt	Corner Notch	47.00	47.00	+/- 1.52
45-7604	45-4590	Corner Notch	46.50	91.50	+/- 1.52
45-7605	45-9090	Corner Notch	91.50	91.50	+/- 1.52

Ordering Example:
65-2609 (1) @ (AD) 500.00mm x (AB) 700.00mm
w/ 40-7600 on Corner B



Holey Tube Reference Guide

Aluminum vs. Steel ---- 2
Peace of Mind ---- 3
Made with 80/20 Stuff ---- 23
New Products ---- 55
Aluminum Profile Selection ---- 65
Pictorial Table of Contents ---- 117
Fractional Series ---- 145-634
- Profiles ---- 147
- Structural Shapes ---- 203
- Fastening Options ---- 221
- Joining Plates ---- 261
- Dynamic Pivots ---- 333
- Panels & Doors ---- 349
- Accessories ---- 433
- Floor to Frame ---- 457
- Linear Motion ---- 497
- Stanchions ---- 533
- Tools ---- 549
- Machining Services ---- 559
- AutoQuoterX ---- 609

Metric Series ---- 635-1078
- Profiles ---- 637
- Structural Shapes ---- 695
- Fastening Options ---- 711
- Joining Plates ---- 753
- Dynamic Pivots ---- 815
- Panels & Doors ---- 831
- Accessories ---- 915
- Floor to Frame ---- 939
- Linear Motion ---- 979
- Tools ---- 1015
- Machining Services ---- 1025

Holey Tube ---- 1079-1164
- Profiles ---- 1081
- Fasteners ---- 1097
- Joining Plates ---- 1103
- Panels & Doors ---- 1109
- Accessories ---- 1129
- Floor to Frame ---- 1143
- Machining Services ---- 1155

Quick Frame ---- 1165-1214
- Profiles ---- 1167
- Connectors ---- 1171
- Panels & Doors ---- 1185
- Floor to Frame ---- 1203
- Machining Services ---- 1209

Glossary ---- 1215
Index ---- 1221

80/20 Catalog Color Code

Fractional Series Profiles and Parts
Pages 145-634

Metric Series Profiles and Parts
Pages 635-1078

Holey Tube Profiles and Parts
Pages 1079-1164

Quick Frame Profiles and Parts
Pages 1165-1214

Glossary & Index
Pages 1215-1248

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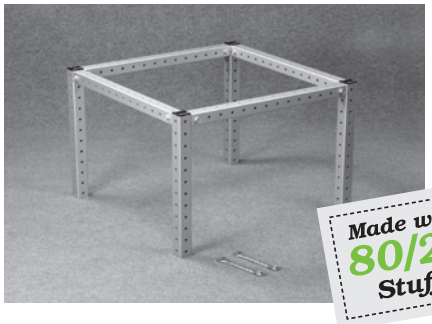
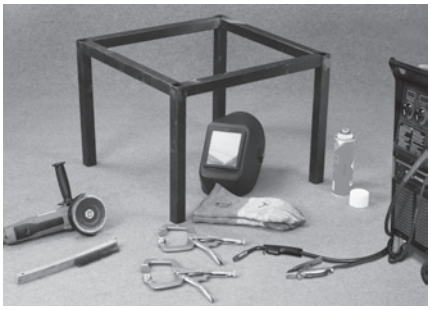
HOW 80/20'S HOLEY TUBE ALUMINUM PROFILES REDUCE YOUR FABRICATION TIME AND COST





$138.29 *versus* **$236.19**

Holey Tube

24" x 24" x 18" 12 Lbs.

What it Takes:

1. Design time*
2. Bill of materials*
3. Purchase materials
4. Assemble frame per design

Benefits:

- No welding - no fighting heat stress or warping
- Pre-drilled holes located on 1.5" centerlines
- Lighter in weight than 80/20's traditional T-slotted aluminum framing profiles
- Quick and easy assembly - only simple hand tools required
- Holey Tube frames can be integrated with T-slotted aluminum profiles!

Bill of Materials:

Qty.	Description	Cost
4	9701 x 18"	26.64
4	9701 x 21"	31.08
8	7010 Saw Cut	15.60
8	3752 5/16-18 x 1.75" Flanged Hex Head Bolt	4.08
8	3759 5/16-18 Flanged Hex Head Nut	0.56
8	4600 5/16-18 Standard Tube Insert	18.80
8	3111 5/16-18 x .625" BHSCS	2.32
4	9755 End Caps	3.36
2	6080 Combination Wrenches	17.10
	1/4 hr. labor to assemble @ 75.00/hr.	**18.75**
	Total Project Cost	**$138.29**

Welded Steel Frame

24" x 24" x 18" 33 Lbs.

What it Takes:

1. Design time
2. Bill of materials
3. Purchase materials
4. Cut to length
5. Deburr
6. Set up fixture
7. Weld
8. Grind welds
9. Clean weld splatter
10. Drill and/or tap for mounting accessories
11. Degrease
12. Mask non-paint areas
13. Primer coat
14. Paint

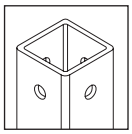
Fabricating Equipment Required:

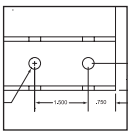
- Band Saw • Grinder • Welder
- Paint Booth • Skilled Labor

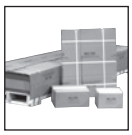
Bill of Materials:

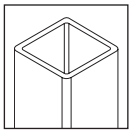
Qty.	Description	Cost
4	1 1/2" x 1 1/2" x 1/8" wall x 18" steel tube	38.96
4	1 1/2" x 1 1/2" x 1/8" wall x 21" steel tube	44.23
	Welding supplies, sandpaper, cleaning supplies, tape, paint, etc,	33.00
	4 hrs. labor @ 30.00/hr.	**120.00**
	Total Project Cost	**$236.19**

Section #1 Pictorial Table Of Contents

Introduction to Holey Tube

Pages 1082-1083

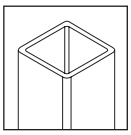
Dimensional Details

Page 1083

How to Order Holey Tube

Page 1084

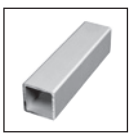
Holey Tube Profile Families

Page 1085

Tube Insert Connections

Pages 1086-1091

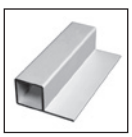
Holey Tube Specifications

Page 1092

Holey Tube Aluminum Profiles

9700 Square Tube

Page 1093

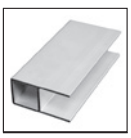
9701 Square Tube

Page 1093

9705 P-Tube

Page 1094

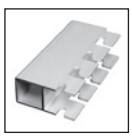
9706 P-Tube

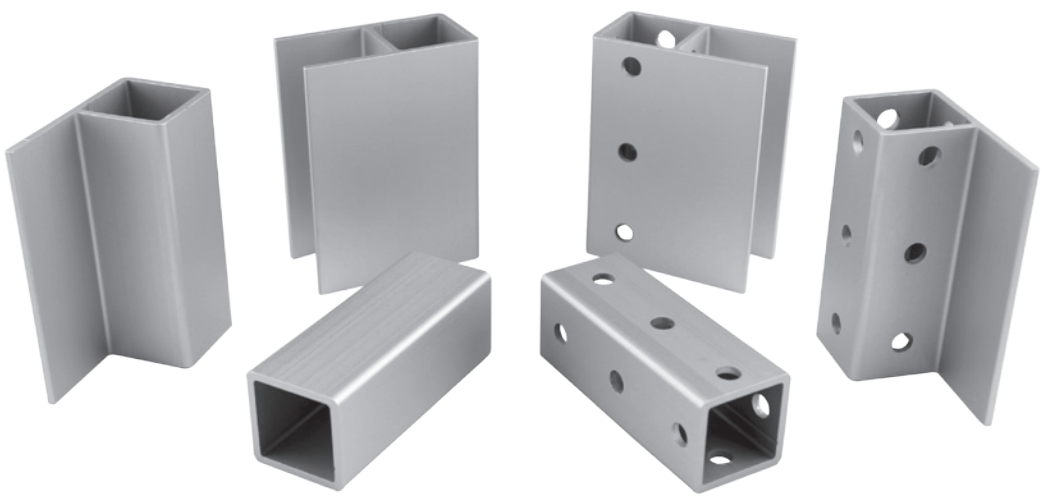
Page 1094

9725 A-Tube

Page 1095

9726 A-Tube

Page 1095

9728 A-Tube

Page 1095



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Introduction to Holey Tube Profiles

80/20®'s Holey Tube framing line is a natural extension of *"The **Industrial** Erector Set®"*. The Holey Tube product is an easy-to-assemble, cost-effective modular aluminum framing system, perfect for designing carts, gravity feed racks or integrating with 80/20's existing T-slotted aluminum lumber.

Holey Tube Section 1, profiles, contains information about 80/20's structural Holey Tube components. These extruded shapes, when combined with connector inserts found in Section 2, form the basic building blocks of the Holey Tube. Technical details, material strength, and weights for each of the extruded shapes can be found with each of the extrusion profiles found on pages 1091-1095.

Extruded Holey Tube profiles are structured around 1.50" square tubes and feature 1.50" flanges in various configurations. Each of the profiles is available with centered, pre-drilled holes at 1.50" intervals or without any machining at all. See Section 7 for available machining services.

Holey Tube Advantages

- **Pre-drilled holes on 1.5" centerlines simplify design changes**
- **Clear anodized for corrosion protection**
- **Use standard fractional or metric sized fasteners**
- **Deburred and washed before we ship**
- **No welding - no fighting heat stress or warping**
- **Easy to fabricate - requires only simple hand tools**

Holey Tube Considerations

- Lightweight—perfect for applications that are mobile.
- Easy to assemble and designed for simplicity—your project will be completed with a few easy steps. A wrench is all you need.
- NO machining required! The pre-drilled holes allow for adjustability in your project without any extra machining.
- Compatible with 15 Series profiles and accessories. Integrate the Holey Tube product with 15 Series T-slotted framing to impact your project costs without compromising quality.
- Simple and modular—perfect for those projects that may need precision engineering. Holey Tube profiles are based on 1.50" hole intervals.
- Makes project design EASY!

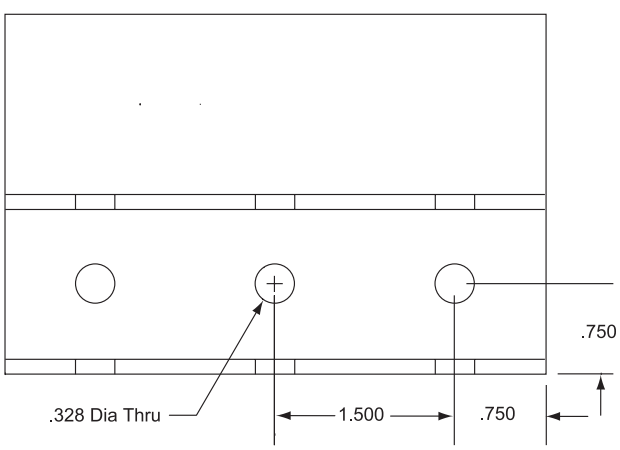
Holey Tube Dimensional Detail

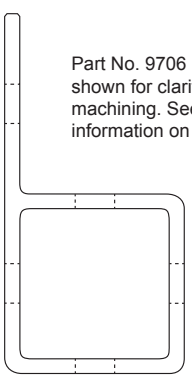
The standards detailed here for hole sizes and centerlines apply to ALL pre-drilled Holey Tube extruded profiles. This machining detail also shows a typical flange notch detail that applies to ALL pre-fabricated flanges.

www.8020.net/htintro.asp

The design ingenuity of the Holey Tube offers many benefits, including:

- Compatibility with many existing 15 Series components
- Construct framework without requiring machining services
- Simplify modification of existing frames





Part No. 9706 P-Tube Left Hand shown for clarification of pre-fabricated machining. See page 1094 for more information on 9706 extrusion.

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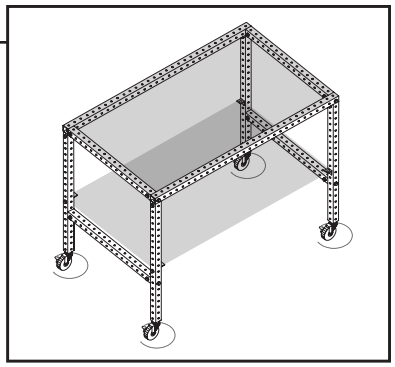
How to Order Holey Tube - Shop Cart



How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____

Address: _____

City / State: _____

Attention: _____

Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price/ UOM	Ext. Price
1	9701	4	24"	9701 x 24"	$.37	$35.52
	9701	4	30"	9701 x 30"	$.37	$44.40
	9701	2	45"	9701 x 45"	$.37	$33.30
2				See Page 417-418 for How to Order Custom Parts		
3				See Page 841-856 for How to Order Panels		
4	7010	10		Cut-to-length 1.5" x 1.5"	$1.85	$18.50
5	2300	4		3" swivel caster w/3/8-16 stem w/brake	$7.05	$28.20
	2430	4		15 Series panel mount bracket	$3.15	$12.60
	3748	4		5/16-18 x .75 flanged hex head bolt	$0.34	$1.36
	3961	4		5/16-18 x 2.00 BHSCS w/washer & flanged hex nut	$0.71	$2.84
	3970	4		5/16-18 x 1.75 flanged hex head bolt & flanged hex nut	$0.58	$2.32
	4600	4		5/16-18 standard tube insert	$2.35	$9.40
	4607	4		3/8-16 extended tube insert	$4.10	$16.40
	4701	8		5/16-18 standard tube insert	$3.15	$25.20
					TOTAL	$230.04

NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 1085-1095 • **2** - Custom Parts = Pages 203-220 • **3** - Panels = Pages 1109-1128
4 - Machining Services = Pages 1155-1164 • **5** - Accessories & Tools = Pages 1129-1137

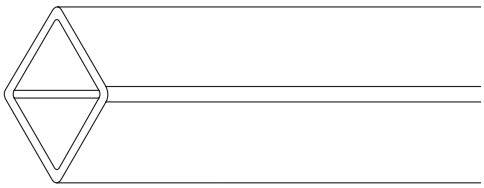
We specialize in FAST™ *same day shipments!*

Holey Tube Profiles - With Holes

The pre-drilled holes make building with this framing system ***EASY*** - without additional machining!

Holey Tube Profiles - Without Holes

Profiles without holes provide your application with a neat, clean, and aesthetically pleasing appearance.

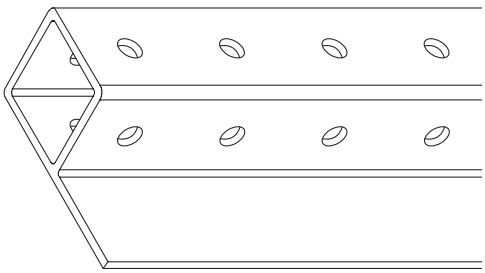


Ordering Holey Tube profiles without holes:

- Choose from the Holey Tube profiles on pages 1092-1096 that do not have pre-drilled hole patterns
- Have your profile cut to the desired length and specify the appropriate clearance drill service and style from pages 1156-1158

Holey Tube Profiles - With Flanges

Profiles with flanges make your application adjustable. Flanges can be used in many different ways; the application below demonstrates the use of flanged profiles to create an adjustable rack for material handling uses.



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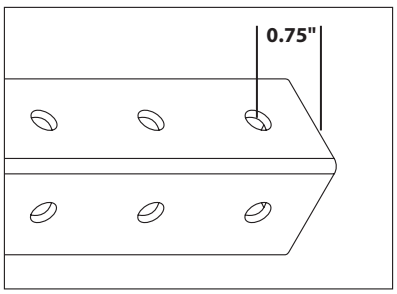
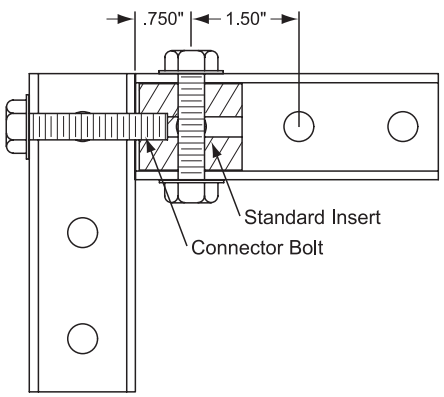
Holey Tube Standard Tube Insert Connection

The 4600 standard tube insert, two flanged bolts and one nut are all you need for fastening all Holey Tube profiles together. This simple fastening method is the most widely used for all Holey Tube connections.

The standard tube insert is used when the end of the profile is cut exactly 3/4" from the first hole centerline.

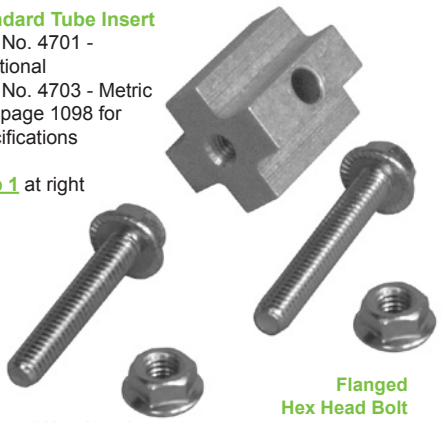




Standard Tube Insert Kit Components

Standard Tube Insert
Part No. 4701 - Fractional
Part No. 4703 - Metric
See page 1098 for specifications

Step 1 at right



Flanged Hex Head Bolt & Hex Nut
5/16-18 x 1.75"

See Step 2 at right

Flanged Hex Head Bolt & Hex Nut
5/16-18 x 2.00"

See Step 3 at right

See page 1158 for do-it-yourself details and page 1156 for Cut-to-Length services.

Holey Tube Standard Tube Insert Connection, continued

Step #1: Slide the Standard Tube Insert into the profile with the mounting hole in the proper orientation.

Step #2: Slip the hex bolt through the profile and tighten.

Step #3: Align the mating profile flush in front of the tube insert. Thread the second hex bolt through the mating profile and screw it into the end of the tube insert, finger tight.

Step #4: Square and align the mating profile. Using a 1/2” wrench, tighten the hex bolt until the connection is secure.

Tool Needed

1/2" Combination Wrench
Part No. 6080, page 555

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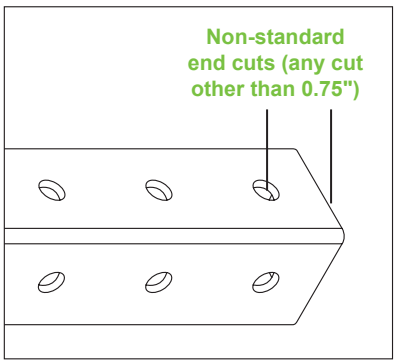
Holey Tube Extended Tube Insert Connection

The 4605 extended tube insert, two flanged bolts and one nut are all you need for fastening any Holey Tube profiles together that are NOT cut at the standard 3/4" end cut. This simple fastening method is required for applications where profile lengths are not equally divisible by 1.50”.

The extended tube insert is used when the end of the profile is NOT cut at 3/4" from the first hole centerline.



Extended Tube Insert

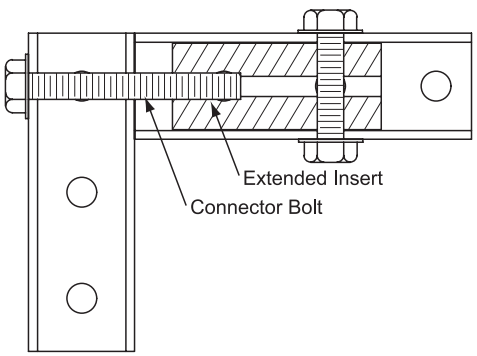
Extended Tube Insert
Part No. 4605 - 5/16-18 Fractional
Part No. 4606 - M8 x 1.25 Metric
See page 1098 for specifications

Flanged Hex Head Bolt & Hex Nut
5/16-18 x 1.75"

See Step 2 at right

Flanged Hex Head Bolt & Hex Nut
5/16-18 x 2.00"

See Step 3 at right



The illustration atleft demonstrates the use of an extended tube insert (see page 1098) in a Holey Tube profile end with irregular hole spacing. This extended insert is located at the second premanufactured hole instead of the first and will also require the use of a 3.5" connector bolt (see page 1101) for fastening the two Holey Tube profiles together.

Holey Tube Extended Tube Insert Connection, continued

Step #1: Slide the Standard Tube Insert into the profile with the mounting hole in the proper orientation.

Step #2: Slip the hex bolt through the profile and tighten.

Step #3: Align the mating profile flush in front of the tube insert. Thread the second hex bolt through the mating profile and screw it into the end of the tube insert, finger tight.

Step #4: Square and align the mating profile. Using a 1/2” wrench, tighten the hex bolt until the connection is secure.

Tool Needed

1/2" Combination Wrench
Part No. 6080, page 555

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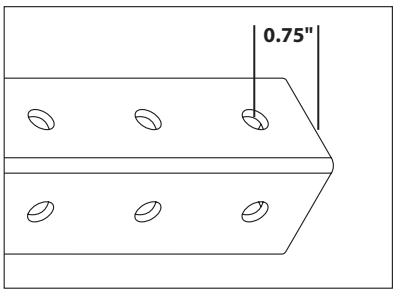
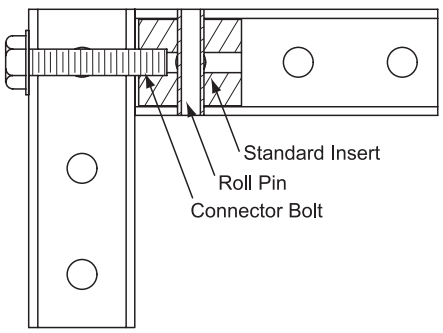
Holey Tube Standard Tube Insert with Roll Pin Connection

The 4700 assembly kit contains one standard tube insert, one flanged bolt and one roll pin. This simple fastening method is ideal for applications where aesthetics are important. View the steps on the next page to see just how clean this connection is.

The standard tube insert is used when the end of the profile is cut exactly 3/4" from the first hole centerline.

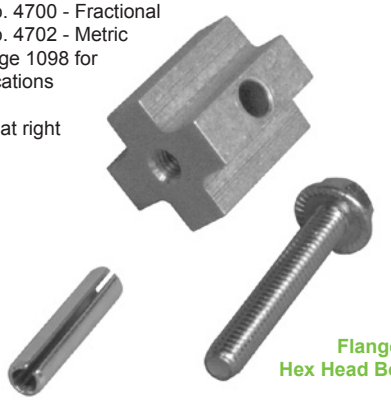




Standard Tube Insert w/Roll Pin - Kit Components

Standard Tube Insert w/ Roll Pin
Part No. 4700 - Fractional
Part No. 4702 - Metric
See page 1098 for specifications

Step 1 at right



Flanged Hex Head Bolt

5/16-18 x 2.00"

5/16" x 1.50" Roll Pin

See Step 3 at right

See Step 2 at right

See page 1158 for more do-it-yourself details.
See page 1156 for Cut-to-Length Services.

Holey Tube Standard Tube Insert with Roll Pin Connection, continued

Step #1: Slide the Standard Tube Insert into the profile with the mounting hole in the proper orientation. Place the roll pin through the profile hole and into the Standard Tube Insert hole.

Step #2: Using a 2 or 3 pound mallet, hammer the roll pin into the tube insert until it is flush with the profile face.

Step #3: Align the mating profile flush in front of the tube insert. Thread the hex bolt through the mating profile and screw it into the end of the tube insert, finger tight.

Step #4: Square and align the mating extrusion. Using a 1/2" wrench, tighten the hex bolt until the connection is secure.

Tools Needed

2-3 Pound Mallet

1/2" Combination Wrench
Part No. 6080, page 555

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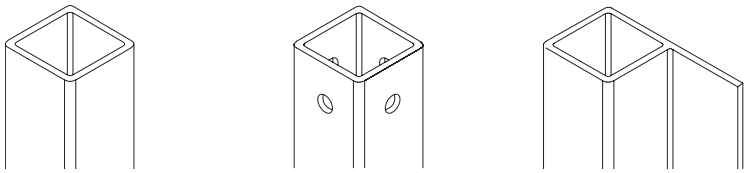
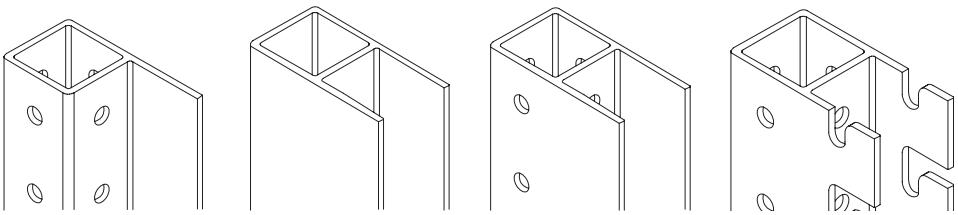
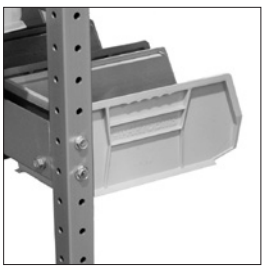
Holey Tube Specifications

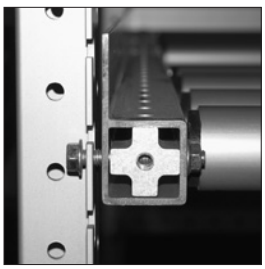


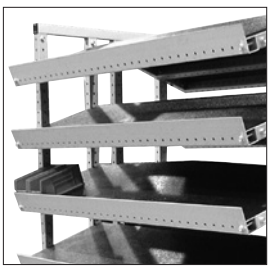
Part No.	9700	9701	9705
Material	6105-T5 Aluminum		
Finish	Clear Anodize #204-R1		
Weight Per Foot	.813 Lbs.	.813 Lbs.	1.043 Lbs.
Stock Length	100", 150"	100", 150"	100", 150"
Estimated Area	.678 Sq. In.	.678 Sq. In.	.869 Sq. In.



Part No.	9706	9725	9726	9728
Material	6105-T5 Aluminum			
Finish	Clear Anodize #204-R1			
Weight Per Foot	1.043 Lbs.	1.272 Lbs.	1.272 Lbs.	1.272 Lbs.
Stock Length	100", 150"	100", 150"	100", 150"	100", 150"
Estimated Area	.869 Sq. In.	1.061 Sq. In.	1.061 Sq. In.	1.061 Sq. In.



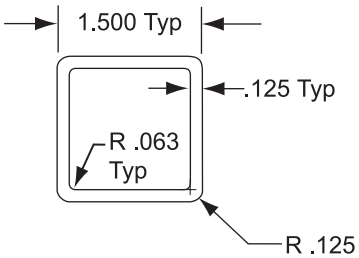




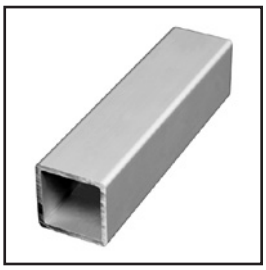
15 Series Bolt Pattern Dimensions

Many, but not all, compatible 15 Series components have been included in the Holey Tube sections of this catalog. The standards used for hole sizes and centerlines of 15 Series joining plates and inside corner brackets match the premanufactured specifications for Holey Tube machining exactly. This makes almost any 15 Series component a valuable addition to any Holey Tube frame.

1.5" Square Tube Profile



9701

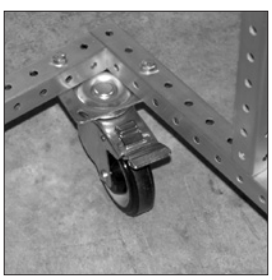


9700

Material	6105-T5 Aluminum
Finish	Clear Anodized
Weight Per Foot	.813 lbs.
Stock Length*	100" +/- .125"
	150" +/- .125"
Estimated Area	0.678

* Request other lengths to match your specs with our Cut-to-Length Service (Part No. 7010) on page 1156. Reference pages 1155-1164 for Holey Tube Machining Services.

Part No.	Description	Holes
9700	1.5" Square Tube	No
9701	1.5" Square Tube	Yes



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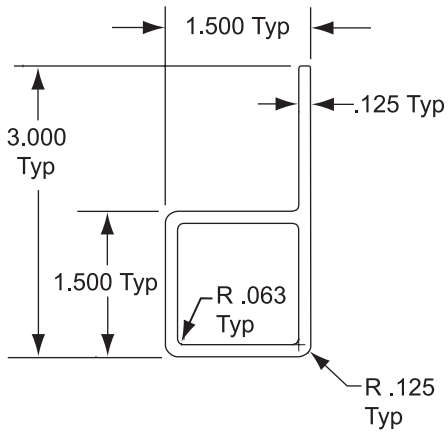
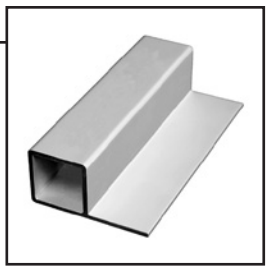
1.5" P-Tube Profile





9705

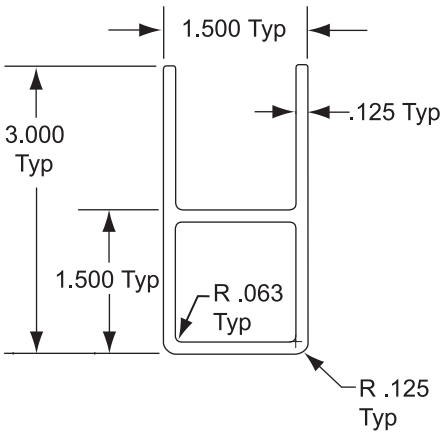
9706

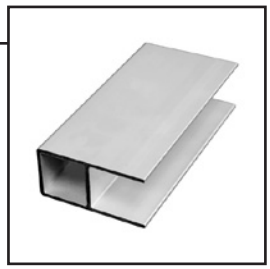
Material	6105-T5 Aluminum
Finish	Clear Anodized
Weight Per Foot	1.043 lbs.
Stock Length*	100" +/- .125"
	150" +/- .125"
Estimated Area	0.869

* Request other lengths to match your specs with our Cut-to-Length Service (Part No. 7020) on page 1156. Reference pages 1155-1164 for Holey Tube Machining Services.

Part No.	Description	Holes
9705	1.5" P-Tube	No
9706	1.5" P-Tube	Yes

1.5" A-Tube Profile





9725

9726

9728

Material	6105-T5 Aluminum
Finish	Clear Anodized
Weight Per Foot	1.272 lbs.
Stock Length*	100" +/- .125"
	150" +/- .125"
Estimated Area	1.061

* Request other lengths to match your specs with our Cut-to-Length Service (Part No. 7020) on page 1156. Reference pages 1155-1164 for Holey Tube Machining Services.

Part No.	Description	Holes	Notches
9725	1.5" A-Tube	No	No
9726	1.5" A-Tube	Yes	No
9728	1.5" A-Tube	Yes	Yes

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Material Handling by 80/20®

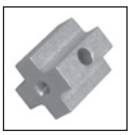
Add to your system as your needs change and your business grows. Flexible, modular shelving, racks, bins, carts, towers, frames—all go together one T-slot at a time.

For flexibility and expandability, design your project with AutoQuoterX™!

Section #2 Pictorial Table Of Contents

Introduction to Holey Tube Fasteners

Page 1097

Standard Tube Insert

Page 1098

Extended Tube Insert

Page 1098

Tube Insert Assembly with Hex Bolt

Page 1099

Tube Insert Assembly with Roll Pin

Page 1099

Roll Pin

Page 1100

Roll Pin Punch

Page 1100

Bolts, Screws, Washers and Nuts

Pages 1101-1102

www.8020.net/htassemble.asp

Introduction to Holey Tube Fasteners

One of the most important aspects of working with the Holey Tube product line is the fastening method you choose. In this section you'll find everything you'll need to create secure connections that won't loosen, even in situations when application vibration is at its highest.

Holey Tube Tips:

- Fractional Section 3 (pages 221-259) of the 80/20 catalog shows additional 5/16-18 fasteners that can be used in conjunction with the Holey Tube product line.
- Remember that many of the 15 Series parts and accessories have ø.328 mounting holes on 1.50" centerlines. Sometimes the part you are looking for is in another section of this catalog.

Holey Tube Fastener Tip:

Use button head socket cap screws (BHSCS) and washers with inside corner brackets.

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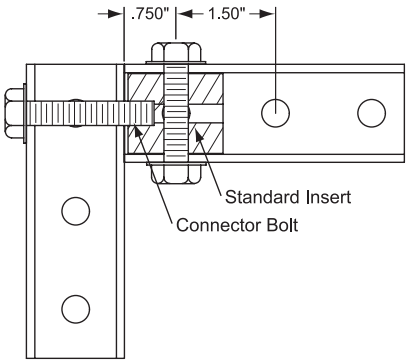
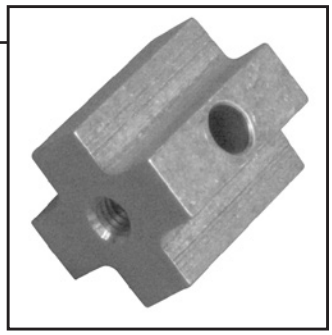
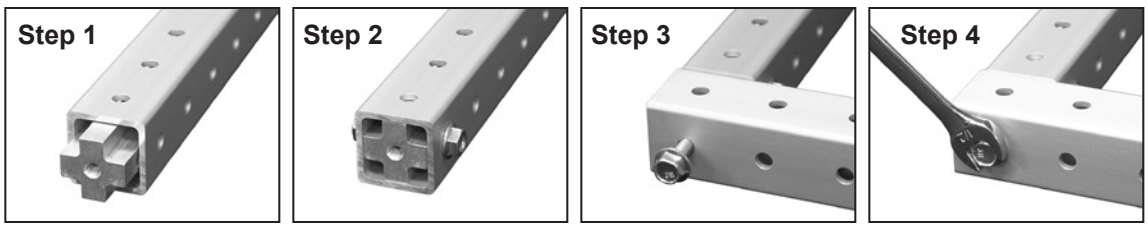
Standard Tube Inserts

- **5/16-18 or M8 x 1.25 internal threaded insert**
- **Creates a secure connection when used with fastener options on page 1099**
- **Standard tube inserts are mill-finished 6105-T5 aluminum**





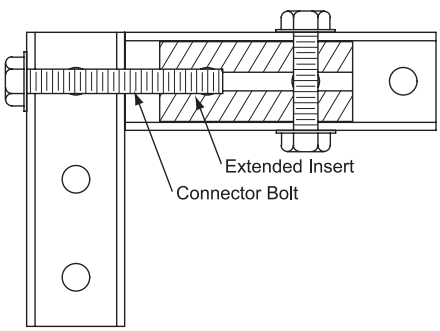
Fasteners Not Included

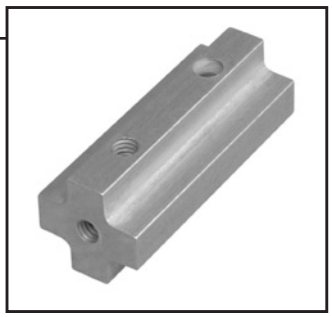


Part No.	Description	Lbs.
4600	5/16-18 Standard Tube Insert	.114
4601	M8 x 1.25" Standard Tube Insert	.114

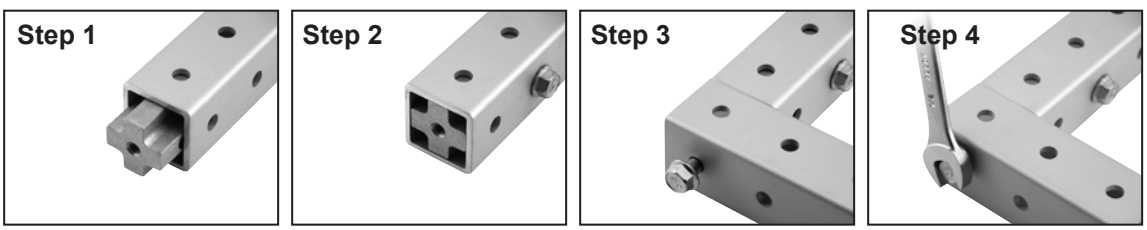
Extended Tube Inserts

- **5/16-18 or M8 x 1.25 internal threaded insert**
- **Use to bolt Holey Tube profiles together when lengths are not divisible by 1.50" (see page 970)**
- **Tube inserts are mill-finished 6105-T5 aluminum**





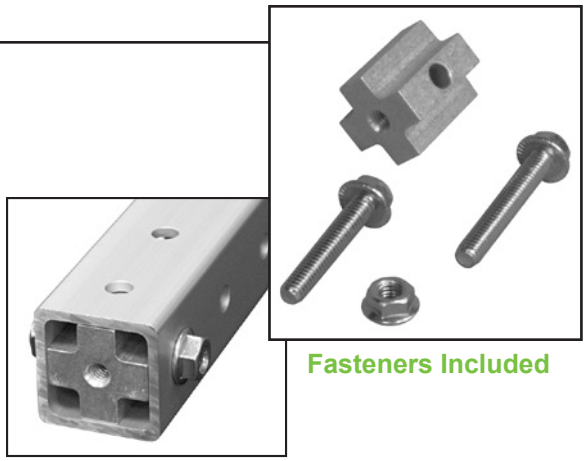
Fasteners Not Included



Part No.	Description	Lbs.
4605	5/16-18 Extended Tube Insert	.230
4606	M8 x 1.25" Extended Tube Insert	.230

Tube Insert Assemblies with Hex Bolt

- **5/16-18 or M8 x 1.25 internal threaded insert**
- **4701 tube insert assembly includes:**
  (1) 4600, 5/16-18 standard tube insert
  (1) 5/16-18 x 1.75" flanged hex head bolt
  (1) 5/16-18 flanged hex nut
  (1) 5/16-18 x 2.00" flanged hex head bolt
- **4703 tube insert assembly includes:**
  (1) 4601, M8 x 1.25 standard tube insert
  (1) M8 x 45mm flanged hex head bolt
  (1) M8 x 1.25" flanged hex nut
  (1) M8 x 50mm flanged hex head bolt



Fasteners Included

Part No.	Description
4701	5/16-18 Standard Tube Insert Assembly w/ Bolts and Hex Nut
4703	M8 x 1.25" Standard Tube Insert Assembly w/ Bolts and Hex Nut

Tube Insert Assemblies with Roll Pin

- **5/16-18 or M8 x 1.25 internal threaded insert**
- **4700 tube insert assembly includes:**
  (1) 4600, 5/16-18 standard tube insert
  (1) 5/16 x 1.50" roll pin
  (1) 5/16-18 x 2.00" flanged hex head bolt
- **4702 tube insert assembly includes:**
  (1) 4601, M8 x 1.25 standard tube insert
  (1) 5/16 x 1.50" roll pin
  (1) M8 x 50mm flanged hex head bolt

Fasteners Included

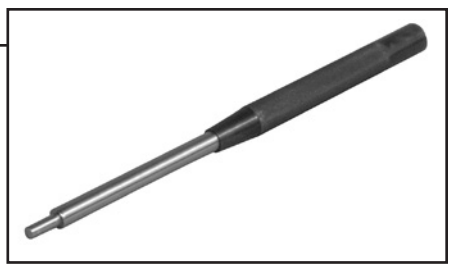
Part No.	Description
4700	5/16-18 Standard Tube Insert Assembly w/ Roll Pin
4702	M8 x 1.25" Standard Tube Insert Assembly w/ Roll Pin

Roll Pins

- 5/16 x 1.50" spring steel roll pin
- Use with Part No. 4600 and Part No. 4601 standard tube inserts on page 1098
- Bright zinc finish
- Easily installed with a 2-3 pound mallet

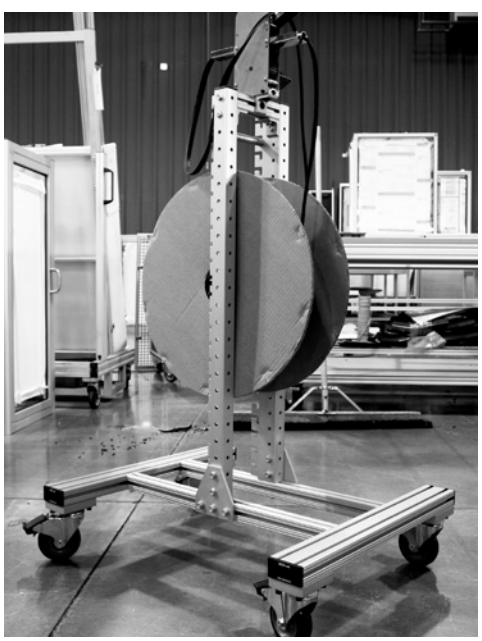
Part No.	Description	Lbs.
9760	5/16" x 1.50" Roll Pin	.020

Roll Pin Punch



- Turned shoulder on punch allows for simplified insertion and removal of roll pin
- Case-hardened installation tool
- Speeds installation of roll pins

Part No.	Description	Lbs.
6117	5/16 Roll Pin Guide and Punch	.298



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Bolts, Screws, Washers and Nuts

5/16-18 Threaded Bolts (Bright Zinc)

Part No.	Screw Type	Length	Lbs.
3747	Flanged Hex Head	.50	.020
3748		.75	.024
3749		1.00	.028
3750		1.25	.032
3751		1.50	.036
3752		1.75	.039
3753		2.00	.041
3754		2.25	.043
3755		3.50	.050
3940	BHSCS	.50	.015
3941		.75	.019
3942		1.00	.023
3943		1.25	.031
3944		1.50	.038
3945		1.75	.045
3946		2.00	.053
3947		2.25	.061
3948		3.50	.102
3950	SHCS	.50	.020
3951		.75	.024
3952		1.00	.028
3953		1.25	.032
3954		1.50	.036
3955		1.75	.039
3956		2.00	.041
3957		2.25	.043
3958		3.50	.074

M8 x 1.25" Threaded Bolts (Blue Tint Bright Zinc)

Part No.	Screw Type	Length	Lbs.
13-3940	BHSCS	12mm	.007
13-3941		20mm	.009
13-3942		25mm	.011
13-3943		30mm	.012
13-3944		40mm	.016
13-3945		45mm	.018
13-3946		50mm	.020
13-3947		60mm	.023
13-3948		80mm	.030
13-3950	SHCS	12mm	.010
13-3951		20mm	.012
13-3952		25mm	.014
13-3953		30mm	.016
13-3954		40mm	.020
13-3955		45mm	.022
13-3956		50mm	.024
13-3957		60mm	.027
13-3958		80mm	.033

5/16-18 Flanged Hex Nuts (Bright Zinc)

Part No.	Description	Lbs.
3759	5/16 -18 Flanged Hex Nut	.013
3758	5/16 -18 Flanged Hex Nut w/Lock Patch	.013

M8 x 1.25” Flanged Hex Nuts (Blue Tint Bright Zinc)

Part No.	Description	Lbs.
13-3759	M8 x 1.25 Flanged Hex Nut	.005
13-3758	M8 x 1.25 Flanged Hex Nut w/Lock Patch	.005

5/16 Flat Washers (Bright Zinc)

Part No.	Description	Lbs.
3760	5/16 Washer	.005

M8 Flat Washers (Blue Tint Bright Zinc)

Part No.	Description	Lbs.
3860	M8 Washer	.002

Additional Fractional Bolt Kits

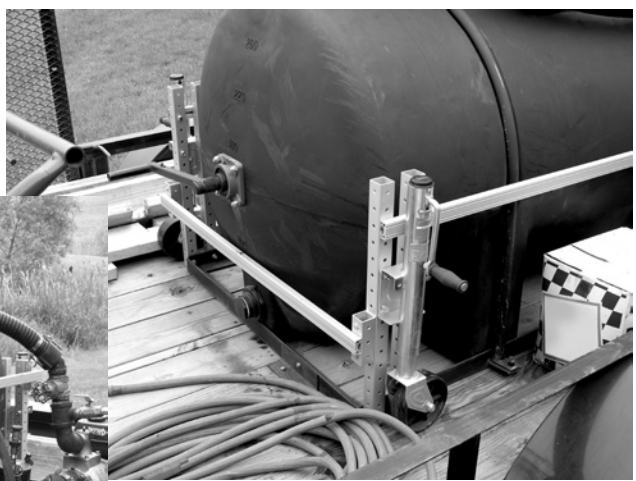
Bolt Kit No.	Description	Bolt	Washer	Hex Nut
3970	5/16-18 x 1.75" Flanged Hex Bolt w/ Flanged Hex Nut	3752	—	3759
3971	5/16-18 x 1.75" Button Head w/ Washer and Flanged Hex Nut	3945	3760	3759
3972	5/16-18 x 1.75" Socket Head w/ Washer and Flanged Hex Nut	3955	3760	3759

Bolt Kit No.	Description	Bolt	Washer	Hex Nut
3960	5/16-18 x 2.00" Flanged Hex Bolt w/ Flanged Hex Nut	3753	—	3759
3961	5/16-18 x 2.00" Button Head w/ Washer and Flanged Hex Nut	3946	3760	3759
3962	5/16-18 x 2.00" Socket Head w/ Washer and Flanged Hex Nut	3956	3760	3759

Additional Metric Bolt Kits

Bolt Kit No.	Description	Bolt	Washer	Hex Nut
3974	M8 x 45mm Button Head w/ Washer and Flanged Hex Nut	13-3945	3860	13-3759
3975	M8 x 45mm Socket Head w/ Washer and Flanged Hex Nut	13-3955	3860	13-3759

Bolt Kit No.	Description	Bolt	Washer	Hex Nut
3964	M8 x 50mm Button Head w/ Washer and Flanged Hex Nut	13-3946	3860	13-3759
3965	M8 x 50mm Socket Head w/ Washer and Flanged Hex Nut	13-3956	3860	13-3759



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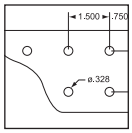
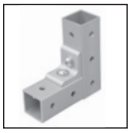
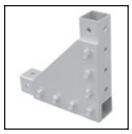
Section #3 Pictorial Table Of Contents

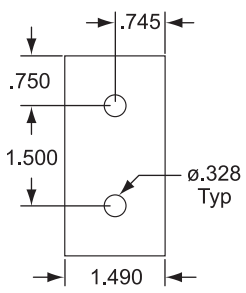
Bolt Pattern Dimensions	2 Hole Standard Inside Corner Bracket	2 Hole Inside Corner Gusset Bracket	4 Hole Inside Corner Bracket	4 Hole Inside Corner Gusset Bracket	3 Hole Inside Corner Bracket	2 Hole Slotted Inside Corner Bracket
						
Page 1103	Page 1104	Page 1104	Page 1104	Page 1104	Page 1105	Page 1105

3 Hole Slotted Inside Corner Bracket	2 Hole Joining Strip	3 Hole Joining Strip	4 Hole Joining Strip	4 Hole Joining Plate	4 Hole 90° Joining Plate	5 Hole 90° Joining Plate
Page 1105	Page 1105	Page 1106	Page 1106	Page 1106	Page 1106	Page 1107

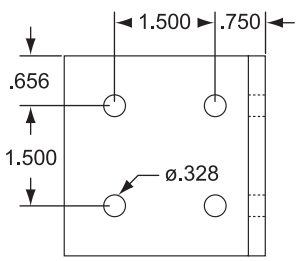
7 Hole 90° Joining Plate	4 Hole Tee Joining Plate	5 Hole Tee Joining Plate	6 Hole Tee Joining Plate	7 Hole Tee Joining Plate	7 Hole Cross Joining Plate	Additional Bolt Kits
						
Page 1107	Page 1107	Page 1107	Page 1108	Page 1108	Page 1108	Page 1108

Holey Tube Bolt Pattern Dimensions

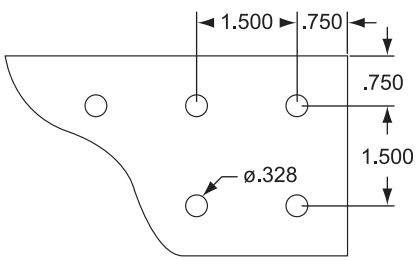
The following standards for hole sizes and centerlines apply to all Holey Tube AND 15 Series joining plates and inside corner brackets, unless otherwise noted.



Joining Strips



Inside Corner Brackets



All Flat Joining Plates
(except holes on angular axis)

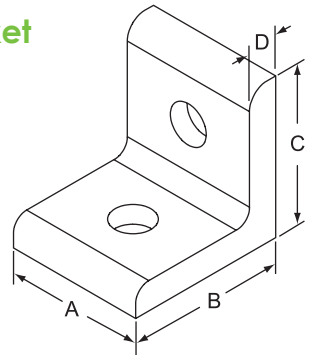
For more mounting hardware options, see page 1108.

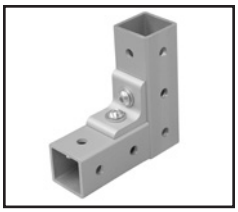
2 Hole Standard Inside Corner Bracket

Part No.	A	B	C	D	Lbs.
4302	1.310	1.500	1.500	.250	.085

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3961	2	5/16-18 x 2.00" BHSCS w/Washer and Hex Nut
OR		
3964	2	M8 x 50mm BHSCS w/Washer and Hex Nut



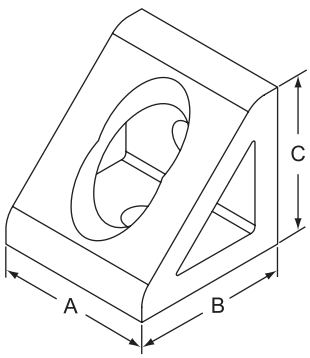


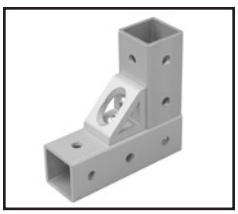
2 Hole Inside Gusset Corner Bracket

Part No.	A	B	C	Lbs.
4332	1.310	1.500	1.500	.125

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3961	2	5/16-18 x 2.00" BHSCS w/Washer and Hex Nut
OR		
3964	2	M8 x 50mm BHSCS w/Washer and Hex Nut



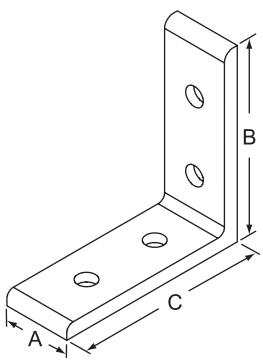


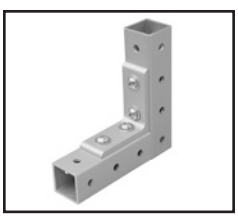
4 Hole Inside Corner Bracket

Part No.	A	B	C	Lbs.
4301	1.310	3.000	3.000	.170

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3961	4	5/16-18 x 2.00" BHSCS w/Washer and Hex Nut
OR		
3964	4	M8 x 50mm BHSCS w/Washer and Hex Nut



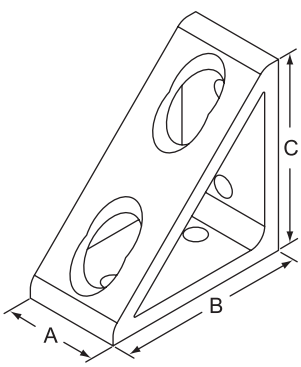


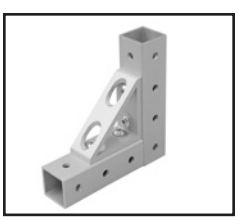
4 Hole Inside Gusset Corner Bracket

Part No.	A	B	C	Lbs.
4336	1.310	3.000	3.000	.275

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3961	4	5/16-18 x 2.00" BHSCS w/Washer and Hex Nut
OR		
3964	4	M8 x 50mm BHSCS w/Washer and Hex Nut





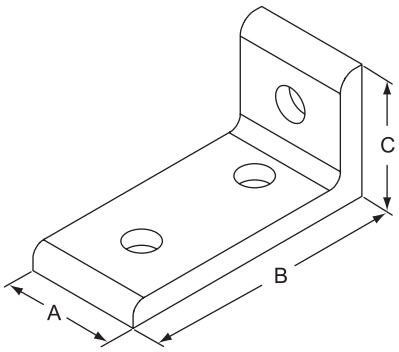
For more mounting hardware options, see page 1108.

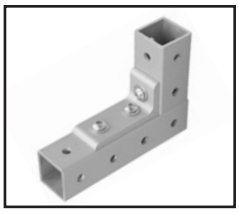
3 Hole Inside Corner Bracket

Part No.	A	B	C	Lbs.
4376	1.310	3.000	1.500	.130

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3961	3	5/16-18 x 2.00" BHSCS w/Washer and Hex Nut
OR		
3964	3	M8 x 50mm BHSCS w/Washer and Hex Nut



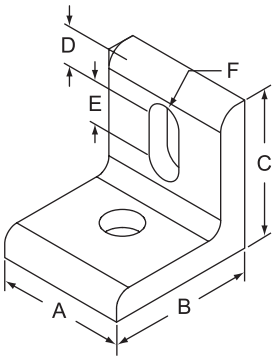


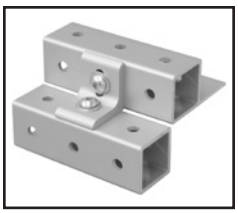
2 Hole Slotted Inside Corner Bracket

Part No.	A	B	C	D	E	F	Lbs.
4295	1.310	1.500	1.500	.500	.500	ø.328	.075

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3961	2	5/16-18 x 2.00" BHSCS w/Washer and Hex Nut
OR		
3964	2	M8 x 50mm BHSCS w/Washer and Hex Nut



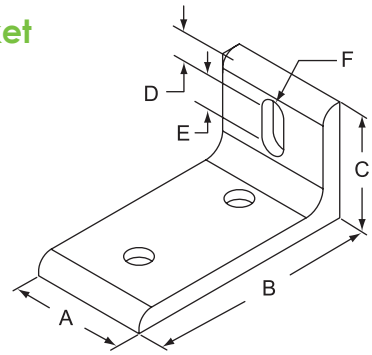


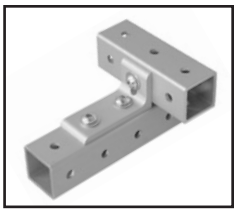
3 Hole Slotted Inside Corner Bracket

Part No.	A	B	C	D	E	F	Lbs.
4280	1.310	3.000	1.500	.500	.500	ø.328	.125

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3961	3	5/16-18 x 2.00" BHSCS w/Washer and Hex Nut
OR		
3964	3	M8 x 50mm BHSCS w/Washer and Hex Nut



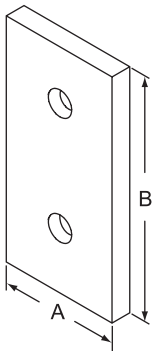


2 Hole Joining Strip

Part No.	A	B	Lbs.
4307	1.490	3.000	.105

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3960	2	5/16-18 x 2.00" Flanged Hex Bolt w/ Hex Nut
OR		
3963	2	M8 x 50mm Flanged Hex Bolt w/ Hex Nut



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THE STANDARD

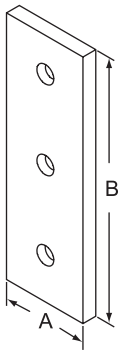
For more mounting hardware options, see page 1108.

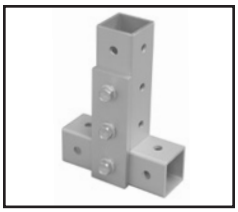
3 Hole Joining Strip

Part No.	A	B	Lbs.
4306	1.490	4.500	.160

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3960	3	5/16-18 x 2.00" Flanged Hex Bolt w/ Hex Nut
OR		
3963	3	M8 X 50mm Flanged Hex Bolt w/ Hex Nut



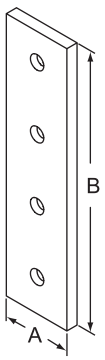


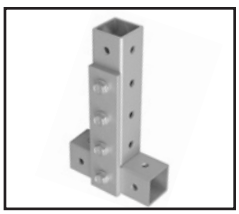
4 Hole Joining Strip

Part No.	A	B	Lbs.
4305	1.490	6.000	.215

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3960	4	5/16-18 x 2.00" Flanged Hex Bolt w/ Hex Nut
OR		
3963	4	M8 X 50mm Flanged Hex Bolt w/ Hex Nut



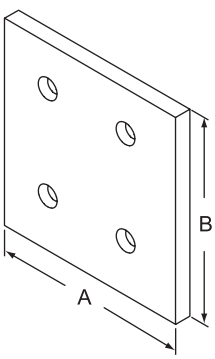


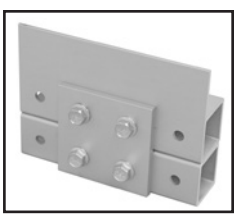
4 Hole Joining Plate

Part No.	A	B	Lbs.
4367	3.000	3.000	.210

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3960	4	5/16-18 x 2.00" Flanged Hex Bolt w/ Hex Nut
OR		
3963	4	M8 X 50mm Flanged Hex Bolt w/ Hex Nut



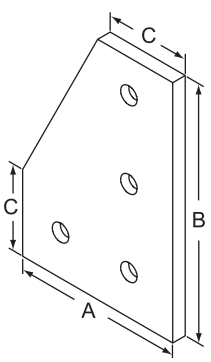


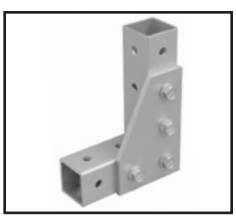
4 Hole 90° Joining Plate

Part No.	A	B	C	Lbs.
4350	3.000	4.500	1.500	.260

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3960	4	5/16-18 x 2.00" Flanged Hex Bolt w/ Hex Nut
OR		
3963	4	M8 X 50mm Flanged Hex Bolt w/ Hex Nut





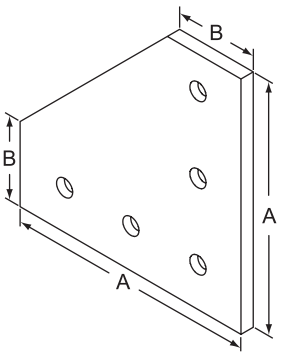
For more mounting hardware options, see page 1108.

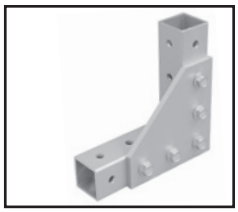
5 Hole 90° Joining Plate

Part No.	A	B	Lbs.
4351	4.500	1.500	.370

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3960	5	5/16-18 x 2.00" Flanged Hex Bolt w/ Hex Nut
OR		
3963	5	M8 X 50mm Flanged Hex Bolt w/ Hex Nut



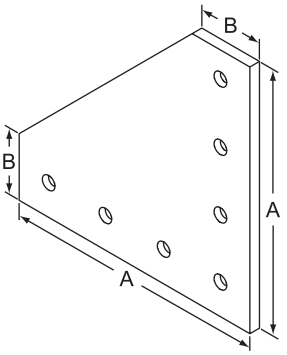


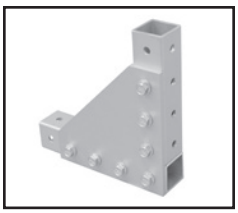
7 Hole 90° Joining Plate

Part No.	A	B	Lbs.
4352	6.000	1.500	.615

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3960	7	5/16-18 x 2.00" Flanged Hex Bolt w/ Hex Nut
OR		
3963	7	M8 X 50mm Flanged Hex Bolt w/ Hex Nut



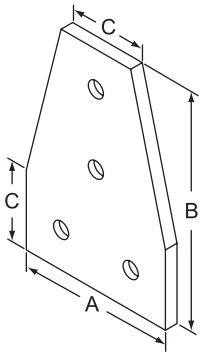


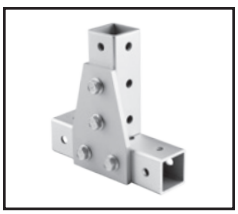
4 Hole Tee Joining Plate

Part No.	A	B	C	Lbs.
4341	3.000	4.500	1.500	.260

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3960	4	5/16-18 x 2.00" Flanged Hex Bolt w/ Hex Nut
OR		
3963	4	M8 X 50mm Flanged Hex Bolt w/ Hex Nut



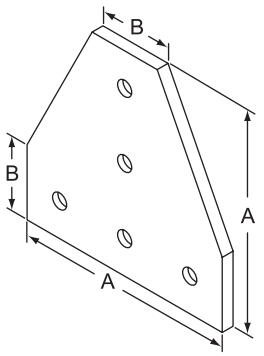


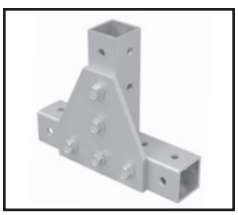
5 Hole Tee Joining Plate

Part No.	A	B	Lbs.
4340	4.500	1.500	.370

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3960	5	5/16-18 x 2.00" Flanged Hex Bolt w/ Hex Nut
OR		
3963	5	M8 X 50mm Flanged Hex Bolt w/ Hex Nut





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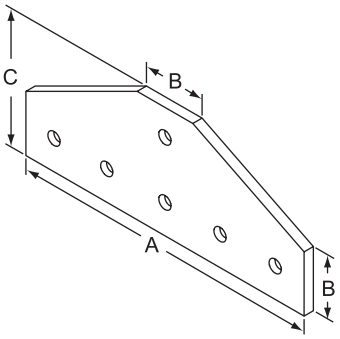
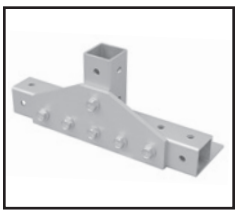
6 Hole Tee Joining Plate

Part No.	A	B	C	Lbs.
4310	7.500	1.500	3.000	.425

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3960	6	5/16-18 x 2.00" Flanged Hex Bolt w/ Hex Nut
OR		
3963	6	M8 X 50mm Flanged Hex Bolt w/ Hex Nut



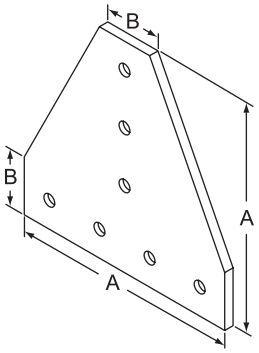


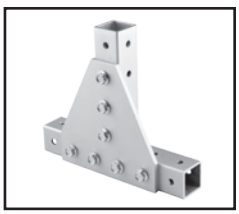
7 Hole Tee Joining Plate

Part No.	A	B	Lbs.
4312	6.000	1.500	.615

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3960	7	5/16-18 x 2.00" Flanged Hex Bolt w/ Hex Nut
OR		
3963	7	M8 X 50mm Flanged Hex Bolt w/ Hex Nut



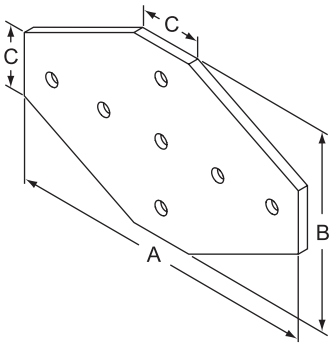


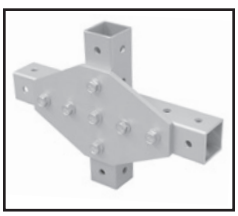
7 Hole Cross Joining Plate

Part No.	A	B	C	Lbs.
4335	7.500	4.500	1.500	.585

Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3960	7	5/16-18 x 2.00" Flanged Hex Bolt w/ Hex Nut
OR		
3963	7	M8 X 50mm Flanged Hex Bolt w/ Hex Nut





Additional Joining Plate Bolt Kits

These bolt kits are recommended for mounting joining plates onto 80/20®'s Holey Tube profiles:

Fractional Mounting Hardware:

Part No.	A	Bolt	Washer	Hex Nut
3960	5/16-18 x 2.00" Flanged Hex Bolt w/ Flanged Hex Nut	3753	—	3759
3961	5/16-18 x 2.00" Button Head w/ Washer and Flanged Hex Nut	3946	3760	3759
3962	5/16-18 x 2.00" Socket Head w/ Washer and Flanged Hex Nut	3956	3760	3759

Metric Mounting Hardware:

Part No.	A	Bolt	Washer	Hex Nut
3964	M8 x 50mm Button Head w/ Washer and Flanged Hex Nut	13-3946	3860	13-3759
3965	M8 x 50mm Socket Head w/ Washer and Flanged Hex Nut	13-3956	3860	13-3759

Section #4 Pictorial Table Of Contents

Introduction to Holey Tube Panels & Doors

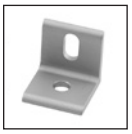
Page 1109

Aluminum Hinges

Page 1110

Holey Tube Aluminum Handles

Page 1111

Panel Mount Brackets

Page 1112

Panel Retainers

Page 1113

Double Panel Retainers

Page 1114

Mesh Panel Retainers

Page 1115

Double Mesh Panel Retainers

Page 1116

Acrylic Panels

Page 1117

AR Polycarb Panels

Page 1117

Polycarbonate Panels

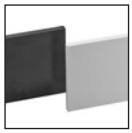
Page 1118

Recycled Polycarb Panels

Page 1118

ABS Haircell Panels

Page 1119

Impact Resistant Panels

Page 1119

Expanded PVC Panels

Page 1120

Alucobest Panels

Page 1121

Alumalite® Panels

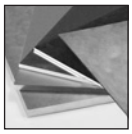
Page 1121

Twin Wall Polycarb Panels

Page 1122

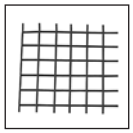
HDPE Panels

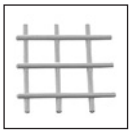
Page 1123

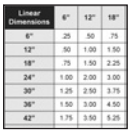
Aluminum Panels

Page 1124

Expanded Metal Panels

Page 1125

Wire Mesh Panels

Page 1126

Thermoplastic Coated Wire Mesh

Page 1127

Panel Area Chart


Linear Dimensions	6"	12"	18"
6"	.25	.50	.75
12"	.50	1.00	1.50
18"	.75	1.50	2.25
24"	1.00	2.00	3.00
30"	1.25	2.50	3.75
36"	1.50	3.00	4.50
42"	1.75	3.50	5.25

Page 1128

Holey Tube Compatibility

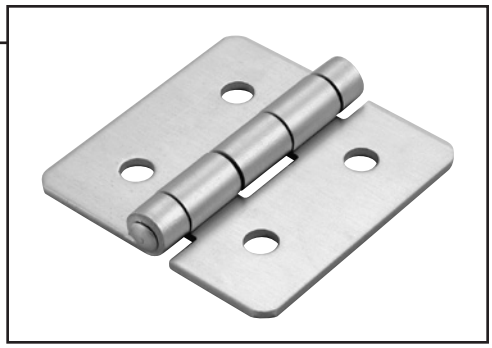
What better way to create an enclosure or integrate storage into your design while using Holey Tube products than by using an 80/20® hinge, panel mount bracket, one of our panel choices or wire mesh options? Please take the time to review everything 80/20 has to offer. It may give you more great ideas for things you can create and problems you can solve with our products!

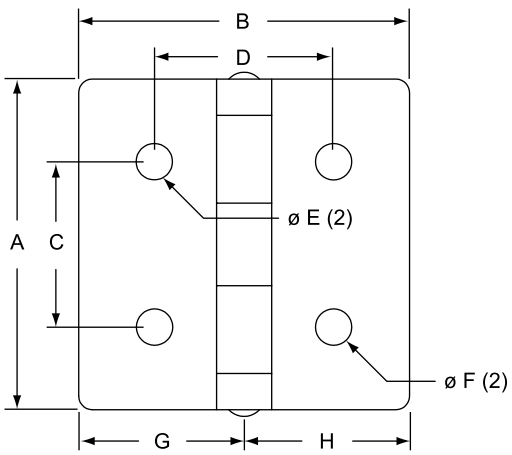
Holey Tube Advantages

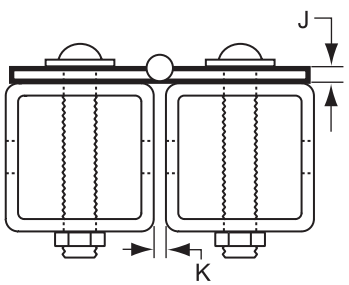
- **Create sturdy enclosures**
- **Add storage to any application**
- **Create OSHA-compliant guarding and enclosures**

Aluminum Hinge

- Holey Tube compatible
- Clear anodize finish
- Holey Tube maximum load capacity is 70 lbs
- Mount heavier doors or even two profiles side by side







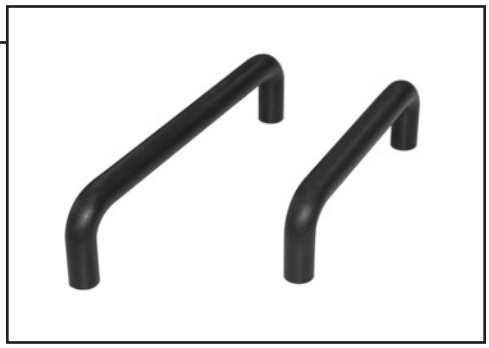
Recommended Mounting Hardware:

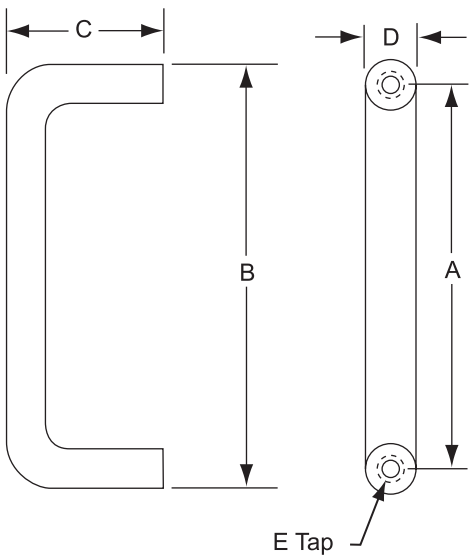
Part No.	Qty	Description
3961	4	5/16-18 x 2.00" BHSCS w/Washer & Flg. Hex Nut
OR		
3964	4	M8 x 50mm BHSCS w/Washer & Flg. Hex Nut

Part No.	A	B	C	D	E	F	G	H	J	K	Capacity	Lbs.
2085	3.000	3.000	1.500	1.625	.328 (2)	.328 (2)	1.500	1.500	.125	.125	70 Lbs.	.170

1/2“ Round Aluminum Handles

- This Holey Tube compatible part is available in two sizes
- Rigid design from drawn aluminum creates a smooth shape and durable finish
- Black anodized finish





Recommended Mounting Hardware:

Part No.	Qty	Description
3753	2	5/16-18 x 2.00” Flanged Hex Head Bolt

Part No.	A	B	C	D	E	Finish	Lbs.
2888	4.500	5.000	1.500	.500	5/16-18 Tap x .5” Deep	Black	.118
2889	6.000	6.500	1.500	.500	5/16-18 Tap x .5” Deep	Black	.146

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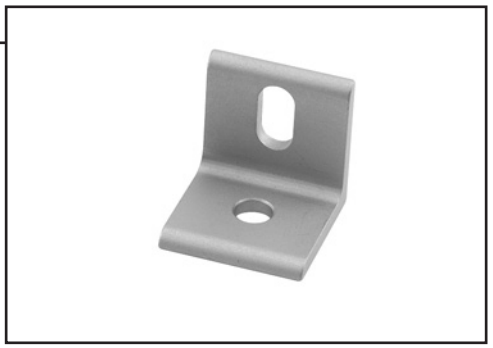
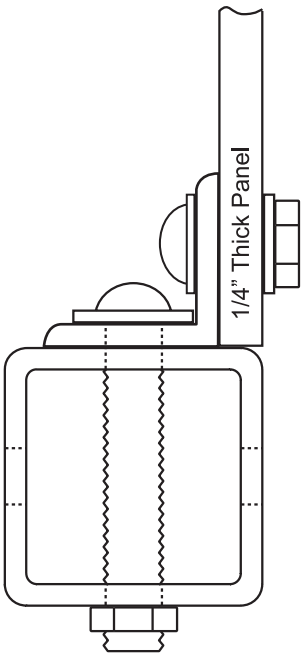
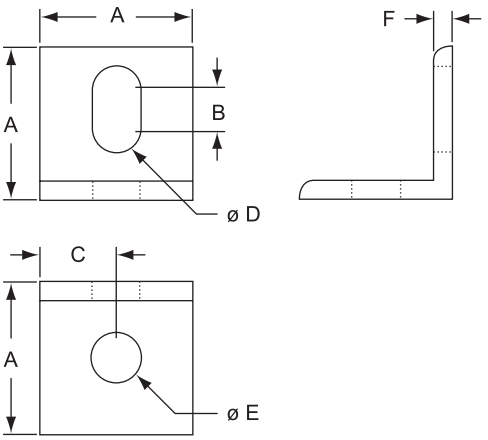
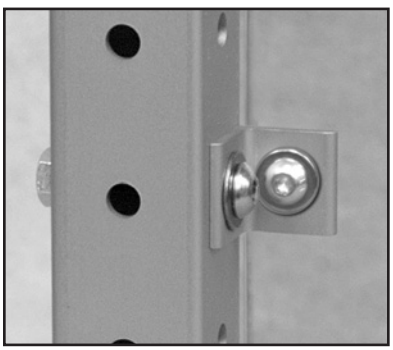
Panel Mount Bracket



- **Holey Tube compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Mounts 1/4” panels flush**
- **Slotted hole makes panel alignment easy**
- **Economical panel mounting method**
- **See pages 1117-1123 for panel options**







Recommended Fractional Mounting Hardware:

Part No.	Qty	Description
3961	1	5/16-18 x 2.00” BHSCS w/Washer & Flg. Hex Nut
AND		
3463	1	5/16-18 x 5/8” FBHSCS w/Hex Nut

Recommended Metric Mounting Hardware:

Part No.	Qty	Description
3964	1	M8 x 50mm BHSCS w/Washer & Flg. Hex Nut
AND		
75-3471	1	M8 x 16mm BHSCS w/ Washer & Hex Nut

Part No.	A	B	C	D	E	F	Lbs.
2430	1.000	.250	.500	.328	.328	.125	.020

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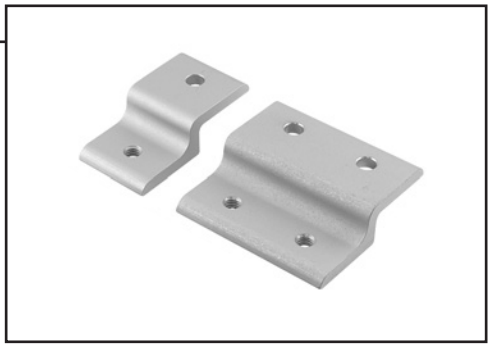
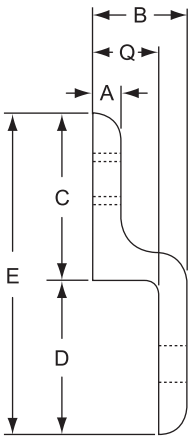
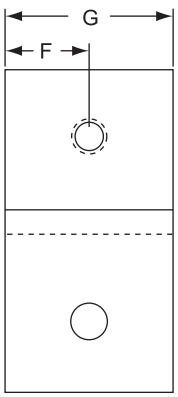
Single Panel Retainers

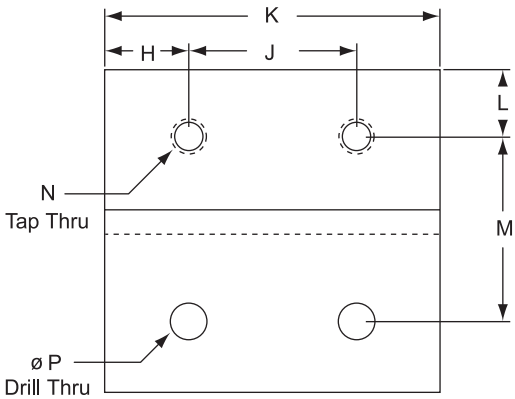
- **Holey Tube compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Strongest way to cost-effectively retain plastic panels in a frame**
- **Simplifies panel installation and removal**
- **Requires a drill thru hole in the panel that lines up with retainer's tapped hole(s), see page 1161**



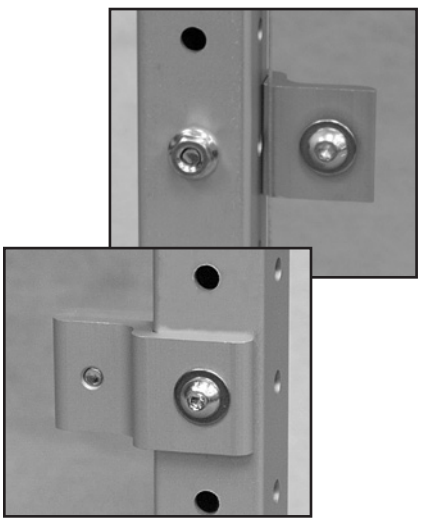




2434



2433



2434 Recommended Fractional or Metric Mounting Hardware:

Part No.	Qty	Description
3960	1	5/16-18 x 2.00" Flg. Hex Head Bolt & Flg. Hex Nut
OR		
3963	1	M8 x 50mm Flg. Hex Head Bolt & M8-1.25 Flg. Hex Nut

2433 Recommended Fractional or Metric Mounting Hardware:

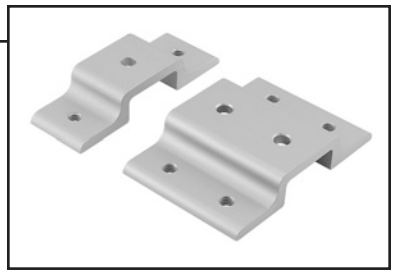
Part No.	Qty	Description
3960	2	5/16-18 x 2.00" Flg. Hex Head Bolt & Flg. Hex Nut
OR		
3963	2	M8 x 50mm Flg. Hex Head Bolt & M8-1.25 Flg. Hex Nut

Recommended Mounting Hardware to Panel:

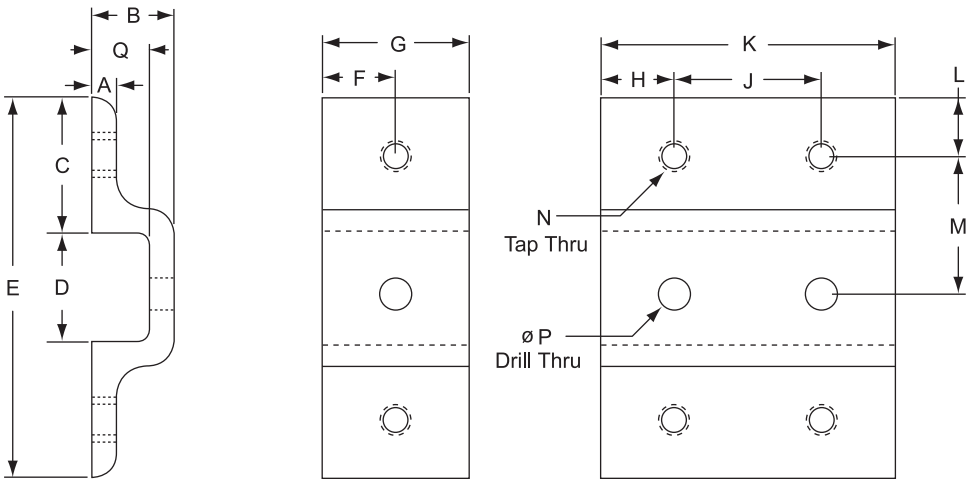
Part No.	2434	2433
3340	(1)	(2)

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	Lbs.
2434	.250	.840	1.500	1.379	2.879	.750	1.500	–	–	–	.594	1.656	5/16-18	.328	.590	.120
2433	.250	.840	1.500	1.379	2.879	–	–	.750	1.500	3.000	.594	1.656	5/16-18	.328	.590	.240

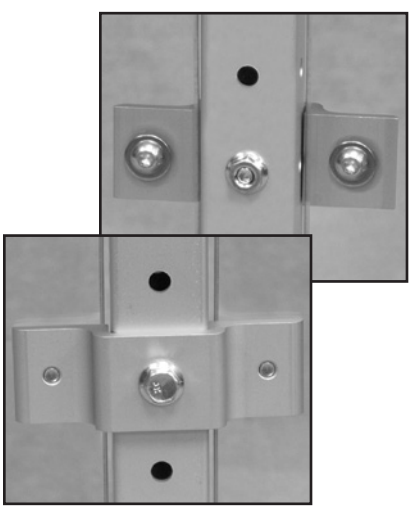
Double Panel Retainers



- Holey Tube compatible
- Made of 6105-T5 clear anodized aluminum
- Strongest way to cost-effectively retain two plastic panels separated by a profile
- Simplifies panel installation and removal
- Requires a drill thru hole in the panel that lines up with retainer's tapped hole(s), see page 1162



2515 2516



2515 Recommended Fractional or Metric Mounting Hardware:

Part No.	Qty	Description
3960	1	5/16-18 x 2.00" Flg. Hex Head Bolt & Flg. Hex Nut
OR		
3963	1	M8 x 50mm Flg. Hex Head Bolt & M8-1.25 Flg. Hex Nut

2516 Recommended Fractional or Metric Mounting Hardware:

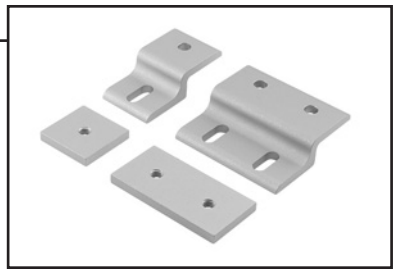
Part No.	Qty	Description
3960	2	5/16-18 x 2.00" Flg. Hex Head Bolt & Flg. Hex Nut
OR		
3963	2	M8 x 50mm Flg. Hex Head Bolt & M8-1.25 Flg. Hex Nut

Recommended Mounting Hardware to Panel:

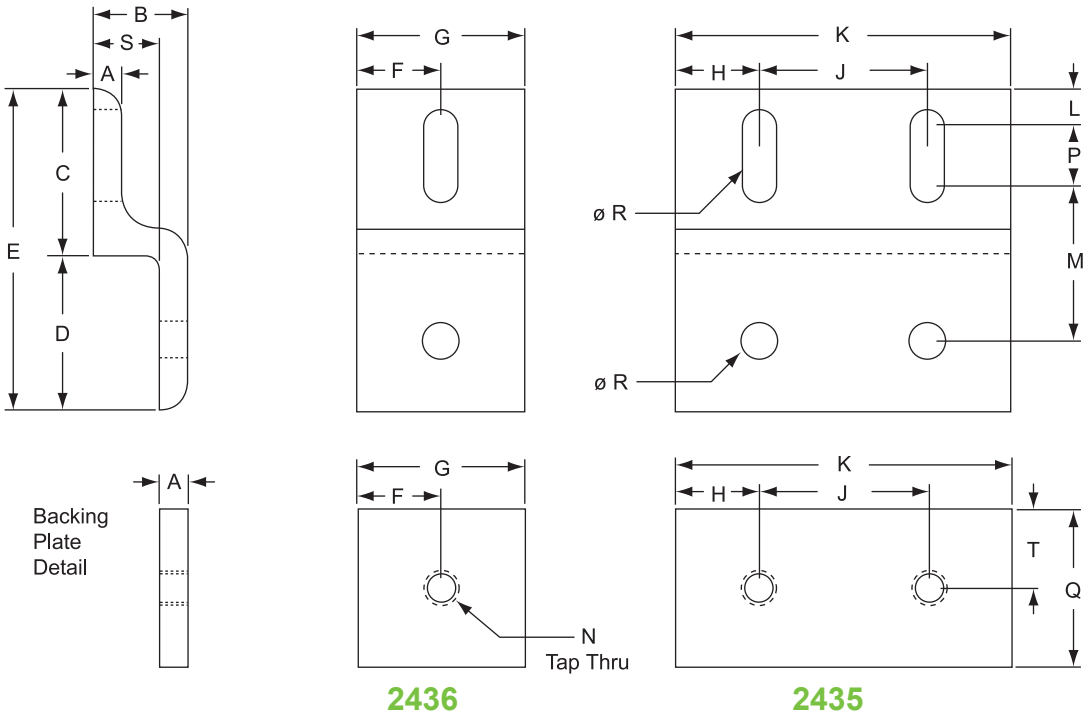
Part No.	2515	2516
3340	(2)	(4)

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	Lbs.
2515	.250	.840	1.500	1.523	4.520	.750	1.500	–	–	–	.594	1.666	5/16-18	.328	.590	.195
2516	.250	.840	1.500	1.523	4.520	–	–	.750	1.500	3.000	.594	1.666	5/16-18	.328	.590	.390

Single Mesh Panel Retainers



- **Holey Tube compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Strongest way to cost-effectively retain wire mesh or expanded steel panels**
- **Simplifies panel installation and removal**
- **Panel is secured when tightened between retainer and its threaded backing plate**



2436 **2435**

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	Lbs.
2436	.250	.840	1.500	1.379	2.879	.750	1.500	–	–	–	.344	1.406	5/16-18	.500	1.500	.328	.590	.750	.175
2435	.250	.840	1.500	1.379	2.879	–	–	.750	1.500	3.000	.344	1.406	5/16-18	.500	1.500	.328	.590	.750	.350

Part No.	Lbs.	Size	Description
2432	.120	1.500	Mesh Retainer
2431	.240	3.000	Mesh Retainer
2436	.175	1.500	Mesh Retainer w/ Backing Plate
2435	.350	3.000	Mesh Retainer w/ Dbl Backing Plate
2438	.055	1.500	Backing Plate
2437	.110	3.000	Dbl Backing Plate

2436 Recommended Mounting Hardware (Mount to Profile):

Part No.	Qty	Description
3960	1	5/16-18 x 2.00" Flanged Hex Head Bolt & Hex Nut
OR		
3963	1	M5 x 50mm Flanged Hex Head Bolt & Hex Nut

2432, 2431, 2438, 2437
Recommended Mounting Hardware (Mount 12 Guage Wire):

Part No.	Quantity for 2436	Quantity for 2435	Description
3114	1	2	5/16-18 x .75 BHSCS

2435 Recommended Mounting Hardware (Mount to Profile):

Part No.	Qty	Description
3960	2	5/16-18 x 2.00" Flanged Hex Head Bolt
OR		
3963	2	M5 x 50mm Flanged Hex Head Bolt & Hex Nut

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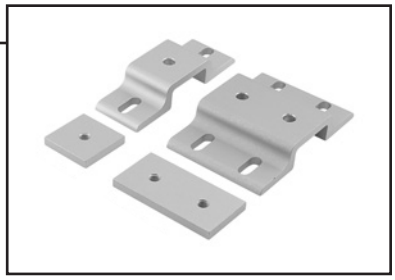
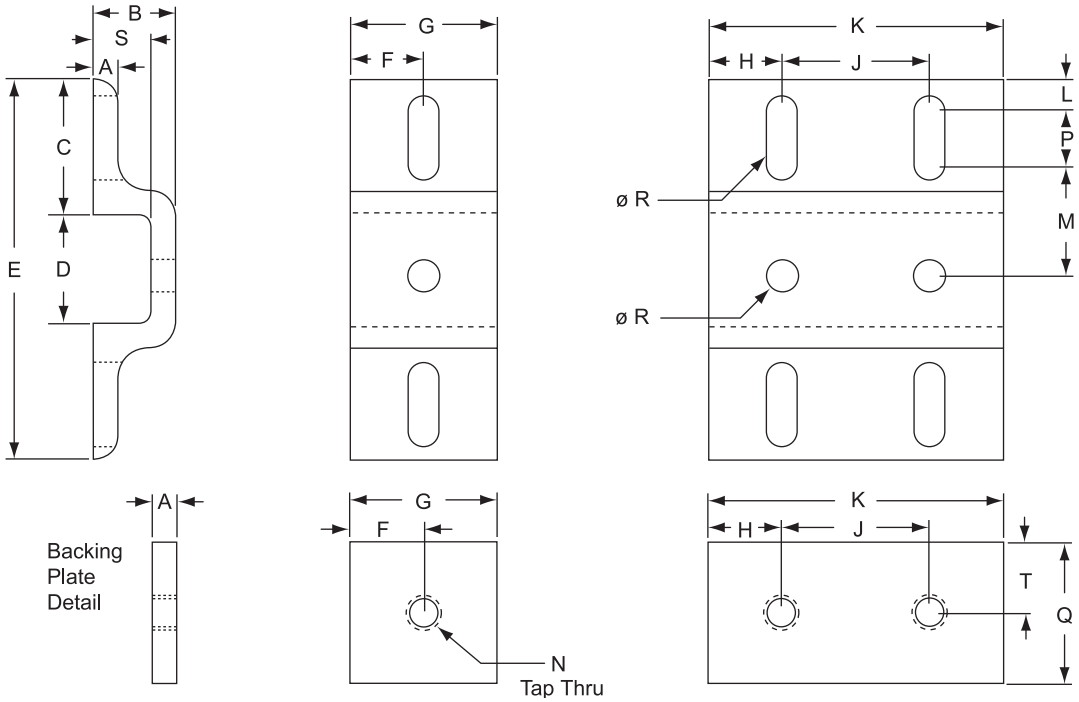
Double Mesh Panel Retainers



- **Holey Tube compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Strongest way to cost-effectively retain two wire panels separated by a profile**
- **Simplifies panel installation and removal**
- **Panel is secured when tightened between retainer and its threaded backing plate**



Part No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	Lbs.
2517	.250	.840	1.500	1.523	4.520	.750	1.500	–	–	–	.344	1.416	5/16-18	.500	1.500	.328	.590	.750	.195
2519	.250	.840	1.500	1.523	4.520	–	–	.750	1.500	3.000	.344	1.416	5/16-18	.500	1.500	.328	.590	.750	.390

Part No.	Lbs.	Size	Description
2517	.195	1.500	Double Mesh Retainer
2519	.390	3.000	Double Mesh Retainer
2518	.250	1.500	Double Mesh Retainer w/ Backing Plate
2520	.500	3.000	Double Mesh Retainer w/ Dbl Backing Plate
2438	.055	1.500	Double Backing Plate
2437	.110	3.000	Double Dbl Backing Plate

2517 Recommended Mounting Hardware (Mount to Profile):

Part No.	Qty	Description
3960	1	5/16-18 x 2.00" Flanged Hex Head Bolt & Hex Nut
OR		
3963	1	M5 x 50mm Flanged Hex Head Bolt & Hex Nut

2518, 2520, 2438, 2437
Recommended Mounting Hardware (Mount 12 Guage Wire):

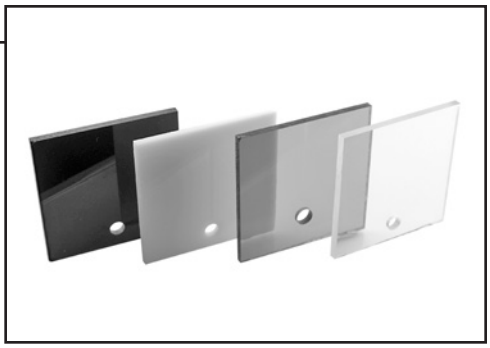
Part No.	Quantity for 2517	Quantity for 2519	Description
3114	2	4	5/16-18 x .75 BHSCS

2519 Recommended Mounting Hardware (Mount to Profile):

Part No.	Qty	Description
3960	2	5/16-18 x 2.00" Flanged Hex Head Bolt
OR		
3963	2	M5 x 50mm Flanged Hex Head Bolt & Hex Nut

Acrylic Panels

- **Cost-effective panel alternative**
- **High optical clarity**
- **Resistant to weather elements**
- **Stable up to 180º**
- **Cut plastic panels to size with 7150 or 7155 services on page 1159 (for .375 and .500 thick panels, use 7151 or 7153 services)**



Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2601	Clear	.220 - .236"	1.450	48" x 96" + .250/-0
2602	Clear	.177"	.840	48" x 96" + .250/-0
2603	White	.220 - .236"	1.450	48" x 96" + .250/-0
2604	White	.177"	.840	48" x 96" + .250/-0
2605	Black	.220 - .236"	1.450	48" x 96" + .250/-0
2606	Black	.177"	.840	48" x 96" + .250/-0
2607	Bronze	.220 - .236"	1.450	48" x 96" + .250/-0
2608	Bronze	.177"	.840	48" x 96" + .250/-0

Acrylic panels are a cost-effective alternative to polycarbonate. While less impact-resistant, acrylic is lighter in weight and available in more colors. Acrylic is great in applications where optical clarity and resistance to the elements are important. Only half as heavy as glass and only 40% as heavy as aluminum, acrylic is also easy to cut, drill, rout and paint. Use acrylic for applications such as displays, signs, furniture, low-impact guarding and partitions.

AR Polycarbonate Panels

- **Abrasion-resistant coating**
- **High impact resistance**
- **Stable up to 240º**
- **Good visual transparency**
- **Cut plastic panels to size with 7150 or 7155 services on page 1159**
- **See pages 1159-1164 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2641	Clear	.177"	1.150	48" x 96" + .250/-0
2642	Clear	.220 - .236"	1.500	48" x 96" + .250/-0

Abrasion Resistant Polycarbonate is a standard polycarbonate panel with an abrasion-resistant coating. This hard coat surface gives a durable, impact-resistant polycarbonate panel the wearability of an acrylic sheet. AR Polycarbonate can be used to maintain a clear view of an enclosed operation on machine guards and other safety applications in high traffic areas.

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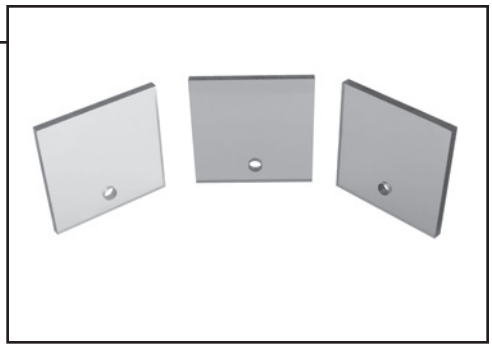
Polycarbonate Panels



- **Easily machinable**
- **Good optical clarity**
- **High impact resistance**
- **Stable up to 240º**
- **Now available in .118", .375" and .500" thickness**
- **Cut plastic panels to size with 7150 or 7155 services on page 1159**
- **See pages 1159-1164 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2643	Clear	.118"	.737	48" x 96" + .250/-0
2610	Clear	.177"	1.150	48" x 96" + .250/-0
2609 *	Clear	.220 - .236"	1.500	48" x 96" + .250/-0
				60" x 96" + .250/-0
2644	Clear	.375"	2.340	48" x 96" + .250/-0
2645	Clear	.500"	3.120	48" x 96" + .250/-0
2612	Bronze	.177"	1.150	48" x 96" + .250/-0
2611	Bronze	.220 - .236"	1.500	48" x 96" + .250/-0
2630	Gray	.177"	1.150	48" x 96" + .250/-0
2629	Gray	.220 - .236"	1.500	48" x 96" + .250/-0

*** Specify sheet size when ordering**

Polycarbonate is a high performance industrial application panel. Easily machined with standard hand tools, the high impact resistance offered by polycarbonate prevents cracking, chipping or breaking when cutting or drilling panels.

Recycled Polycarbonate Panels

- **Same machinability and impact resistance as our standard "virgin" polycarbonate panels**
- **Made from less costly, recycled material ***
- **Stable up to 240°**

* When compared to our standard "virgin" polycarbonate panels, recycled material may appear slightly tinted

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2647	Clear	.177"	1.150	48" x 96" + .250/-0
2646	Clear	.220 - .236"	1.500	48" x 96" + .250/-0

ABS Haircell Panels

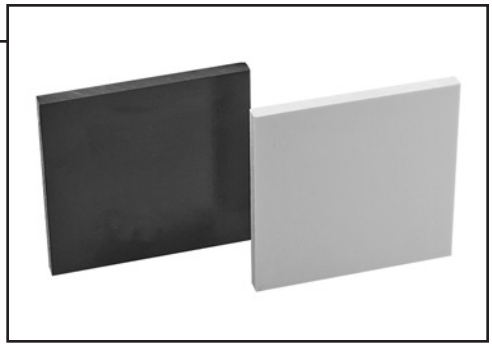
- **Lightweight**
- **Textured side hides marks and scratches**
- **Cost-effective**
- **Stable up to 180º**
- **Cut plastic panels to size with 7150 or 7155 services on page 1159**
- **See pages 1159-1164 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2613	Black	.236"	1.700	54" + .250/-0 x 103" + .625/-0
2614	Black	.177"	1.000	48" + .250/-0 x 96" + .500/-0

ABS Haircell is a great cost-effective alternative to acrylic and polycarbonate. ABS Haircell has a unique textured side, which hides scratches and other marks while offering greater impact resistance than acrylic panels. Easily machined, ABS Haircell is a general purpose sheet that is well suited to almost any application, including furniture, workstations, displays, guarding and partitions.

Kydex® Panels

- **Impact-resistant panel**
- **Fire rated UL 94 V-O**
- **Textured finish on front of panel hides marks and scratches**
- **Available in black or yellow**
- **Stable up to 160º**



Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2660	Black	.187"	1.150	48" x 96" + .375/-0
2661	Black	.250"	1.500	48" x 96" + .375/-0
2662	Yellow	.187"	1.150	48" x 96" + .375/-0
2663	Yellow	.250"	1.500	48" x 96" + .375/-0

This impact-resistant sheet features a colored cap with a similarly colored substrate. Textured on one side, this fire-retardant panel combines an aesthetic appearance with long service life.

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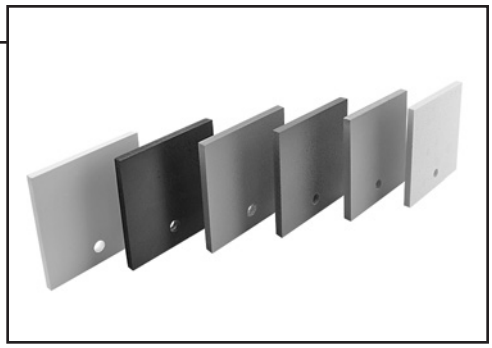
Expanded PVC Panels

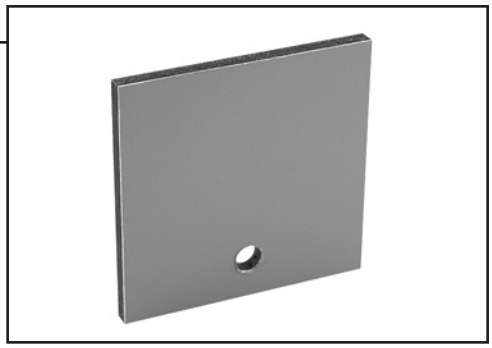


- **Low cost and lightweight**
- **Decorative applications can be designed using several of our available colors**
- **Stable up to 140º**
- **Good chemical resistance**
- **Cut plastic panels to size with 7150 or 7155 services on page 1159**
- **See pages 1159-1164 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2615	White	.236”	.900	48” + .197/-0 x 96” + .394/-0
2616	White	.118”	.500	48” + .197/-0 x 96” + .394/-0
2617	Black	.236”	.900	48” + .197/-0 x 96” + .394/-0
2618	Black	.118”	.500	48” + .197/-0 x 96” + .394/-0
2619	Red	.236”	.900	48” + .197/-0 x 96” + .394/-0
2620	Red	.118”	.500	48” + .197/-0 x 96” + .394/-0
2621	Blue	.236”	.900	48” + .197/-0 x 96” + .394/-0
2622	Blue	.118”	.500	48” + .197/-0 x 96” + .394/-0
2623	Gray	.236”	.900	48” + .197/-0 x 96” + .394/-0
2624	Gray	.118”	.500	48” + .197/-0 x 96” + .394/-0
2631	Yellow	.236”	.900	48” + .197/-0 x 96” + .394/-0
2632	Yellow	.118”	.500	48” + .197/-0 x 96” + .394/-0

Expanded PVC panels, available in 6 colors, are a low cost alternative to Acrylic and Polycarbonate panels. Expanded PVC panels are very weather-resistant and easily machined. The light impact resistance limits the usage of Expanded PVC panels to light-duty applications where contact is a minimum. Expanded PVC works great as signage, displays or exhibit panels.

Alucobest Panels

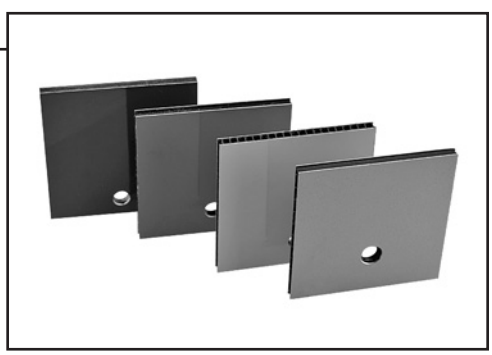


- **Half the weight of solid aluminum, making machining easy**
- **Smooth metallic finish is impact-resistant**
- **Alucobest is durable and resistant to weather and elements**
- **Stable up to 175º**
- **Cut plastic panels to size with 7150 or 7155 services on page 1159**
- **See pages 1159-1164 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2650	Platinum	.236"	1.490	50" x 122" +/- .079

An aluminum composite material composed of two .020" aluminum skins bonded to a polyethylene core, Alucobest has a smooth metallic finish similar to that of a solid aluminum panel, with only half the weight. Offering good impact resistance, Alucobest also resists buckling and warping and is easily machined. When you need a strong, solid panel for guarding, enclosures, or workstations in place of a solid aluminum sheet, Alucobest is the answer.

Alumalite® Panels



- **Lightweight composite panel**
- **Smooth, glossy, painted finish**
- **Water-resistant core**
- **Stable up to 120º**
- **Cut plastic panels to size with 7150 or 7155 services on page 1159**
- **See pages 1159-1164 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2633	Blue	.236"	.625	48" x 96" +/- .250
2634	Red	.236"	.625	48" x 96" +/- .250
2635	Silver	.236"	.625	48" x 96" +/- .250
2636	Yellow	.236"	.625	48" x 96" +/- .250
2637	Black	.236"	.625	48" x 96" +/- .250

NEW!

Alumalite®, a strong aluminum composite panel with a corrugated polyallomer core between two .016" aluminum skins, is a perfect choice for applications that require a lightweight, aesthetic looking panel. The CPA core provides Alumalite® weather-resistant properties that make this panel appropriate for indoor or outdoor applications including furniture, signs, displays, workstations and machine guarding.

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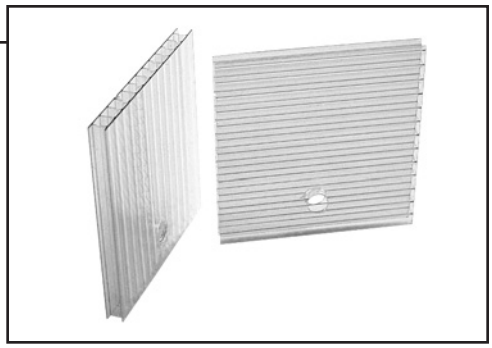
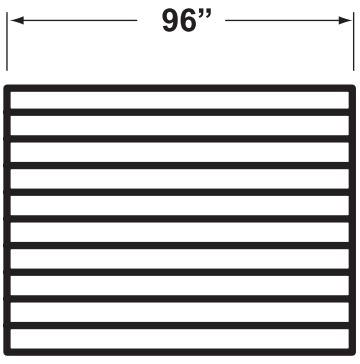
Twin Wall Polycarbonate Panels



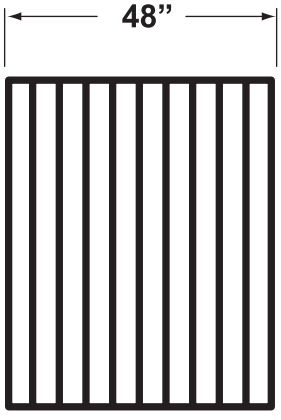
- **Lightweight**
- **90% light transmission**
- **Resistant to weather and elements**
- **Twin walls**
- **Cut plastic panels to size with 7150 or 7155 services on page 1159**
- **See pages 1159-1164 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2640	Clear	.236”	.266	48” +.157/-0 x 96” +.197/-0

Twin Wall Polycarbonate provides an excellent solution for a wide range of lightweight guarding, partition, and enclosure needs. At one-sixth the weight of a solid polycarbonate panel, Twin Wall Polycarbonate is quick and easy to work with.



Horizontal Orientation

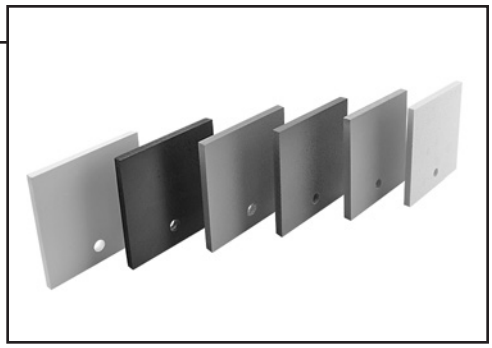


Vertical Orientation

Always specify the required direction for the channel orientation when ordering Twin Wall Polycarbonate panels.

HDPE Panels

- **Cost-effective, decorative panel available in six colors**
- **Haircell-type texture on both sides**
- **More impact-resistant than expanded PVC panels**
- **Very good chemical resistance**



Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2651	Black	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2652	Black	.177"	.900	48" +.250/-0 x 96" +.500/-0
2653	White	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2654	White	.177"	.900	48" +.250/-0 x 96" +.500/-0
2655	Gray	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2656	Gray	.177"	.900	48" +.250/-0 x 96" +.500/-0
2657	Yellow	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2658	Yellow	.177"	.900	48" +.250/-0 x 96" +.500/-0
2666	Blue	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2667	Blue	.177"	.900	48" +.250/-0 x 96" +.500/-0
2668	Red	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2669	Red	.177"	.900	48" +.250/-0 x 96" +.500/-0

HDPE panels, available in six colors, are a great alternative to Expanded PVC panels. HDPE panels are weather-resistant and have excellent machining characteristics. With two textured sides, this panel is a great option in areas where both sides of the panel are exposed. HDPE has a high coefficient of thermal expansion. Allow panels to expand and contract by using oversized mounting holes, and not captivating the panel tightly in the T-slot.

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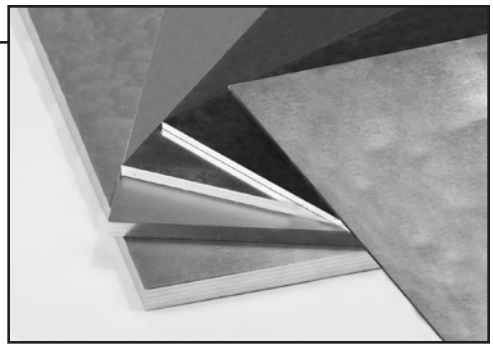
Solid Aluminum Plate

- **Unanodized mill finish**
- **6061-T6 alloy**
- **Anodized parts quoted on request (CM)**
- **See page 608 for mill finish sanding service**
- **See page 608 for aluminum panel machining services**

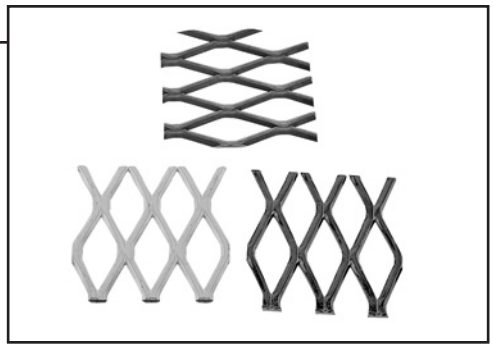


Part No.	Material	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2452	Aluminum Plate	.060”	.889	48” +/- .125 x 144” +/- .156
2453	Aluminum Plate	.125”	1.764	48” +/- .125 x 144” +/- .156
2454	Aluminum Plate	.187”	2.680	48” +/- .125 x 144” +/- .156
2455	Aluminum Plate	.250”	3.700	48” +/- .125 x 144” +/- .156
2456	Aluminum Plate	.375”	5.550	48” +/- .125 x 144” +/- .156
2457	Aluminum Plate	NEW! .500”	7.400	48.5” +/- .375 x 96.5” +/- .500

80/20® now offers solid aluminum, mill finish plate in six thicknesses. These aluminum sheets can be anodized and machined to meet your needs.

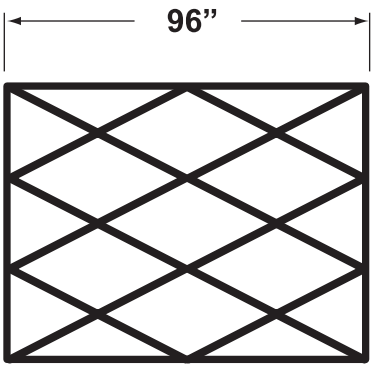
Expanded Metal Panels

- **Heavy-duty panel**
- **Powder coat or carbon steel finish**
- **Stronger than welded wire cloth**
- **Impact resistant**
- **Shear expanded metal panels to size with 7095 or 7100 services on page 1159**

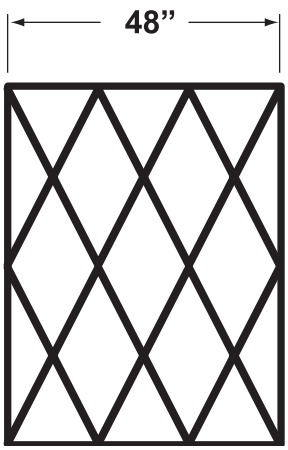


Part No.	Material	Type	Thickness	Lbs. / Sq. Ft.	Dimensions	Stock Sheet Size
2480	Carbon Steel	Flattened	.135”	1.720	Diamond 2” x .9”	48” x 96” +/- .250
2481	Powder Coated Black	Flattened	.140”	1.720	Diamond 2” x .9”	48” x 96” +/- .250
2482	Powder Coated Yellow	Flattened	.140”	1.720	Diamond 2” x .9”	48” x 96” +/- .250

80/20®'s Expanded Metal Panels are the perfect choice for any heavy-duty guarding application. Available in a standard carbon steel finish, Expanded Metal is also stocked with a black or yellow powder coated finish. Expanded Metal surpasses wire mesh in strength and durability.



Horizontal Orientation



Always specify the required direction for the diamond orientation when ordering Expanded Metal Panels.

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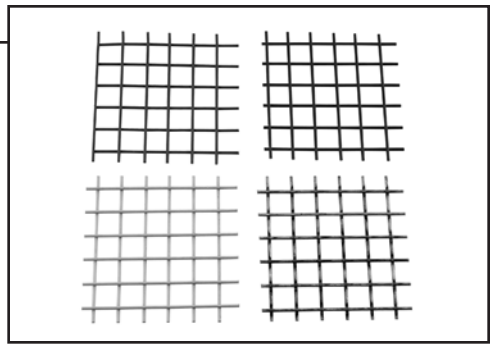
Wire Mesh Panels

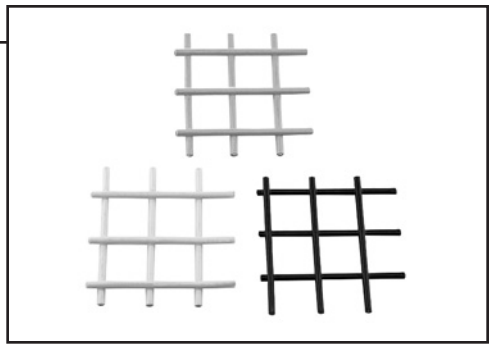
- **Great for guarding applications**
- **Low-cost alternative to expanded metal panels**
- **Lightweight yet impact resistant**
- **Powder coat or carbon steel finish**
- **Shear wire mesh panels to size with 7095 or 7100 services on page 1159**



Part No.	Material	Wire Gauge	Thickness	Lbs. / Sq. Ft.	Dimensions	Stock Sheet Size
2470	Galvanized Steel	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2460	Galvanized Steel	16	.137"	.510	Square .50" x .50"	48" x 96" +/- .50"
2468	Powder Coated Blue	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2463	Powder Coated Blue	16	.137"	.580	Square .50" x .50"	48" x 96" +/- .50"
2467	Powder Coated Red	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2462	Powder Coated Red	16	.137"	.580	Square .50" x .50"	48" x 96" +/- .50"
2471	Powder Coated Yellow	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2461	Powder Coated Yellow	16	.137"	.580	Square .50" x .50"	48" x 96" +/- .50"
2479	Powder Coated Black	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2464	Powder Coated Black	16	.137"	.580	Square .50" x .50"	48" x 96" +/- .50"

Welded Wire Mesh Panels are a great low-cost alternative to expanded metal panels. While not as strong as expanded metal, their light weight makes working with Wire Mesh Panels quick and easy. Available in carbon steel and four powder coat colors, these Wire Mesh Panels work well for guarding and enclosure applications.

Thermoplastic Coated Wire Mesh Panels



- **Widely used in guarding and enclosure applications**
- **Strong yet lightweight**
- **Low wear value, won't flake or chip**
- **Light impact and corrosion resistant**
- **Thermoplastic coating is FDA-compliant and easy to clean**
- **Shear wire mesh panels to size with 7095 or 7100 services on page 1159**

Part No.	Material	Wire Gauge	Thickness	Lbs. / Sq. Ft.	Dimensions	Stock Sheet Size
2472	Thermoplastic Coated Carbon Steel Black	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2474	Thermoplastic Coated Carbon Steel Black	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"
2478	Thermoplastic Coated Carbon Steel Black	12	.210"	1.300	Square 2" x 2"	48" x 96" +/- .50"
2473	Thermoplastic Coated Carbon Steel Yellow	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2475	Thermoplastic Coated Carbon Steel Yellow	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"
2477	Thermoplastic Coated Carbon Steel Grey	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2476	Thermoplastic Coated Carbon Steel Grey	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"

Thermoplastic Coated Wire Mesh is a low-cost alternative to powder coated wire and expanded metal. Available in three colors, the thermoplastic coating creates a clean look for your application and prevents cuts and other injuries. Thermoplastic Coated Wire Mesh Panels are great for use in guarding, enclosure and machine frame applications.

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Panel Area Calculation Chart

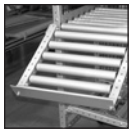
Directions for area calculation:

- **Round both length and width dimensions of the panel up to the next 6" increment.**
- **Find the length and width along the top and left side of area calculation chart.**
- **Find the area in square feet at the intersection of the length and width dimensions.**

Linear Dimensions	6”	12”	18”	24”	30”	36”	42”	48”	54”	60”
6”	.25	.50	.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50
12”	.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00
18”	.75	1.50	2.25	3.00	3.75	4.50	5.25	6.00	6.75	7.50
24”	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00
30”	1.25	2.50	3.75	5.00	6.25	7.50	8.75	10.00	11.25	12.50
36”	1.50	3.00	4.50	6.00	7.50	9.00	10.50	12.00	13.50	15.00
42”	1.75	3.50	5.25	7.00	8.75	10.50	12.25	14.00	15.75	17.50
48”	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00
54”	2.25	4.50	6.75	9.00	11.25	13.50	15.75	18.00	20.25	22.50
60”	2.50	5.00	7.50	10.00	12.50	15.00	17.50	20.00	22.50	25.00
66”	2.75	5.50	8.25	11.00	13.75	16.50	19.25	22.00	24.75	27.50
72”	3.00	6.00	9.00	12.00	15.00	18.00	21.00	24.00	27.00	30.00
78”	3.25	6.50	9.75	13.00	16.25	19.50	22.75	26.00	29.25	32.50
84”	3.50	7.00	10.50	14.00	17.50	21.00	24.50	28.00	31.50	35.00
90”	3.75	7.50	11.25	15.00	18.75	22.50	26.25	30.00	33.75	37.50
96”	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00	36.00	40.00
102”	4.25	8.50	12.75	17.00	21.25	25.50	29.75	34.00	38.25	42.50
108”	4.50	9.00	13.50	18.00	22.50	27.00	31.50	36.00	40.50	45.00
114”	4.75	9.50	14.25	19.00	23.75	28.50	33.25	38.00	42.75	47.50
120”	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00

Section #5 Pictorial Table Of Contents

Introduction to Holey Tube Accessories

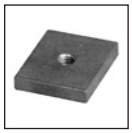


Page 1130

End Caps

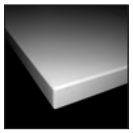
Page 1130

Anti-Rotation Plates



Page 1131

Laminated Tabletops



Page 1132

Tabletop Fasteners

Page 1132

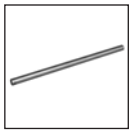
AkroBins®

Page 1133

Gravity Rollers

Page 1134

Connector Rods

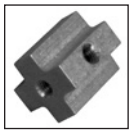


Page 1135

P-Tube Stopper

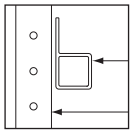
Page 1136

Conveyor Tube Inserts



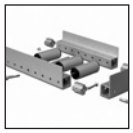
Page 1137

Building with Holey Tube



Pages 1138-1139

Gravity Roller Assembly Steps



Pages 1140-1142

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Introduction to Holey Tube Accessories

Do you want to create a flow rack or feed system, or add hanging AkroBins® to your application? If so, you're in the right place! The Holey Tube accessory section has everything you need to add these functions to your application and more!

Holey Tube Advantages

- **Create carts or workstations with 80/20®'s tabletops**
- **Easy-to-install rollers create flow racks or feed systems for any job**
- **AkroBins® keep work surfaces neat and tidy**
- **Call us for suggestions of how to create your own flow racks systems—our design assistance is always FREE!**

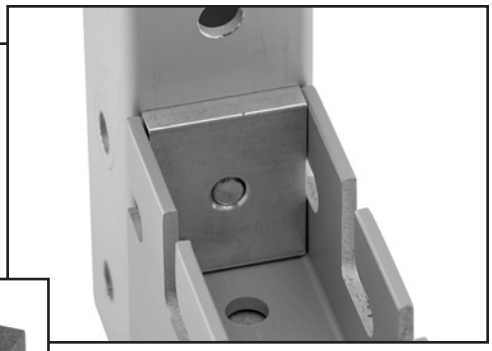
End Caps

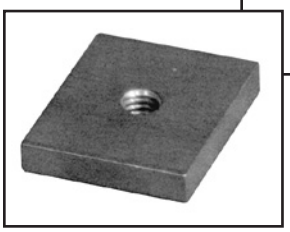
- **Can be used with all Holey Tube profiles**
- **Gives your project the finishing touch**
- **Available with printed 80/20 logo or plain**
- **Made of molded polypropylene**

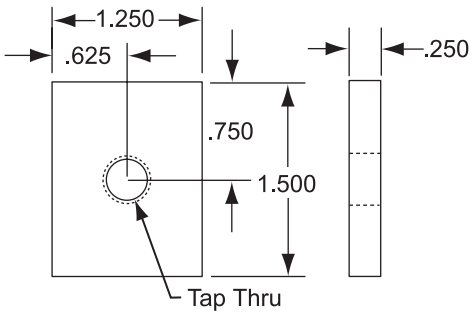
Part No.	Description	Lbs.
9755	1.5" Square Tube End Cap - Printed 80/20	.016
9755-Plain	1.5" Square Tube End Cap - Plain	.016

Anti-Rotation Plate

- For use with flanged Holey Tube profiles
- 5/16-18 or M8 x 1.25" tap thru for mounting
- Prevents profiles with offset loads from twisting
- Made of 6105-T5 anodized aluminum







Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
3752	1	5/16-18 x 1.75" Flanged Hex Bolt
OR		
13-3752	1	M8 X 45mm Flanged Hex Bolt

For more mounting hardware options, see page 1108.

Part No.	Description	Lbs.
4625	5/16-18 Anti-Rotation Plate	.046
4626	M8 x 1.25 Anti-Rotation Plate	.046

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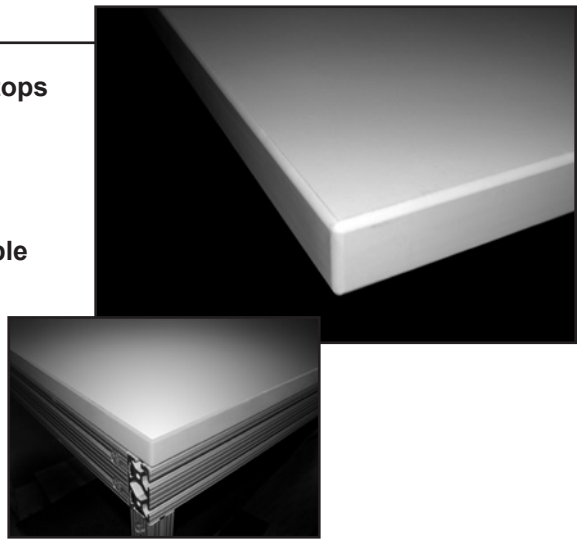
Laminated Table Tops

- **Quality 1.25" high-pressure laminate table tops**
- **Perfect choice for completing your custom workstation**
- **Available in gray color**
- **1/8” PVC bumper edge coordinates with table color**



Gray	Size	Lbs.
2800	1.25” x 30” x 48”	50.000
2802	1.25” x 30” x 60”	63.000
2804	1.25” x 30” x 72”	75.000
2806	1.25” x 36” x 72”	90.000

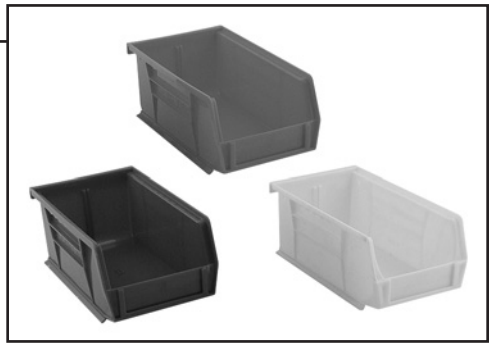
Holey Tube Table Top Fastening Kit

- **Fastening kit includes:**
  - **1 - 4295 - 15 Series slotted inside corner bracket**
  - **1 - 3760 - 5/16 bright zinc washer**
  - **1 - #14 x 1 1/4" Phillips pan head sheet metal screw**
  - **1 - 3946 - 5/16-18 x 2.0” BHSCS**
  - **1 - 3758 - 5/16-18 Flanged Hex Nut**

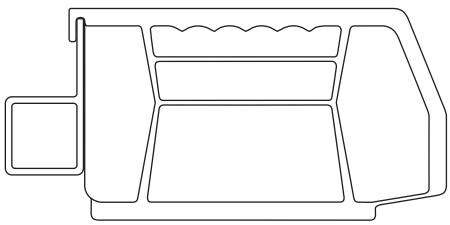
Part No.	Description	Lbs.
2811	Table Top Fastening Kit	.152

Holey Tube

AkroBins®



- Polypropylene storage bins that hang or stack
- Develop your own customized storage system
- AkroBins® are made in the USA
- Choose from six sizes
- Large label slot
- In stock for immediate shipment
- Available in red, blue or yellow (specify color when ordering)



Part No.	Outside Dimensions			Inside Dimensions			Lbs.
—	L	W	H	L	W	H	—
2230	5.375	4.125	3.000	4.750	3.437	2.812	.120
2240	7.375	4.125	3.000	6.750	3.437	2.812	.250
2250	10.875	5.500	5.000	10.250	4.375	4.750	.630
2270	10.875	11.000	5.000	10.250	10.000	4.750	.965
2271	10.750	8.250	7.000	10.000	6.562	6.750	1.155
2272	14.750	8.250	7.000	14.000	6.562	6.750	2.167

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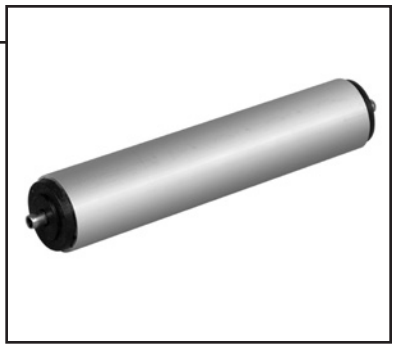
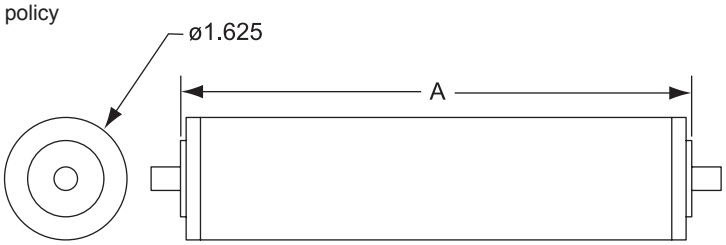
Gravity Rollers



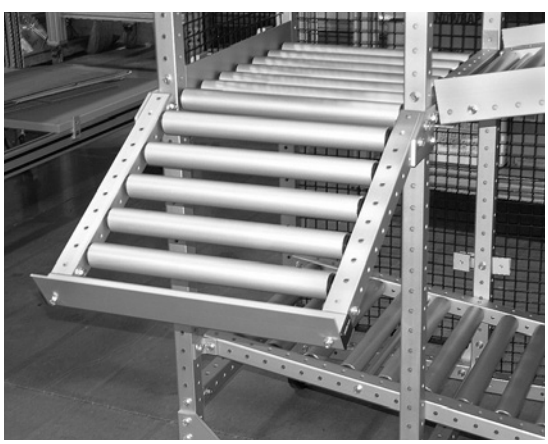
- **Anodized aluminum rollers with plastic inserts**
- **Custom-made specifically for each order***
- **Spring loaded pins snap easily into any Holey Tube profile with holes**
- **Mount to T-slot by using gravity roller mounting block on page 438**
- **See pages 1140-1142 for details on building your own gravity roller application**

* May impact return policy



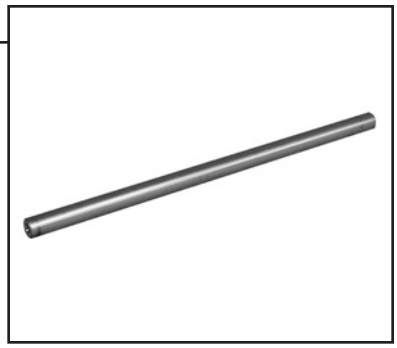
Part No.	Description	A	Lbs.
9840	1.625” Gravity Roller with 5/16 Round Shaft - 15” between frame	11.815	1.095
9841	1.625” Gravity Roller with 5/16 Round Shaft - 16.5” between frame	13.315	1.184
9842	1.625” Gravity Roller with 5/16 Round Shaft - 18” between frame	14.815	1.272
9843	1.625” Gravity Roller with 5/16 Round Shaft - 19.5” between frame	16.315	1.360
9844	1.625” Gravity Roller with 5/16 Round Shaft - 21” between frame	17.815	1.449
9845	1.625” Gravity Roller with 5/16 Round Shaft - 22.5” between frame	19.315	1.537
9846	1.625” Gravity Roller with 5/16 Round Shaft - 24” between frame	20.815	1.626
9847	1.625” Gravity Roller with 5/16 Round Shaft - 25.5” between frame	22.315	1.714
9848	1.625” Gravity Roller with 5/16 Round Shaft - 27” between frame	23.815	1.802

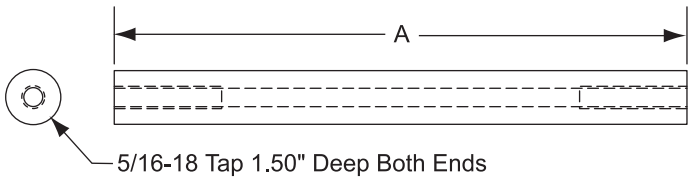
See page 1138 to determine gravity roller sizes.



Connector Rods

- **Use for connecting side rails on gravity roller sections**
- **Use as a height-adjustable support with notched flanged profiles**
- **See page 1156 for custom connection rod tap services for 9820.**



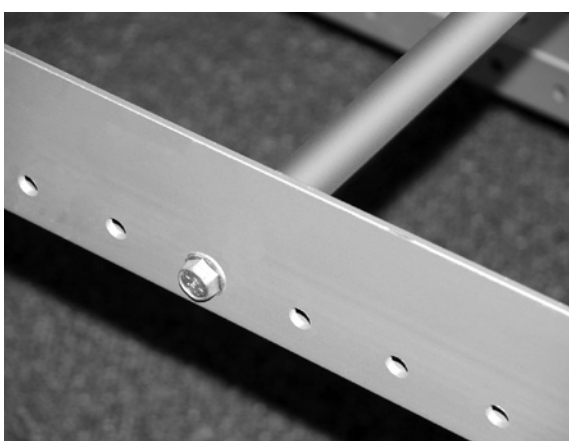


Recommended Fractional Mounting Hardware:

Part No.	Qty	Description
3754	2	5/16-18 x 2.25" Flanged Hex Head Bolt

Part No.	Description	A	Lbs./in
9820	3/4" Round Connector Rod	—	.087 / In.
9821	3/4" Round Connector Rod - 15" Opening	11.815"	1.032 / ea
9822	3/4" Round Connector Rod - 16.5" Opening	13.375"	1.162 / ea
9823	3/4" Round Connector Rod - 18" Opening	14.875"	1.292 / ea
9824	3/4" Round Connector Rod - 19.5" Opening	16.375"	1.423 / ea
9825	3/4" Round Connector Rod - 21" Opening	17.875"	1.553 / ea
9826	3/4" Round Connector Rod - 22.5" Opening	19.375"	1.684 / ea
9827	3/4" Round Connector Rod - 24" Opening	20.875"	1.814 / ea
9828	3/4" Round Connector Rod - 25.5" Opening	22.375"	1.944 / ea
9829	3/4" Round Connector Rod - 27" Opening	23.875"	2.075 / ea
9830	3/4" Round Connector Rod - 28.5" Opening	25.375"	2.205 / ea
9831	3/4" Round Connector Rod - 30" Opening	26.875"	2.335 / ea

See page 1138 to determine connector rod sizes.



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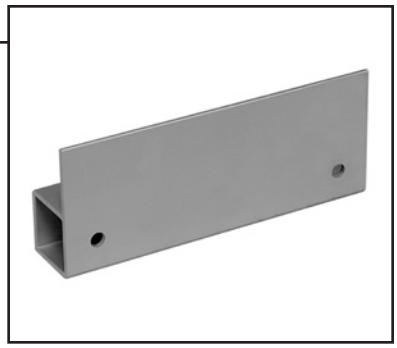
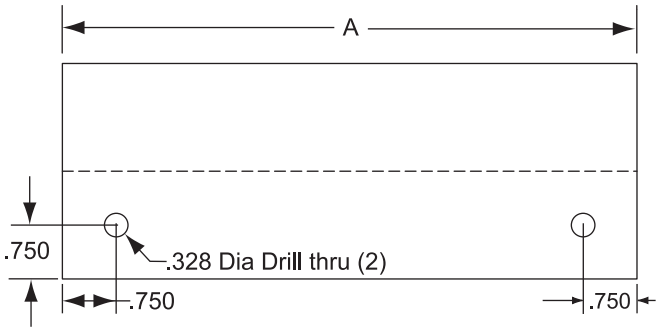
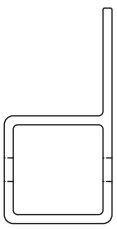
P-Tube Stopper

- **Sized for use with connector rods and gravity rollers**
- **Use as a stop for roller assemblies**







Recommended Fractional Mounting Hardware:

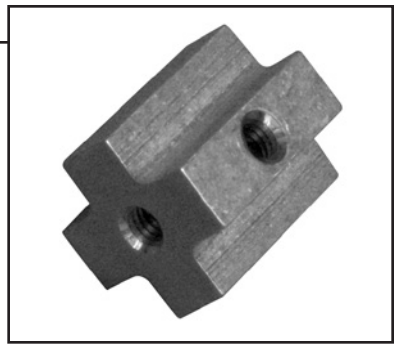
Part No.	Qty	Description
3753	2	5/16-18 x 2.00" Flanged Hex Head Bolt

Part No.	Description	A	Lbs.
9860	1.5" P-Tube Stopper - 15" between frame	14.875"	1.564
9861	1.5" P-Tube Stopper - 16.5" between frame	16.375"	1.694
9862	1.5" P-Tube Stopper - 18" between frame	17.875"	1.824
9863	1.5" P-Tube Stopper - 19.5" between frame	19.375"	1.955
9864	1.5" P-Tube Stopper - 21" between frame	20.875"	2.085
9865	1.5" P-Tube Stopper - 22.5" between frame	22.375"	2.215
9866	1.5" P-Tube Stopper - 24" between frame	23.875"	2.346
9867	1.5" P-Tube Stopper - 25.5" between frame	25.375"	2.476
9868	1.5" P-Tube Stopper - 27" between frame	26.875"	2.607

See page 1138 to determine p-tube stopper sizes.

Conveyor Tube Insert

- **5/16-18 or M8 x 1.25" taps in mill finish 6105-T5 aluminum**
- **Cross tapped hole allows for screw mounting without using hex nuts when used as a standard insert (1.50" BHSCS Shown in Example 1)**
- **Cross tapped hole allows for fixing screw positions with hex nuts when used for height adjustments (Shown in Example 2)**

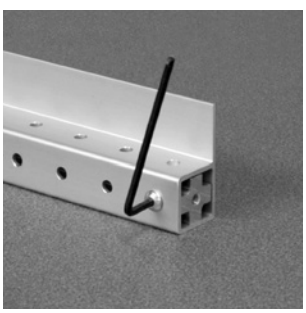


Recommended Fractional and Metric Mounting Hardware (For Example 2):

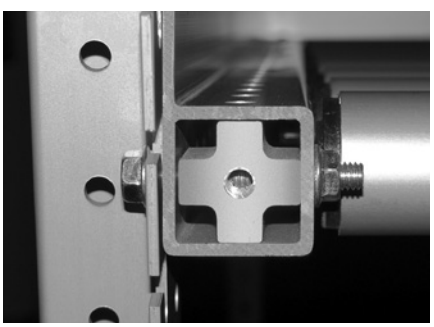
Part No.	Qty	Description
3754	1	5/16-18 x 2.25" Flanged Hex Bolt
3759	1	5/16-18 Flanged Hex Nut
OR		
13-3759	1	M8 Flanged Hex Nut

Part No.	Description	Lbs.
4615	5/16-18 Conveyor Tube Insert	.114
4616	M8 x 1.25 Conveyor Tube Insert	.114

Example 1

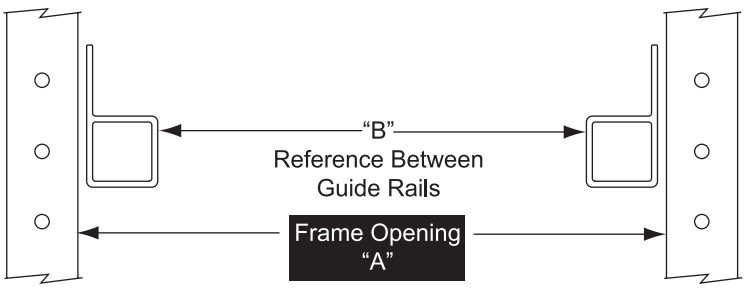


Example 2



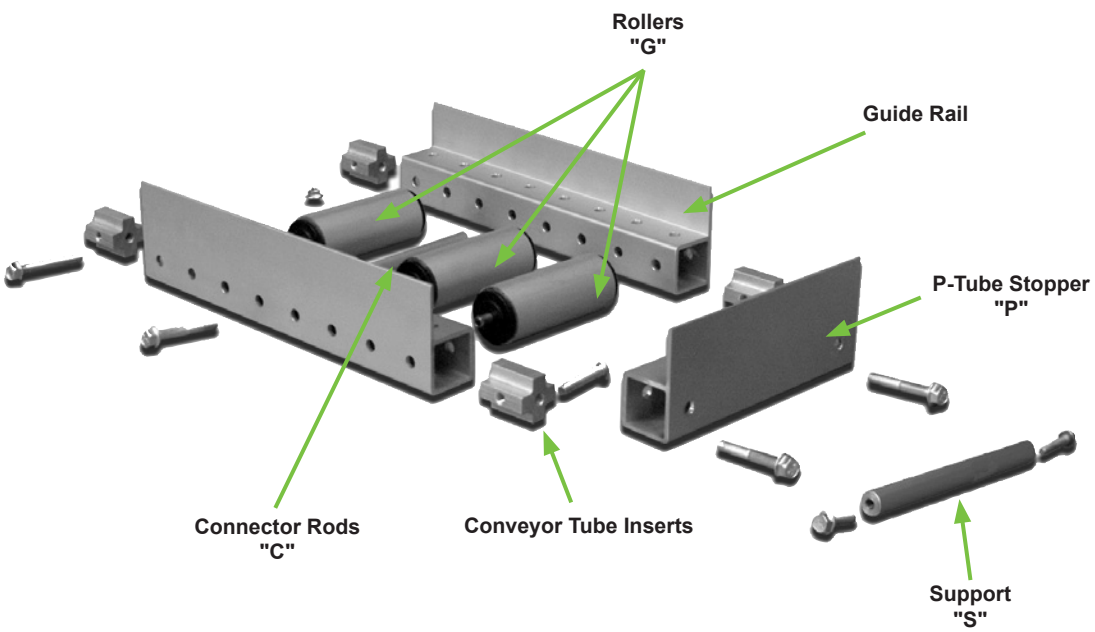
Building with Holey Tube

1. Determine the measurement of the Frame Opening "A"



Additional information on assembling gravity roller components can be found on pages 1019-1022

2. Once Frame Opening "A" is defined, utilize the diagram below and the chart on the opposite page for determining sizes and part numbers for assembling your Holey Tube application.



Building with Holey Tube - continued

Use the chart below starting with "A" to determine your part numbers for building a Gravity Roller Component.

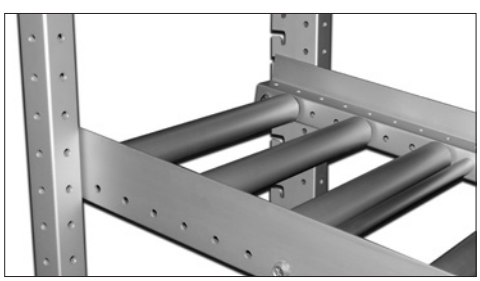
Opening "A"	Between Guide Rail Reference "B"	Connector "C" Part No.	Roller "G" Part No.	Stopper "P" Part No.	Support "S" Part No.
15.0"	11.875"	9821	9840	9860	9823
16.5"	13.375"	9822	9841	9861	9824
18.0"	14.875"	9823	9842	9862	9825
19.5"	16.375"	9824	9843	9863	9826
21.0"	17.875"	9825	9844	9864	9827
22.5"	19.375"	9826	9845	9865	9828
24.0"	20.875"	9827	9846	9866	9829
25.5"	22.375"	9828	9847	9867	9830
27.0"	23.875"	9829	9848	9868	9831

Example: If "A" = 18.00"

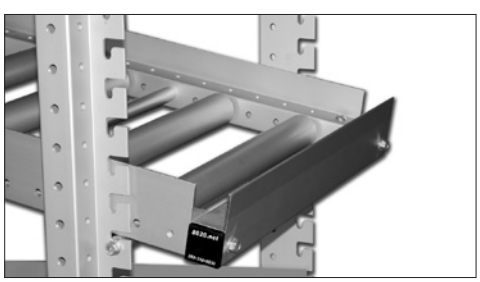
Part No.	Descripton
9823	"C" 14.875" Connector Rod
9842	"G" 14.815" Gravity Roller
9862	"P" 17.875" P-Tube Stopper
9825	"S" 17.875" Support Connector Rod

Assembled Holey Tube Gravity Flow Rack

Gravity Flow Rack Finished Assembly



Left End Finished Assembly



Right End Finished Assembly

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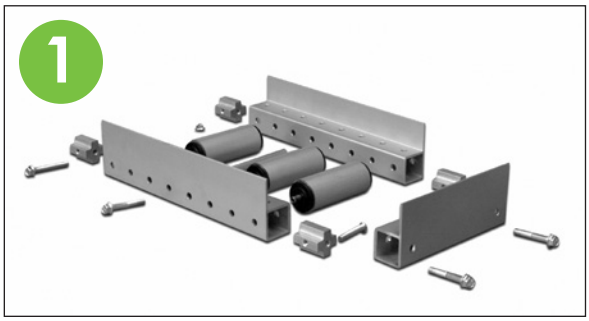
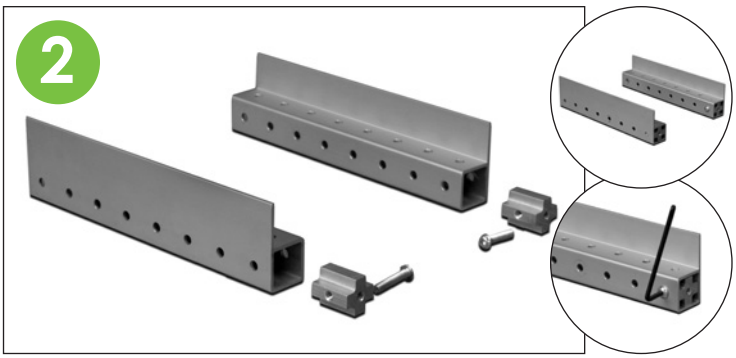
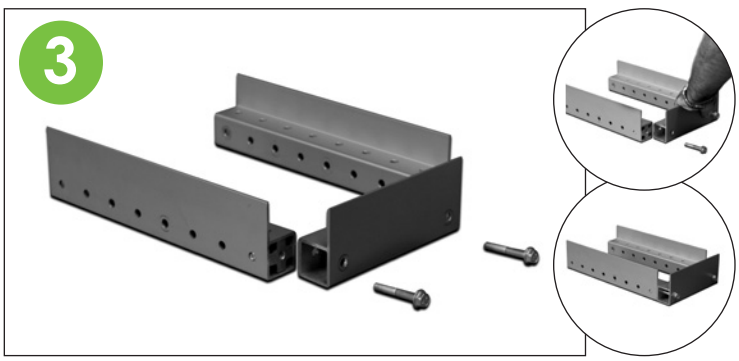
Gravity Roller Assembly - Steps 1-4



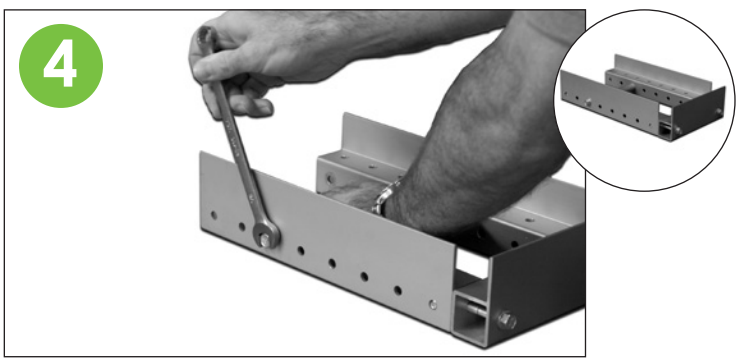
- Reference page 1019 for determining the sizes and parts needed for assembling a gravity flow rack.
- Make sure you have all the components needed.
- Lay the parts out as shown; this will help in assembling your application.
- Don't forget tools! See Section 2.



- Start assembling the guide rails and conveyor tube inserts.
- Follow the diagram steps for ease of assembly.
- Always remember to tighten the fasteners with 80/20® tools!



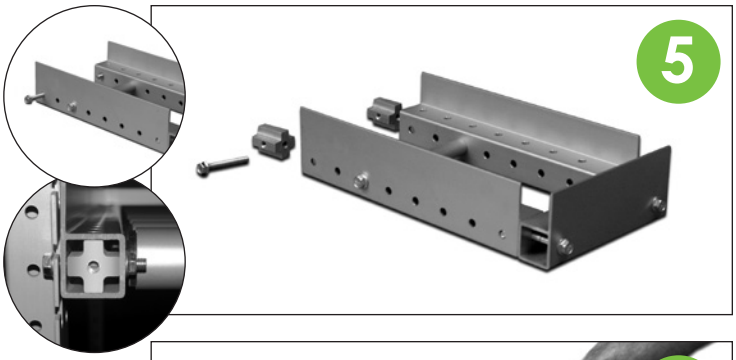
- Once the guide rails are in place, connect the P-tube stopper "P" to the end of your application.
- Insert the flanged hex bolt through the P-tube stopper and into the conveyor tube inserts.
- Tighten bolts.



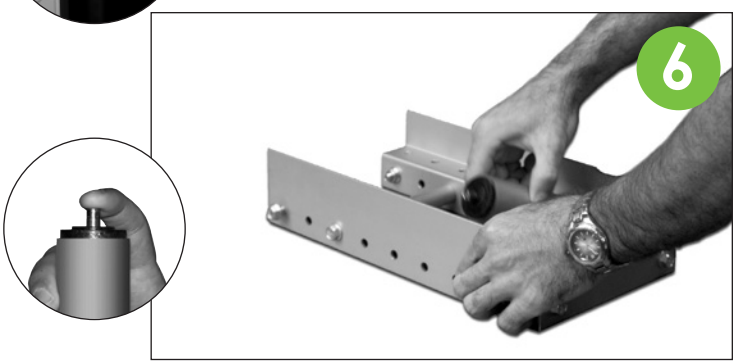
- The guide rails and the P-tube stopper are assembled and ready for the framing support.
- Place the connector rod between the guide rails. Remember, there is no designated hole, just preference.
- Once in place, tighten the flanged hex bolt for a sturdy framing application!

Gravity Roller Assembly - Steps 5-8

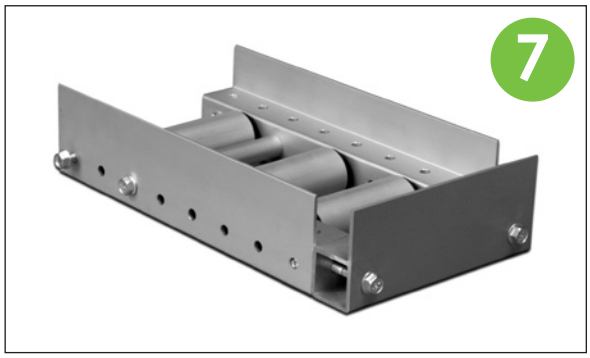
- Once the right end assembly is finished, complete the opposite end.
- Again, using conveyor tube inserts, complete the left end of the guide rails.
- Thread the flanged hex head bolt through the guide rail and insert to create a mounting point.
- Fix in place with the flanged hex nut.



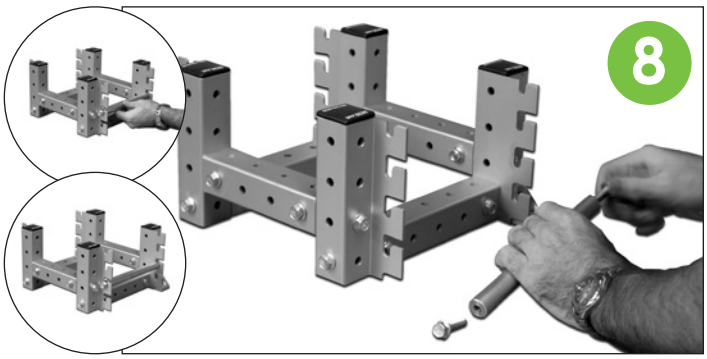
- Your conveyor is almost finished!
- Push the ends of your rollers "G" and snap into the desired holes, one end at a time.
- Decide where you want to place the rollers, then insert one at a time.



- With the roller assembly completed, build the frame assembly.
- Remember to check all bolts to make sure they are tightened and in place.



- Once the conveyor and frame are assembled, select the support "S" components.
- Insert a flanged hex bolt into both ends of the support. Remember to allow room on both ends for inserting into the notches.
- Once complete, decide on how high or low you need the conveyor to be. Then place the assembled support into the desired notches.



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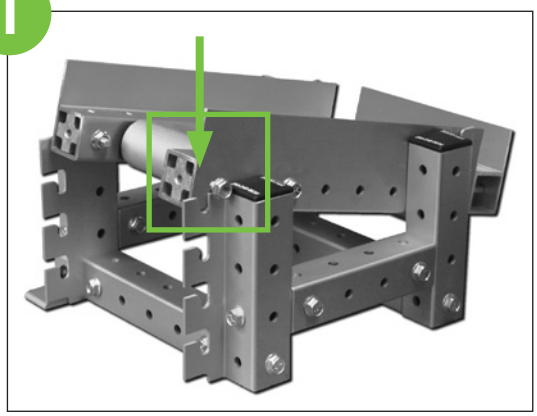
Assembled Gravity Flow Rack

Final Assembly Steps for Attaching Roller Assemblies to Frames

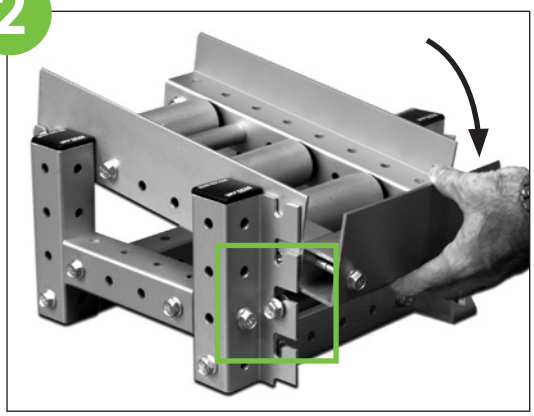
1

The flanged hex bolts rest in the notches



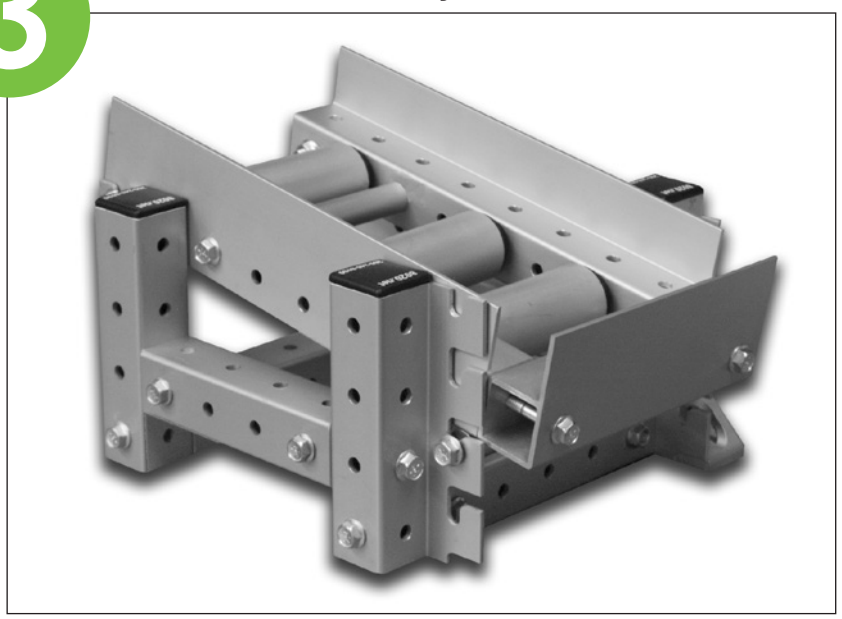
2

The roller assembly rests on the support



3

Finished Gravity Flow Rack!



The Holey Tube gravity flow rack is easy to assemble, but if you still have questions, 80/20® offers FREE design assistance and customer service representatives to assist you at ANY time during your designing or assembly process. Call 80/20 today!

Section #6 Pictorial Table Of Contents

Introduction to Holey Tube Floor to Frame

Page 1143

Extended Tube Inserts

Page 1144

Threaded Stem Swivel Casters

Page 1145

Flange Mount Casters

Page 1146

Deluxe Flange Mount Casters

Page 1147

Economy Furniture Glides

Page 1148

Large Base Glides

Page 1149

Economy Anti-Vibration Mounts

Page 1150

Deluxe Leveling Feet

Page 1151

Economy Leveling Feet

Page 1152

Wedge Floor Anchors

Page 1153

Slotted Economy Floor Mount Base Plates

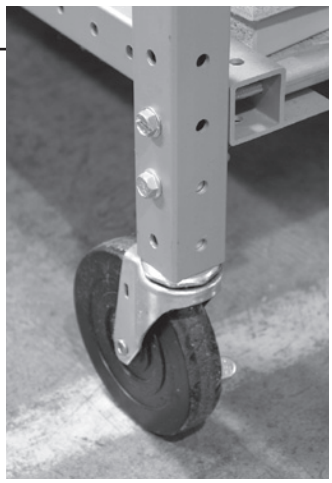
Page 1154

Introduction to Holey Tube Floor to Frame

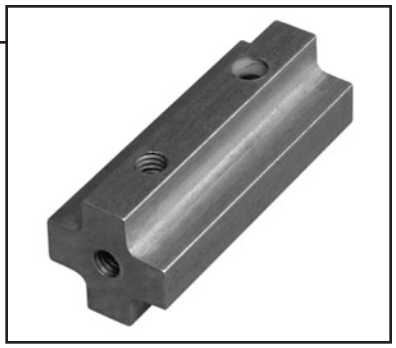
In this section you'll find everything you need to connect your Holey Tube project from the floor to the frame. All 80/20® "Floor To Frame" products are made from the highest quality materials to meet or exceed your application requirements. Whether you're using them in an office environment or on the plant floor, 80/20's "Floor-To-Frame" products will stand up to the challenge.

Holey Tube Advantages

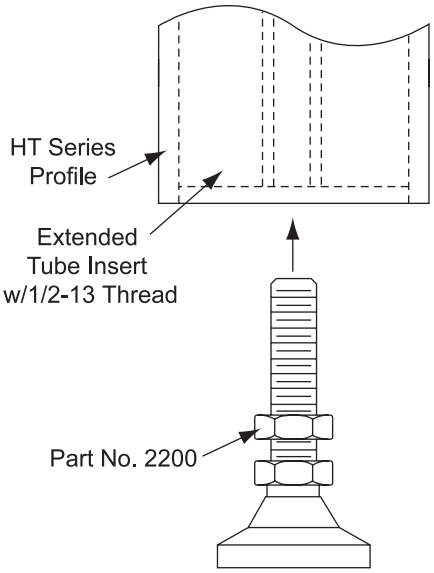
- **80/20's casters add mobility and adjustability to any project**
- **Floor-To-Frame: just one more reason to make 80/20 your one-stop shop**
- **With 80/20's caster inserts, you know you have the right product for the right application**
- **Many different leveling feet and casters to choose from**

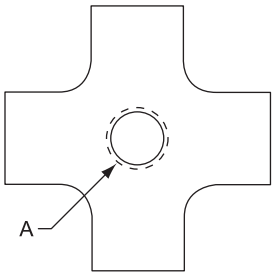


Extended Tube Inserts



- **Seven internal thread sizes**
- **Can be used with many fractional or metric parts from throughout this catalog**
- **Extended tube inserts are made from mill-finish 6105-T5 Aluminum**
- **Fasten in place with roll pins or bolts with hex nuts**





Recommended Fractional and Metric Mounting Hardware:

Part No.	Qty	Description
9760	1	5/16-18 x 1.50" Roll Pin
OR		
3970	1	5/16-18 x 1.75" Flanged Hex Bolt w/Flanged Hex Nut

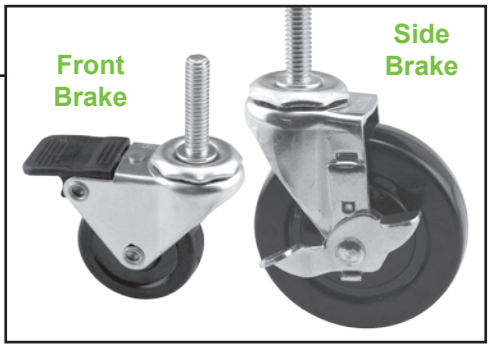
For more mounting hardware options, see page 1108.

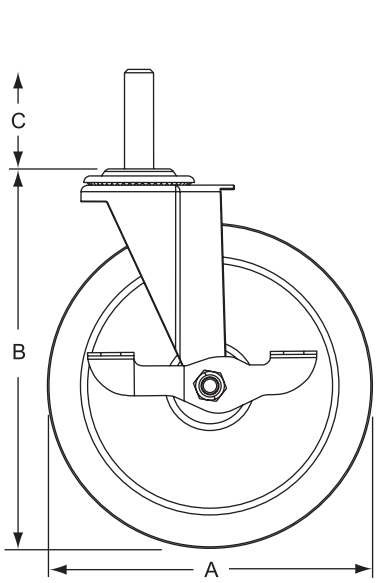
Part No.	A	Description	Lbs.
4605	5/16-18	Extended Tube Insert	.230
4606	M8 x 1.25"	Extended Tube Insert	.230
4607	3/8-16	Extended Tube Insert	.225
4608	M10 x 1.50"	Extended Tube Insert	.225
4609	7/16-14	Extended Tube Insert	.220
4610	M12 x 1.75"	Extended Tube Insert	.220
4611	1/2-13	Extended Tube Insert	.220

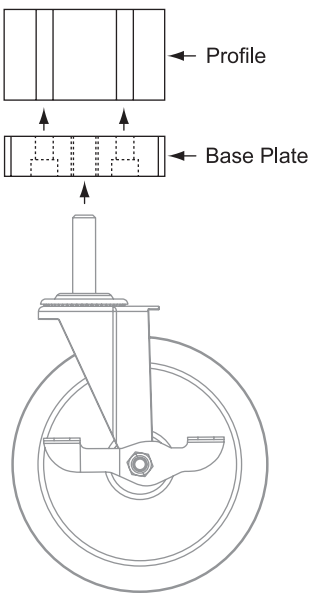
Threaded Stem Swivel Casters

Zinc-Plated Steel Bracket w/Rubber Wheel

- **Holey Tube compatible**
- **Mounts directly to extended tube inserts**
- **Maximum load capacity ratings from 140 lbs.**
- **Brake kits are included with select casters**
- **Oil resistant**







Part No.	Thread	A	B	C	Brake	Swivel Radius	Max Load Lbs.	Lbs.
2298*	3/8-16	1.625	2.313	1.500	No Brake	1.625	70.00 (31.82)	0.29
2299*	3/8-16	2.000	2.531		Front Mount	1.812	70.00 (31.82)	0.35
2300*	3/8-16	3.000	3.531		Side Mount	2.375	100.00 (45.36)	0.55
2310*	7/16-14	4.000	4.531			3.250	125.00 (56.82)	1.21
2305**	7/16-14	4.000	4.531			3.250	140.00 (63.64)	1.25
2306*	7/16-14	5.000	5.531			3.875	125.00 (56.82)	1.28
2307**	7/16-14	5.000	5.531			3.875	145.00 (65.91)	1.80

* Wheel Material: Soft Rubber ** Wheel Material: Hard Rubber

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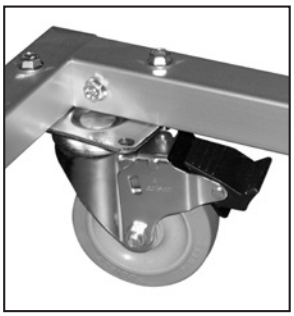
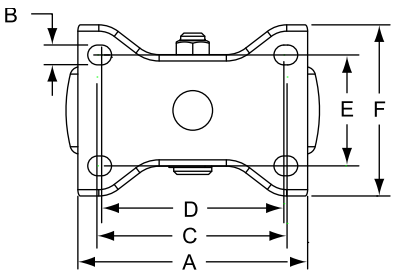
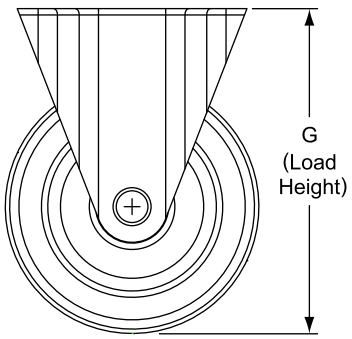
Flange Mount Casters

- **Holey Tube compatible**
- **Choose from rigid or swivel casters, with brake kits on all swivel casters**
- **Maximum load capacity ratings range from 250-300 lbs.**







Recommended Mounting Hardware (Caster to Profile):

Part No.	Qty	Description
3960	2	5/16-18 x 2.00" Flg. Hex Head Bolt & Flg. Hex Nut

Swivel Caster Part No.	Diameter	A	B	C	D	E	F	G	Oil Resistance	Capacity	Wheel Color	Brake	Swivel Radius	Lbs.
2317*	3.000	3.625	.328	3.000	2.875	1.750	2.375	4.125	Average	275 Lbs.	Black	Side	3.000	1.500
2318**	3.000	3.625	.328	3.000	2.875	1.750	2.375	4.125	Average	275 Lbs.	Black	Side	3.000	1.500
2321***	4.000	3.625	.328	3.000	2.875	1.750	2.375	5.125	Good	250 Lbs.	Gray	Front	4.625	2.500
2323***	5.000	3.625	.328	3.000	2.875	1.750	2.375	6.250	Good	300 Lbs.	Gray	Front	4.625	3.000

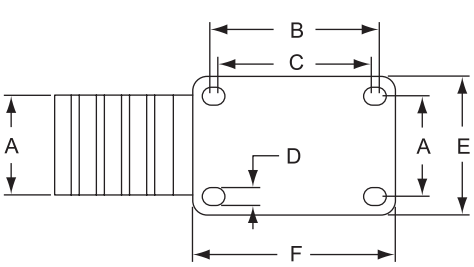
Rigid Caster Part No.	Diameter	A	B	C	D	E	F	G	Oil Resistance	Capacity	Wheel Color	Brake	Lbs.
2311*	3.000	3.625	.328	3.000	2.875	1.750	2.375	4.125	Average	275 Lbs.	Black	No	1.500
2312**	3.000	3.625	.328	3.000	2.875	1.750	2.375	4.125	Average	275 Lbs.	Black	No	1.500
2314***	4.000	3.625	.328	3.000	2.875	1.750	2.375	5.125	Good	250 Lbs.	Gray	No	2.000
2316***	5.000	3.625	.328	3.000	2.875	1.750	2.375	6.250	Good	300 Lbs.	Gray	No	2.500

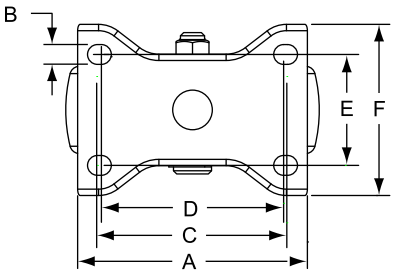
* Wheel Material: Soft Rubber
** Wheel Material: Hard Rubber
*** Wheel Material: Thermoplastic Elastomer on Plastic Core

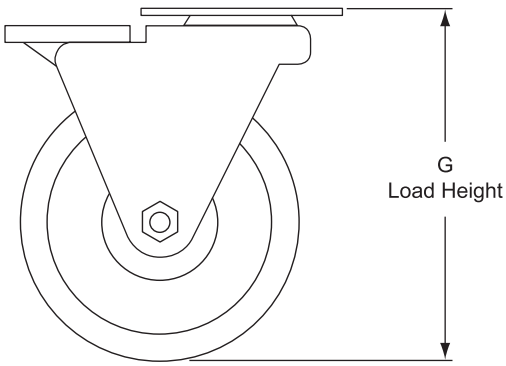
We specialize in FAST™ same day shipments!

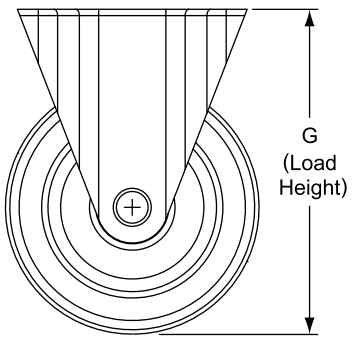
Deluxe Flange Mount Casters

- Holey Tube compatible
- All casters have polyurethane wheels with hardened raceways for smooth motion
- Brake presses to lock swivel and wheel, press to unlock
- 250 - 300 lb. load capacity range









Recommended Mounting Hardware (Caster to Profile):

Part No.	Qty	Description
3960	2	5/16-18 x 2.00" Flg. Hex Head Bolt & Flg. Hex Nut

Swivel Caster Part No.	Diameter	A	B	C	D	E	F	G	Swivel Radius	Oil Resistance	Capacity	Wheel Color	Brake	Lbs.
2333*	4.000	1.750	3.000	2.875	.328	2.375	3.625	5.125	4.625	Very Good	250 Lbs.	Blk / Gray	Yes*	2.500
2334*	5.000	1.750	3.000	2.875	.328	2.375	3.625	6.250	4.625	Very Good	300 Lbs.	Blk / Gray	Yes*	3.250

Rigid Caster Part No.	Diameter	A	B	C	D	E	F	G	Swivel Radius	Oil Resistance	Capacity	Wheel Color	Brake	Lbs.
2335*	4.000	1.750	3.000	2.875	.328	2.375	3.625	5.125	—	Very Good	300 Lbs.	Blk / Gray	No	2.125
2336*	5.000	1.750	3.000	2.875	.328	2.375	3.625	6.250	—	Very Good	300 Lbs.	Blk / Gray	No	2.625

* Wheel Material: Polyurethane Tread Plastic Core

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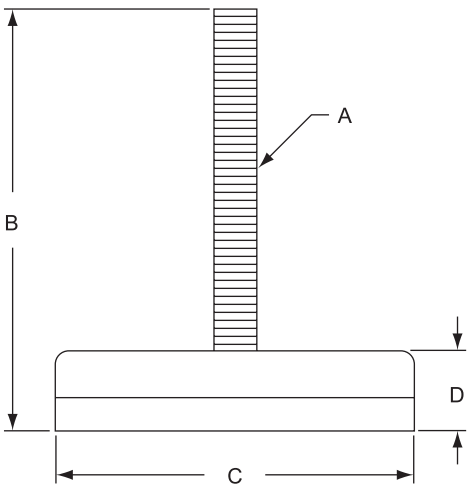
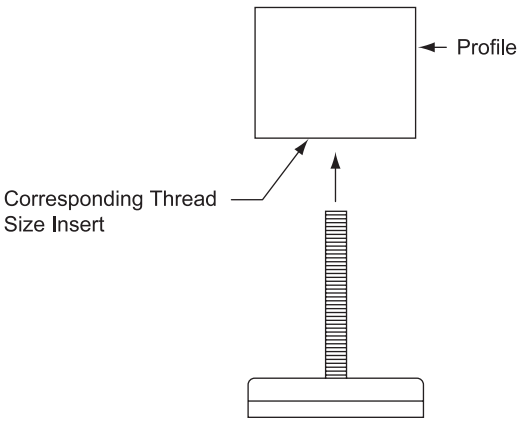
Economy Furniture Glides

- **Holey Tube compatible**
- **Mounts directly to extended tube inserts**
- **Nickel-plated with non-abrasive nylon base**
- **Cost-effective, modular solution for light-duty applications**
- **See page 1144 for extended tube inserts**



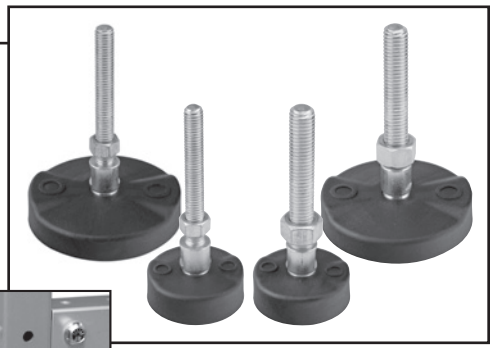


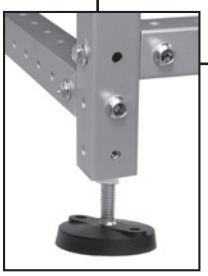
Part No.	Load Capacity	A	B	C	D	Lbs.
2187	250 Lbs.	5/16-18	2.570	2.030	.578	.139
2188	250 Lbs.	3/8-16	2.460	2.400	.468	.179
2189	500 Lbs.	1/2-13	2.540	2.800	.542	.269

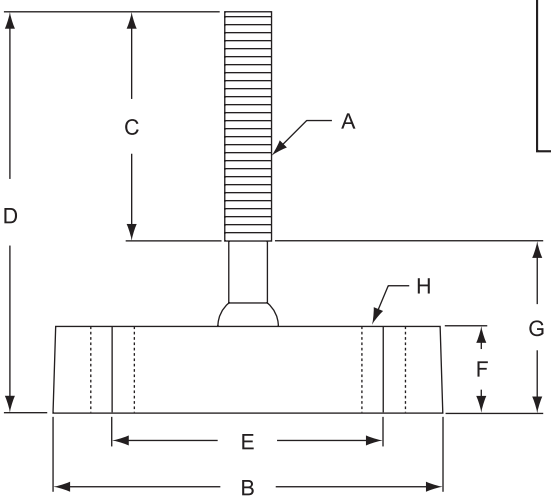
Part No.	Load Capacity	A	B	C	D	kg.
65-2187	113 kg.	M8 x 1.25	59.80	52.00	12.10	.051
65-2188	113 kg.	M10 x 1.5	78.00	61.00	13.76	.084
65-2189	227 kg.	M12 x 1.75	78.00	72.00	13.76	.112

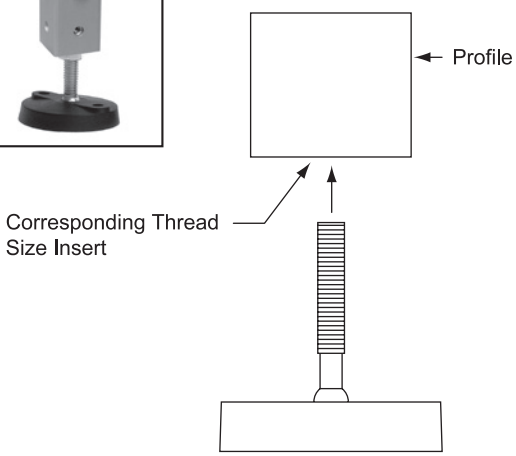
Large Base Glides

- **Holey Tube compatible**
- **Zinc-plated stud with glass-filled nylon base**
- **4000-5000 lb. load capacity for leveling heavier applications**
- **Extra large base diameter creates maximum surface area**
- **Stems swivel 15° in all directions**
- **See page 1144 for extended tube inserts**





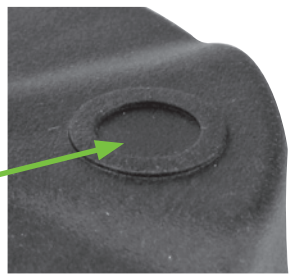




Part No.	Load Capacity	A	B	C	D	E	F	G	H	Lbs.
2183	4000 Lbs.	3/8-16	1.970	3.000	4.290	1.320	.730	1.300	.272	.184
2184	4000 Lbs.	1/2-13	1.970	3.000	4.290	1.320	.730	1.300	.272	.256
2181	5000 Lbs.	3/8-16	3.150	3.000	4.290	2.165	.730	1.500	.354	.266
2182	5000 Lbs.	1/2-13	3.150	3.000	4.290	2.165	.730	1.500	.354	.338

Part No.	Load Capacity	A	B	C	D	E	F	G	H	kg.
65-2183	1740 kg.	M10 x 1.5	50.80	75.00	110.00	33.30	18.00	35.00	6.50	.120
65-2184	1740 kg.	M12 x 1.75	50.80	75.00	110.00	33.30	18.00	35.00	6.50	.116
65-2178	1740 kg.	M16 x 2.0	50.80	100.00	135.00	33.30	18.00	35.00	6.50	.213
65-2181	2175 kg.	M10 x 1.5	76.20	75.00	110.00	55.00	18.00	35.00	9.00	.134
65-2182	2175 kg.	M12 x 1.75	76.20	75.00	110.00	55.00	18.00	35.00	9.00	.153
65-2179	2175 kg.	M16 x 2.0	76.20	100.00	135.00	55.00	18.00	35.00	9.00	.251

80/20's large base glides are now available with the mounting holes in the base covered. If access is needed to bolt the glides to the floor, simply punch through the nylon base material.



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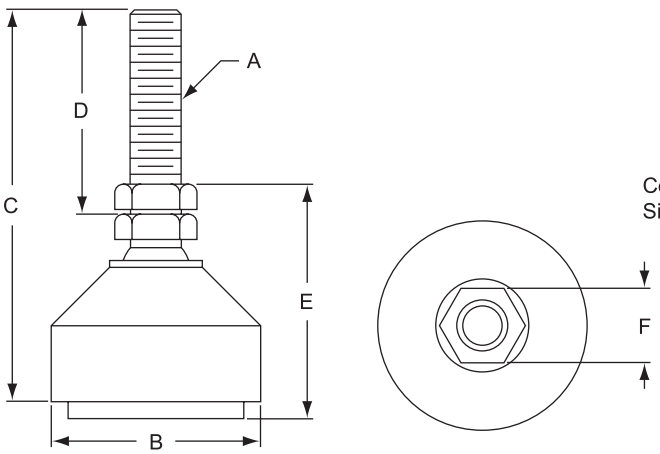
Economy Anti-Vibration Mounts

- **Holey Tube compatible**
- **Gold irridite finish with black rubber anti-vibration pad**
- **100 - 240 lbs. load capacity range**
- **Pivots 20° to accommodate uneven floors**
- **Level high-precision or computerized machinery**
- **See page 1144 for extended tube inserts**

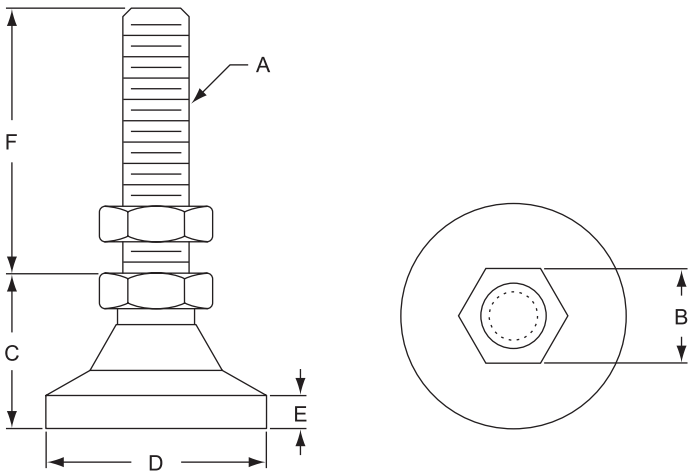


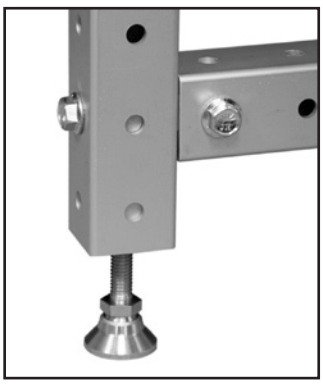
Part No.	Load Capacity	A	B	C	D	E	F	Lbs.
2207	100 Lbs.	3/8-16	1.250	3.500	2.000	1.500	.562	.320
2208	240 Lbs.	1/2-13	1.875	3.750	2.000	1.750	.625	.800

Part No.	Load Capacity	A	B	C	D	E	F	kg.
65-2207	23 kg.	M10 x 1.50	32.00	89.00	51.00	48.00	16.00	.170
65-2208	54 kg.	M12 x 1.75	48.00	95.00	51.00	53.00	19.00	.362

Deluxe Leveling Feet

- **3,750 - 5,000 lbs. load capacity range**
- **Pivots 20° to accommodate uneven floors**
- **See page 1144 for extended tube inserts**





Part No.	Load Capacity	A	B	C	D	E	F	Lbs.
2194	2300 Lbs.	5/16-18	.625	.875	1.250	.188	2.000	.220
2190	3750 Lbs.	3/8-16	.625	.875	1.250	.188	2.000	.220
2200	5000 Lbs.	1/2-13	.750	1.125	1.875	.250	2.000	.510

Part No.	Load Capacity	A	B	C	D	E	F	kg.
65-2212	453 kg.	M8 x 1.25	13.00	18.00	26.00	3.50	32.00	.047
65-2190	1701 kg.	M10 x 1.50	16.00	22.00	32.00	4.00	51.00	.100
65-2200	2268 kg.	M12 x 1.75	19.00	29.00	48.00	5.50	51.00	.220

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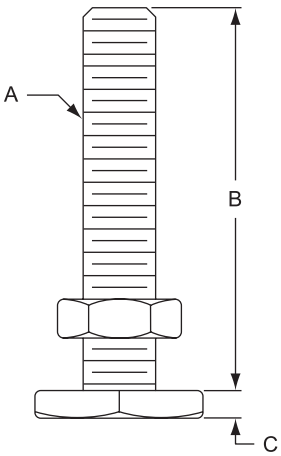
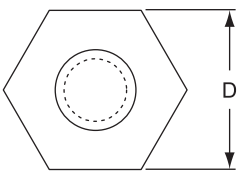
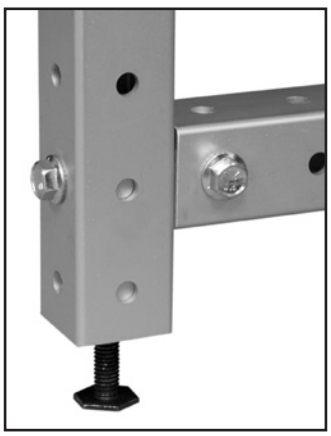
Economy Leveling Feet

- **1,750 - 4,700 lbs. load capacity range**
- **See page 1144 for extended tube inserts**



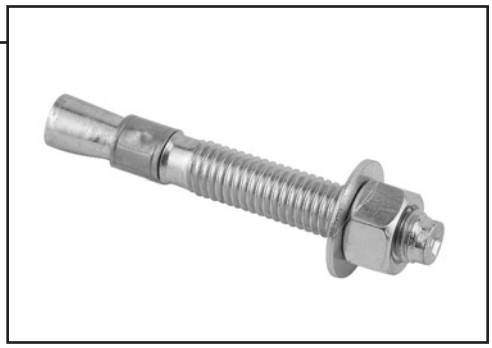


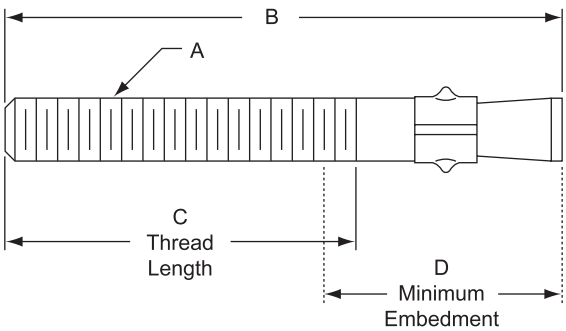


Part No.	Load Capacity	A	B	C	D	Lbs.
2195	1750 Lbs.	5/16-18	1.500	.109	.750	.050
2191	2550 Lbs.	3/8-16	2.000	.141	.875	.085
2201	4700 Lbs.	1/2-13	2.500	.172	1.063	.180

Wedge Floor Anchors

- **Mount fixture directly to floor**
- **Hex nut and washer included**
- **Made of high-strength carbon steel**





Part No.	A	B	C	D*	Lbs.
2906	1/2-13	3.750	2.250	2.250	.228
2907	1/2-13	5.500	3.000	2.250	.309
2908	1/2-13	7.000	4.500	2.250	.378

* (D) dimension is the minimum embedment.

Step #1

Step #2

Step #3

Step #1 Drill hole: Depth is embedment length plus 1/2". Diameter is the wedge anchor size. Clean out the hole.

Step #2 Thread nut on end of anchor to protect threads during installation. Hammer anchor to a depth so that threads are below the floor surface.

Step #3 Hand tighten nut, then 3 to 4 full turns with a wrench.

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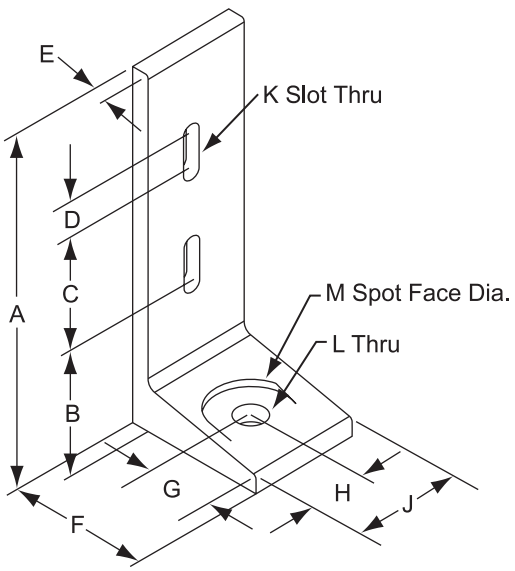
Economy Floor Mount Base Plates

- **Holey Tube compatible**
- **Made of 6105-T5 clear anodized aluminum**
- **Strong, economical method of mounting frame to floor**
- **Easily secure frame in place by using floor anchors on page 1153**



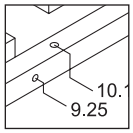
Recommended Mounting Hardware:

Part No.	Qty	Description
3960	2	5/16-18 x 2.00" Flanged Hex Bolt w/ Flanged Hex Nut

Part No.	A	B	C	D	E	F	G	H	J	K	L	M	Lbs.
2413	5.000	2.250	1.500	.500	.250	2.000	.688	.750	1.500	ø.328	ø.531	1.125	.265

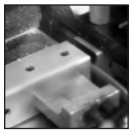
Section #7 Pictorial Table Of Contents

Introduction to Holey Tube Machining Services



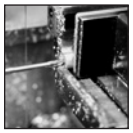
Page 1155

Cut-to-Length



Page 1156

Tap Connector Rod Ends

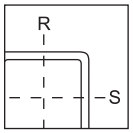


Page 1156

Access Hole Drilling

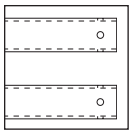
Page 1157

Axis Designation for Access Holes



Page 1157

Do It Yourself Details



Page 1158

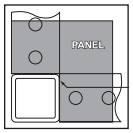
Panel Cutting Service

Page 1159

Wire Mesh Shearing

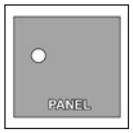
Page 1159

Extended Panel Notch



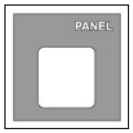
Page 1160

Panel Retainer Panel Drill Thru



Pages 1161

2, 3 & 4 Side Panel Cut Outs



Page 1162

Miscellaneous Panel Machining Services

Page 1163

Introduction to Holey Tube Machining Services

As a one-stop shop, we strive to meet all your framing needs. That's why we offer machining services to assist you in professionally completing your project. In this section you'll find those machining services specific to the Holey Tube product group. Typically, when using Holey Tube profiles with premanufactured mounting holes, only cut-to-length services will be required. However, when choosing Holey Tube profiles without premanufactured mounting holes, you will also want to specify drilled access holes to connect profiles together. In addition, this section includes everything you'll need to know for sizing and making any specialized cuts required when using panel or wire mesh options.

Holey Tube Advantages

- **By using 80/20®'s machining services department, your order will arrive on time and ready to assemble... every time!**
- **Let us do the cutting and drilling for you...we're the experts!**
- **If you want to do it yourself, we'll provide you everything you need to know to do it right!**
- **Panels cut sized to your exact specifications – no one does it better than 80/20.**

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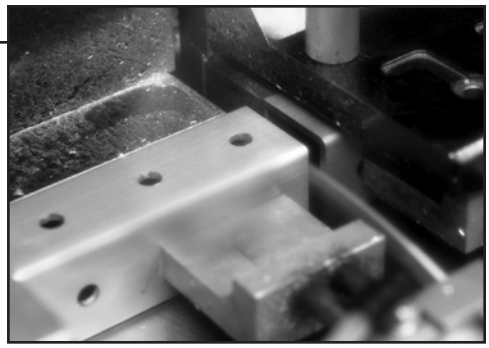
Cut-to-Length Service

- **All cuts set to a hard stop - identical in length**
- **All profiles are deburred, washed, dried, and wrapped**
- **Tolerance on cut lengths is +/-.015"**



Part No.	Description
7010	1.5” x 1.5” T-Slot and Tube Cut to Length
7020	1.5” x 3” T-Slot and Tube Cut to Length
7021	1.5” x 4.5” T-Slot and Tube Cut to Length
7001	Cut-to-Length 3/4” Round Connector Rods

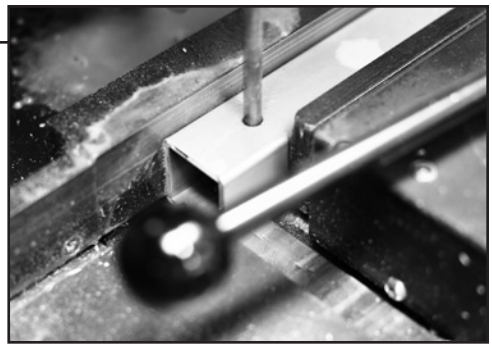
Tap Connector Rod Ends

- **All extruded rods have the tap drill diameter extruded through the center**
- **Allows for tapping ends to mount accessories**
- **Connector rod extruded tap drill diameter is .267"**
- **Please specify tap services by calling out left end, right end (tap service charge is per end)**

Part No.	Taps per End	Tap Size (Min. Depth)	Profile Part No.
7105	1	5/16-18 (1.25”)	9820
7106	1	M8 x 1.25” (1.25”)	9820

Access Hole Drilling Service

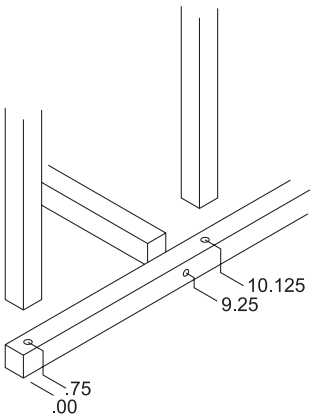
- **Access holes are required when making a connection through Holey Tube**
- **Use whenever you need a profile mounted at locations other than 1.5" increments**
- **.328 diameter thru holes for mounting Holey Tube fasteners**



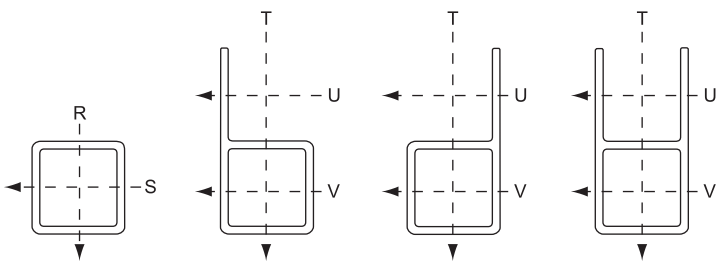
Part No.	Description
7246	Holey Tube Access Hole (per hole)

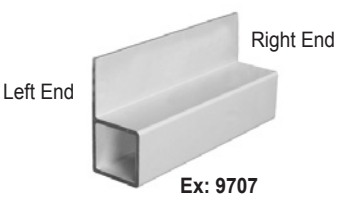
OPEN STYLE Ordering Example:

See page 1158 for do-it-yourself details

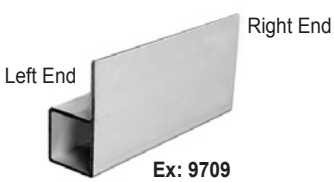


Axis Designation for Access Holes





Ex: 9707



Ex: 9709

Note: All profile end views are looking at Left End. It is important to note the orientation of the notches.

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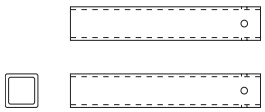
Holey Tube Do It Yourself Details

When ordering Holey Tube profiles with access holes, it is important to include specific details to ensure the machining is done exactly the way you want it. In Section 1, Profiles, we have shown you "How To Order" profiles. The steps below will describe how to list the access hole machining service properly with the profiles.

9700	2 @ 6.00"	7246	style HA	in R,S	Right End
		1	2	3	4

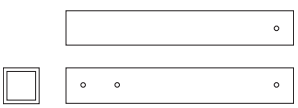
1. Indicate the service number. See page 1057.
2. Select the style. See below.
3. Designate which axis of the material - See page 1057.
4. List Left End and Right End.



These four steps are a “must do” to order access holes. There are more styles and examples listed below. If you need other access holes drilled which are different than any of the “styles”, refer to the open style ordering example on the previous page. Read carefully.

Ordering Example:

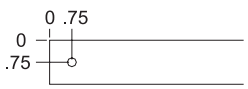
9700: 2 @ 23.5" 7246 Style HB in R Left End, 7246 Style HA in R Right End.



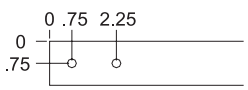
Translation: You are ordering two 23.5" pieces of 9700 profile with an access hole at .75" and 2.25" in axis R in the Left End and an access hole .75" in axis R from the Right End.

All Holey Tube access holes are .328 drill thru

STYLE "HA"



STYLE "HB"



Note: Style “HA” and “HB” are drilled to the dimensions shown. The open style requires a customer-supplied drawing showing hole locations.

Specify hole locations from one end only. DO NOT chain dimension, please.

Plastic Panel Cutting Service

- **Save time and money by having 80/20® cut plastic panels to your specific size**
- **Refer to pages 1117-1123 for our full offering of plastic panels**
- **Please submit a drawing with your machining specifications to 80/20 or your local distributor**
- **Use 7151 or 7153 service for cutting panels thicker than 1/4" (.250", 6mm)**

Part No.	Description	Cut Tolerance
7150	Cut Plastic Panels **ALL** Sides ≤ 48"	+/- .063
7155	Cut Plastic Panels **ANY** Side > 48"	+/- .063

For Plastic Panels Thicker Than 1/4"

Part No.	Description	Cut Tolerance
7151	Cut Thicker Plastic Panels **ALL** Sides ≤ 48"	+/- .063
7153	Cut Thicker Plastic Panels **ANY** Side > 48"	+/- .063

Wire Mesh Shearing Service

- **Save time and money by having 80/20 shear wire mesh panels to your specific size**
- **Refer to pages 1125-1127 for our full offering of wire mesh panels**
- **Please submit a drawing with your machining specifications to 80/20 or your local distributor**

Part No.	Description	Cut Tolerance
7095	Shear Wire Mesh **ALL** Sides ≤ 48"	+/- .063
7100	Shear Wire Mesh **ANY** Side > 48"	+/- .063

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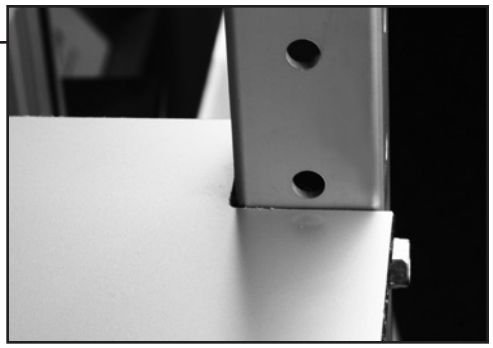
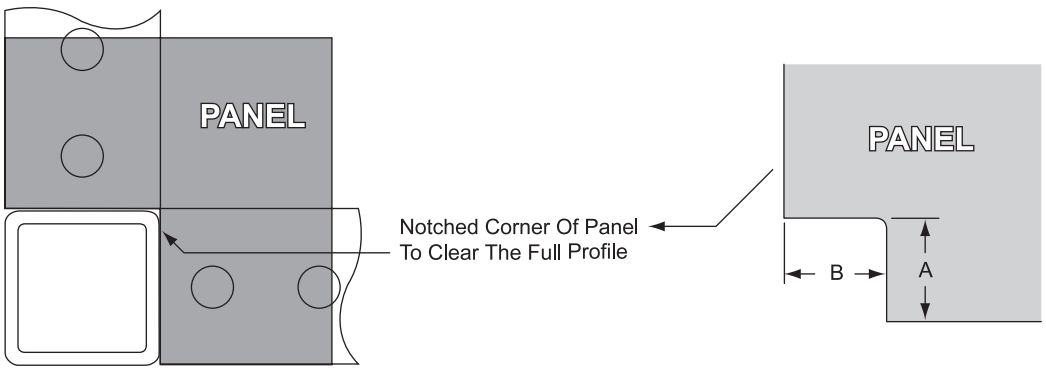
Extended Panel Notch Service

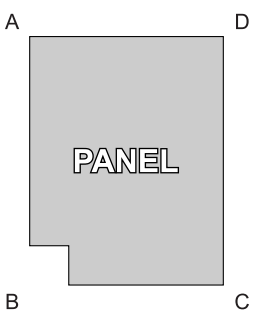


- **Provides clearance for perpendicularly mounted T-slotted profiles**
- **Refer to pages 1117-1123 for our full offering of panels**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **Available for both plastic panels and wire mesh**



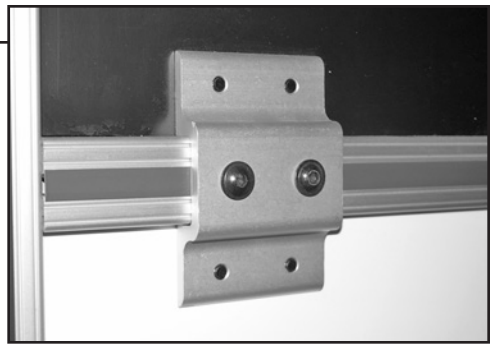
Part No.	Applicable Profiles	Service Type	A	B	Cut Tolerance
7600	1.5" x 1.5" Profiles	Corner Notch	1.56	1.56	+/- .060

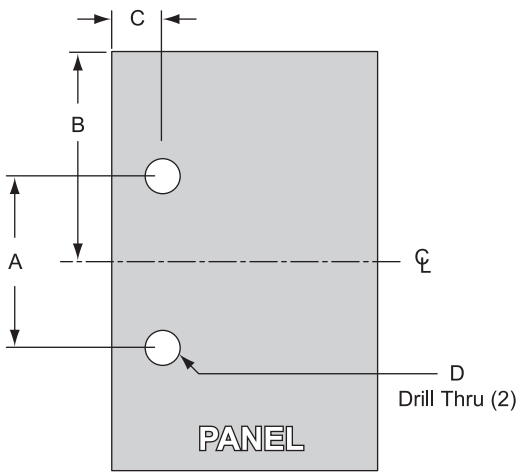
Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 22.000"
w/ 7600 on Corner B

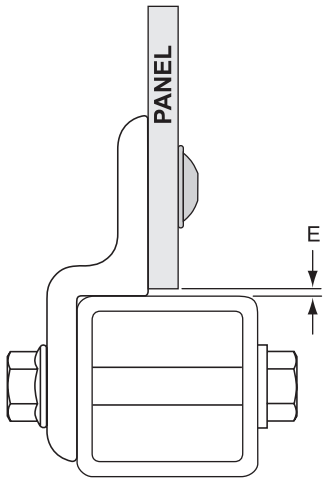


Double Panel Retainer Drill Thru Service

- **Provides thru holes for mounting a double panel retainer**
- **Refer to page 1114 for panel retainers**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**



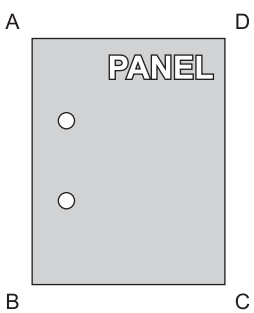




Service Part No.	Retainer Part No.	A	B	C	D	E	Hole Tolerance
7603	2433 & 2516	1.500	Open	.844	.375	.062	+/- .010

Ordering Example:
2609 (1) @ (AD) 18.000" x (AB) 20.000"
w/ 7603 on Side AB @ 8.000"

(All machining center lines will be called out from point "A" on the panel)



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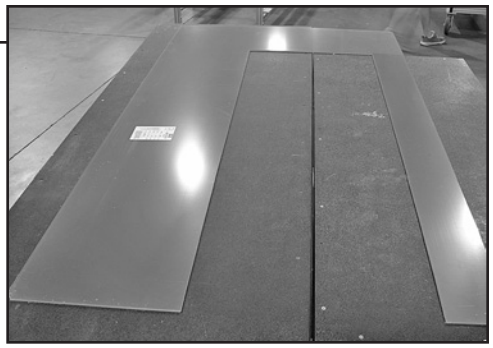
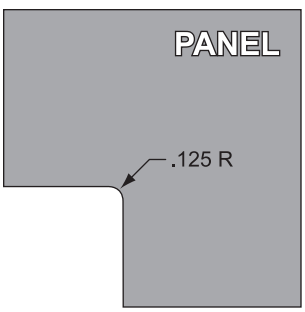
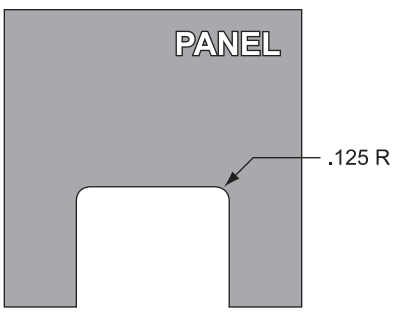
2, 3, & 4 Side Panel Cut-Outs



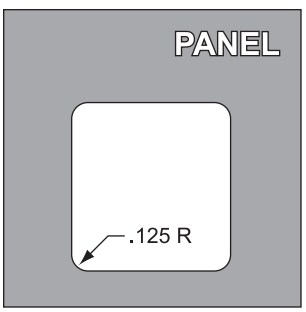
- **Provides an opening in any plastic panel or wire mesh**
- **Perfect for adding a panel door within a panel, also allows easy access into a guard or enclosure**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**
- **Refer to pages 1117-1123 for our full offering of plastic panels**



2 Sided Cut Out



3 Sided Cut Out

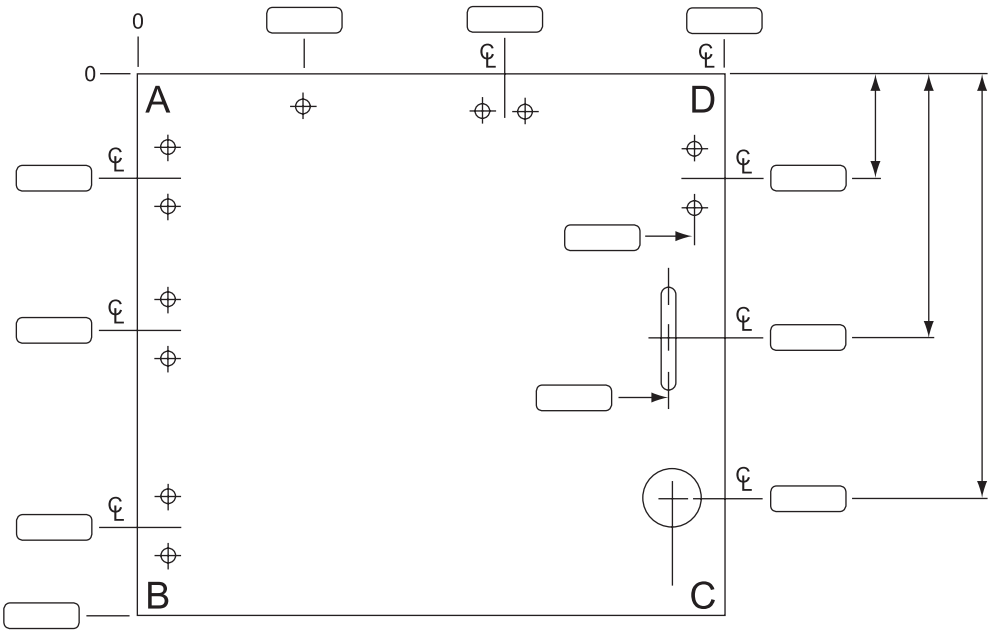


4 Sided Cut Out

Part No.	Description	Tool Radius Size	Cut Tolerance
7162	2 Sided Cut-Out All Dimensions > 3.000"	.125	+/- .040
7163	3 Sided Cut-Out All Dimensions > 3.000"	.125	+/- .040
7164	4 Sided Cut-Out All Dimensions > 3.000"	.125	+/- .040

Miscellaneous Panel Machining Services

- **Available for customizing panels applications**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**



Hinges – left side of drawing

This Service No.	Mount this Part No.
7580	*2080*
7583	*2091*

Please Note: 7580 and 7583 WILL require your Holey Tube profile to have 7246 access holes from page 1157-1158 specified for mounting.

Handles – right side of drawing

This Service No.	Mount this Part No.
7584	*2060*
7585	*2061*
7586	*2062*
7587	*2070*
7510	*2730*
7520	*2056*
7521	*2058*

Panel Retainers – top of drawing

This Service No.	Mount this Part No.
7595	*2434 / 2515*
7596	*2433 / 2516*

Other Plastic Panel Machining Services

7150 – Cut Panel ≤ 48" any side

7155 – Cut Panel > 48" any side

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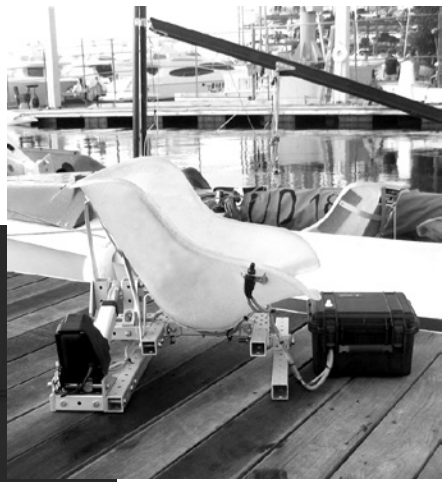
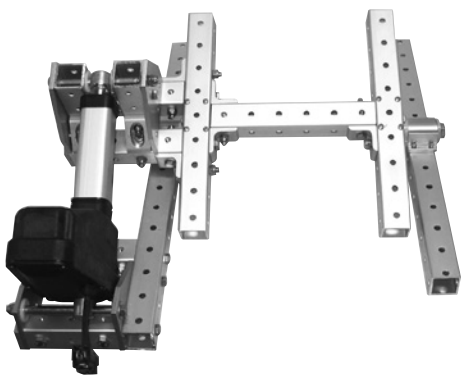
No Machining Required with Holey Tube Series

Holey Tube is an easy-to-assemble, cost-effective modular aluminum framing system that doesn't require machining. The pre-drilled holes allow for adjustability in your project. The lightweight Holey Tube system is perfect for projects such as carts, shelving, and gravity feed racks.

- Pre-drilled holes on 1.5" centerlines simplify design changes
- Compatible with 15 series profiles and accessories
- Use standard fractional or metric hardware
- Clear anodized for corrosion protection
- 20 profiles to choose from





Quick Frame Reference Guide

Aluminum vs. Steel ---- 2
Peace of Mind ---- 3
Made with 80/20 Stuff ---- 23
New Products ---- 55
Aluminum Profile Selection ---- 65
Pictorial Table of Contents ---- 117
Fractional Series ---- 145-634
- Profiles ---- 147
- Structural Shapes ---- 203
- Fastening Options ---- 221
- Joining Plates ---- 261
- Dynamic Pivots ---- 333
- Panels & Doors ---- 349
- Accessories ---- 433
- Floor to Frame ---- 457
- Linear Motion ---- 497
- Stanchions ---- 533
- Tools ---- 549
- Machining Services ---- 559
- AutoQuoterX ---- 609

Metric Series ---- 635-1078
- Profiles ---- 637
- Structural Shapes ---- 695
- Fastening Options ---- 711
- Joining Plates ---- 753
- Dynamic Pivots ---- 815
- Panels & Doors ---- 831
- Accessories ---- 915
- Floor to Frame ---- 939
- Linear Motion ---- 979
- Tools ---- 1015
- Machining Services ---- 1025

Holey Tube ---- 1079-1164
- Profiles ---- 1081
- Fasteners ---- 1097
- Joining Plates ---- 1103
- Panels & Doors ---- 1109
- Accessories ---- 1129
- Floor to Frame ---- 1143
- Machining Services ---- 1155

Quick Frame ---- 1165-1214
- Profiles ---- 1167
- Connectors ---- 1171
- Panels & Doors ---- 1185
- Floor to Frame ---- 1203
- Machining Services ---- 1209

Glossary ---- 1215
Index ---- 1221

80/20 Catalog Color Code

Fractional Series Profiles and Parts
Pages 145-634

Metric Series Profiles and Parts
Pages 635-1078

Holey Tube Profiles and Parts
Pages 1079-1164

Quick Frame Profiles and Parts
Pages 1165-1214

Glossary & Index
Pages 1215-1248

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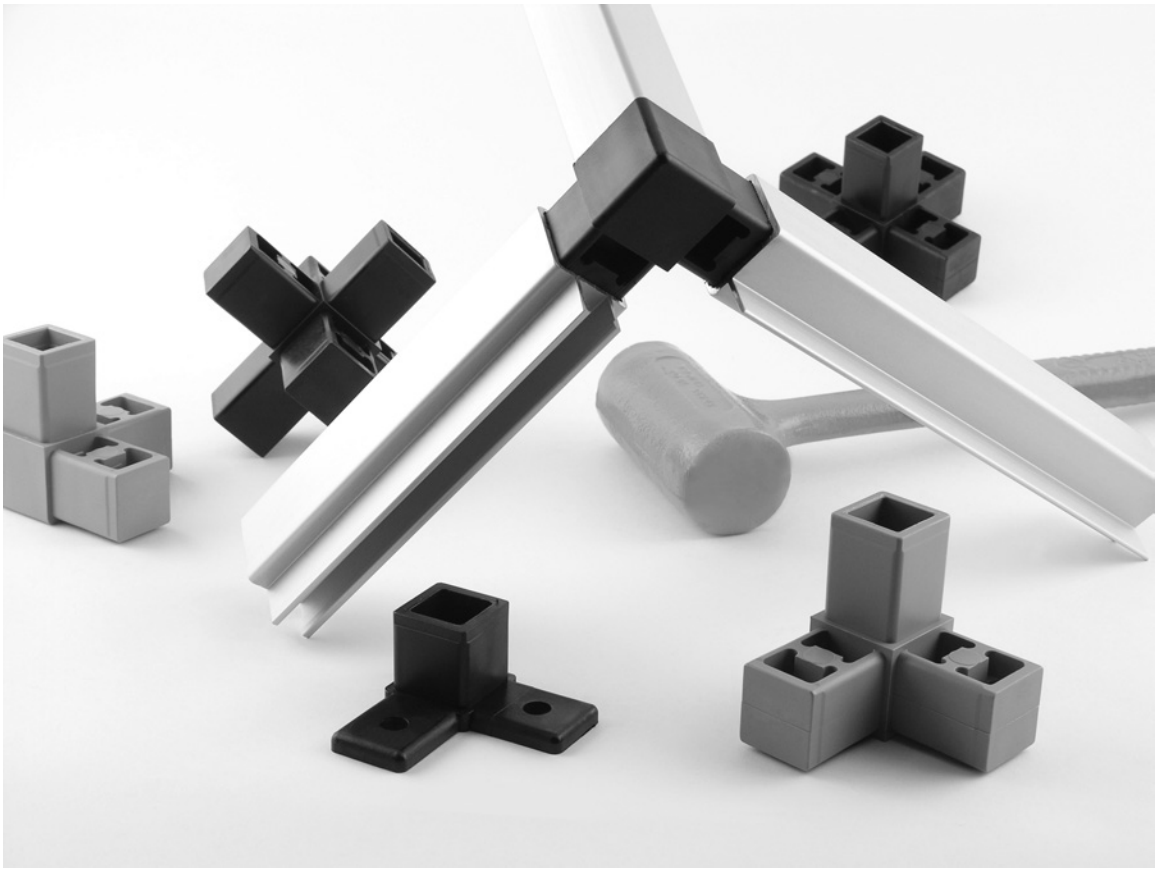
Introduction to Quick Frame Profiles

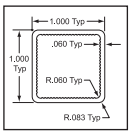
When we introduced our 1010 (1" x 1") T-slotted profile, we realized the infinite number of places where 1" x 1" aluminum T-slotted profiles could be applied. That's why we offer the Quick Frame tubular framing system. Economy and simplicity are the words that come to mind when describing this versatile product. Quick Frame does exactly what the name implies: it quickly becomes modular shelving, furniture, machine guards, tank covers, displays, carts - the list goes on and on.

Quick Frame assembly is easy. Simply cut the tube to length and hammer the tough nylon corners into the tube ends. Lighter in weight than our T-slotted profile, Quick Frame is more cost effective, and requires fewer parts and tools for assembly. The heart of the Quick Frame is the tough, molded nylon corners. Add 1" square aluminum tube, panel cladding sections, plastic panels, wire mesh, hinges, handles, wheels and many other accessories that fit our 1010 extrusions, and you have Quick Frame!



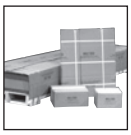
Section #1 Pictorial Table Of Contents

Introduction to Quick Frame Profiles



Page 1166

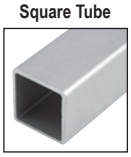
How to Order Quick Frame



Page 1168

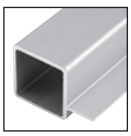
Quick Frame Aluminum Profiles

9000 Square Tube



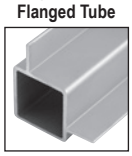
Page 1169

9005 Square Single Flanged Tube



Page 1169

9010 Sq. Rt. Angle Double Flanged Tube

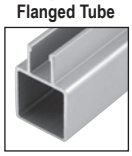


Page 1169

9015 Square Double Flanged Tube

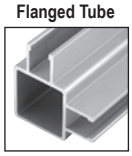
Page 1169

9025 Square Single Twin Flanged Tube



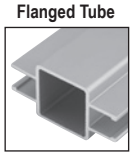
Page 1170

9030 Square Right Angle Double Twin Flanged Tube



Page 1170

9035 Square Double Twin Flanged Tube



Page 1170

80/20® Quick Frame Considerations

- 7 profiles to choose from
- 21 joint configurations
- Tough, molded nylon connectors
- Transition tees to connect Quick Frame to our 1010 profiles
- Only simple hand tools required to assemble this boltless construction
- Ideal for light duty applications
- Clear anodized for corrosion protection

www.8020.net/quickintro.asp

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How to Order 80/20® Quick Frame

To order Quick Frame, select the profile(s) and corner connections you would like to use. Decide if the Quick Frame profiles you have selected need machining (see page 1085-1090). Select your panel type and panel retainer (also hardware, if required). The type of panel retainer selected will depend largely on the type of Quick Frame profile selected. Include additional accessories such as hinges, handles, door latches, casters, leveling feet and threaded brackets to complete your application.

How To Order

Shipping Method: _____

Ordered By: _____

Complete Address & Shipping Method Required... NO P.O. Box

Ship To:

Customer: _____
Address: _____
City / State: _____
Attention: _____
Tag: _____

	Part Number	Quantity	Length	Description / Machining	Price	Ext. Price
1	9000	8	15.00"	1" Square Quick Frame	$.13	$15.60
	9000	4	11.50"	1" Square Quick Frame	$.13	$5.98
	9005	2	24.00"	7300 on A	$.15	$7.20
	9005	2	46.00"	7300 on A	$.15	$13.80
2	CM01-051006	2		Custom Bracket per Drawing #1	$23.00	$46.00
3	2611	1	8 sf	1/4 Bronze Polycarbonate @ 22" x 44"	$10.40	$83.20
4	7310	16		Cut-to-length	$1.60	$25.60
	7300	4		45° Flange Milling Service	$1.95	$7.80
	7150	1		Cut Plastic Panel	$10.50	$10.50
	7500	1		Edge Radius - Plastic Panel	$3.15	$3.15
5	9130	6		3-Way Tee - Gray	$2.60	$15.60
	9150	4		3-Way Tee - Gray	$2.60	$10.40
	9113	4		Caster Receptacle - Gray	$1.05	$4.20
	9360	4		Dual Wheel Caster	$5.35	$21.40
					TOTAL	$270.43

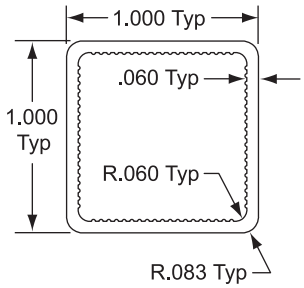
NOTE: Prices shown for illustration use only.
Contact your distributor for a personalized quote.

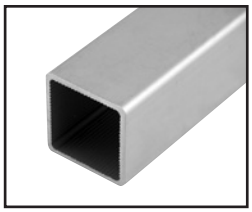
Special Instructions: ***Must be delivered for assembly by Friday!!!***

1 - Profiles = Pages 1169-1170 • 2 - Custom Parts= Pages 203-220 • 3 - Panels = Pages 1185-1202
4 - Machining Services = Pages 1209-1214 • 5 - Accessories & Tools = Pages 1171-1184 & 1203-1208

9000 - 1" Square Tube

Part No.	9000
Material	6105-T5
Finish	Clear Anodized
Weight Per Ft.	.258 Lbs.
Stock Length	145" +/- .125"

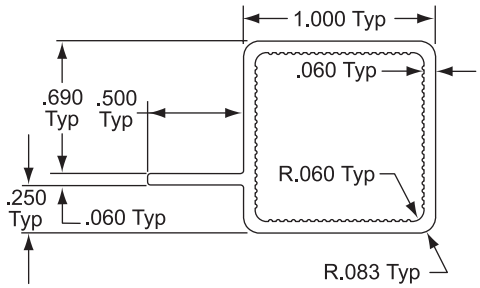


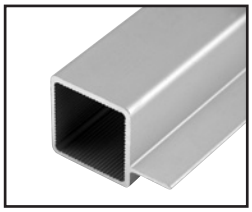


See Quick Frame Section 5 For Machining Services

9005 - 1" Square Single Flanged Tube

Part No.	9005
Material	6105-T5
Finish	Clear Anodized
Weight Per Ft.	.302 Lbs.
Stock Length	145" +/- .125"

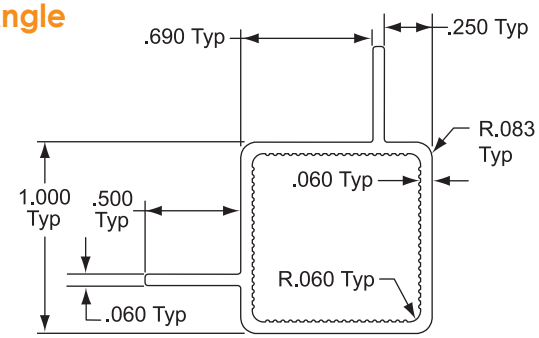


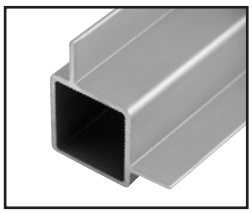


See Quick Frame Section 5 For Machining Services

9010 - 1" Square Right Angle Double Flanged Tube

Part No.	9010
Material	6105-T5
Finish	Clear Anodized
Weight Per Ft.	.390 Lbs.
Stock Length	145" +/- .125"

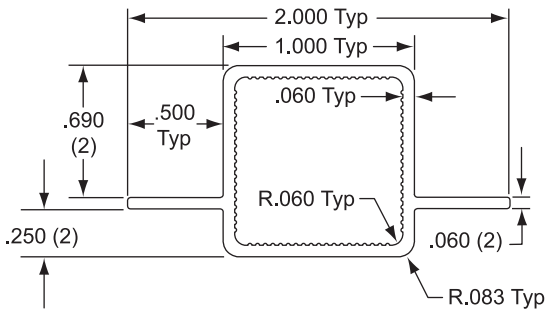


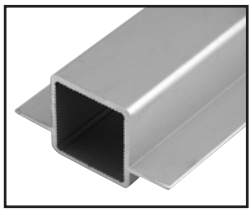


See Quick Frame Section 5 For Machining Services

9015 - 1" Square Double Flanged Tube

Part No.	9015
Material	6105-T5
Finish	Clear Anodized
Weight Per Ft.	.390 Lbs.
Stock Length	145" +/- .125"





See Quick Frame Section 5 For Machining Services

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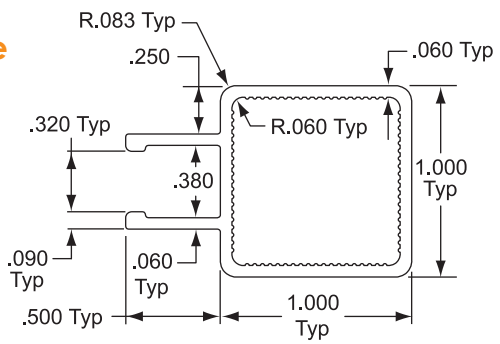
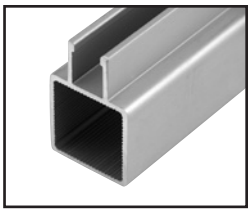
9025 - 1" Square Single Twin Flanged Tube

Part No.	9025
Material	6105-T5
Finish	Clear Anodized
Weight Per Ft.	.354 Lbs.
Stock Length	145" +/- .125"

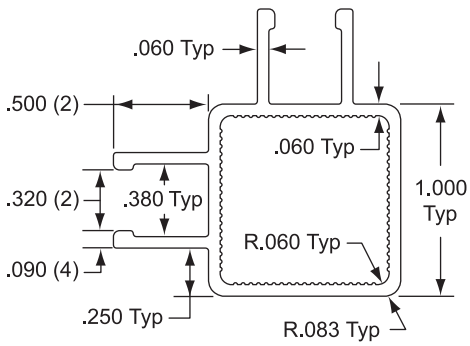


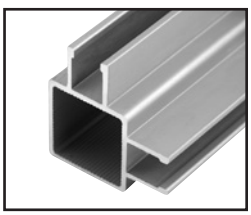


See Quick Frame Section 5 For Machining Services

9030 - 1" Sq. Right Angle Double Twin Flanged Tube

Part No.	9030
Material	6105-T5
Finish	Clear Anodized
Weight Per Ft.	.426 Lbs.
Stock Length	145" +/- .125"

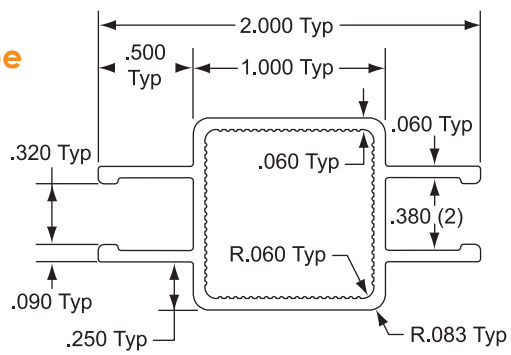


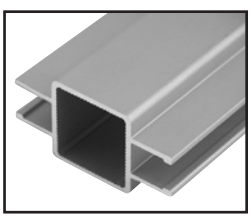


See Quick Frame Section 5 For Machining Services

9035 - 1" Square Double Twin Flanged Tube

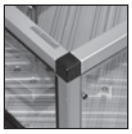
Part No.	9035
Material	6105-T5
Finish	Clear Anodized
Weight Per Ft.	.426 Lbs.
Stock Length	145" +/- .125"





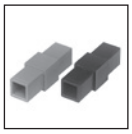
See Quick Frame Section 5 For Machining Services

Section #2 Pictorial Table Of Contents

Introduction to Quick Frame Connectors

Page 1172

End Cap

Page 1173

2-Way Connector

Page 1173

2-Way Corner

Page 1174

Straight 90° Base Connector

Page 1174

Corner 90° Base Connector

Page 1175

3-Way Tee

Page 1175

3-Way Corner

Page 1176

Cross Connector

Pages 1176

4-Way Connector

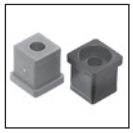
Page 1177

5-Way Junction

Page 1177

6-Way Junction

Page 1178

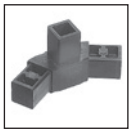
Caster or Spacer Receptacle

Page 1178

3-Way Caster or Spacer Corner

Pages 1179

Spacer

Page 1179

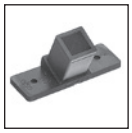
Hexagon Side Bottom

Page 1180

Octagon Side Bottom

Page 1180

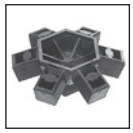
Hexagon T-Cross

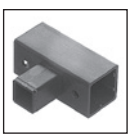
Page 1181

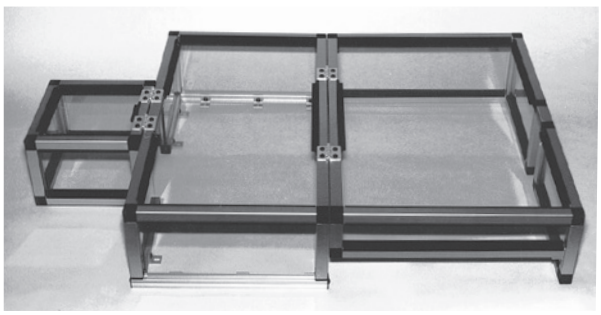
Octagon T-Cross

Page 1181

Hexagon Side Top

Page 1182

Hexagon Top

Page 1183

Transition Tee

Page 1184



www.8020.net/quickassemble.asp

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Introduction to Quick Frame Connectors

Quick Frame assembly is easy. Simply cut the tube to length and hammer the tough nylon corners into the tube ends. Lighter in weight than our T-slotted profile, Quick Frame is more cost effective, and requires fewer parts and tools for assembly.

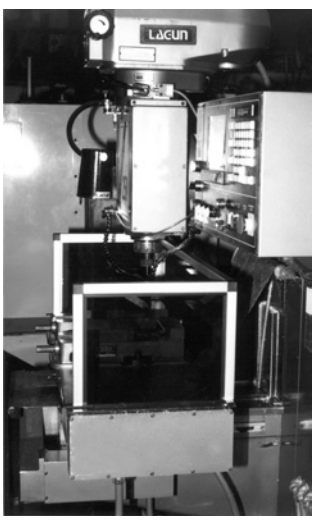
The heart of the Quick Frame is the tough, molded nylon corner. Add 1" square aluminum tube, panel cladding sections, plastic panels, wire mesh, hinges, handles, wheels and many other accessories that fit our 1010 extrusions, and you have Quick Frame!

80/20 Quick Frame Advantages

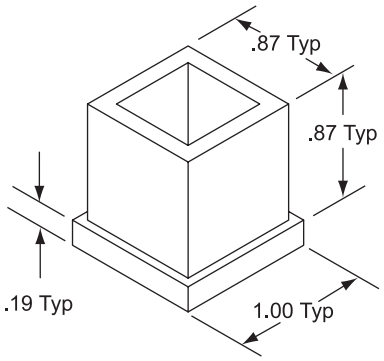
- **Cost-effective**
- **Quick and easy to assemble**
- **Lightweight**
- **Clear anodized Quick Frame provides corrosion resistance**
- **Black nylon corner connectors**

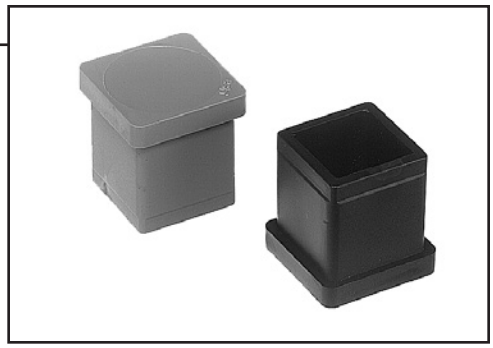
80/20 Quick Frame Considerations

- **A clean method of connecting profiles in various configurations**
- **Easily applied to any Quick Frame profile**
- **No mounting hardware required**
- **Tough nylon locks with grooves inside Quick Frame profiles**



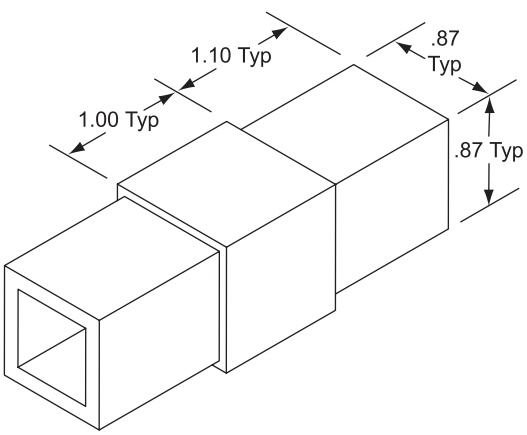
End Caps

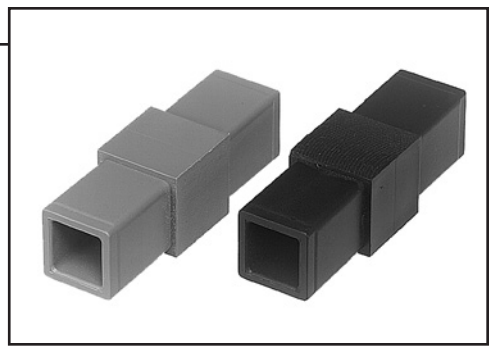




Part No.	Description	Color	Lbs.
9110	End Cap	Gray	.021
9210	End Cap	Black	.021

2 Way Connector





Part No.	Description	Color	Lbs.
9115	2 Way Connector	Gray	.065
9215	2 Way Connector	Black	.065

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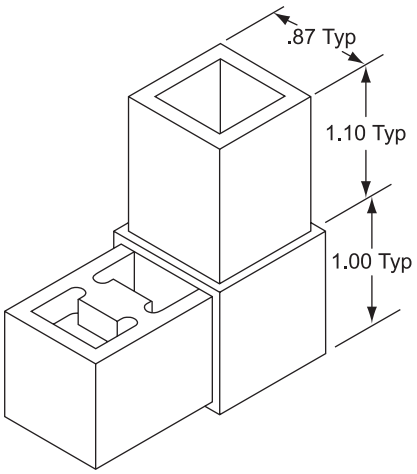
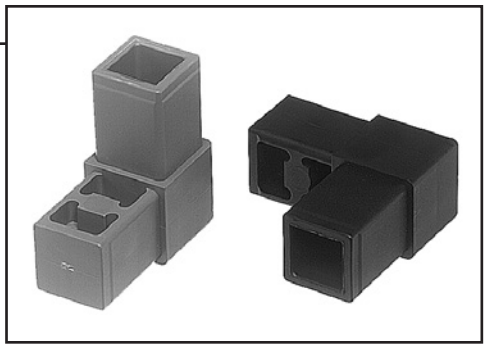
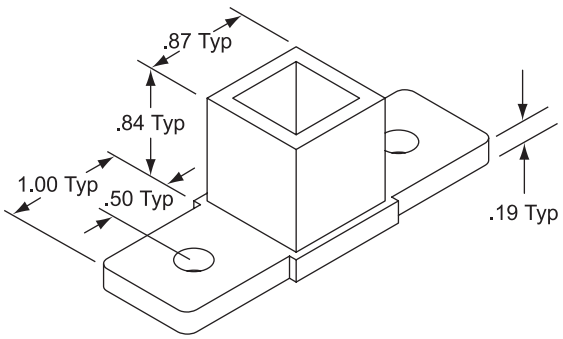
2 Way Corner

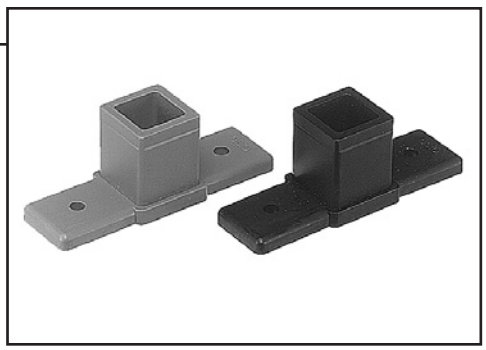




Part No.	Description	Color	Lbs.
9120	2 Way Corner	Gray	.065
9220	2 Way Corner	Black	.065

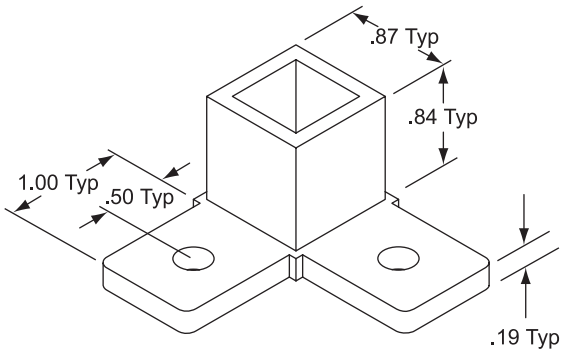
Straight 90° Base Connector

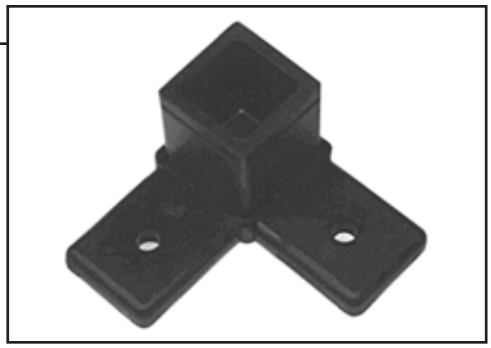




Part No.	Description	Color	Lbs.
9140	Straight 90° Base Connector	Gray	.030
9240	Straight 90° Base Connector	Black	.030

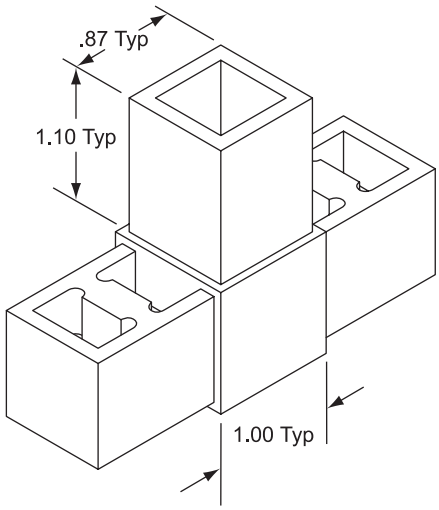
Corner 90° Base Connector

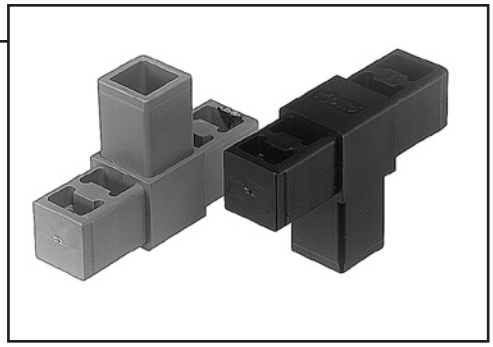




Part No.	Description	Color	Angle	Lbs.
9242	Corner 90° Base Connector	Black	90°	.030

3 Way Tee





Part No.	Description	Color	Lbs.
9130	3 Way Tee	Gray	.080
9230	3 Way Tee	Black	.080

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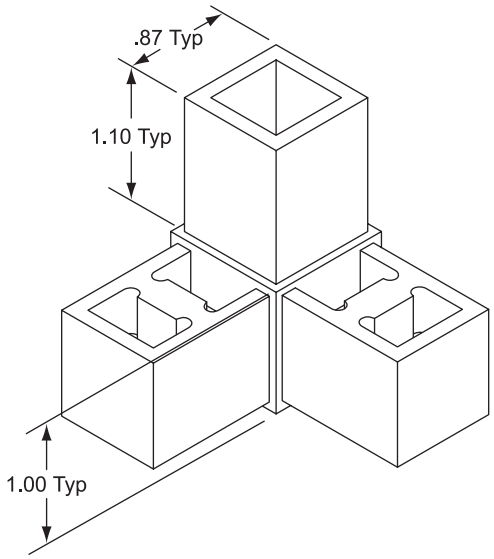
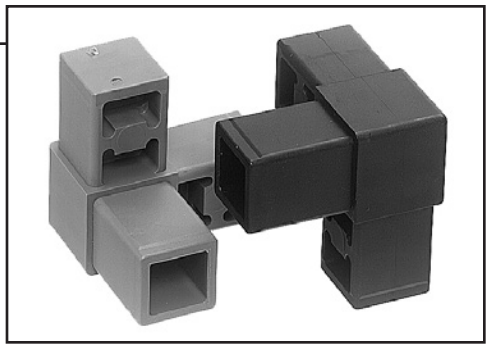
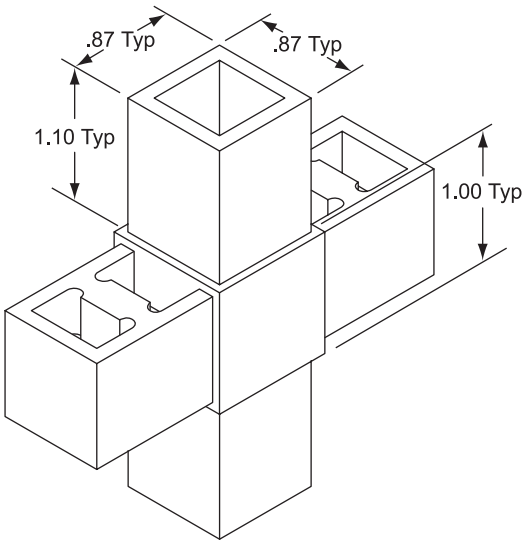
3 Way Corner

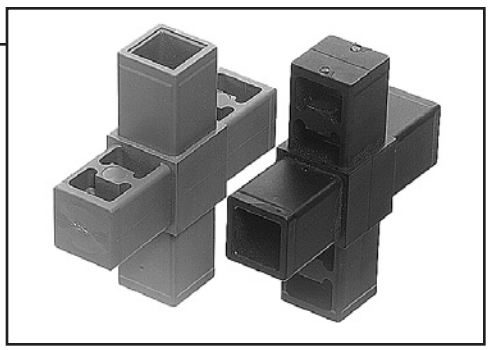




Part No.	Description	Color	Lbs.
9150	3 Way Corner	Gray	.080
9250	3 Way Corner	Black	.080

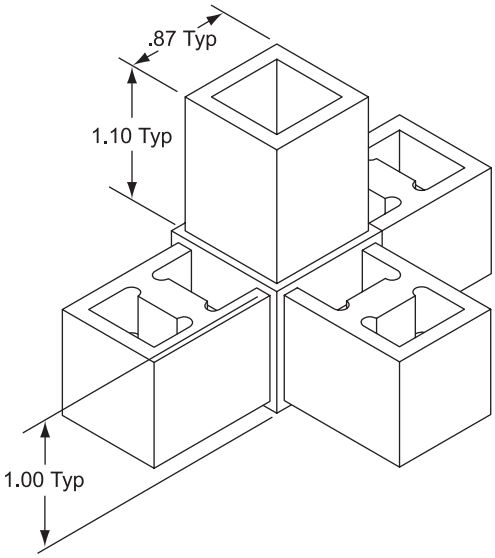
Cross Connector

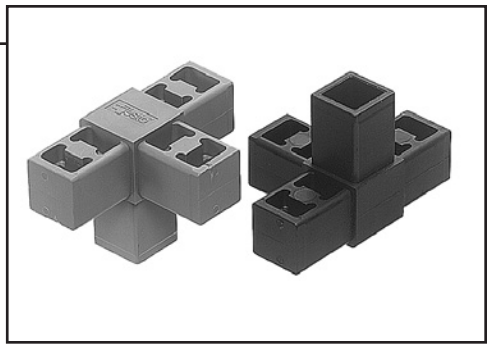




Part No.	Description	Color	Lbs.
9160	Cross Connector	Gray	.100
9260	Cross Connector	Black	.100

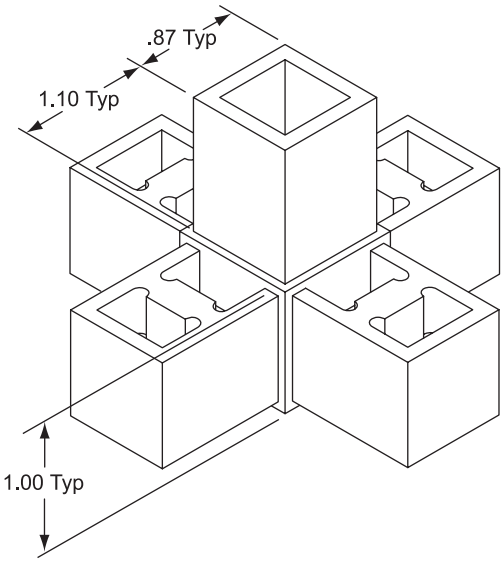
4 Way Connector

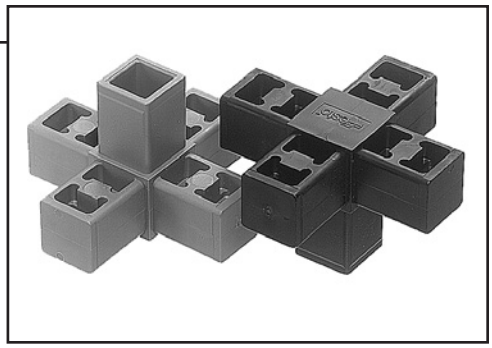




Part No.	Description	Color	Lbs.
9170	4 Way Connector	Gray	.100
9270	4 Way Connector	Black	.100

5 Way Junction





Part No.	Description	Color	Lbs.
9180	5 Way Junction	Gray	.125
9280	5 Way Junction	Black	.125

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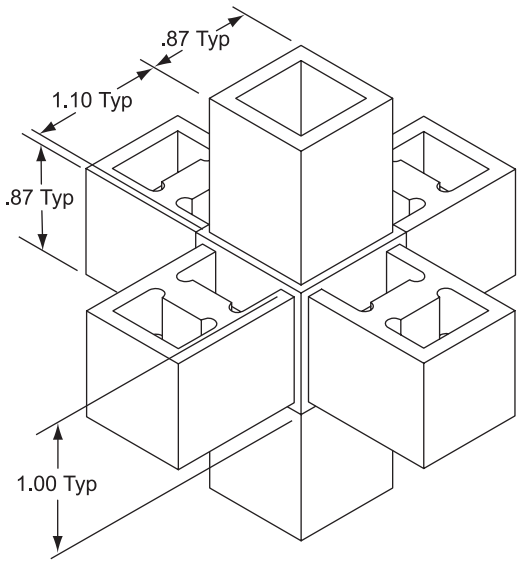
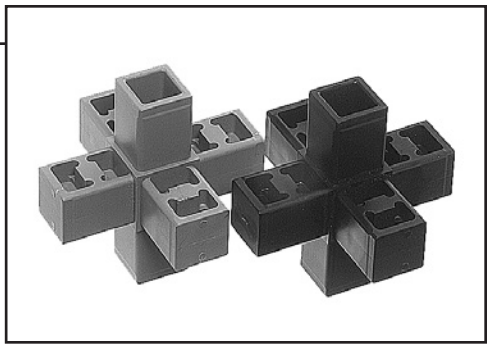
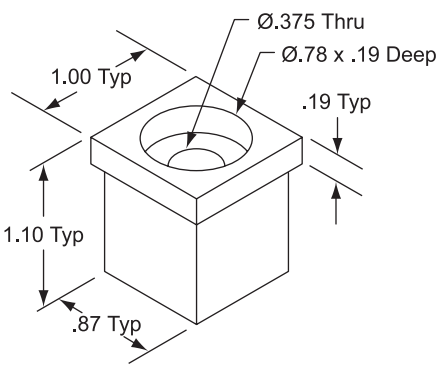
6 Way Junction

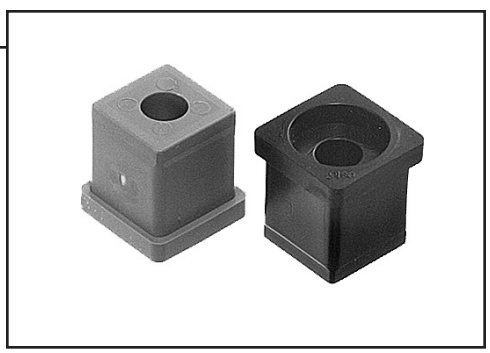




Part No.	Description	Color	Lbs.
9190	6 Way Junction	Gray	.140
9290	6 Way Junction	Black	.140

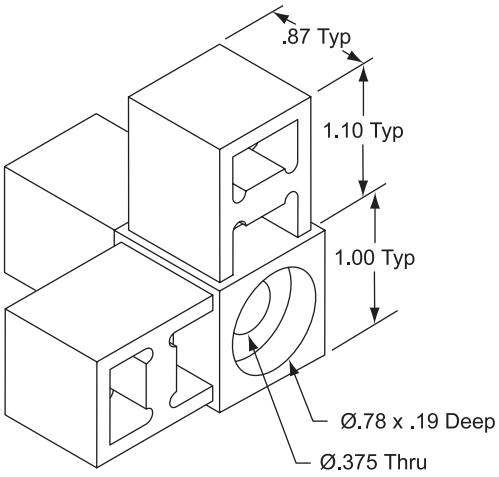
Caster or Spacer Receptacle

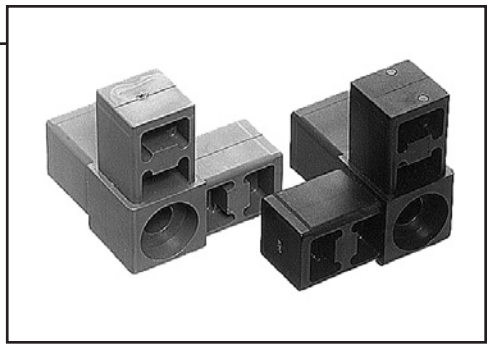




Part No.	Description	Color	Lbs.
9113	Caster or Spacer Receptacle	Gray	.025
9213	Caster or Spacer Receptacle	Black	.025

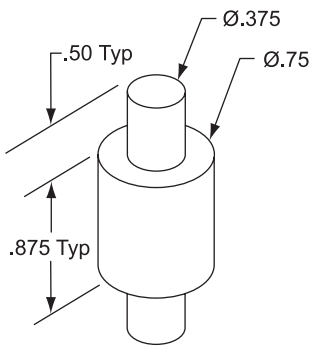
3 Way Caster or Spacer Corner

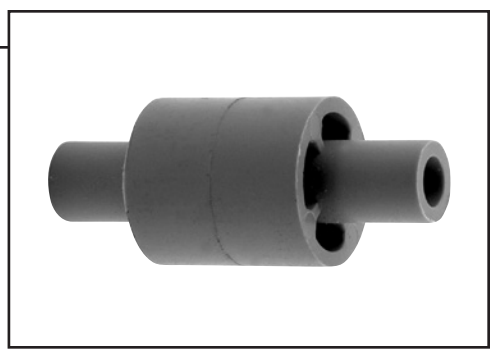


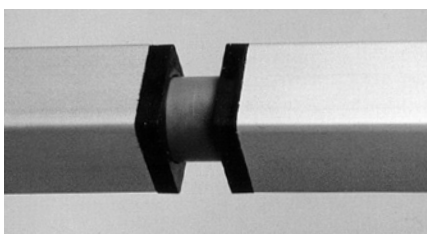


Part No.	Description	Color	Lbs.
9153	3 Way Caster or Spacer Corner	Gray	.090
9253	3 Way Caster or Spacer Corner	Black	.090

Spacer







Part No.	Description	Color	Lbs.
9198	Spacer	Gray	.015

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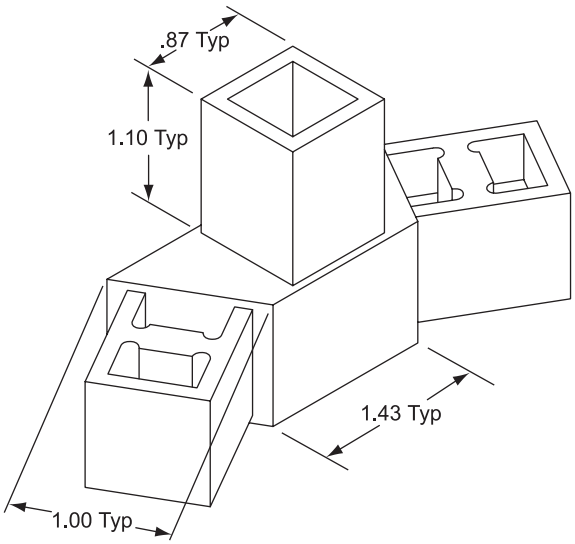
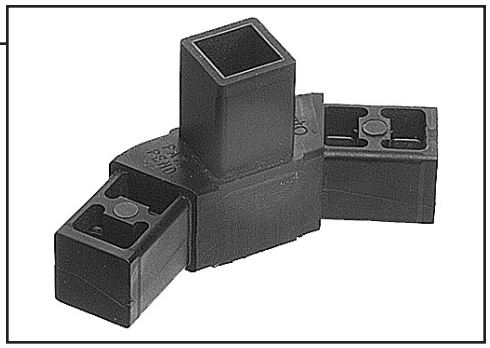
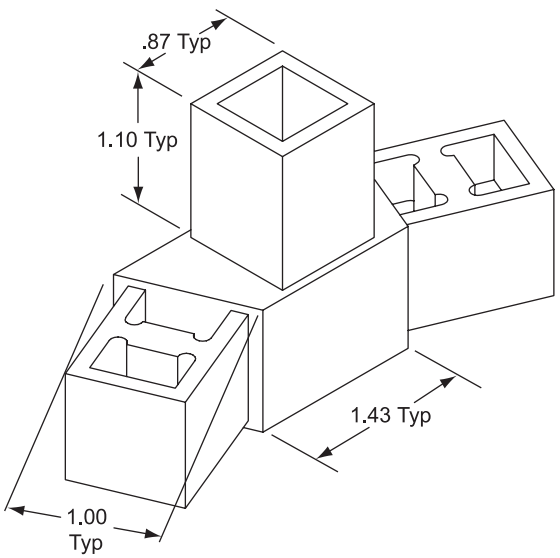
Hexagon Side Bottom

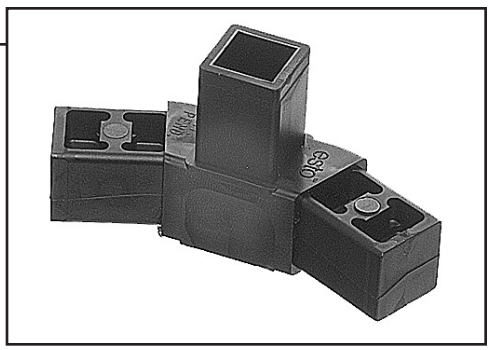




Part No.	Description	Color	Angle	Lbs.
9273	Hexagon Side Bottom	Black	60°	.105

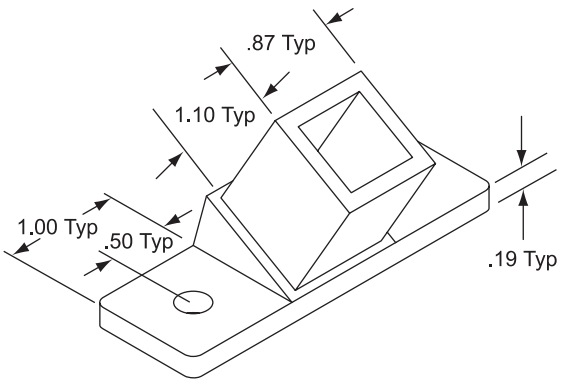
Octagon Side Bottom

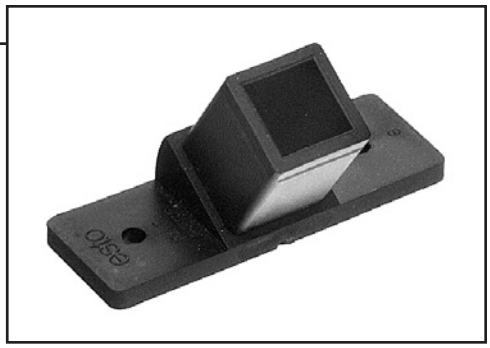




Part No.	Description	Color	Angle	Lbs.
9271	Octagon Side Bottom	Black	45°	.110

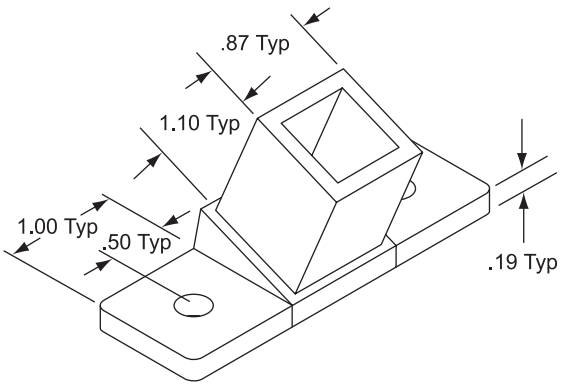
Hexagon T-Cross

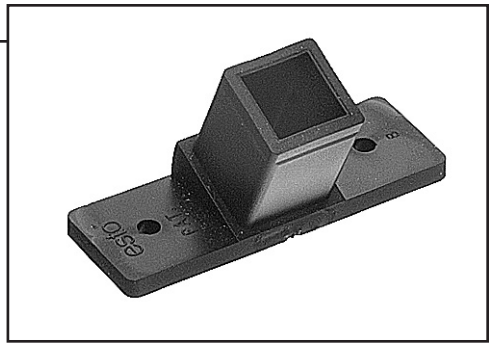




Part No.	Description	Color	Angle	Lbs.
9245	Hexagon T-Cross	Black	30°	.040

Octagon T-Cross





Part No.	Description	Color	Angle	Lbs.
9247	Octagon T-Cross	Black	22.5°	.040

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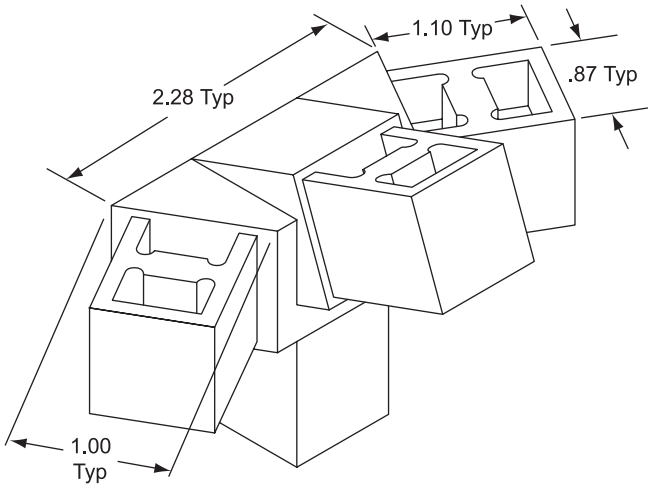
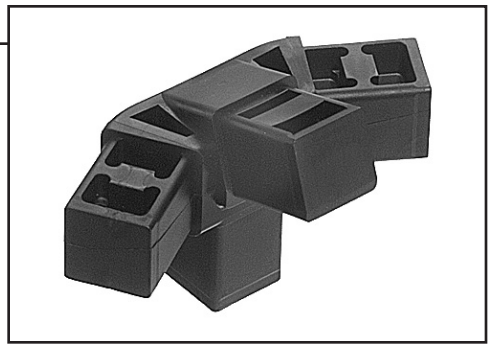
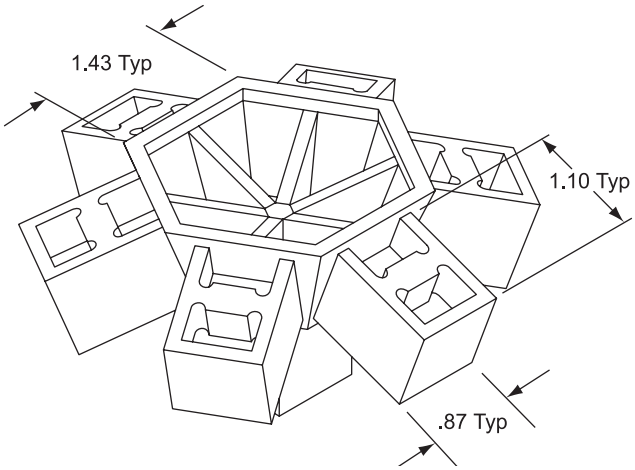
Hexagon Side Top

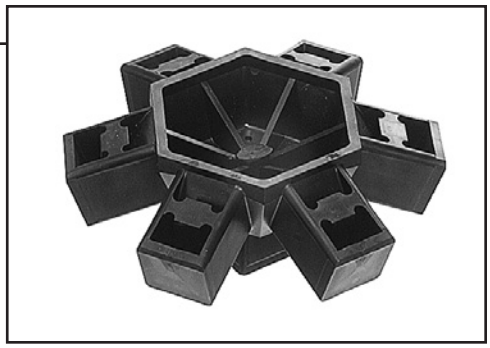




Part No.	Description	Color	Angle	Lbs.
9275	Hexagon Side Top	Black	60°/Top Pitch 20°	.140

Hexagon Top





Part No.	Description	Color	Angle	Lbs.
9297	Hexagon Top	Black	Top Pitch 20°	.195

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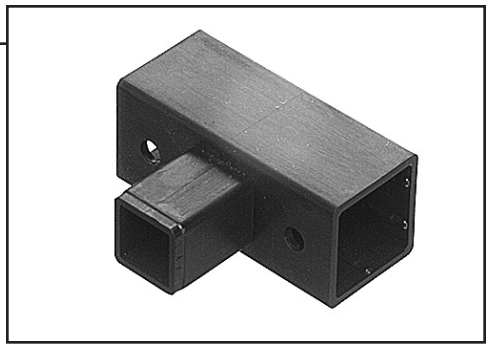
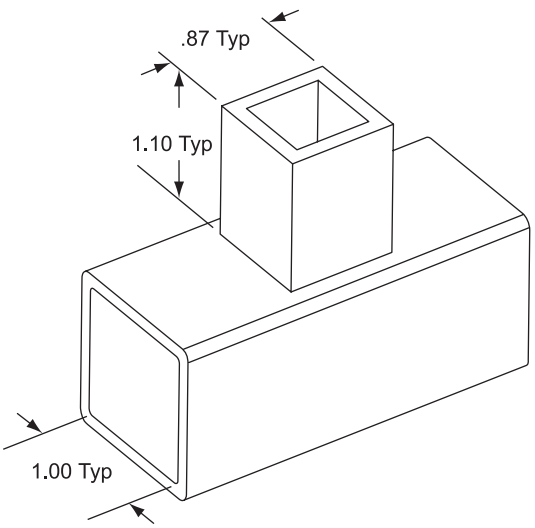
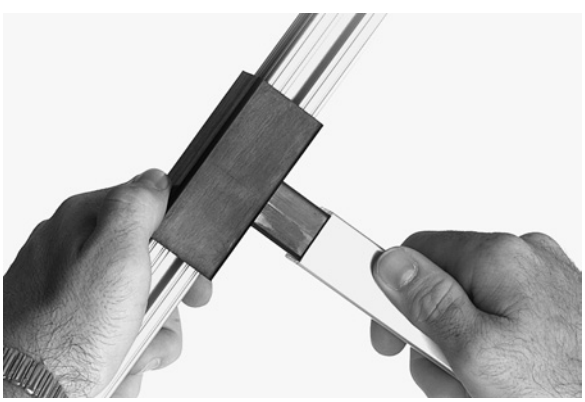
Transition Tee



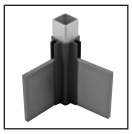
- **Connects standard 1" Quick Frame tube to 80/20's 1" square T-slotted extrusion (Part No. 1010)**
- **Two .281" holes in the transition tee's side permit installation of 1/4-20 screws and T-nuts to secure connector to 1010**
- **(2) Bolt kits, Part No. 3386 required**

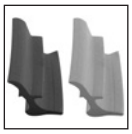


Part No.	Description	Color	Lbs.
9330	Transition Tee	Black	.075



Section #3 Pictorial Table Of Contents

Panel Retainers

Page 1186

Panel Gaskets

Page 1187

Mesh Panel Retainers

Page 1188

Adjustable Hinge

Page 1189

Aluminum Hinge

Page 1190

Magnetic Door Catch

Page 1191

Steel Door Handle

Page 1191

Acrylic Panels

Page 1192

AR Polycarb Panels

Page 1192

Polycarbonate Panels

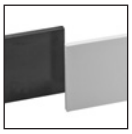
Page 1193

Recycled Polycarb Panels

Page 1193

ABS Haircell Panels

Page 1194

Impact Resistant Panels

Page 1194

Expanded PVC Panels

Page 1195

Alucobest Panels

Page 1196

Alumalite® Panels

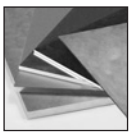
Page 1196

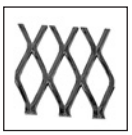
Twin Wall Polycarb Panels

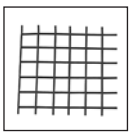
Page 1197

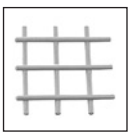
HDPE Panels

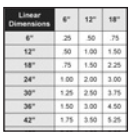
Page 1198

Aluminum Panels

Page 1198

Expanded Metal Panels

Page 1199

Wire Mesh Panels

Page 1200

Thermoplastic Coated Wire Mesh

Page 1201

Panel Area Chart


Linear Dimensions	6"	12"	18"
6"	.25	.50	.75
12"	.50	1.00	1.50
18"	.75	1.50	2.25
24"	1.00	2.00	3.00
30"	1.25	2.50	3.75
36"	1.50	3.00	4.50
42"	1.75	3.50	5.25

Page 1202

Quick Frame Compatibility

What better way to create an enclosure or integrate storage into your Quick Frame application than by using an 80/20® hinge, panel mount bracket, one of our panel choices or wire mesh options? Please take the time to review everything 80/20 has to offer. It may give you more great ideas for things you can create and problems you can solve with our products!

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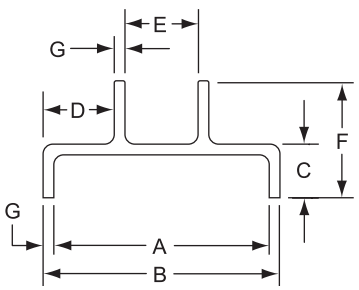
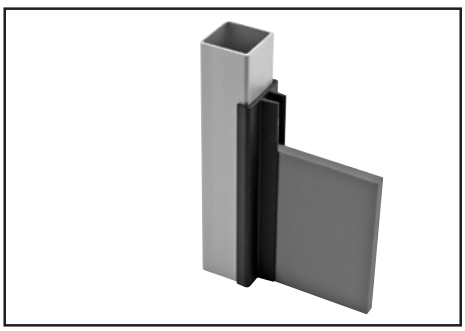
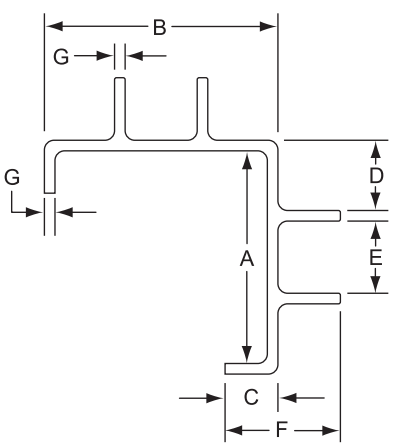
Panel Retainers

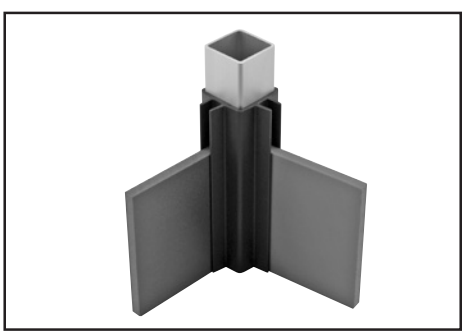
- **Snaps over the outside of 80/20®'s Quick Frame square profiles**
- **Holds 1/4" thick panels securely**
- **Made from black PVC**
- **Provides ample strength to use in guarding & shelving applications**
- **Stock length = 72.5"**
- **See pages 1192-1201 for panel selections**





9355
Single
Section





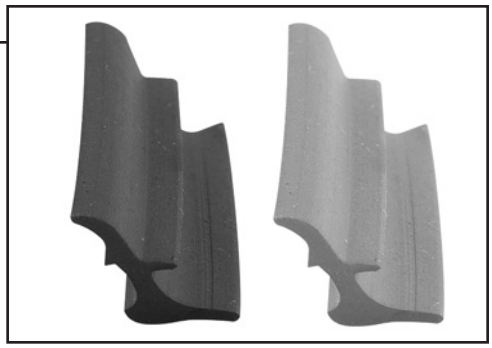
9356
2 Way
Section

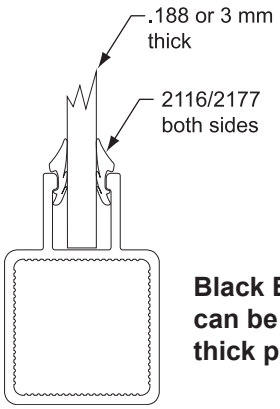
Part No.	Description	A	B	C	D	E	F	G	Lbs./Stock Length
9355	Single Section Panel Retainer	.990	1.100	.290	.370	.250	.640	.070	.445
9356	2 Way Section Panel Retainer	.984	1.100	.177	.370	.250	.527	.070	.835

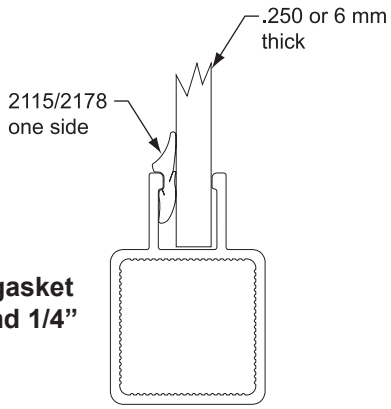
NOTE: All dimensions shown are typical.

Panel Gaskets

- **Available in gray silicone or black EPDM**
- **Easily inserted after panel is assembled in frame**
- **See illustration below to keep panels from .125" thick to .250" secure and rattle-proof**
- **Order gasket by the foot**



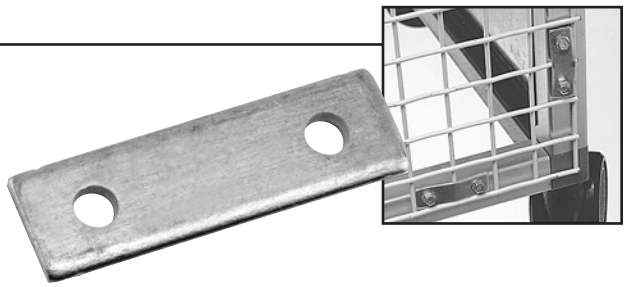




Black EPDM or gray silicone panel gasket can be used to mount 1/8", 3/16", and 1/4" thick panels. No fasteners required.

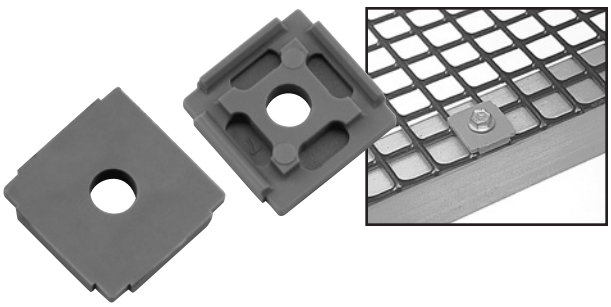
Part No.	Description	Color	Lbs.
2116	10 Series Rubber Panel Gasket	Black EPDM	.015 (Per Foot)
2177	10 Series Rubber Panel Gasket	Gray Silicone	.020 (Per Foot)
2115	15 Series Rubber Panel Gasket	Black EPDM	.025 (Per Foot)
2178	15 Series Rubber Panel Gasket	Gray Silicone	.030 (Per Foot)

Mesh Panel Retainers



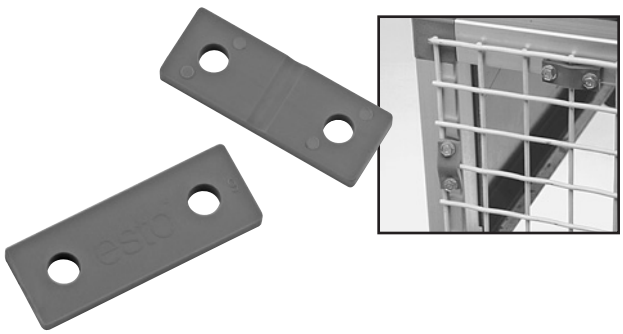
9300 - 1" MESH RETAINER

- Straddles wire in 1" x 1" wire panels
- Fastens to 1" square tube with either Part No. 9301 or 9302 shown below
- Retains 1" mesh shown on pages 1200-1201
- Made of aluminum



9305 - 1/2" MESH FASTENER

- Retains 1/2" mesh shown on pages 1200-1201
- Fastens to 1" square tube with Part No. 9301 or Part No. 9302 shown below
- Made of gray nylon



9310 - 1" MESH FASTENER

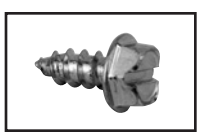
- Retains 1" mesh shown on pages 1200-1201
- Fastens to 1" square tube with Part No. 9301 or 9302 shown below
- Made of gray nylon

SELF TAPPING SCREW

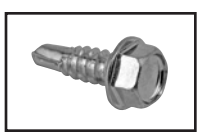
- Requires a .125" (1/8") dia. hole

SELF DRILLING SCREW

- No pre-drilling required



9320



9325

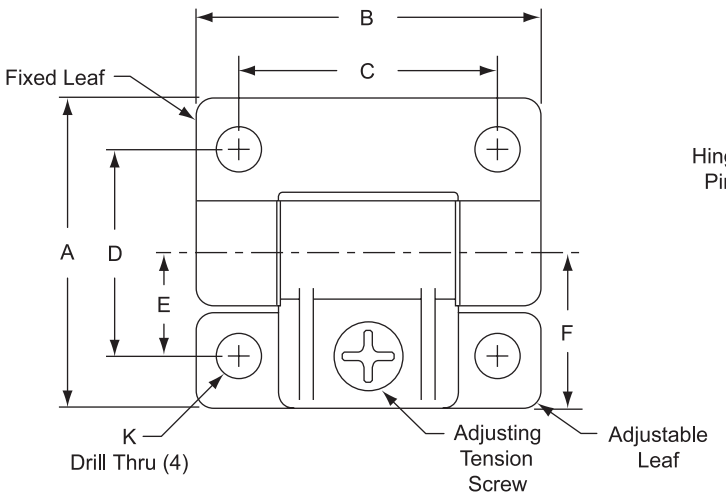
Part No.	Description	Lbs.
9300	1" Aluminum Mesh Retainer	.010
9305	1/2" Plastic Mesh Fastener	.003
9310	1" Plastic Mesh Fastener	.005
9320	#8 x 1/2" Self Tapping Screw	.003
9301	#8 x 5/8" Self Tapping Screw	.003
9306	1/4 x 5/8" Self Tapping Screw	.004
9325	#8 x 1/2" Self Drilling Screw	.003
9302	#8 x 5/8" Self Drilling Screw	.003
9307	1/4 x 3/4" Self Drilling Screw	.004

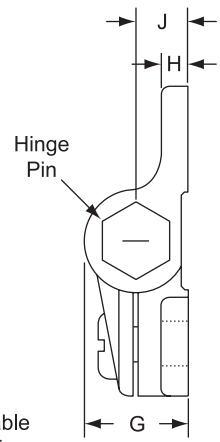
Adjustable Hinges

- **Compatible with Quick Frame Series**
- **Body made of black acetal with clear polycarbonate hinge pins**
- **Durable yet economical; allows adjustment of pivot tension**
- **Hinges mount plastic panels and lightweight doors to Quick Frame profiles**
- **Attaches to Quick Frame with Part No. 9320, 9301 or 9325 or 9302 screws shown on page 1188**

2081

Note: This hinge is not suitable for hinging T-slotted profiles together.

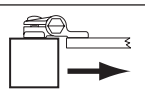
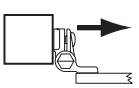
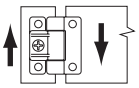




Part No.	A	B	C	D	E	F	G	H	J	K	Lbs.
2081 ⊠	1.440	1.690	1.250	1.000	.500	.720	.500	.230	.270	.197	.030

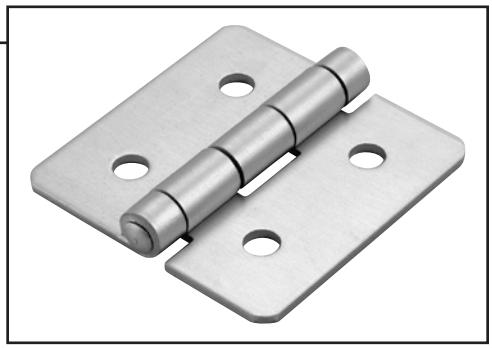
⊠ = 10 Series Compatible Part

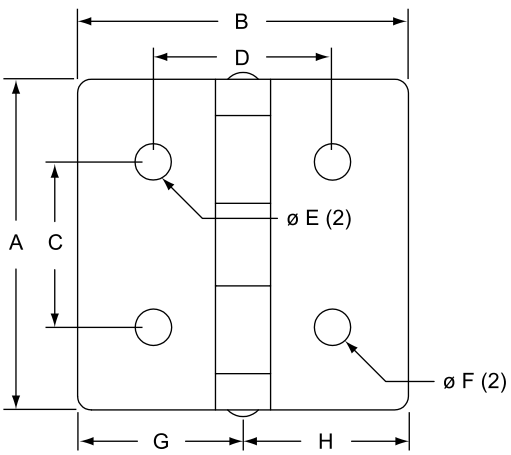
Adjustable Hinge Strength Guidelines

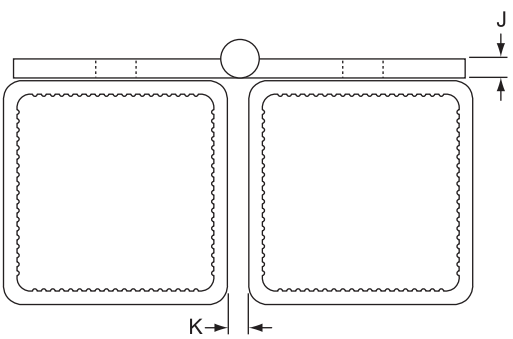
		2081
Ultimate Tensil		375 Lbs.
Ultimate Tensil		286 Lbs.
Ultimate Shear		182 Lbs.

Aluminum Hinges

- Compatible with Quick Frame Series
- Attaches to Quick Frame with Part No. 9306 or 9307 screws shown on page 1188
- Clear anodize finish
- Maximum load capacity is 40 lbs.
- Mount heavier doors or even two profiles side by side

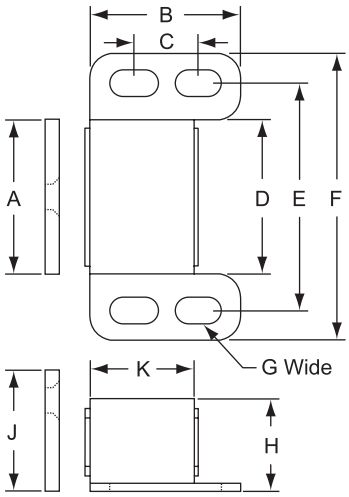


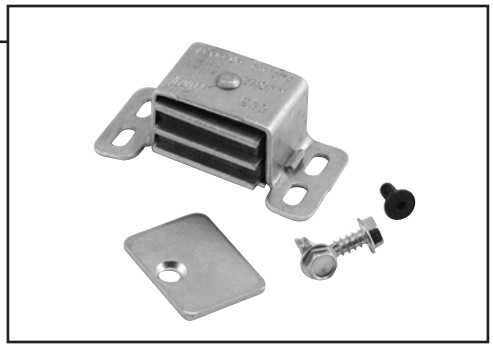




Part No.	A	B	C	D	E	F	G	H	J	K	Capacity	Lbs.
2086	2.000	2.000	1.000	1.063	.257 (2)	.257 (2)	1.000	1.000	.078	.063	40 Lbs.	.055

Magnetic Door Catch

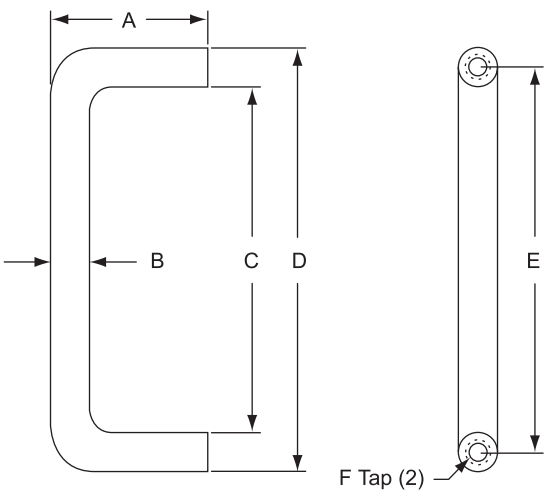


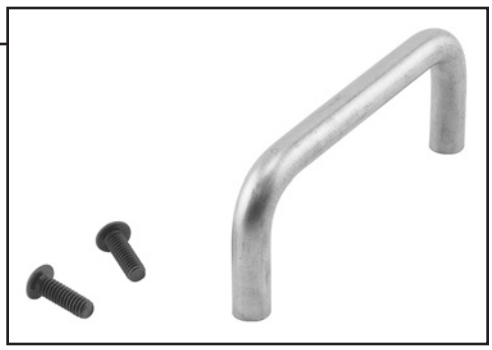


- **Compatible with Quick Frame Series**
- **All required mounting hardware included**
- **Lightweight, ideal for latching plastic panels in place**
- **Tap required in panel for mounting striker plate; refer to page 1214, Misc. Panel Machining**

Part No.	A	B	C	D	E	F	G	H	J	K	Lbs.
9315	1.142	1.000	.650	1.224	1.673	2.087	.154	.720	.890	.909	.120

Steel Door Handle



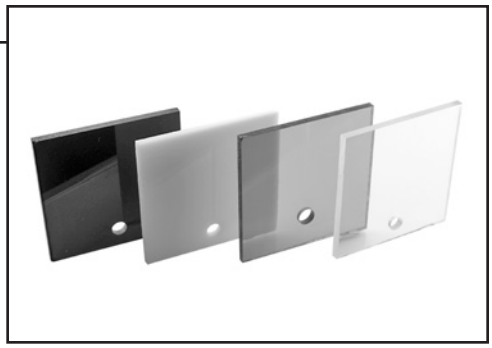


- **Bolts directly to plastic panels**
- **Compact size is ideal for low profile applications**
- **All mounting hardware included – (2) 8-32 x 1/2" BHSCS**

Part No.	A	B	C	D	E	F	Lbs.
2070	1.230	.310	2.690	3.300	3.000	8-32 x .50 Deep	.105

Acrylic Panels

- **Cost-effective panel alternative**
- **High optical clarity**
- **Resistant to weather elements**
- **Stable up to 180º**
- **Cut plastic panels to size with 7150 or 7155 services on page 1212**



Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2601	Clear	.220 - .236"	1.450	48" x 96" + .250/-0
2602	Clear	.177"	.840	48" x 96" + .250/-0
2603	White	.220 - .236"	1.450	48" x 96" + .250/-0
2604	White	.177"	.840	48" x 96" + .250/-0
2605	Black	.220 - .236"	1.450	48" x 96" + .250/-0
2606	Black	.177"	.840	48" x 96" + .250/-0
2607	Bronze	.220 - .236"	1.450	48" x 96" + .250/-0
2608	Bronze	.177"	.840	48" x 96" + .250/-0

Acrylic panels are a cost-effective alternative to polycarbonate. While less impact-resistant, acrylic is lighter in weight and available in more colors. Acrylic is great in applications where optical clarity and resistance to the elements are important. Only half as heavy as glass and only 40% as heavy as aluminum, acrylic is also easy to cut, drill, rout and paint. Use acrylic for applications such as displays, signs, furniture, low-impact guarding and partitions.

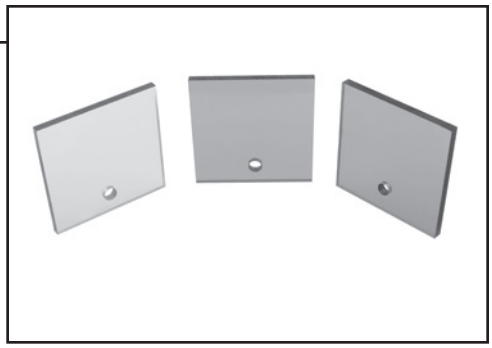
AR Polycarbonate Panels

- **Abrasion-resistant coating**
- **High impact resistance**
- **Stable up to 240º**
- **Good visual transparency**
- **Cut plastic panels to size with 7150 or 7155 services on page 1212**
- **See pages 1212-1214 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2641	Clear	.177"	1.150	48" x 96" + .250/-0
2642	Clear	.220 - .236"	1.500	48" x 96" + .250/-0

Abrasion Resistant Polycarbonate is a standard polycarbonate panel with an abrasion-resistant coating. This hard coat surface gives a durable, impact-resistant polycarbonate panel the wearability of an acrylic sheet. AR Polycarbonate can be used to maintain a clear view of an enclosed operation on machine guards and other safety applications in high traffic areas.

Polycarbonate Panels



- **Easily machinable**
- **Good optical clarity**
- **High impact resistance**
- **Stable up to 240º**
- **Now available in .118", .375" and .500" thickness**
- **Cut plastic panels to size with 7150 or 7155 services on page 1212 (for .375 and .500 thick panels, use 7151 or 7153 services)**
- **See pages 1212-1214 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2643	Clear	.118"	.737	48" x 96" + .250/-0
2610	Clear	.177"	1.150	48" x 96" + .250/-0
2609 *	Clear	.220 - .236"	1.500	48" x 96" + .250/-0
				60" x 96" + .250/-0
2644	Clear	.375"	2.340	48" x 96" + .250/-0
2645	Clear	.500"	3.120	48" x 96" + .250/-0
2612	Bronze	.177"	1.150	48" x 96" + .250/-0
2611	Bronze	.220 - .236"	1.500	48" x 96" + .250/-0
2630	Gray	.177"	1.150	48" x 96" + .250/-0
2629	Gray	.220 - .236"	1.500	48" x 96" + .250/-0

*** Specify sheet size when ordering**

Polycarbonate is a high-performance industrial application panel. Easily machined with standard hand tools, the high impact resistance offered by polycarbonate prevents cracking, chipping, or breaking when cutting or drilling panels.

Recycled Polycarbonate Panels

- **Same machinability and impact resistance as our standard "virgin" polycarbonate panels**
- **Made from less costly, recycled material ***
- **Stable up to 240°**

* When compared to our standard "virgin" polycarbonate panels, recycled material may appear slightly tinted

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2647	Clear	.177"	1.150	48" x 96" + .250/-0
2646	Clear	.220 - .236"	1.500	48" x 96" + .250/-0

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

ABS Haircell Panels

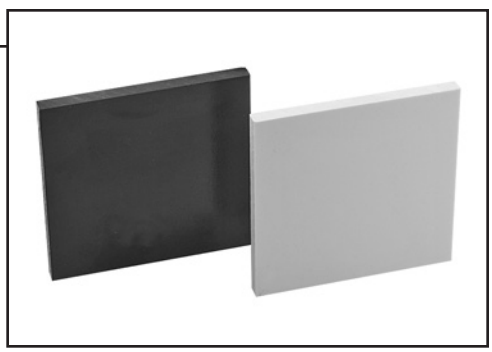
- **Lightweight**
- **Textured side hides marks and scratches**
- **Cost-effective**
- **Stable up to 180º**
- **Cut plastic panels to size with 7150 or 7155 services on page 1212**
- **See pages 1212-1214 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2613	Black	.236"	1.700	54" + .250/-0 x 103" + .625/-0
2614	Black	.177"	1.000	48" + .250/-0 x 96" + .500/-0

ABS Haircell is a great cost-effective alternative to acrylic and polycarbonate. ABS Haircell has a unique textured side, which hides scratches and other marks while offering greater impact resistance than acrylic panels. Easily machined, ABS Haircell is a general purpose sheet that is well suited to almost any application, including furniture, workstations, displays, guarding and partitions.

Kydex® Panels

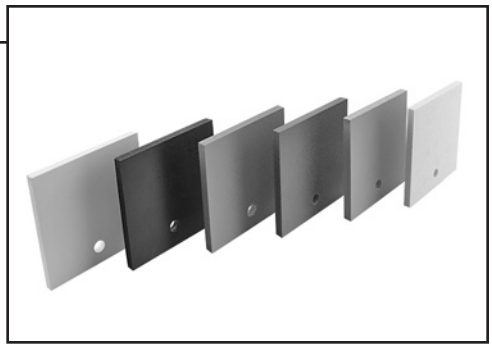
- **Impact-resistant panel**
- **Fire rated UL 94 V-O**
- **Textured finish on front of panel hides marks and scratches**
- **Available in black or yellow**
- **Stable up to 160º**



Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2660	Black	.187"	1.150	48" x 96" + .375/-0
2661	Black	.250"	1.500	48" x 96" + .375/-0
2662	Yellow	.187"	1.150	48" x 96" + .375/-0
2663	Yellow	.250"	1.500	48" x 96" + .375/-0

This impact-resistant sheet features a colored cap with a similarly colored substrate. Textured on one side, this fire-retardant panel combines an aesthetic appearance with long service life.

Expanded PVC Panels

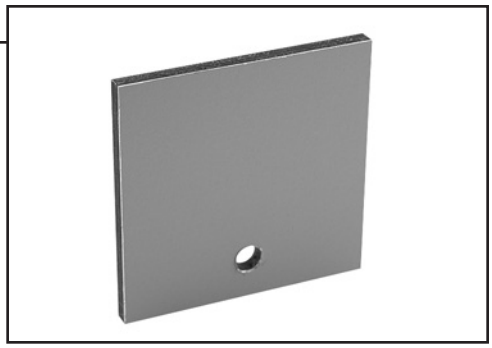


- **Low cost and lightweight**
- **Decorative applications can be designed using several of our available colors**
- **Stable up to 140º**
- **Good chemical resistance**
- **Cut plastic panels to size with 7150 or 7155 services on page 1212**
- **See pages 1212-1214 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2615	White	.236”	.900	48” + .197/-0 x 96” + .394/-0
2616	White	.118”	.500	48” + .197/-0 x 96” + .394/-0
2617	Black	.236”	.900	48” + .197/-0 x 96” + .394/-0
2618	Black	.118”	.500	48” + .197/-0 x 96” + .394/-0
2619	Red	.236”	.900	48” + .197/-0 x 96” + .394/-0
2620	Red	.118”	.500	48” + .197/-0 x 96” + .394/-0
2621	Blue	.236”	.900	48” + .197/-0 x 96” + .394/-0
2622	Blue	.118”	.500	48” + .197/-0 x 96” + .394/-0
2623	Gray	.236”	.900	48” + .197/-0 x 96” + .394/-0
2624	Gray	.118”	.500	48” + .197/-0 x 96” + .394/-0
2631	Yellow	.236”	.900	48” + .197/-0 x 96” + .394/-0
2632	Yellow	.118”	.500	48” + .197/-0 x 96” + .394/-0

Expanded PVC panels, available in six colors, are a low-cost alternative to acrylic and polycarbonate panels. Expanded PVC panels are very weather-resistant and easily machined. The light impact resistance limits the usage of Expanded PVC panels to light-duty applications where contact is a minimum. Expanded PVC works great as signage, displays or exhibit panels.

Alucobest Panels

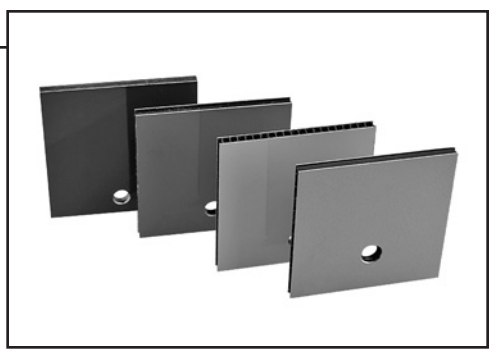


- **Half the weight of solid aluminum, making machining easy**
- **Smooth metallic finish is impact-resistant**
- **Alucobest is durable and resistant to weather and elements**
- **Stable up to 175º**
- **Cut plastic panels to size with 7150 or 7155 services on page 1212**
- **See pages 1212-1214 for all plastic panel machining services**

Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2650	Platinum	.236"	1.490	50" x 122" +/- .079

An aluminum composite material composed of two .020" aluminum skins bonded to a polyethylene core, Alucobest has a smooth metallic finish similar to that of a solid aluminum panel, with only half the weight. Offering good impact resistance, Alucobest also resists buckling and warping, and is easily machined. When you need a strong, solid panel for guarding, enclosures or workstations in place of a solid aluminum sheet, Alucobest is the answer.

Alumalite® Panels



- **Lightweight composite panel**
- **Smooth, glossy, painted finish**
- **Water-resistant core**
- **Stable up to 120º**
- **Cut plastic panels to size with 7150 or 7155 services on page 1212**
- **See pages 1212-1214 for all plastic panel machining services**

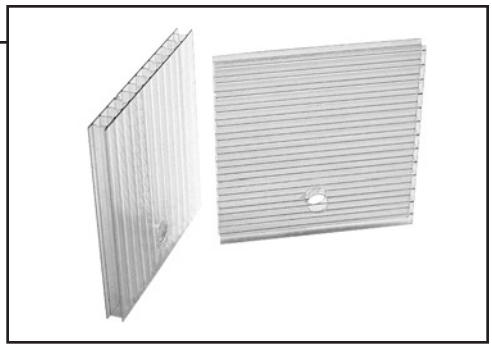
Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2633	Blue	.236"	.625	48" x 96" +/- .250
2634	Red	.236"	.625	48" x 96" +/- .250
2635	Silver	.236"	.625	48" x 96" +/- .250
2636	Yellow	.236"	.625	48" x 96" +/- .250
2637	Black	.236"	.625	48" x 96" +/- .250

NEW!

Alumalite®, a strong aluminum composite panel with a corrugated polyallomer core between two .016" aluminum skins, is a perfect choice for applications that require a lightweight, aesthetic looking panel. The CPA core provides Alumalite weather-resistant properties that make this panel appropriate for indoor or outdoor applications including furniture, signs, displays, workstations and machine guarding.

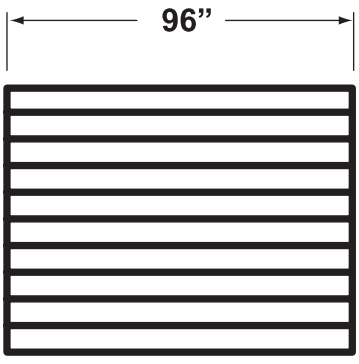
Twin Wall Polycarbonate Panels

- **Lightweight**
- **90% light transmission**
- **Resistant to weather and elements**
- **Twin walls**
- **Cut plastic panels to size with 7150 or 7155 services on page 1212**
- **See pages 1212-1214 for all plastic panel machining services**

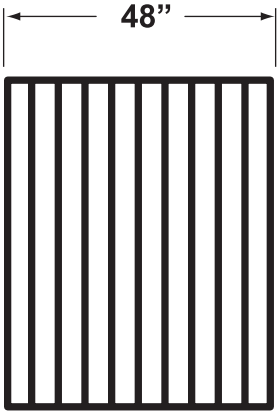


Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2640	Clear	.236”	.266	48” +.157/-0 x 96” +.197/-0

Twin Wall Polycarbonate provides an excellent solution for a wide range of lightweight guarding, partition, and enclosure needs. At one-sixth the weight of a solid polycarbonate panel, Twin Wall Polycarbonate is quick and easy to work with.



Horizontal Orientation



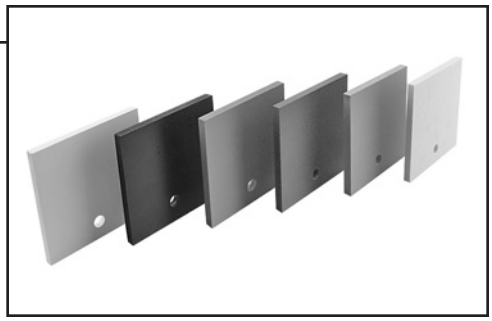
Vertical Orientation

Always specify the required direction for the channel orientation when ordering Twin Wall Polycarbonate panels.

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

HDPE Panels

- **Cost-effective, decorative panel available in six colors**
- **Haircell-type texture on both sides**
- **More impact-resistant than expanded PVC panels**
- **Very good chemical resistance**

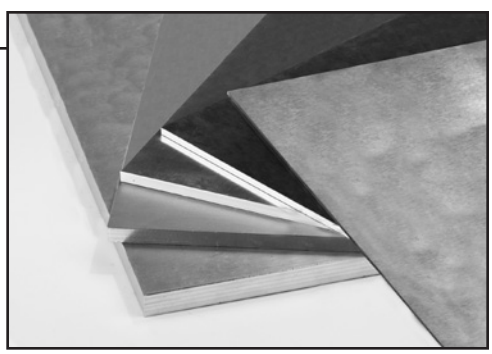


Part No.	Color	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2651	Black	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2652	Black	.177"	.900	48" +.250/-0 x 96" +.500/-0
2653	White	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2654	White	.177"	.900	48" +.250/-0 x 96" +.500/-0
2655	Gray	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2656	Gray	.177"	.900	48" +.250/-0 x 96" +.500/-0
2657	Yellow	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2658	Yellow	.177"	.900	48" +.250/-0 x 96" +.500/-0
2666	Blue	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2667	Blue	.177"	.900	48" +.250/-0 x 96" +.500/-0
2668	Red	.220 - .236"	1.200	48" +.250/-0 x 96" +.500/-0
2669	Red	.177"	.900	48" +.250/-0 x 96" +.500/-0

HDPE panels, available in six colors, are a great alternative to Expanded PVC panels. HDPE panels are weather-resistant and have excellent machining characteristics. Having two textured sides makes this panel a great option in areas where both sides of the panel are exposed. HDPE has a high coefficient of thermal expansion. Allow panels to expand and contract by using oversized mounting holes, and not captivating the panel tightly in the T-slot.

Solid Aluminum Plate

- **Unanodized mill finish**
- **6061-T6 alloy**
- **Anodized parts quoted on request (CM)**
- **See page 608 for mill finish sanding service**
- **See page 608 for aluminum panel machining services**

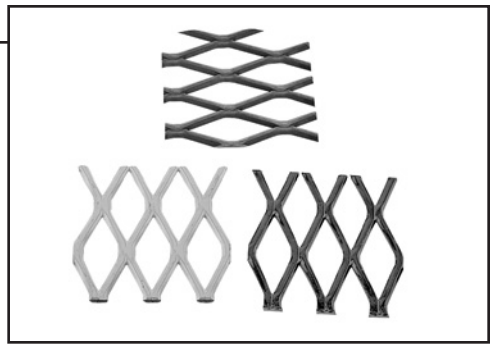


Part No.	Material	Thickness	Lbs. / Sq. Ft.	Stock Sheet Size
2452	Aluminum Plate	.060"	.889	48" +/- .125 x 144" +/- .156
2453	Aluminum Plate	.125"	1.764	48" +/- .125 x 144" +/- .156
2454	Aluminum Plate	.187"	2.680	48" +/- .125 x 144" +/- .156
2455	Aluminum Plate	.250"	3.700	48" +/- .125 x 144" +/- .156
2456	Aluminum Plate	.375"	5.550	48" +/- .125 x 144" +/- .156
2457	Aluminum Plate	NEW! .500"	7.400	48.5" +/- .375 x 96.5" +/- .500

80/20® now offers solid aluminum, mill finish plate in six thicknesses. These aluminum sheets can be anodized and machined to meet your needs.

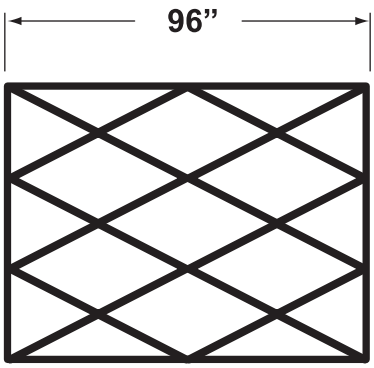
Expanded Metal Panels

- **Heavy-duty panel**
- **Powder coat or carbon steel finish**
- **Stronger than welded wire cloth**
- **Impact resistant**
- **Shear expanded metal panels to size with 7095 or 7100 services on page 1212**

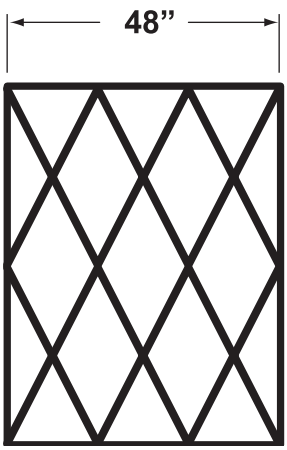


Part No.	Material	Type	Thickness	Lbs. / Sq. Ft.	Dimensions	Stock Sheet Size
2480	Carbon Steel	Flattened	.135”	1.720	Diamond 2” x .9”	48” x 96” +/- .250
2481	Powder Coated Black	Flattened	.140”	1.720	Diamond 2” x .9”	48” x 96” +/- .250
2482	Powder Coated Yellow	Flattened	.140”	1.720	Diamond 2” x .9”	48” x 96” +/- .250

80/20®'s Expanded Metal Panels are the perfect choice for any heavy-duty guarding application. Available in a standard carbon steel finish, Expanded Metal is also stocked with a black or yellow powder coated finish. Expanded Metal surpasses wire mesh in strength and durability.



Horizontal Orientation

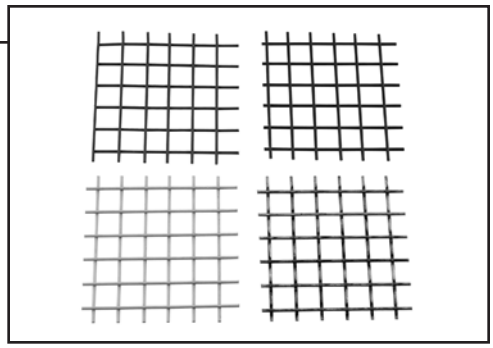


Always specify the required direction for the diamond orientation when ordering Expanded Metal Panels.

80/20® Inc.
*The **Industrial** Erector Set®*
THE STANDARD

Wire Mesh Panels

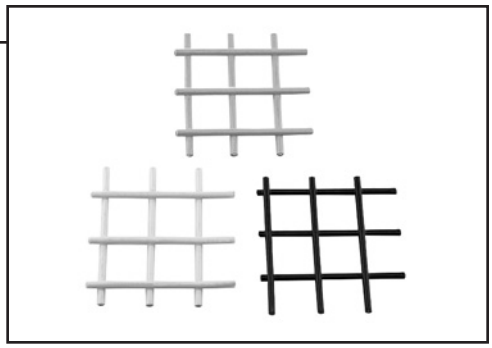
- **Great for guarding applications**
- **Low-cost alternative to expanded metal panels**
- **Lightweight yet impact resistant**
- **Powder coat or carbon steel finish**
- **Shear wire mesh panels to size with 7095 or 7100 services on page 1212**



Part No.	Material	Wire Gauge	Thickness	Lbs. / Sq. Ft.	Dimensions	Stock Sheet Size
2470	Galvanized Steel	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2460	Galvanized Steel	16	.137"	.510	Square .50" x .50"	48" x 96" +/- .50"
2468	Powder Coated Blue	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2463	Powder Coated Blue	16	.137"	.580	Square .50" x .50"	48" x 96" +/- .50"
2467	Powder Coated Red	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2462	Powder Coated Red	16	.137"	.580	Square .50" x .50"	48" x 96" +/- .50"
2471	Powder Coated Yellow	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2461	Powder Coated Yellow	16	.137"	.580	Square .50" x .50"	48" x 96" +/- .50"
2479	Powder Coated Black	12	.200"	1.010	Square 1" x 1"	48" x 96" +/- .50"
2464	Powder Coated Black	16	.137"	.580	Square .50" x .50"	48" x 96" +/- .50"

Welded Wire Mesh Panels are a great low-cost alternative to expanded metal panels. While not as strong as expanded metal, their light weight makes working with Wire Mesh Panels quick and easy. Available in carbon steel and four powder coat colors, these Wire Mesh Panels work well for guarding and enclosure applications.

Thermoplastic Coated Wire Mesh Panels



- **Widely used in guarding and enclosure applications**
- **Strong yet lightweight**
- **Low wear value, won't flake or chip**
- **Light impact and corrosion resistant**
- **Thermoplastic coating is FDA-compliant and easy to clean**
- **Shear wire mesh panels to size with 7095 or 7100 services on page 1212**

Part No.	Material	Wire Gauge	Thickness	Lbs. / Sq. Ft.	Dimensions	Stock Sheet Size
2472	Thermoplastic Coated Carbon Steel Black	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2474	Thermoplastic Coated Carbon Steel Black	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"
2478	Thermoplastic Coated Carbon Steel Black	12	.210"	1.300	Square 2" x 2"	48" x 96" +/- .50"
2473	Thermoplastic Coated Carbon Steel Yellow	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2475	Thermoplastic Coated Carbon Steel Yellow	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"
2477	Thermoplastic Coated Carbon Steel Grey	12	.210"	1.300	Square 1" x 1"	48" x 96" +/- .50"
2476	Thermoplastic Coated Carbon Steel Grey	16	.140"	.650	Square .50" x .50"	48" x 96" +/- .50"

Thermoplastic Coated Wire Mesh is the low-cost alternative to powder coated wire and expanded metal. Available in three colors, the thermoplastic coating creates a clean look for your application and prevents cuts and other injuries. Thermoplastic Coated Wire Mesh Panels are great for use in guarding, enclosure and machine frame applications.

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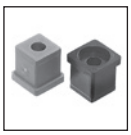
Panel Area Calculation Chart

Directions for area calculation:

- **Round both length and width dimensions of the panel up to the next 6" increment.**
- **Find the length and width along the top and left side of area calculation chart.**
- **Find the area in square feet at the intersection of the length and width dimensions.**

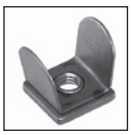
Linear Dimensions	6”	12”	18”	24”	30”	36”	42”	48”	54”	60”
6”	.25	.50	.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50
12”	.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00
18”	.75	1.50	2.25	3.00	3.75	4.50	5.25	6.00	6.75	7.50
24”	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00
30”	1.25	2.50	3.75	5.00	6.25	7.50	8.75	10.00	11.25	12.50
36”	1.50	3.00	4.50	6.00	7.50	9.00	10.50	12.00	13.50	15.00
42”	1.75	3.50	5.25	7.00	8.75	10.50	12.25	14.00	15.75	17.50
48”	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00
54”	2.25	4.50	6.75	9.00	11.25	13.50	15.75	18.00	20.25	22.50
60”	2.50	5.00	7.50	10.00	12.50	15.00	17.50	20.00	22.50	25.00
66”	2.75	5.50	8.25	11.00	13.75	16.50	19.25	22.00	24.75	27.50
72”	3.00	6.00	9.00	12.00	15.00	18.00	21.00	24.00	27.00	30.00
78”	3.25	6.50	9.75	13.00	16.25	19.50	22.75	26.00	29.25	32.50
84”	3.50	7.00	10.50	14.00	17.50	21.00	24.50	28.00	31.50	35.00
90”	3.75	7.50	11.25	15.00	18.75	22.50	26.25	30.00	33.75	37.50
96”	4.00	8.00	12.00	16.00	20.00	24.00	28.00	32.00	36.00	40.00
102”	4.25	8.50	12.75	17.00	21.25	25.50	29.75	34.00	38.25	42.50
108”	4.50	9.00	13.50	18.00	22.50	27.00	31.50	36.00	40.50	45.00
114”	4.75	9.50	14.25	19.00	23.75	28.50	33.25	38.00	42.75	47.50
120”	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00

Section #4 Pictorial Table Of Contents

Caster or Spacer Receptacle

Page 1204

3 Way Caster or Spacer Corner

Page 1204

Threaded End Bracket

Pages 1205

Threaded Stem Swivel Caster

Pages 1205

Dual Wheel Caster

Page 1206

Furniture Style Caster

Page 1206

Economy Furniture Glides

Page 1207

Economy Leveling Feet

Page 1207

Deluxe Leveling Feet

Page 1208

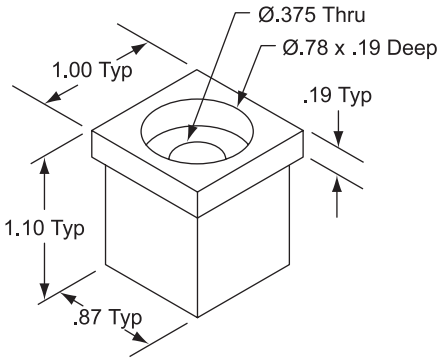
Introduction to Quick Frame Floor to Frame

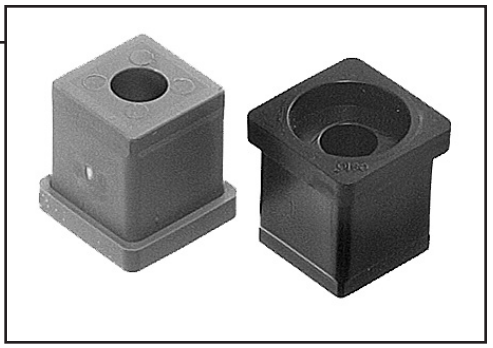
In this section you'll find everything you need to complete your project from the floor to the frame. All 80/20® "Floor To Frame" products are made from the highest quality materials to meet or exceed your application requirements. Whether you're using them in an office environment or on the plant floor, 80/20's "Floor-To-Frame" products will stand up to the challenge.

Quick Frame Advantages

- **80/20's casters add mobility and adjustability to any project**
- **Floor-To-Frame: just one more reason to make 80/20® your one-stop shop**
- **80/20's caster inserts assure you've got the right product for the right application**
- **Many different leveling feet and casters to choose from**

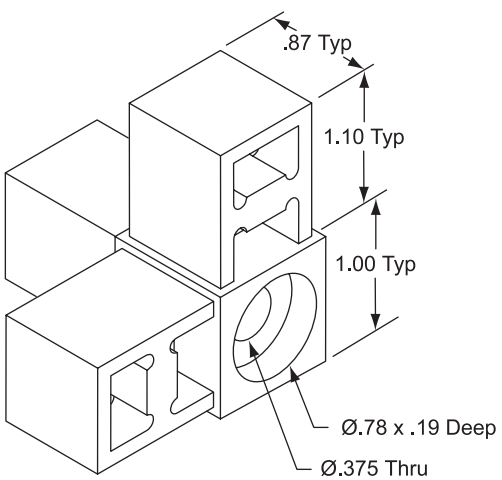
Caster or Spacer Receptacle

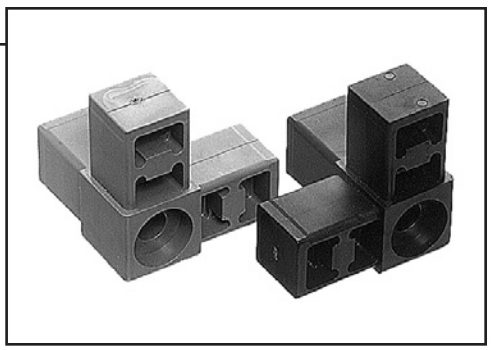




Part No.	Description	Color	Lbs.
9113	Caster or Spacer Receptacle	Gray	.025
9213	Caster or Spacer Receptacle	Black	.025

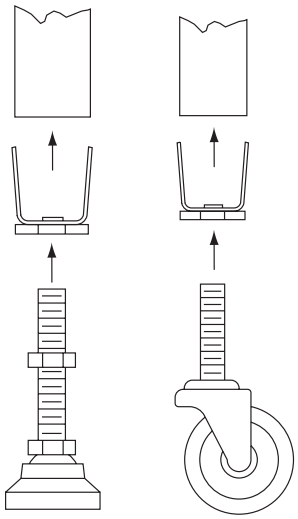
3 Way Caster or Spacer Corner





Part No.	Description	Color	Lbs.
9153	3 Way Caster or Spacer Corner	Gray	.090
9253	3 Way Caster or Spacer Corner	Black	.090

Threaded End Bracket

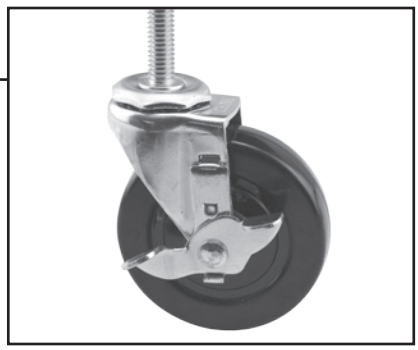


- **Inserts into Quick Frame tube end**
- **Provides a strong thread for mounting leveling feet or threaded stem casters**

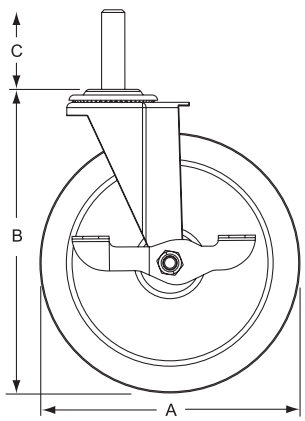
Part No.	Description	Lbs.
9350	Threaded End Bracket 5/16-18	.055
9351	Threaded End Bracket 3/8-16	.058

Threaded Stem Swivel Casters

Zinc-Plated Steel Bracket w/Black Nylon Wheel



- **Quick Frame Series compatible**
- **Threads directly into Part No. 9351 end bracket (above)**
- **Soft rubber wheel material**
- **Maximum load capacity 100 lbs.**
- **Brake kits are included with select casters**
- **Oil resistant**



Part No.	Thread	A	B	C	Brake	Swivel Radius	Max Load Lbs.	Lbs.
2298	3/8-16	1.625	2.313	1.500	No Brake	1.625	70.00	0.29
2299	3/8-16	2.000	2.531		Front Mount	1.812	70.00	0.35
2300	3/8-16	3.000	3.531		Side Mount	2.375	100.00	0.55

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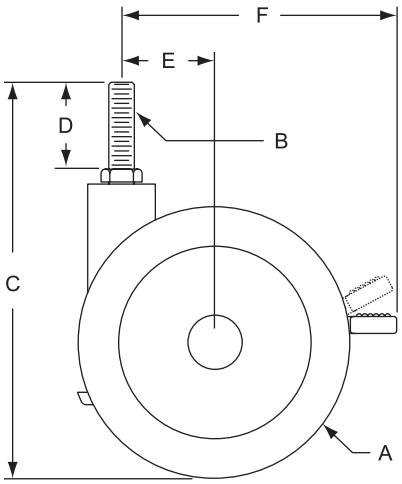
Dual Wheel Caster

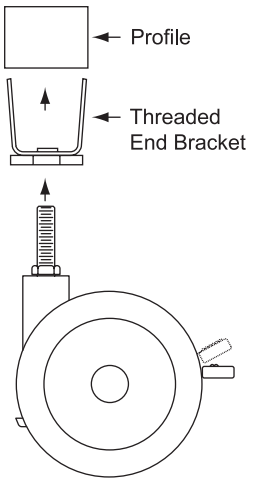
- **Ideal for office use**
- **Supplied with hard tread, black, non-marking wheels for easy rolling on carpet**
- **Used in conjunction with Part No. 9213 or 9113 caster receptacle or Part No. 9253 or 9153 3-way caster corner**
- **Horn is made of nylon**
- **Heel is made of acetal**
- **Load height: 2.625" Overall height: 3.625"**
- **Load capacity: 90 lbs.**

Part No.	Description	Lbs.
9360	Dual Wheel Caster	.330

Furniture Style Casters

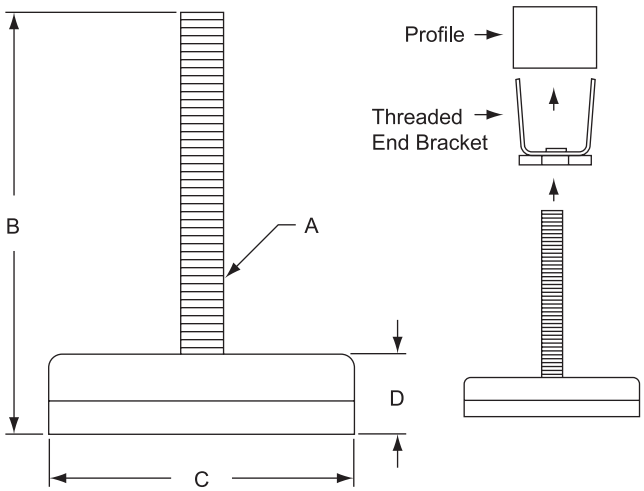
- **Quick Frame Series compatible**
- **Available with or without brakes**
- **Maximum load capacity ratings range from 165-175 lbs.**





Part No.	Diameter	A	B	C	D	E	F	Capacity	Load Height	Wheel Color	Brake	Lbs.
2291	3.000	2.850	3/8-16	4.250	1.000"	.944	–	165 Lbs.	3.250	Black	No	.570
2292	3.000	2.850	3/8-16	4.250	1.000"	.944	3.660	165 Lbs.	3.250	Black	Yes	.570
2293	4.000	3.930	3/8-16	5.375	1.000"	1.370	–	175 Lbs.	4.375	Black	No	.827
2294	4.000	3.930	3/8-16	5.375	1.000"	1.370	4.880	175 Lbs.	4.375	Black	Yes	.827

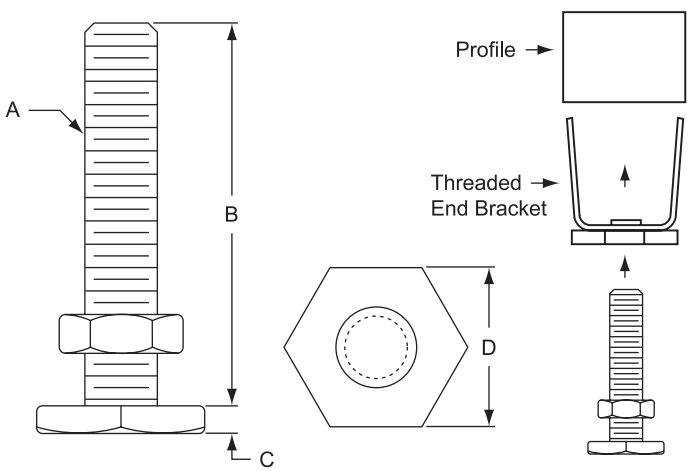
Economy Furniture Glides



- Quick Frame Series compatible
- Nickel-plated with non-abrasive nylon base
- Cost-effective, modular solution for light-duty applications
- Refer to page 1205 for threaded end bracket

Part No.	Load Capacity	A	B	C	D	Lbs.
2187	250 Lbs.	5/16-18	2.570	2.030	.578	.139
2188	250 Lbs.	3/8-16	2.460	2.400	.468	.179

Economy Leveling Feet

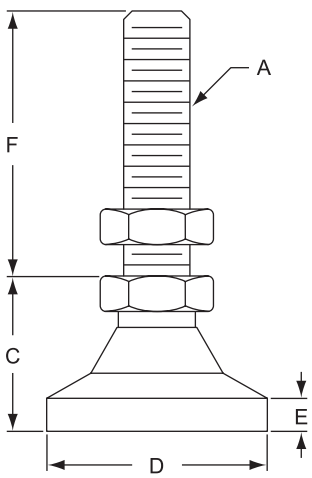


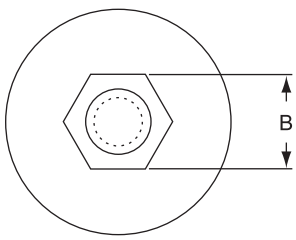
- Quick Frame compatible
- 1750 - 2550 lbs. load capacity range
- Refer to page 1205 for threaded end bracket

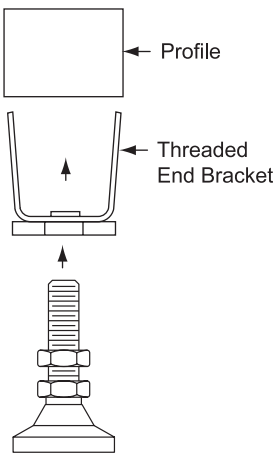
Part No.	Load Capacity	A	B	C	D	Lbs.
2195	1750 Lbs.	5/16-18	1.500	.109	.750	.050
2191	2550 Lbs.	3/8-16	2.000	.141	.875	.085

Deluxe Leveling Feet

- Quick Frame Series compatible
- 3750 lbs. load capacity
- Pivots 20° to accommodate uneven floors
- Refer to page 1205 for threaded end bracket



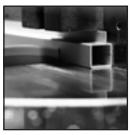




Part No.	Load Capacity	A	B	C	D	E	F	Lbs.
2194	2300 Lbs.	5/16-18	.625	.875	1.250	.188	2.000	.220
2190	3750 Lbs.	3/8-16	.625	.875	1.250	.188	2.000	.220

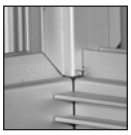
Section #5 Pictorial Table Of Contents

Cut to Length



Page 1211

45° Flange Milling



Page 1211

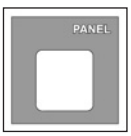
Plastic Panel Cutting Service

Page 1212

Wire Panel Shearing

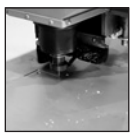
Page 1212

2, 3 & 4 Side Panel Cut Outs



Page 1213

Miscellaneous Panel Machining Services



Page 1214

Introduction to Quick Frame Machining

80/20® offers industry-leading custom machining services using any in-stock 80/20® product. With the combination of our experienced design team and our top-of-the-line custom machining equipment, you can build almost anything you can imagine. See below for required information when ordering a custom machined part. Review the information, and reference the example drawing shown on the following page. This will help you understand the steps required to ensure an accurate custom machining order.

Custom Machining FAQ

- **80/20®'s Custom Machine Shop uses Class 2B taps**
- **Typical standard tolerance is .010", unless otherwise noted on print**
- **Shop can hold to up to .001"**
- **Lead times are contingent upon what is being ordered, but typically 1-5 business days**
- **Minimum lot charges are required for certain types of plating. These need to be ordered as a separate line item, and will be designated as such per the 80/20® custom machine quote**
- **If any changes are required to a custom part number, UNDER NO CIRCUMSTANCES will we keep the same cm number. If it is revised, it MUST have a new custom machine quote number. 80/20® will not be responsible for tracking the latest revision to custom parts.**

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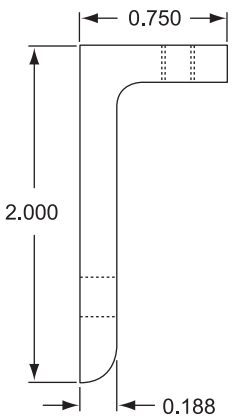
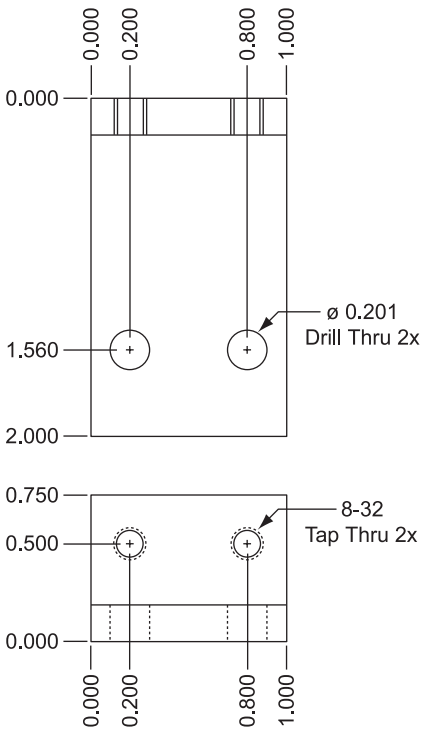
Required Information When Ordering Custom Machining

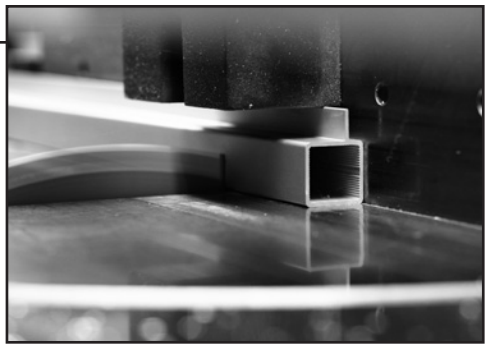
- **Specify the product part number when machining an 80/20® product.**
- **Specify the product finish - anodized, mill, oxide, or other plating.**
- **We prefer ordinate dimensioning, with zero corner in the upper or lower left.**
- **CAD files are always best sent electronically, however we will accept faxes. All drawing information must be written clearly and large for easy reading. (80/20® may require a sign off on a redrawn version of your submitted print.)**
- **Use standard 80/20® machining callouts wherever applicable.**
- **Use three views where possible; refer to the example shown below.**





Cut-to-Length Service

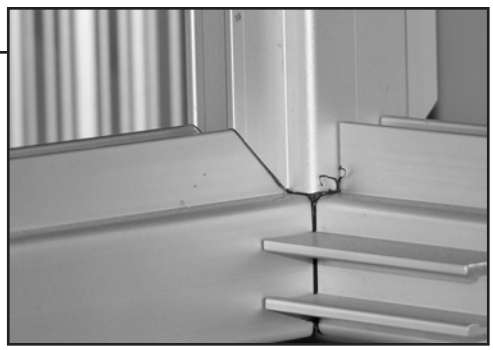
- All cuts set to a hard stop - identical in length
- All profiles are deburred, washed, dried, and wrapped
- Tolerance on cut lengths is +/-.015"



Part No.	Description
7310	Cut to Length Quick Frame Profile

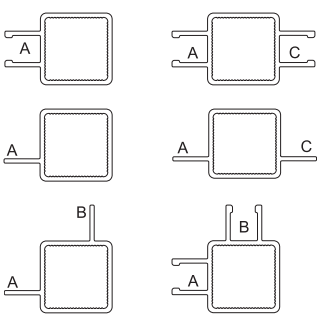
45° Flange Milling Service

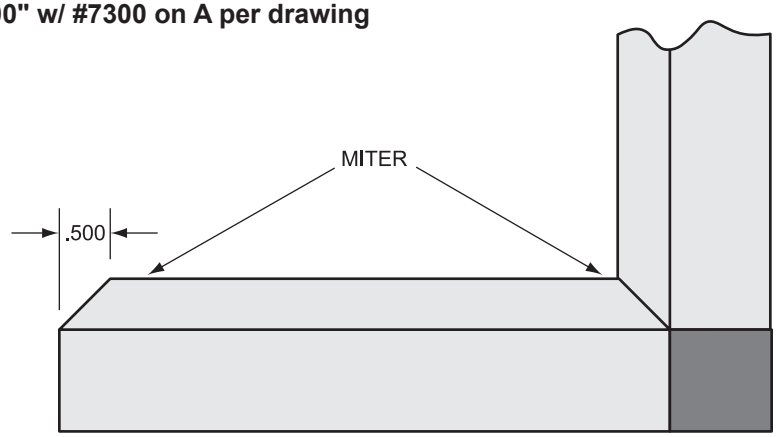
- This Quick Frame service allows two profile flanges to intersect at 90º without interference
- This service is for two ends; a drawing is required when milling only one end of the profile
- Please specify notch locations when ordering



Example: Qty. (2) #9010 x 22.00" w/ #7300 on A per drawing

Quick Frame Flange Designations





45° Flange Milling Service

Part No.	Description
7300	45° Flange Milling Service for Quick Frame Location A, B or C only
7301	45° Flange Milling Service for Quick Frame Location A and B
7302	45° Flange Milling Service for Quick Frame Location A and C

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Plastic Panel Cutting Service

- **Save time and money by having 80/20® cut plastic panels to your specific size**
- **Refer to Section 3 for our full offering of plastic panels**
- **Please submit a drawing with your machining specifications to 80/20® or your local distributor**
- **Use 7151 or 7153 service for cutting panels thicker than 1/4" (.250", 6mm)**

Part No.	Description	Cut Tolerance
7150	Cut Plastic Panels **ALL** Sides ≤ 48"	+/- .063
7155	Cut Plastic Panels **ANY** Side > 48"	+/- .063

For Plastic Panels Thicker Than 1/4"

Part No.	Description	Cut Tolerance
7151	Cut Thicker Plastic Panels **ALL** Sides ≤ 48"	+/- .063
7153	Cut Thicker Plastic Panels **ANY** Side > 48"	+/- .063

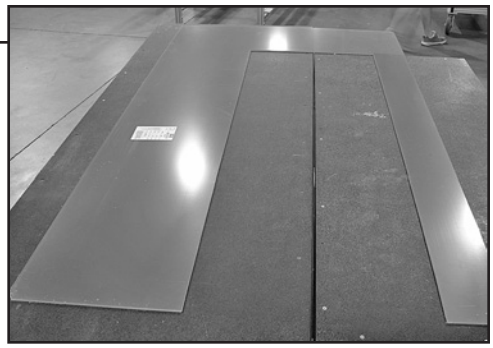
Wire Mesh Shearing Service

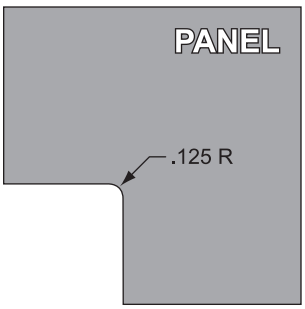
- **Save time and money by having 80/20® shear wire mesh panels to your specific size**
- **Refer to Section 3 for our full offering of wire mesh panels**
- **Please submit a drawing with your machining specifications to 80/20® or your local distributor**

Part No.	Description	Cut Tolerance
7095	Shear Wire Mesh **ALL** Sides ≤ 48"	+/- .063
7100	Shear Wire Mesh **ANY** Side > 48"	+/- .063

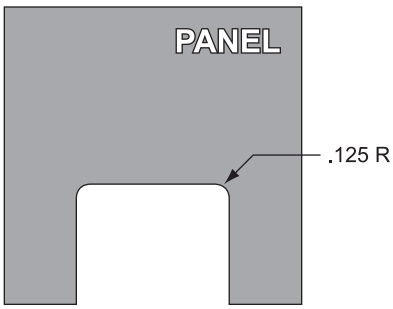
2, 3, & 4 Side Panel Cut-Outs

- **Provides an opening in any plastic panel or wire mesh**
- **Perfect for adding a panel door within a panel, also allows easy access into a guard or enclosure**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**

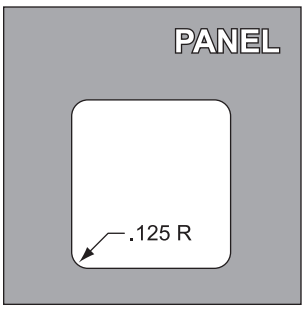




2 Sided Cut Out



3 Sided Cut Out



4 Sided Cut Out

Part No.	Description	Tool Radii Size	Cut Tolerance
7162	2 Sided Cut-Out All Dimensions > 3.000"	.125	+/- .040
7163	3 Sided Cut-Out All Dimensions > 3.000"	.125	+/- .040
7164	4 Sided Cut-Out All Dimensions > 3.000"	.125	+/- .040

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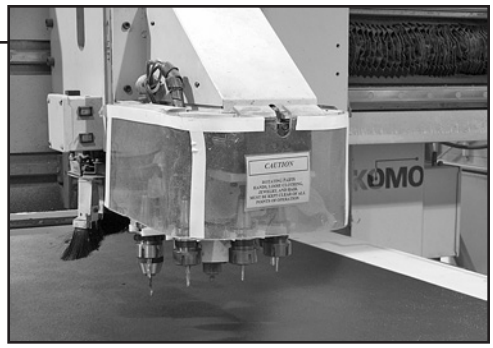
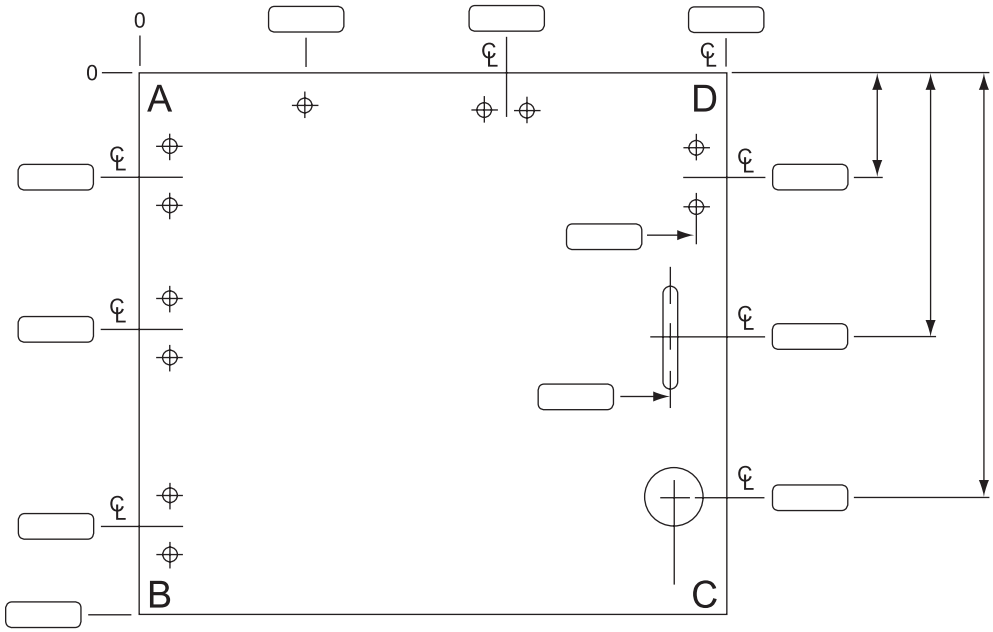
Miscellaneous Panel Machining Services

- **Available for customizing panels applications**
- **Please submit a drawing with your machining specifications and locations to 80/20® or your local distributor**





Hinges – left side of drawing

This Service No.	Mount this Part No.
7580	*2080*
7583	*2091*

Please Note: 7580 and 7583 WILL require your Quick Frame profile to have 7246 access holes from page 572 specified for mounting.

Handles – right side of drawing

This Service No.	Mount this Part No.
7584	*2060*
7585	*2061*
7586	*2062*
7587	*2070*
7510	*2730*
7520	*2056*
7521	*2058*

Panel Retainers – top of drawing

This Service No.	Mount this Part No.
7595	*2434 / 2515*
7596	*2433 / 2516*

Other Plastic Panel Machining Services

7150 – Cut Panel ≤ 48” any side
7155 – Cut Panel > 48” any side

Glossary

0 Degree Pivot Nub	A connecting block that allows attached profiles to swing 180 degrees parallel to the attached T-slot.
10 Series	80/20®'s family of T-slotted profiles utilizing one inch and one-half inch centerlines.
15 Series	80/20®'s family of T-slotted profiles utilizing one and one-half inch and three quarter inch centerlines.
20 Series	80/20®'s family of T-slotted profiles utilizing 20mm and 10mm centerlines.
25 Series	80/20®'s family of T-slotted profiles utilizing 25mm and 12.5mm centerlines.
30 Series	80/20®'s family of T-slotted profiles utilizing 30mm and 15mm centerlines.
40 Series	80/20®'s family of T-slotted profiles utilizing 40mm and 20mm centerlines.
45 Series	80/20®'s family of T-slotted profiles utilizing 45mm and 22.5mm centerlines.
45 Degree Support	Pre-cut and assembled profiles with 45° miters that add strength to corner connections.
6105-T5	An aluminum alloy used in many 80/20® profiles. It offers high strength, excellent machinability, and a great aesthetic finish.
90 Degree Joining Plate	Flat connecting plate used to make right angle connections of T-slotted profiles.
90 Degree Pivot Nub	A connecting block that allows attached profiles to swing 180 degrees perpendicular to the attached T-slot.
ABS Haircell	Acrylonitrile Butradiene Styrene (easy for us to say): decorative plastic sheet material.
Access Hole	A hole specifically located in the T-slots that allows access to tighten an end fastener.
Adjustable Hinge	A black plastic hinge with adjustable tension between the leaves.
Aesthetic	Tasteful, pleasing, or inventive.
Align-a-Groove	Shallow grooves running the length of some of 80/20®'s T-slotted profiles that aid in aligning profiles during assembly.
Alucobest	Two thin (.020") aluminum sheets bonded together with a polyethylene core.
Alumalite®	Two thin aluminum sheets bonded together with a corrugated polyallomer core.
Aluminum Extrusion	Aluminum bar produced by heating and pressing the aluminum material through a shaped opening in a die, forming a distinctive profile.
Anchor Fastener	A strong and adjustable fastener used to join two T-slotted profiles at right angles.
Anodize	A thin, protective electrochemical coating used on aluminum surfaces; can be clear or colored.
ASTM	The American Society for Testing Materials: organization that sets testing standards and methods for materials.
Attitude	Our positive, can-do disposition that sets 80/20® apart from the rest of the competition.
AutoQuoterX™	80/20®'s AutoQuoterX™ is a design companion plug-in for the "full version" of AutoCad® 2000i, 2002, 2004, 2005, 2006, 2007, 2008, 2009, 2010 and 2011.
BHSCS	Button Head Socket Cap Screw.
Black Chromate	A black, corrosion-resistant coating used on some ferrous screw products.

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Black Zinc	See Zinc Plating.
Bolt Assembly	A single part number that makes ordering combinations of fasteners easier and faster.
Bushing	A removable cylindrical lining for an opening used to limit the size of the opening, resist abrasion, or serve as a guide.
Butt Fastener	A strong, flush mounted fastener used to join two T-slotted profiles end to end.
CAD	Computer Aided Design or Computer Aided Drafting.
Chamfer	To bevel off the right angled edge of a corner.
Cheater Pipe	An improvised breaker bar made from a length of pipe and a wrench, used to provide extra torque.
Clearance Hole	A hole that provides fastener clearance. Example: clearance hole for a 1/4-20 bolt is .257".
Clear Chromate	A clear, corrosion-resistant coating used on ferrous metal products.
Coefficient of Friction	The amount of force between 2 materials rubbing against each other.
Color Stuff	Color products available from 80/20®.
Compatibility Code	A system used to determine which parts and accessories work with a given profile. Patent pending.
Counterbore	A cylindrical, flat-bottomed hole drilled partially through a profile.
Countersink	To chamfer a screw hole to allow the screw head to remain level with the mounting surface.
Cross Clamp	A stanchion block used to connect two tubes at right angles.
Cross Joining Plate	A pre-drilled flat plate used to connect profiles that intersect at right angles.
Deburr	To remove a sharp edge from a machined surface.
Double Flange	A part with two opposing projections used for attachment to other surfaces.
Double T-Nut	A T-nut containing two threaded holes with centerlines that match those of joining plates, used to speed up assembly.
Drill Jig	A fixture used for drilling perpendicular access holes.
Drop Lock	An 80/20® T-slotted profile design feature that consists of a 2° decline in the T-slot flange. When a fastener is tightened to or beyond the necessary torque, the flange will press up to the adjoining profile, thus creating pressure that tightly holds the two bars together.
Dry Erase Board	A drawing surface that requires only a dry eraser or cloth to remove writing or drawing from it when a dry erase marker is used.
Economy Floor Mount Base Plate	A pre-drilled angle bracket that permits frame anchoring to the floor.
End Cap	A black plastic cover for the profile end.
End Fastener	A connecting clip and screw that provides a clean, hidden 90° connection for T-slotted profiles (tightened through an access hole...).
Ergonomics	The study of the mental and physical capacities of people in relation to the demands made upon them by various types of work.
FBHSCS	Flanged Button Head Socket Cap Screw.
FDA	The United States Food and Drug Administration.
FHSCS	Flat Head Socket Cap Screw.
Flange	A rib or rim for strength, for guiding, or for attaching to another object.

Glossary

Flange Mount Caster	A caster that mounts to an adapter plate by means of a pre-drilled flange.
Flat Joining Plate	A pre-drilled plate used to connect profiles.
Floor Mount Base Plate	A pre-drilled bracket assembly that permits frame anchoring to the floor.
Gusset	A supported 45-degree angle bracket used to attach profiles at right angles.
HDPE	High Density Polyethylene.
High Pressure Laminate	A high strength, durable material used for workstations, countertops, and other work surfaces.
Holey Tube	Aluminum framing system featuring prefabricated mounting holes.
Inside Corner Bracket	A pre-drilled angle used to connect profiles at right angles.
Jam Nut	A hex nut used to fix the height position of a threaded leveling foot or caster in the end of an profile.
Joining Plate	A pre-drilled flat plate or corner bracket used to connect profiles.
Joining Strip	A pre-drilled flat plate used to connect profiles.
“L” Arm	A pre-drilled angle used to connect profiles to pivot nubs or living hinges.
Leveling/Anchoring Base Plate	A pre-drilled and tapped plate used to mount both leveling feet and floor anchor bolts to a profile frame.
LHSCS	Low Head Socket Cap Screw.
Lift-Off Hinge	An aluminum hinge designed to allow door panels to be removed easily by lifting the door while open. It also utilizes two pin lengths to facilitate fast, easy replacement of the door.
Linear Bearing	A slide that allows in-line motion using the T-slotted frame as a rail, and UHMW-PE bearing pads as guides. Patented by 80/20®.
Linear Bearing Brake Hole	A precisely located hole that allows for attachment of brake hardware to the bearing housing.
Linear Bearing Brake Kit	The hardware kit consisting of a handle, washer, and T-slot stud used to fix the position of a linear bearing.
Living Hinge	An anchoring block fastened to the T-slot allowing attached profiles full 180-degree motion, perpendicular to or parallel with the T-slot.
Locking Grabber Handle	A cabinet latch used for panel doors that lock with a key.
Mesh Retainer	An anchoring bracket that attaches wire cloth or expanded metal panels to a T-slotted frame.
Metric Fasteners	For those inclined to use millimeters instead of inches.
Miter Cut	An angle cut.
Mounting Block	In 80/20® language, a stanchion piece used to attach round tube or round solid to a T-slotted frame.
MW	Molecular Weight: used in measuring plastic density.
Neoprene	A black, hard rubber product.
Nylatron	Nylatron GS, an extruded plastic used in the manufacture of 80/20®’s roller wheels.
Nylon	Any of several polymeric, thermoplastic amides formed into strong elastic thread by forcing a melt through fine jets.
Open Style Access Hole	Customer-specified locations for access holes used to tighten end fasteners for frame assembly.
OSHA	Occupational Safety and Health Administration (The safety cops)

Panel Mount Block	An adjustable mounting block, keyed to the T-slot, used to mount panels to an profile frame.
Panel Retainer	An anchoring bracket that attaches plastic or sheet panels to a T-slotted frame.
Pawl	A rotating catch used to capture and hold a door shut.
Pig's Nose	Slippery, yet extremely tough - won't wear out.
Pivot	To turn or oscillate on. To rotate about a stationary point.
Pivot Bracket	A flat joining plate that allows a profile to pivot 90º or 180º relative to the mounting profile and lock in place.
Polycarbonate	An Impact-resistant thermoplastic sheet. Trade names Lexan® or Makrolon® polycarbonate. A thermoplastic resin that is hard, tough, and moisture-resistant.
Polyurethane	A super-tough flexible plastic with high load bearing properties used on some 80/20® casters.
Position Floor Lock	A braking device that prevents a frame on wheels from rolling.
Powder Coat	An electrostatically applied paint that provides superior protection.
Pre-assemble	To put together beforehand.
Pre-load	Constant tension on a fastener that prevents loosening of the fastener assembly. Also, to load fasteners onto a joining plate to speed up assembly.
Pressure Manifold Plate	A pre-drilled plate used with a gasket to form a pressurized air or fluid chamber inside the cavity of a T-slotted profile.
PVC	Polyvinyl Chloride: used in lightweight plastic sheet, Cart Guard®, and snap-on panel gaskets.
Quick Frame	80/20®'s low cost, lightweight framing alternative, utilizing one-inch square aluminum tubing and nylon push-in corner connectors.
RGA	Returned Goods Authorization: A number assigned by 80/20®'s customer service department to allow faster processing of a return shipment.
Right Angle Nub	A connecting block that allows attached profiles to swing 90 degrees parallel to or perpendicular to the attached T-slot.
Rigid Caster	A wheel mounted in such a fashion that it does not allow steering of the frame when in motion.
Roller Wheel	A wheel, keyed to fit the 80/20® profile T-slot, allowing profile frames to be used as rails.
Rust	Oxidation commonly associated with steel products.
SS	Stainless Steel.
SHCS	Socket Head Cap Screw.
Single Flange	A material with one projection used for attachment to other surfaces.
Slotted Corner Bracket	A pre-machined angle used for attaching two profiles at right angles, having round holes on one face, and slots on the opposite face allowing for adjustment.
Stanchion	A block used for mounting round tubes to a T-slotted frame, adding a fourth or fifth axis of mobility.
Styrene	Liquid hydrocarbon obtained from ethyl benzene that serves as the raw material for many plastics. (High impact styrene gives 80/20®'s end caps their strength and attractive appearance.)

Glossary

Swivel Caster	A steerable wheel that allows mobility of profile frames.
Tap	To machine a female screw thread to draw on.
Tee Joining Plate	A pre-drilled flat plate used to connect profiles that intersect at right angles.
TFE	Teflon Flourocarbon Resin: Abrasion-resistant material used especially for higher temperature applications.
Threaded Stem Swivel Caster	A steerable wheel mounted to a frame by means of a threaded rod.
T-Nut	A special threaded flat screw nut designed to fit into the T-slot of 80/20® profiles.
Transition Bracket	A pre-drilled angle bracket designed to join a 10 Series profile to a 15 Series profile.
Transition Strip	A pre-drilled flat strip designed to join a 10 Series profile to a 15 Series profile.
Triple T-Nut	A T-nut with three threaded holes with centerlines that match those of joining plates, used to speed up assembly.
T-Slot Cover	A colored, plastic cover that snaps into the profile T-slot.
T-Slot Designation Chart	A diagram to assist in locating machining service points for 80/20® T-slotted profiles.
T-Slot Stud	A threaded bolt designed so that the bolt head fits into the T-slot of a profile, leaving the threaded end protruding.
T-Slotted	An opening extruded into, or machined out of, a solid surface in the shape of a “T”, designed to capture or hold in place fasteners that can be located anywhere along the surface of the material.
Typ.	Typical.
USDA	United States Department of Agriculture.
UHMW	Ultra High Molecular Weight
UHMW-PE	Ultra High Molecular Weight Polyethylene: excellent abrasion-resistant material used for bearing pads, etc.
Uni Nub	Universal Nub: A connecting block that allows attached profiles to swing 180 degrees parallel to or perpendicular to the attached T-slot.
Universal Pivot	A connecting block assembly that allows attached profiles to swing 180 degrees parallel to or perpendicular to the attached T-slot.
Universal Pivot Nub	A connecting block that allows attached profiles to swing 180 degrees parallel to or perpendicular to the attached T-slot.
UPS	United Parcel Service: A package delivery service company.
Value Add	The frame assembly division of 80/20® Inc. Value Add can assemble your frame kit for you and ship it to you, ready to use.
White Board	A white drawing surface that requires only a dry eraser or cloth to remove writing or drawing from it.
Wire Duct	A one piece, flexible molded nylon duct for containing wires and tubes. Open slots allow for lead offs; pieces snap together end to end for continuous travel.
Zerk Fitting	A male, ball-shaped snap fitting, typically used to lubricate bearing surfaces with a grease gun containing a female fitting.
Zinc Plating	A bright silver or black corrosion-resistant coating used on some metal products.

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Metric/U.S. Customary Unit Equivalents

Linear				
inches	x 25.40	= millimeter (mm)	x 0.03937	= inches
feet	x 0.3048	= meters (m)	x 3.281	= feet
yards	x 0.9144	= meters (m)	x 1.0936	= yards
miles	x 1.6093	= kilometers (km)	x 0.6214	= miles
inches	x 2.540	= centimeters (cm)	x 0.3937	= inches
microinches	x 0.0254	= micrometers (um)	x 39.37	= microinches
Area				
$inches^2$	x 645.16	= $millimeters^2$ (mm^2)	x 0.00155	= $inches^2$
$inches^2$	x 6.452	= $centimeters^2$ (cm^2)	x 0.155	= $inches^2$
$feet^2$	x 0.0929	= $meters^2$ (m^2)	x 10.764	= $feet^2$
$yards^2$	x 0.8361	= $meters^2$ (m^2)	x 1.196	= $yards^2$
acres	x 0.4047	= hectares (10^4 m^2) or (ha)	x 2.471	= acres
$miles^2$	x 2.590	= $kilometers^2$ (km^2)	x 0.3861	= $miles^2$
Mass				
ounces (av)	x 28.35	= grams (g)	x 0.03527	= ounces (av)
pounds (av)	x 0.4536	= kilograms (kg)	x 2.2046	= pounds (av)
tons (2000 lb)	x 907.18	= kilograms (kg)	x 0.001102	= tons (2000 lb)
tons (2000 lb)	x 0.90718	= metric tons (t)	x 1.1023	= tons (2000 lb)
pounds/foot	x .671969	= kilograms/meter	x 1.4888	= pounds/foot
Force				
ounces - f	x 0.278	= newtons (N)	x 3.597	= ounces - f
pounds - f	x 4.448	= newtons (N)	x 0.2248	= pounds - f
kilograms - f	x 9.807	= newtons (N)	x 0.10197	= kilograms - f

Part Number Index

Fractional Part Numbers

1001....70, 160
1002....70, 161
1003....71, 162
1004....71, 163
1010....70, 159
1012....71, 164
1020....72, 167
1030....72, 168
1050....70, 165
1501....76, 178
1501-LS....81, 177
1502....76, 180
1502-LS....81, 179
1503....76, 182
1503-LS....81, 181
1504....76, 184
1504-LS....81, 183
1515....74, 176
1515-Lite....74, 174
1515-LS....80, 173
1515-S....80, 175
1515-UL....74, 172
1515-ULS....80, 171
1517....75, 187
1517-LS....81, 186
1530....77, 195
1530-Lite....77, 193
1530-LS....82, 192
1530-S....82, 194
1530-UL....56, 73
1530-ULS....56, 79
1534-Lite....74, 189
1545....77, 197
1545-S....82, 196
1547....75, 185
1575....80, 188
2012....71, 166
2015....436
2015BLU....436
2015GRA....436
2015-Plain....436
2015RED....436
2015YEL....436
2020....72, 169
2022....436
2022BLU....436
2022GRA....436
2022-Plain....436
2022RED....436
2022YEL....436
2025....436
2025BLU....436
2025GRA....436
2025-Plain....436
2025RED....436
2025YEL....436
2026....436
2026BLU....436
2026GRA....436
2026-Plain....436
2026RED....436
2026YEL....436
2028....436
2028BLU....436
2028GRA....436
2028-Plain....436
2028RED....436
2028YEL....436
2030....436
2030BLU....436
2030GRA....436
2030-Plain....436
2030RED....436
2030YEL....436
2035....436
2035BLU....436
2035GRA....436
2035-Plain....436
2035RED....436
2035YEL....436
2036....436
2037....436
2040....72, 170
2045....436
2045BLU....436
2045GRA....436
2045-Plain....436
2045RED....436
2045YEL....436
2046....436
2046BLU....436
2046GRA....436
2046-Plain....436
2046RED....436
2046YEL....436
2050....436
2050BLU....436
2050GRA....436
2050-Plain....436
2050RED....436
2050YEL....436
2051....396
2052....381
2053....386
2055....381
2056....376
2057....395
2058....376
2059....396
2060....373
2061....373
2062....373
2063....381
2064....357
2065....357
2066....357
2067....395
2068....395
2069....388
2070....377, 1191
2071....363
2073....356
2074....356
2075....356
2076....356
2077....356
2078....356
2079....375
2080....362
2081....362, 1189
2082....382
2083....382
2084....365
2085....365, 1110
2086....365, 1190
2087....382
2088....388
2089....382
2090....390
2091....363
2093....356
2094....356
2095....356
2096....356
2097....356
2098....356
2099....447
2100....447
2101....357
2102....357
2103....357
2104....357
2105....357
2106....357
2107....387
2108....447
2109....437
2110....437
2111....437
2112....437
2113....437
2114....437
2115....404, 1187
2116....404, 1187
2117....404
2118....404
2120....403
2121....389
2122....389
2123....389
2124....480
2125....388
2126....385
2127....480
2128....480
2129....480
2130....482
2131....480
2132....480
2133....452, 453
2134....394
2135....482
2136....481
2137....480
2138....482
2139....480
2140....482
2141....483
2142....481
2143....481
2144....452, 453
2145....482
2146....483
2147....466
2148....472
2149....472
2150....451
2151....451
2152....452, 453
2153....452, 453
2154....452, 453
2155....452, 453
2159....451
2160....451
2161....451
2162....451
2163....451
2164....451
2165....486
2166....484
2167....484
2168....484
2169....485
2170....486
2171....485
2172....452, 453
2173....452, 453
2175....486
2177....405, 1187
2178....405, 1187
2180....487
2181....475, 1149
2182....475, 1149
2183....475, 1149
2184....475, 1149
2186....474
2187....474, 1148, 1207
2188....474, 1148, 1207
2189....474, 1148
2190....478, 1151, 1208
2191....479, 1152, 1207
2192....478
2193....479
2194....478, 1151, 1208
2195....479, 1152, 1207
2200....478, 1151
2201....479, 1152
2202....478
2203....473
2204....473
2207....477, 1150
2208....477, 1150
2209....477
2210....220, 401
2211....220, 401
2215....476
2216....476
2217....476
2220....220, 401
2221....220, 401
2230....446, 1133
2240....446, 1133
2250....446, 1133
2264....446
2265....446
2270....446, 1133
2271....446, 1133
2272....446, 1133
2280....398, 529

80/20® Inc.

*The **Industrial** Erector Set®*

THE STANDARD

2281....398, 529
2282....398, 529
2290....398, 529
2291....460, 1206
2292....460, 1206
2293....460, 1206
2294....460, 1206
2295....460
2296....460
2298....459, 1145, 1205
2299....459, 1145, 1205
2300....459, 1145, 1205
2305....459, 1145
2306....459, 1145
2307....459, 1145
2310....459, 1145
2311....461, 1146
2312....461, 1146
2314....461, 1146
2316....461, 1146
2317....461, 1146
2318....461, 1146
2321....461, 1146
2323....461, 1146
2333....463, 1147
2334....463, 1147
2335....463, 1147
2336....463, 1147
2337....462
2338....462
2340....451
2341....451
2349....451
2350....451
2361....480
2362....480
2363....481
2364....481
2365....482
2366....482
2367....483
2380....495
2385....495
2387....495
2390....495
2400....495
2404....496
2405....496
2406....468
2407....468
2408....468
2409....468
2410....495
2413....1154
2414....496
2415....496
2416....496
2417....496
2418....464
2419....464
2420....464
2421....412
2422....412
2423....412
2424....402
2425....407
2426....464
2427....407
2428....408
2429....402
2430....408, 1112
2431....417, 1115
2432....417, 1115
2433....414, 1113
2434....414, 1113
2435....416, 417, 1115
2436....416, 417, 1115
2437....417, 419, 1115, 1116
2438....417, 419, 1115, 1116
2439....451
2440....451
2441....451
2446....451
2447....451
2448....451
2449....451
2450....451
2451....451
2452....207, 428, 1124, 1198
2453....207, 428, 1124, 1198
2454....207, 428, 1124, 1198
2455....207, 428, 1124, 1198
2456....207, 428, 1124, 1198
2457....63, 207, 428, 1124, 1198
2460....430, 1126, 1200
2461....430, 1126, 1200
2462....430, 1126, 1200
2463....430, 1126, 1200
2464....430, 1126, 1200
2465....420
2467....430, 1126, 1200
2468....430, 1126, 1200
2470....430, 1126, 1200
2471....430, 1126, 1200
2472....431, 1127, 1201
2473....431, 1127, 1201
2474....431, 1127, 1201
2475....431, 1127, 1201
2476....431, 1127, 1201
2477....431, 1127, 1201
2478....431, 1127, 1201
2479....430, 1126, 1200
2480....429, 1125, 1199
2481....429, 1125, 1199
2482....429, 1125, 1199
2488....413
2489....413
2490....417
2491....416, 417
2492....417, 419
2493....417
2494....416, 417
2495....417, 419
2496....414
2497....414
2500....450
2501....450
2502....450
2503....450
2504....450
2505....450
2506....450
2507....450
2508....450
2509....450
2510....450
2511....450
2512....415
2513....415
2515....415, 1114
2516....415, 1114
2517....418, 419, 1116
2518....419, 1116
2519....418, 419, 1116
2520....419, 1116
2521....418, 419
2522....419
2523....418, 419
2524....419
2525....331
2526....331
2527....331
2528....331
2529....331
2530....331
2531....331
2532....331
2533....332
2534....332
2535....331
2536....331
2537....332
2538....332
2539....332
2540....331
2541....331
2542....332
2543....332
2544....332
2545....331
2546....332
2547....332
2548....332
2549....332
2550....331
2551....332
2552....332
2553....332
2554....332
2555....331
2556....331
2557....331
2558....331
2559....331
2560....331
2561....331
2562....331
2563....331
2564....331
2565....330
2566....330
2567....330
2568....330
2569....332
2570....330
2571....330
2572....330
2573....330
2574....330
2575....330
2576....332
2577....332
2578....331
2579....331
2580....331
2581....331
2582....332
2601....421, 1117, 1192
2602....421, 1117, 1192
2603....421, 1117, 1192
2604....421, 1117, 1192
2605....421, 1117, 1192
2606....421, 1117, 1192
2607....421, 1117, 1192
2608....421, 1117, 1192
2609....422, 1118, 1193
2610....422, 1118, 1193
2611....422, 1118, 1193
2612....422, 1118, 1193
2613....423, 1119, 1194
2614....423, 1119, 1194
2615....424, 1120, 1195
2616....424, 1120, 1195
2617....424, 1120, 1195
2618....424, 1120, 1195
2619....424, 1120, 1195
2620....424, 1120, 1195
2621....424, 1120, 1195
2622....424, 1120, 1195
2623....424, 1120, 1195
2624....424, 1120, 1195
2629....422, 1118, 1193
2630....422, 1118, 1193
2631....424, 1120, 1195
2632....424, 1120, 1195
2633....425, 1121, 1196
2634....425, 1121, 1196
2635....425, 1121, 1196
2636....425, 1121, 1196
2637....425, 1121, 1196
2640....426, 1122, 1197
2641....421, 1117, 1192
2642....421, 1117, 1192
2643....422, 1118, 1193
2644....422, 1118, 1193
2645....422, 1118, 1193
2646....422, 1118, 1193
2647....422, 1118, 1193
2650....425, 1121, 1196
2651....427, 1123, 1198
2652....427, 1123, 1198
2653....427, 1123, 1198
2654....427, 1123, 1198
2655....427, 1123, 1198

Index

2656.....427, 1123, 1198
2657.....427, 1123, 1198
2658.....427, 1123, 1198
2660.....423, 1119, 1194
2661.....423, 1119, 1194
2662.....423, 1119, 1194
2663.....423, 1119, 1194
2666.....427, 1123, 1198
2667.....427, 1123, 1198
2668.....427, 1123, 1198
2669.....427, 1123, 1198
2670.....455, 937
2674.....455, 937
2675.....455, 937
2676.....455, 937
2700.....465
2701.....465
2704.....465
2705.....465
2708.....465
2709.....465
2712.....465
2713.....465
2714.....467
2715.....467
2716.....467
2717.....467
2723.....469
2724.....469
2727.....469
2728.....469
2730.....380
2731.....63, 470
2745.....390
2750.....399, 530
2751.....400, 531
2752.....399, 530
2753.....400, 531
2754.....399, 530
2755.....400, 531
2756.....400, 531
2757.....399, 530
2758.....400, 531
2759.....400, 531
2760.....383
2761.....383
2763.....383
2765.....383
2780.....379
2781.....379
2782.....379
2796.....346, 348
2797.....346, 348
2798.....346
2799.....346
2800.....428, 443, 1132
2802.....428, 443, 1132
2804.....428, 443, 1132
2806.....428, 443, 1132
2810.....443
2811.....1132
2816.....437
2817.....437
2818.....437
2819.....437
2820.....437
2821.....437
2822.....437
2823.....437
2824.....437
2825.....437
2826.....437
2827.....437
2829.....406
2830.....358
2831.....358
2832.....358
2833.....358
2834.....406
2835.....358
2836.....358
2837.....358
2838.....358
2839.....358
2840.....358
2841.....358
2842.....358
2843.....449
2844.....449
2845.....449
2846.....449
2849.....448
2850.....448
2851.....449
2852.....449
2854.....444
2855.....444
2856.....444
2857.....444
2858.....444
2859.....445
2860.....445
2861.....445
2862.....445
2863.....445
2864.....445
2865.....445
2866.....445
2867.....445
2868.....445
2869.....445
2870.....445
2880.....373
2881.....373
2882.....373
2884.....374
2885.....374
2886.....374
2887.....374
2888.....1111
2889.....1111
2890.....439, 930
2891.....439, 930
2892.....439, 930
2893.....439, 930
2894.....439, 930
2895.....439, 930
2899.....439
2901.....492
2902.....492
2903.....492
2904.....492
2905.....492
2906.....492, 1153
2907.....492, 1153
2908.....492, 1153
2922.....382
2923.....382
2927.....382
2929.....382
2932.....382
2933.....382
2937.....382
2939.....382
2952.....382
2953.....382
2957.....382
2959.....382
3000.....255, 256
3002.....255, 256
3004.....253, 256
3005.....249
3010.....229, 719
3011.....249
3012.....249
3017.....249
3018.....249
3022.....249
3024.....249
3030.....78, 201
3030-Lite.....78, 199
3030-LS.....83, 198
3030-S.....83, 200
3032.....249
3034-Lite.....77, 191
3035.....256
3042.....249
3044.....249
3048.....249
3050.....249
3051.....249
3052.....249
3053.....250
3054.....249
3055.....250
3056.....249
3057.....249
3058.....249
3059.....249
3060.....78, 202
3061.....249
3062.....249
3063.....249
3064.....249
3065.....249
3066.....249
3067.....249
3068.....249
3071.....249
3072.....249
3075.....82, 190
3080.....249
3081.....249
3082.....249
3085.....249
3086.....249
3087.....249
3088.....249
3090.....243
3091.....243
3092.....243
3093.....243
3094.....243
3095.....243
3096.....243
3097.....243
3098.....243
3099.....243
3100.....243
3102.....243
3104.....249
3106.....249
3110.....249
3111.....249
3112.....249
3114.....249
3116.....229, 249
3117.....249
3118.....249
3119.....249
3120.....229, 249
3122.....249
3123.....249
3124.....249
3125.....249
3126.....229, 249
3127.....249
3129.....249
3130.....249
3131.....249
3132.....249
3133.....249
3134.....229, 249
3150.....254, 256, 266
3151.....254, 256
3152.....254, 256
3153.....254, 256
3154.....254, 256
3183.....246
3189.....246
3201.....230
3202.....230
3203.....230
3204.....230
3205.....230
3206.....230
3208.....250
3214.....250
3258.....250
3260.....250
3261.....250
3266.....436
3267.....436
3272.....454
3273.....454
3274.....454
3275.....226, 249
3276.....226, 249
3278.....226, 249
3279.....227, 249

80/20® Inc.

*The **Industrial** Erector Set®*

THE STANDARD

3280....227, 249
3281....227, 249
3282....233, 250
3283....233, 250
3284....233, 250
3285....228, 249
3286....226, 249
3287....228, 249
3288....229, 249
3289....256
3290....229, 249
3291....256
3293....240, 249
3295....240, 249
3297....240, 249
3299....240, 249
3300....256
3301....256
3302....255, 256
3303....255, 256
3304....253, 256, 267
3305....253, 256
3306....253, 256
3307....253, 256
3308....253, 256
3309....234, 250
3310....234, 250
3311....234, 250
3312....234, 250
3313....234, 250
3315....256
3318....253, 256, 265
3319....253, 256, 265
3320....253, 256, 265, 268
3321....253, 256, 266, 267
3322....256
3323....253, 256, 265, 268
3325....254, 256, 265
3330....249
3340....249
3342....249
3343....246
3344....246
3346....441
3348....441
3351....246
3352....246
3354....242
3355....255, 256, 268
3356....255, 256, 268
3357....255, 256, 268
3358....255, 256, 268
3359....242
3360....242
3361....242
3362....242
3363....242
3364....248, 311
3365....253, 256
3366....253, 256
3367....253, 256
3368....248, 311
3369....244
3370....244
3371....256, 267
3372....256, 267
3375....233, 250
3376....233, 250
3378....245
3379....245
3380....245
3381....245
3382....226, 249
3383....246
3384....253, 256
3385....256
3386....253, 256, 266, 267
3387....256
3388....256
3389....246
3390....249
3391....242
3392....242
3393....253, 256, 268
3394....253, 256, 268
3395....242
3396....242
3397....253, 256, 267
3398....253, 256, 266, 267
3399....253, 257, 266, 267
3400....249
3405....249
3406....249
3407....257
3408....257
3409....257
3410....249
3411....249
3412....254, 257
3413....255, 257
3414....254, 257
3415....255, 257
3416....257
3417....257
3418....257
3419....257
3420....249
3421....257
3422....257
3423....257
3424....257
3426....257
3427....257
3428....257
3429....257
3430....257
3431....257
3432....257
3433....257
3434....257
3435....253, 257, 265
3436....257
3437....253, 257, 265
3439....253, 257, 265, 268
3441....253, 257, 265, 268
3442....253, 257
3443....253, 257, 266
3445....253, 257, 266
3446....253, 257
3450....253, 257, 265
3452....253, 257, 265
3454....253, 257, 265
3455....253, 257
3456....253, 257, 265
3457....253, 257
3458....253, 257, 266
3459....253, 257
3460....253, 257, 266
3461....257
3462....253, 257, 265
3463....253, 257
3464....253, 258, 265
3465....258
3466....253, 258, 265
3467....258
3468....253, 258, 265
3469....253, 258
3470....253, 258, 266
3471....258
3472....253, 258, 266
3473....258
3474....258
3475....258
3476....255, 258, 265
3478....255, 258, 266
3479....258
3480....253, 258, 266, 267
3481....253, 258, 266, 267
3482....253, 258, 267
3483....253, 258
3484....253, 258, 267
3485....253, 258
3486....253, 258, 266
3487....253, 258
3488....258
3489....253, 258
3490....253, 258, 266
3491....253, 258, 266, 267
3492....253, 258, 266, 267
3493....253, 258
3494....253, 258
3495....253, 258, 266
3496....253, 258, 266
3497....253, 258, 267
3498....253, 258, 267
3499....258
3500....336, 341
3501....335, 340
3600....233, 251
3602....233, 251
3605....234, 251
3608....234, 251
3609....251
3610....251
3611....251
3612....251
3613....329
3614....251
3615....251
3616....251
3617....251
3618....258
3619....251
3620....255, 258, 265
3621....251
3622....251
3623....251
3624....233, 251
3625....516
3627....251
3628....516
3630....255, 258, 265, 268
3632....255, 258, 266
3634....255, 258, 265
3636....255, 258, 265
3638....255, 258, 266
3639....258
3640....255, 258, 265
3642....255, 258, 266
3644....254, 258, 265
3645....251
3646....254, 258, 266
3647....255, 258
3648....259
3656....251
3657....251
3658....251
3659....251
3660....242
3663....251
3665....242
3666....60, 235
3667....60, 235
3668....60, 235
3669....60, 235
3670....60, 235
3675....226
3676....226, 251
3677....251
3678....226, 251
3679....245
3680....245
3681....245
3682....245
3685....251
3686....226, 251
3687....251
3688....251
3689....251
3690....251
3691....251
3692....251
3693....251
3694....251
3695....251
3696....251
3697....251
3698....251
3699....255, 259, 265
3703....230
3707....250
3709....250
3714....250
3716....250

Index

3720....250
3737....254, 259, 266
3745....254, 259, 265
3747....251, 1101
3748....251, 1101
3749....251, 1101
3750....251, 1101
3751....251, 1101
3752....251, 1101
3753....251, 1101
3754....251, 1101
3755....251, 1101
3758....1101
3759....1101
3760....250, 1101
3762....250
3764....250
3766....436
3767....436
3778....226, 250
3781....234, 250
3782....233, 250
3783....233, 250
3784....233, 250
3785....226, 250
3786....226, 250
3787....234, 250
3788....234, 250
3790....233, 250
3791....233, 250
3792....246
3793....246
3794....246
3795....246
3800....227
3801....252
3802....252
3803....252
3804....252
3805....228
3806....252
3807....252
3808....252
3809....252
3810....252
3811....252
3812....252
3813....252
3814....252
3815....252
3816....254, 259, 265
3817....254, 259, 265
3818....252
3819....252
3820....252
3821....252
3822....252
3824....254, 259, 266, 267
3825....259
3826....259
3827....254, 259, 267
3829....254, 259
3830....254, 259, 265
3831....259
3832....254, 259, 265
3833....254, 259, 266, 267
3834....254, 259, 265
3835....259
3836....226, 252
3838....226, 252
3840....254, 259, 265
3841....259
3842....233, 252
3843....233, 252
3845....254, 259
3847....254, 259, 267
3849....254, 259, 266
3850....254, 259, 267
3851....229, 252
3852....229, 252
3853....229, 252
3854....229, 252
3855....259, 267
3856....254, 259, 267
3857....229, 252
3859....226, 252
3860....252, 1101
3861....252
3862....259
3863....255, 259, 268
3864....254, 259, 265
3865....254, 259, 265
3866....230
3867....254, 259, 268
3868....230
3869....254, 259, 266
3870....254, 259, 265, 268
3871....230
3872....254, 259, 265, 268
3873....230
3874....254, 259, 265
3875....233, 252
3876....233, 252
3877....254, 259, 266
3878....254, 259, 265
3879....227
3880....255, 259
3881....255, 259
3882....255, 259
3883....255, 259
3884....255, 259
3885....259
3886....254, 259, 266
3887....254, 259, 266
3888....254, 259, 266
3889....259, 265
3890....259, 266
3891....245
3892....234, 250
3894....234, 250
3895....245
3896....242
3897....242
3898....234, 250
3899....259, 266
3900....228
3901....246
3902....246
3903....250
3906....250
3908....250
3910....250
3913....235, 250
3914....235, 250
3915....235, 250
3916....235, 250
3917....235, 250
3919....60, 235
3920....60, 235
3921....60, 235
3922....60, 235
3923....60, 235
3930....239
3931....239
3932....239
3933....239
3940....251, 1101
3941....251, 1101
3942....251, 1101
3943....251, 1101
3944....251, 1101
3945....251, 1101
3946....251, 1101
3947....251, 1101
3948....251, 1101
3950....251, 1101
3951....251, 1101
3952....251, 1101
3953....251, 1101
3954....251, 1101
3955....251, 1101
3956....251, 1101
3957....251, 1101
3958....251, 1101
3960....1102, 1108
3961....1102, 1108
3962....1102, 1108
3963....1102, 1108
3964....1102, 1108
3965....1102, 1108
3970....1102
3971....1102
3972....1102
3973....1102
3974....1102
3975....1102
4001....323
4002....323
4003....324
4004....328
4005....328
4006....328
4007....328
4008....328
4009....328
4013....280
4014....286
4015....281
4016....287
4017....287
4020....286
4021....300
4022....301
4023....303
4024....347
4025....342
4026....342
4027....343
4028....340
4029....340
4030....340
4031....340
4032....340
4033....340
4041....308
4042....308
4051....348
4053....348
4055....348
4061....294
4080....310
4081....310
4101....276
4107....290
4108....269
4110....304
4111....284
4112....299
4113....275
4114....285
4115....275
4116....346
4117....291
4118....290
4119....269
4120....294
4121....283
4122....283
4123....299
4124....346
4125....301
4126....296
4127....296
4128....297
4129....295
4130....346
4131....346
4132....288
4133....345
4134....289
4135....302
4136....288
4137....345
4138....289
4139....346
4140....298
4141....298
4142....346
4143....305
4145....306
4147....346
4148....346
4149....324
4150....293
4151....293
4152....295
4153....326
4154....326
4155....300
4156....326

80/20® Inc.

*The **Industrial** Erector Set®*

THE STANDARD

4157....326
4158....326
4159....326
4160....302
4161....335
4162....335
4163....335
4164....307
4165....292
4166....292
4167....291
4168....335
4169....335
4170....303
4171....335
4172....339, 344
4174....297
4175....281
4176....274
4177....338
4178....335
4180....335
4181....337
4183....335
4184....337
4185....338, 343
4186....322
4187....321
4188....322
4195....326
4196....325
4197....326
4198....326
4199....325
4250....274
4251....285
4260....276
4265....270
4266....282
4280....274, 1105
4281....285
4285....282
4286....282
4290....276
4295....270, 1105
4296....282
4301....275, 1104
4302....269, 1104
4303....275
4304....285
4305....291, 1106
4306....290, 1106
4307....290, 1105
4308....283
4309....283
4310....299, 1108
4311....284
4312....299, 1108
4313....336
4315....304
4316....304
4317....346
4318....346
4319....346
4320....294
4321....336
4322....336
4323....336
4324....346
4325....301
4326....296
4327....296
4328....297
4329....295
4330....305
4331....305
4332....288, 1104
4333....345
4334....289
4335....302, 1108
4336....288, 1104
4337....345
4338....289
4339....346
4340....298, 1107
4341....298, 1107
4342....346
4343....339, 344
4345....306
4346....306
4347....346
4348....346
4349....324
4350....293, 1106
4351....293, 1107
4352....295, 1107
4353....327
4354....327
4355....300
4356....327
4357....327
4358....327
4359....327
4360....302
4361....307
4362....307
4363....336
4364....336
4365....292
4366....292
4367....291, 1106
4370....303
4371....320
4372....319
4375....281
4376....274, 1105
4377....338
4379....336
4380....336
4381....337
4383....336
4384....337
4385....338, 343
4386....322
4387....321
4388....322
4390....319
4392....320
4394....321
4395....327
4396....325
4397....327
4398....327
4399....325
4401....323
4402....323
4403....324
4404....329
4405....329
4406....329
4407....329
4408....329
4409....329
4413....280
4414....286
4415....281
4416....287
4417....287
4420....286
4421....300
4422....301
4423....303
4424....347
4425....342
4426....342
4427....343
4428....341
4429....341
4430....341
4431....341
4432....341
4433....341
4441....308
4442....308
4451....348
4453....348
4455....348
4461....294
4468....297
4480....310
4481....310
4486....391
4487....392
4488....369
4489....369
4490....372
4491....372
4503....273
4504....280
4505....314
4506....313
4509....273
4510....312
4511....279
4512....279
4513....284
4514....314
4515....315
4518....317
4519....316
4520....317
4521....312
4522....313
4523....315
4524....316
4600....1098
4601....1098
4605....1098, 1144
4606....1098, 1144
4607....1144
4608....1144
4609....1144
4610....1144
4611....1144
4615....1137
4616....1137
4625....1131
4626....1131
4700....1099
4701....1099
4702....1099
4703....1099
5005....210, 548
5010....210, 548
5015....210, 548
5020....210, 548
5025....210, 548
5030....210, 548
5035....210, 548
5036....210, 548
5040....210, 548
5041....210, 548
5045....210, 548
5046....210, 548
5050....535
5100....535
5125....536
5150....536
5200....535
5250....536
5300....535
5340....547
5350....536
5360....546
5370....546
5400....537
5415....538
5425....538
5450....537
5475....538
5500....537
5525....538
5550....542
5575....541
5600....542
5625....541
5650....542
5675....541
5700....539
5725....540
5750....539
5775....540
5845....543
5850....543

Index

5860....544
5870....544
5880....544
5890....544
5900....543
5910....545
5920....545
5930....545
5940....545
5950....543
6000....555
6001....556
6002....556
6003....556
6004....556
6005....554
6010....553
6020....554
6030....555
6040....553
6050....554
6055....558
6060....558
6065....555
6066....556
6067....556
6069....556
6070....557
6073....556
6075....557
6076....557
6080....555
6086....552
6087....552
6088....552
6089....552
6090....553
6091....553
6092....553
6095....553
6097....553
6098....553
6099....553
6100....553
6102....554
6103....554
6104....554
6105....554
6106....552
6107....555
6108....555
6109....555
6110....555
6111....552
6115....557
6117....1100
6120....557
6121....557
6130....557
6131....557
6135....557
6136....557
6160....558
6415....500, 527
6416....500, 527
6423....502, 527
6424....502, 527
6425....501, 527
6426....501, 527
6490....516
6491....516
6515....500, 527
6516....500, 527
6523....502, 527
6524....502, 527
6525....501, 527
6526....501, 527
6530....504, 527
6531....504, 527
6533....506, 527
6534....506, 527
6535....505, 527
6536....505, 527
6590....516
6591....516
6595....518
6596....518
6700....522
6701....522
6702....522
6703....522
6705....520
6706....520
6710....396
6715....500, 527, 578
6716....500, 527, 578
6723....502, 527, 578
6724....502, 527, 578
6725....501, 527, 578
6726....501, 527, 578
6730....512
6731....512
6732....512
6733....512
6734....512
6735....512
6736....512
6737....512
6760....510
6762....510
6764....511
6766....511
6780....519
6790....516
6791....516
6792....521
6793....521
6797....517
6798....517
6800....526
6801....526
6802....526
6803....526
6804....526
6805....526
6806....526
6807....526
6808....396
6810....522
6811....522
6812....522
6813....522
6814....520
6815....500, 527, 578
6816....500, 527, 578
6817....520
6823....502, 527, 578
6824....502, 527, 578
6825....501, 527, 578
6826....501, 527, 578
6830....504, 527, 578
6831....504, 527, 578
6833....506, 527, 578
6834....506, 527, 578
6835....505, 527, 578
6836....505, 527, 578
6850....526
6851....526
6852....526
6860....510
6862....510
6864....511
6866....511
6870....512
6871....512
6872....512
6873....512
6874....512
6875....512
6876....512
6877....512
6878....512
6879....512
6881....519
6883....512
6884....512
6890....516
6891....516
6892....521
6893....521
6895....518
6896....518
6897....517
6898....517
7000....563
7001....563, 1156
7003....563
7005....563
7006....564
7007....564
7008....564
7009....564
7010....563, 1156
7012....563
7013....563
7014....564
7015....564
7016....564
7017....564
7020....563, 1156
7021....563, 1156
7023....563
7024....564
7025....564
7026....564
7028....564
7029....564
7030....563
7031....564
7032....564
7033....564
7035....564
7036....564
7037....564
7038....564
7039....564
7040....567
7041....567
7042....567
7043....567
7045....564
7046....564
7047....564
7048....564
7049....564
7050....565
7051....565
7052....564
7053....564
7054....564
7055....564
7056....564
7057....564
7058....581
7059....564
7060....564
7061....564
7062....575
7063....564
7064....564
7065....568
7066....568
7067....564
7068....575
7070....568
7071....568
7072....568
7073....568
7074....571
7075....568
7076....568
7079....571
7080....570
7081....570
7082....571
7083....571
7084....570
7085....568
7086....570
7087....568
7090....570
7092....571
7093....570
7094....571
7095....583, 1159
7098....580
7099....580
7100....583, 1159
7101....580
7102....580

80/20® Inc.

*The **Industrial** Erector Set®*

THE STANDARD

7103....580
7104....580
7105....1156
7106....1156
7110....61, 579
7150....583, 1159, 1212
7151....583, 1159, 1212
7152....604
7153....583, 1159, 1212
7155....583, 1159, 1212
7156....604
7157....604
7158....604
7159....604
7161....590
7162....602, 1162, 1213
7163....602, 1162, 1213
7164....602, 1162, 1213
7166....604
7167....583, 608
7168....583, 608
7169....583, 608
7170....583, 608
7171....603, 608
7172....602, 608
7173....602, 608
7174....605, 608
7175....605, 608
7176....594
7177....605, 608
7178....605, 608
7179....594
7180....605, 608
7181....605, 608
7182....602
7183....602
7184....602
7185....604
7186....604
7188....604
7189....604
7190....602, 608
7191....602, 608
7192....602, 608
7193....605, 608
7194....605, 608
7195....594
7196....605, 608
7197....605, 608
7198....605, 608
7199....605
7200....604
7201....604
7202....585, 608
7203....585, 608
7204....588, 608
7205....563
7206....584, 608
7207....584, 608
7208....584, 608
7209....584, 608
7210....563
7211....586, 608
7212....563
7213....563
7214....586, 608
7215....587, 608
7216....587, 608
7217....589, 608
7218....589, 608
7219....590, 608
7221....593, 608
7222....593, 608
7224....563
7231....592, 608
7232....592, 608
7233....592, 608
7234....592, 608
7235....592, 608
7236....592, 608
7240....572
7241....573
7243....573
7244....572
7245....573
7246....572, 1157
7247....573
7248....572
7256....574
7257....574
7261....568
7300....1211
7301....1211
7302....1211
7305....576
7306....582
7310....563, 1211
7311....587
7312....587
7313....595
7315....577
7320....588
7400....578
7401....578
7500....593
7501....593
7502....586
7503....586
7504....585
7505....585
7507....603
7508....603
7509....603
7510....596
7511....603
7512....603
7513....608
7514....608
7515....589
7516....589
7520....597
7521....597
7522....591
7523....591
7530....584
7531....584
7532....584
7533....584
7540....592
7541....593
7542....593
7543....593
7580....598
7581....598
7582....598
7583....598
7584....599
7585....599
7586....599
7587....599
7588....600
7589....600
7593....600
7594....601
7595....600
7596....601
7597....592
7598....592
7599....592
7600....592, 1160
7601....592
7602....592
7603....1161
8020....558
8030....558
8110....208
8111....208
8115....208
8116....208
8120....208
8121....208
8125....208
8126....208
8210....211
8211....211
8212....211
8213....211
8215....211
8216....211
8217....211
8218....211
8220....211
8221....211
8222....211
8223....211
8225....211
8226....211
8230....211
8231....211
8232....211
8233....211
8235....211
8236....211
8240....211
8241....211
8303....206
8304....206
8305....207
8306....207
8307....206
8308....206
8310....206
8311....206
8313....207
8314....207
8315....206
8316....206
8317....206
8318....206
8319....207
8320....206
8321....206
8322....206
8323....206
8325....206
8326....206
8327....206
8328....206
8330....206
8331....206
8335....206
8336....206
8337....206
8338....206
8340....206
8341....206
8342....206
8343....206
8345....206
8346....206
8360....206
8361....206
8365....206
8366....206
8370....206
8371....206
8375....206
8376....206
8385....206
8386....206
8390....206
8391....206
8392....207
8394....207
8395....207
8397....207
8399....207
8400....207
8401....207
8402....207
8403....207
8405....207
8406....207
8407....207
8408....207
8413....208
8414....208
8415....211
8416....211
8417....215
8418....215
8419....207
8420....207
8422....207

Index

8424....207
8426....215
8427....215
8445....213
8446....213
8448....213
8449....213
8507....446
8508....446
8510....218
8511....218
8512....218
8513....218
8515....218
8516....218
8520....216, 514
8521....216, 514
8525....216, 514
8526....216, 514
8527....216, 514
8528....216, 514
8530....216, 514
8531....216, 514
8535....216, 514
8536....216, 514
8540....216, 514
8541....216, 514
8545....213
8546....213
8547....213
8548....213
8550....214
8551....214
8555....214
8556....214
8560....212
8561....212
8565....215
8566....215
8567....215
8568....215
8570....219
8575....219
8580....217, 515
8581....217, 515
8582....217, 515
8583....217, 515
8584....217, 515
8585....217, 515
8586....217, 515
8587....217, 515
8591....214
8592....214
8593....214
8594....214
8600....209
8601....209
8605....209
8606....209
8610....218
8611....218
8620....212
8621....212
8625....212
8626....212
8630....212
8631....212
8635....212
8636....212
8703....207
8704....207
8710....207
8711....207
8713....207
8714....207
8720....207
8721....207
8722....207
8723....207
8724....207
8725....207
8900....230
8900-36....230
8901....230
8901-36....230
9000....109, 1169
9005....109, 1169
9010....109, 1169
9015....109, 1169
9025....110, 1170
9030....110, 1170
9035....110, 1170
9110....1173
9113....1178, 1204
9115....1173
9120....1174
9130....1175
9140....1174
9150....1176
9153....1179, 1204
9160....1176
9170....1177
9180....1177
9190....1178
9198....1179
9210....1173
9213....1178, 1204
9215....1173
9220....1174
9230....1175
9240....1174
9242....1175
9245....1181
9247....1181
9250....1176
9253....1179, 1204
9260....1176
9270....1177
9271....1180
9273....1180
9275....1182
9280....1177
9290....1178
9297....1183
9300....1188
9301....1188
9302....1188
9305....1188
9306....1188
9307....1188
9310....1188
9315....1191
9320....1188
9325....1188
9330....1184
9350....1205
9351....1205
9355....1186
9356....1186
9360....1206
9700....105, 1093
9701....105, 1093
9705....105, 1094
9706....106, 1094
9725....106, 1095
9726....106, 1095
9728....106, 1095
9755....1130
9755-Plain....1130
9760....1100
9820....1135
9821....1135
9822....1135
9823....1135
9824....1135
9825....1135
9826....1135
9827....1135
9828....1135
9829....1135
9830....1135
9831....1135
9840....1134
9841....1134
9842....1134
9843....1134
9844....1134
9845....1134
9846....1134
9847....1134
9848....1134
9860....1136
9861....1136
9862....1136
9863....1136
9864....1136
9865....1136
9866....1136
9867....1136
9868....1136

Metric Part Numbers

11-1065....744
11-4065....744
11-4516....744
11-4710....744
11-4712....744
11-5065....744
11-5308....744
11-5310....744
11-5312....744
11-5314....744
11-5316....744
11-5510....744
11-5512....744
11-5516....744
11-5520....744
11-5708....744
11-5710....744
11-5712....744
11-5714....744
11-5716....744
11-6039....744
11-6040....744
11-6041....744
11-6042....744
11-6065....744
11-6310....744
11-6312....744
11-6314....744
11-6316....744
11-6318....744
11-6320....744
11-6510....744
11-6512....744
11-6514....744
11-6516....744
11-6518....744
11-6520....744
11-6525....744
11-6530....744
11-6535....744
11-6540....744
11-6714....744
11-6716....744
11-6718....744
11-6720....744
11-8065....744
11-8312....744
11-8316....744
11-8318....744
11-8320....744
11-8325....744
11-8512....744
11-8516....744
11-8518....744
11-8520....744
11-8525....744
11-8530....744
11-8535....744
11-8540....744
11-8716....744
11-8720....744
13-1520....743
13-1525....743
13-1716....743, 745
13-2065....743
13-3758....1101
13-3759....1101
13-3940....1101
13-3941....1101
13-3942....1101
13-3943....1101
13-3944....1101
13-3945....1101
13-3946....1101
13-3947....1101
13-3948....1101
13-3950....1101
13-3951....1101

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THE STANDARD

13-3952 1101
13-3953 1101
13-3954 1101
13-3955 1101
13-3956 1101
13-3957 1101
13-3958 1101
13-5065 743
13-5310 743
13-5312 743
13-5316 743
13-5320 743
13-5510 743
13-5512 743
13-5516 743
13-5520 743
13-5530 743
13-5712 ..... 743, 745
13-6040 743
13-6041 743
13-6042 743
13-6043 743
13-6044 743
13-6065 743
13-6310 743
13-6312 743
13-6316 743
13-6320 743
13-6325 743
13-6510 743
13-6512 743
13-6516 743
13-6520 743
13-6525 743
13-6530 743
13-6535 743
13-6540 743
13-6710 ..... 743, 745
13-6712 ..... 743, 745
13-6716 ..... 743, 745
13-8065 743
13-8312 743
13-8316 743
13-8320 743
13-8325 743
13-8512 743
13-8516 743
13-8518 743
13-8520 743
13-8522 743
13-8525 743
13-8530 743
13-8535 743
13-8540 743
13-8550 743
13-8712 ..... 743, 745
13-8716 ..... 743, 745
13-8720 ..... 743, 745
17-1065 745
17-5310 745
17-5312 745
17-5316 745
17-5510 745
17-5512 745
17-5516 745
17-5520 745
17-6041 745
17-6042 745
17-6065 745
17-6310 745
17-6312 745
17-6316 745
17-6320 745
17-6510 745
17-6512 745
17-6516 745
17-6520 745
17-6712 745
17-8065 745
17-8312 745
17-8316 745
17-8320 745
17-8325 745
17-8512 745
17-8516 745
17-8520 745
17-8525 745
17-8530 745
17-8535 745
17-8540 745
19-1065 746
19-6041 746
19-6042 746
19-6065 746
19-6312 746
19-6316 746
19-6320 746
19-6325 746
19-6512 746
19-6516 746
19-6520 746
19-6525 746
19-8065 746
19-8312 746
19-8316 746
19-8320 746
19-8325 746
19-8512 746
19-8516 746
19-8520 746
19-8525 746
19-8530 746
19-8920 ..... 721, 746
19-8925 ..... 721, 746
19-8930 ..... 721, 746
19-8935 ..... 721, 746
19-8945 ..... 721, 746
20-2020 ..... 85, 650
20-2040 ..... 85, 651
20-2490 ..... 898, 899
20-2491 899
20-2492 ..... 898, 899
20-2493 ..... 898, 899
20-2494 899
20-2495 ..... 898, 899
20-2496 896
20-2497 896
20-2565 813
20-2566 813
20-2567 813
20-2568 813
20-2570 813
20-2575 813
20-3681 739
20-3895 739
20-4040 ..... 85, 652
20-7005 1029
20-7020 1029
20-7030 1029
20-7042 1033
20-7046 1030
20-7047 1030
20-7061 1030
20-7063 1030
20-7064 1030
20-7065 1035
20-7067 1030
20-7069 1031
20-7075 1035
20-7080 1037
20-7082 1038
20-7085 1035
20-7090 1037
20-7092 1038
20-7202 ..... 1053, 1076
20-7211 ..... 1054, 1076
20-7215 ..... 1055, 1076
20-7231 ..... 1061, 1076
20-7311 1055
20-7504 ..... 1053, 1076
20-7512 1054
20-7597 ..... 1060, 1061
20-8515 707
20-8516 707
25-1941 746
25-1951 746
25-1954 ..... 720, 746
25-1956 ..... 724, 746
25-1961 746
25-1962 746
25-1964 ..... 720, 746
25-1966 ..... 724, 746
25-2015 918
25-2025 918
25-2028 918
25-2059 879
25-2062 858
25-2064 839
25-2065 839
25-2066 839
25-2067 878
25-2071 844
25-2073 838
25-2074 838
25-2075 838
25-2076 838
25-2077 838
25-2078 838
25-2081 843
25-2086 846
25-2099 926
25-2112 920
25-2113 920
25-2114 920
25-2116 887
25-2118 887
25-2122 874
25-2128 960
25-2129 960
25-2131 960
25-2132 960
25-2137 960
25-2139 960
25-2142 961
25-2143 961
25-2151 935
25-2152 935
25-2154 935
25-2157 935
25-2159 935
25-2177 888
25-2186 954
25-2192 958
25-2193 959
25-2205 956
25-2211 ..... 709, 884
25-2221 ..... 709, 884
25-2281 ..... 880, 1010
25-2341 935
25-2349 935
25-2361 960
25-2362 960
25-2363 961
25-2364 961
25-2380 976
25-2385 976
25-2387 976
25-2406 949
25-2414 977
25-2416 977
25-2418 945
25-2419 945
25-2427 889
25-2428 890
25-2439 935
25-2451 935
25-2489 895
25-2490 899
25-2491 ..... 898, 899
25-2492 ..... 899, 901
25-2493 899
25-2494 ..... 898, 899
25-2495 ..... 899, 901
25-2496 896
25-2497 896
25-2501 ..... 88, 654
25-2502 ..... 88, 655
25-2503 ..... 88, 656
25-2504 ..... 88, 657
25-2512 897
25-2513 897
25-2514 ..... 87, 659
25-2521 ..... 900, 901

Index

25-2522 901
25-2523 ..... 900, 901
25-2524 901
25-2525 ..... 87, 653
25-2527 ..... 87, 658
25-2550 ..... 89, 661
25-2565 813
25-2566 813
25-2567 813
25-2568 813
25-2570 813
25-2575 813
25-2576 ..... 89, 662
25-2750 ..... 882, 1012
25-2751 ..... 883, 1013
25-2752 ..... 882, 1012
25-2753 ..... 883, 1013
25-2761 868
25-2796 ..... 828, 830
25-2816 921
25-2817 921
25-2818 921
25-2819 921
25-2820 921
25-2821 921
25-2830 840
25-2831 840
25-2835 840
25-2837 840
25-2838 840
25-2841 840
25-2843 929
25-2844 929
25-2850 928
25-2882 858
25-3094 738
25-3096 738
25-3183 740
25-3204 ..... 720, 747
25-3206 746
25-3266 918
25-3272 938
25-3312 ..... 725, 747
25-3313 ..... 725, 747
25-3363 737
25-3369 736
25-3376 ..... 724, 747
25-3382 747
25-3383 740
25-3392 737
25-3396 737
25-3501 ..... 817, 822
25-3625 998
25-3681 739
25-3682 739
25-3766 918
25-3895 739
25-3896 737
25-4024 829
25-4025 824
25-4026 824
25-4027 825
25-4028 822
25-4029 822
25-4030 822
25-4031 822
25-4032 822
25-4033 822
25-4051 830
25-4053 830
25-4055 830
25-4107 781
25-4108 758
25-4111 773
25-4112 792
25-4113 768
25-4114 775
25-4115 768
25-4116 828
25-4117 784
25-4118 782
25-4119 758
25-4120 788
25-4124 828
25-4125 793
25-4128 789
25-4129 789
25-4132 779
25-4133 827
25-4134 780
25-4135 794
25-4136 779
25-4137 827
25-4138 780
25-4139 828
25-4140 791
25-4141 790
25-4148 828
25-4149 808
25-4150 786
25-4151 787
25-4152 788
25-4153 810
25-4154 810
25-4155 793
25-4156 810
25-4165 785
25-4166 785
25-4167 784
25-4168 817
25-4169 817
25-4170 795
25-4171 817
25-4172 ..... 821, 826
25-4175 773
25-4176 767
25-4177 820
25-4178 817
25-4180 817
25-4181 819
25-4183 817
25-4184 819
25-4185 ..... 820, 825
25-4186 808
25-4187 807
25-4188 807
25-4195 810
25-4196 809
25-4197 810
25-4198 810
25-4199 809
25-4250 767
25-4260 772
25-4265 759
25-4286 772
25-5010 ..... 90, 664
25-5013 ..... 89, 660
25-5050 ..... 90, 663
25-6115 1023
25-6120 1023
25-6121 1023
25-6131 1023
25-6136 1023
25-6160 1024
25-6415 1009
25-6416 ..... 982, 1009
25-6423 ..... 984, 1009
25-6424 ..... 984, 1009
25-6425 ..... 983, 1009
25-6426 ..... 983, 1009
25-6490 998
25-6491 998
25-6700 1004
25-6701 1004
25-6702 1004
25-6703 1004
25-6705 1002
25-6706 1002
25-6710 879
25-6715 ..... 982, 1009, 1046
25-6716 ..... 982, 1009, 1046
25-6723 ..... 984, 1046
25-6724 ..... 984, 1009, 1046
25-6725 ..... 983, 1009, 1046
25-6726 ..... 983, 1009, 1046
25-6730 994
25-6731 994
25-6732 994
25-6733 994
25-6734 994
25-6735 994
25-6736 994
25-6737 994
25-6760 992
25-6762 992
25-6764 993
25-6766 993
25-6780 1001
25-6790 998
25-6791 998
25-6792 1003
25-6793 1003
25-6797 999
25-6798 999
25-6850 1008
25-6851 1008
25-6852 1008
25-7000 1029
25-7003 1029
25-7005 1029
25-7006 1030
25-7007 1030
25-7008 1030
25-7009 1030
25-7012 1029
25-7013 1029
25-7036 1030
25-7037 1030
25-7038 1030
25-7039 1030
25-7042 1033
25-7043 1033
25-7046 1030
25-7047 1030
25-7051 1031
25-7061 1030
25-7062 1042
25-7063 1030
25-7064 1030
25-7066 1035
25-7067 1030
25-7070 1035
25-7071 1035
25-7072 1035
25-7073 1035
25-7074 1038
25-7079 1038
25-7081 1037
25-7083 1038
25-7084 1037
25-7086 1037
25-7098 1045
25-7101 1045
25-7202 ..... 1053, 1076
25-7206 ..... 1052, 1076
25-7207 ..... 1052, 1076
25-7211 ..... 1054, 1076
25-7215 ..... 1055, 1076
25-7217 ..... 1056, 1076
25-7231 ..... 1061, 1076
25-7232 ..... 1061, 1076
25-7233 ..... 1061, 1076
25-7256 1041
25-7311 1055
25-7401 1046
25-7502 1054
25-7504 1053
25-7507 1073
25-7509 1073
25-7515 1056
25-7530 1052
25-7531 1052
25-7581 1067
25-7582 1067
25-7586 1068
25-7589 1070
25-7593 1071
25-7594 1072
25-7597 ..... 1060, 1061
25-7598 ..... 1060, 1061
25-7599 ..... 1060, 1061
25-8210 700
25-8211 700
25-8212 700
25-8213 700
25-8217 700
25-8218 700
25-8222 700
25-8223 700
25-8307 698

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THE STANDARD

25-8308 698
25-8310 698
25-8311 698
25-8327 698
25-8328 698
25-8330 698
25-8331 698
25-8335 698
25-8336 698
25-8337 698
25-8338 698
25-8360 698
25-8361 698
25-8370 698
25-8371 698
25-8445 702
25-8446 702
25-8515 707
25-8516 707
25-8520 ..... 705, 996
25-8521 ..... 705, 996
25-8525 ..... 705, 996
25-8526 ..... 705, 996
25-8527 ..... 705, 996
25-8528 ..... 705, 996
25-8547 702
25-8548 702
25-8550 703
25-8551 703
25-8567 704
25-8568 704
25-8580 ..... 706, 997
25-8581 ..... 706, 997
25-8584 ..... 706, 997
25-8585 ..... 706, 997
25-8610 707
25-8611 707
25-8620 701
25-8621 701
25-8625 701
25-8626 701
25-8901 720
30-1961 717
30-2431 ..... 898, 899
30-2432 ..... 898, 899
30-2433 896
30-2434 896
30-2435 899
30-2436 899
30-2437 ..... 898, 899
30-2438 ..... 898, 899
30-2565 813
30-2566 813
30-2567 813
30-2568 813
30-2569 813
30-2570 813
30-2575 813
30-2576 813
30-3030 ..... 92, 665
30-3060 ..... 92, 666
30-3789 717
30-3796 717
30-4306 782
30-4307 781
30-4335 794
30-4340 791
30-4351 787
30-6060 ..... 92, 667
30-7010 1029
30-7020 1029
30-7030 1029
30-7034 1048
30-7044 1033
30-7045 1030
30-7048 1030
30-7055 1030
30-7056 1030
30-7059 1030
30-7060 1030
30-7065 1035
30-7075 1035
30-7080 1037
30-7082 1038
30-7085 1035
30-7090 1037
30-7092 1038
30-7203 ..... 1053, 1076
30-7208 ..... 1052, 1076
30-7209 ..... 1052, 1076
30-7216 ..... 1055, 1076
30-7234 ..... 1061, 1076
30-7246 1031
30-7257 1041
30-7312 1055
30-7314 1057
30-7505 1053
30-7522 1075
30-7523 1075
30-7532 1052
30-7533 1052
30-7600 1060
30-8515 707
30-8516 707
40-1961 746
40-1964 ..... 720, 746
40-1966 ..... 724, 746
40-1968 ..... 725, 746
40-1981 746
40-1982 746
40-1984 ..... 720, 746
40-1986 ..... 724, 746
40-1988 ..... 725, 746
40-2030 918
40-2033 918
40-2035 918
40-2037 919
40-2039 919
40-2043 919
40-2045 918
40-2050 918
40-2051 879
40-2052 866
40-2055 866
40-2060 858
40-2061 858
40-2063 866
40-2068 878
40-2079 860
40-2080 843
40-2085 846
40-2091 844
40-2093 838
40-2094 838
40-2095 838
40-2096 838
40-2097 838
40-2098 838
40-2100 926
40-2104 839
40-2105 839
40-2106 839
40-2109 920
40-2110 920
40-2111 920
40-2115 887
40-2117 887
40-2120 886
40-2121 874
40-2130 962
40-2135 962
40-2138 962
40-2140 962
40-2141 963
40-2145 962
40-2146 963
40-2147 947
40-2148 953
40-2150 935
40-2153 935
40-2155 935
40-2156 935
40-2160 935
40-2165 964
40-2170 965
40-2175 965
40-2178 888
40-2180 965
40-2206 956
40-2210 ..... 709, 884
40-2220 ..... 709, 884
40-2280 ..... 880, 1010
40-2290 ..... 880, 1010
40-2340 935
40-2350 935
40-2365 962
40-2366 962
40-2367 963
40-2390 976
40-2400 976
40-2407 949
40-2408 949
40-2409 949
40-2410 976
40-2415 977
40-2417 977
40-2420 945
40-2421 894
40-2422 894
40-2423 894
40-2425 889
40-2426 945
40-2430 890
40-2431 899
40-2432 899
40-2433 896
40-2434 896
40-2435 ..... 898, 899
40-2436 ..... 898, 899
40-2437 ..... 899, 901
40-2438 ..... 899, 901
40-2440 935
40-2441 935
40-2450 935
40-2488 895
40-2515 897
40-2516 897
40-2517 ..... 900, 901
40-2518 901
40-2519 ..... 900, 901
40-2520 901
40-2525 814
40-2530 814
40-2535 814
40-2540 814
40-2545 814
40-2550 814
40-2555 814
40-2560 814
40-2561 814
40-2562 814
40-2563 814
40-2564 814
40-2578 814
40-2579 814
40-2580 814
40-2581 814
40-2700 946
40-2701 946
40-2704 946
40-2705 946
40-2708 946
40-2709 946
40-2712 946
40-2713 946
40-2715 948
40-2716 948
40-2717 948
40-2723 950
40-2724 950
40-2727 950
40-2731 ..... 63, 951
40-2754 ..... 882, 1012
40-2755 ..... 883, 1013
40-2756 ..... 883, 1013
40-2757 ..... 882, 1012
40-2758 ..... 883, 1013
40-2759 ..... 883, 1013
40-2760 868
40-2765 868
40-2797 ..... 828, 830
40-2822 921
40-2823 921
40-2824 921

Index

40-2825 921
40-2826 921
40-2827 921
40-2832 840
40-2833 840
40-2836 840
40-2839 840
40-2840 840
40-2842 840
40-2845 929
40-2846 929
40-2849 928
40-2880 858
40-2881 858
40-2884 859
40-2885 859
40-2886 859
40-2887 859
40-2892 1013
40-2929 1012
40-3100 738
40-3102 738
40-3116 ..... 721, 747
40-3120 ..... 721, 747
40-3126 ..... 721, 747
40-3134 ..... 721, 747
40-3189 740
40-3202 ..... 720, 747
40-3203 ..... 720, 747
40-3267 918
40-3273 938
40-3274 938
40-3278 747
40-3282 ..... 724, 747
40-3283 ..... 724, 747
40-3286 747
40-3290 ..... 721, 747
40-3310 ..... 725, 747
40-3311 ..... 725, 747
40-3346 928
40-3348 928
40-3354 737
40-3361 737
40-3362 737
40-3368 804
40-3370 736
40-3389 740
40-3500 ..... 818, 823
40-3628 998
40-3679 739
40-3680 739
40-3767 918
40-3891 739
40-3897 737
40-3913 ..... 728, 746
40-3914 ..... 728, 746
40-3915 ..... 728, 746
40-4001 ..... 95, 670
40-4002 ..... 95, 671
40-4003 ..... 95, 672
40-4004 ..... 95, 673
40-4012 ..... 100, 687
40-4020 ..... 94, 679
40-4030-Lite 96, 674
40-4040 ..... 94, 669
40-4040-Lite 94, 668
40-4040-UL 58, 93
40-4045-Lite 96, 678
40-4080 ..... 98, 682
40-4080-Lite 98, 681
40-4080-UL 59, 93
40-4082-Lite 99, 683
40-4083-Lite 99, 684
40-4084-Lite 99, 685
40-4085-Lite 99, 686
40-4093 ..... 97, 675
40-4094 ..... 97, 676
40-4096 ..... 97, 677
40-4280 767
40-4285 772
40-4290 772
40-4295 759
40-4301 768
40-4302 758
40-4303 768
40-4304 775
40-4305 784
40-4306 782
40-4307 781
40-4308 774
40-4309 774
40-4311 773
40-4312 792
40-4316 795
40-4317 828
40-4318 828
40-4320 788
40-4321 818
40-4322 818
40-4323 818
40-4325 793
40-4328 789
40-4329 789
40-4330 796
40-4331 796
40-4332 779
40-4333 827
40-4334 780
40-4335 794
40-4336 779
40-4337 827
40-4338 780
40-4339 828
40-4340 791
40-4341 790
40-4343 ..... 821, 826
40-4345 797
40-4346 797
40-4348 828
40-4349 808
40-4350 786
40-4351 787
40-4352 788
40-4353 811
40-4354 811
40-4355 793
40-4356 811
40-4361 798
40-4362 798
40-4365 785
40-4366 785
40-4367 784
40-4370 795
40-4372 805
40-4375 773
40-4376 767
40-4377 820
40-4379 818
40-4380 818
40-4381 819
40-4383 818
40-4384 819
40-4385 ..... 820, 825
40-4386 808
40-4387 807
40-4388 807
40-4390 806
40-4394 806
40-4395 811
40-4396 809
40-4397 811
40-4398 811
40-4399 809
40-4424 829
40-4425 824
40-4426 824
40-4427 825
40-4428 823
40-4429 823
40-4430 823
40-4431 823
40-4432 823
40-4433 823
40-4441 800
40-4443 800
40-4451 830
40-4453 830
40-4455 830
40-4488 853
40-4489 853
40-6060 1024
40-6070 1023
40-6075 1023
40-6076 1023
40-6130 1023
40-6135 1023
40-6515 ..... 982, 1009
40-6516 ..... 982, 1009
40-6523 ..... 984, 1009
40-6524 ..... 984, 1009
40-6525 ..... 983, 1009
40-6526 ..... 983, 1009
40-6530 ..... 986, 1009
40-6531 ..... 986, 1009
40-6533 ..... 988, 1009
40-6534 ..... 988, 1009
40-6535 ..... 987, 1009
40-6536 ..... 987, 1009
40-6590 998
40-6591 998
40-6595 1000
40-6596 1000
40-6800 1008
40-6801 1008
40-6802 1008
40-6803 1008
40-6804 1008
40-6805 1008
40-6806 1008
40-6807 1008
40-6808 879
40-6810 1004
40-6811 1004
40-6812 1004
40-6813 1004
40-6814 1002
40-6815 ..... 982, 1009, 1046
40-6816 ..... 982, 1009, 1046
40-6817 1002
40-6823 ..... 984, 1046
40-6824 ..... 984, 1009, 1046
40-6825 ..... 983, 1009, 1046
40-6826 ..... 983, 1009, 1046
40-6830 ..... 986, 1009, 1046
40-6831 ..... 986, 1009, 1046
40-6833 ..... 988, 1046
40-6834 ..... 988, 1009, 1046
40-6835 ..... 987, 1009, 1046
40-6836 ..... 987, 1009, 1046
40-6860 992
40-6862 992
40-6864 993
40-6866 993
40-6870 994
40-6871 994
40-6873 994
40-6874 994
40-6876 994
40-6877 994
40-6879 994
40-6881 1001
40-6883 994
40-6890 998
40-6891 998
40-6892 1003
40-6893 1003
40-6895 1000
40-6896 1000
40-6897 999
40-6898 999
40-7010 1029
40-7014 1030
40-7015 1030
40-7016 1030
40-7017 1030
40-7020 1029
40-7021 1029
40-7023 1029
40-7024 1030
40-7025 1030
40-7026 1030
40-7028 1030
40-7029 1030
40-7030 1029
40-7031 1030
40-7032 1030
40-7033 1030
40-7040 1033
40-7041 1033
40-7044 1033

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THE STANDARD

40-7045 1030
40-7048 1030
40-7049 1033
40-7050 1031
40-7053 1030
40-7054 1030
40-7055 1030
40-7056 1030
40-7058 1049
40-7059 1030
40-7060 1030
40-7065 1035
40-7068 1042
40-7075 1035
40-7076 1035
40-7080 1037
40-7082 1038
40-7085 1035
40-7087 1035
40-7090 1037
40-7092 1038
40-7093 1037
40-7094 1038
40-7099 1045
40-7102 1045
40-7110 1047
40-7203 ..... 1053, 1076
40-7204 ..... 1058, 1076
40-7214 ..... 1054, 1076
40-7216 ..... 1055, 1076
40-7218 ..... 1056, 1076
40-7234 ..... 1061, 1076
40-7235 ..... 1061, 1076
40-7236 ..... 1061, 1076
40-7257 1041
40-7306 1050
40-7312 1055
40-7320 1058
40-7400 1046
40-7503 1054
40-7505 ..... 1053, 1076
40-7508 1073
40-7511 1073
40-7512 1073
40-7516 1056
40-7522 1075
40-7523 1075
40-7532 1052
40-7533 1052
40-7580 1067
40-7583 1067
40-7584 1068
40-7585 1068
40-7588 1070
40-7595 1071
40-7596 1072
40-7600 1060
40-7601 1060
40-7602 1060
40-8016 ..... 100, 689
40-8020 ..... 98, 680
40-8080 ..... 100, 688
40-8220 700
40-8221 700
40-8230 700
40-8231 700
40-8235 700
40-8236 700
40-8320 698
40-8321 698
40-8322 698
40-8323 698
40-8325 698
40-8326 698
40-8340 698
40-8341 698
40-8345 698
40-8346 698
40-8375 698
40-8376 698
40-8385 698
40-8386 698
40-8390 698
40-8391 698
40-8448 702
40-8449 702
40-8510 707
40-8511 707
40-8512 707
40-8513 707
40-8530 ..... 705, 996
40-8531 ..... 705, 996
40-8535 ..... 705, 996
40-8536 ..... 705, 996
40-8540 ..... 705, 996
40-8541 ..... 705, 996
40-8545 702
40-8546 702
40-8555 703
40-8556 703
40-8565 704
40-8566 704
40-8582 ..... 706, 997
40-8583 ..... 706, 997
40-8586 ..... 706, 997
40-8587 ..... 706, 997
40-8630 701
40-8631 701
40-8635 701
40-8636 701
40-8900 720
45-2053 871
45-2107 872
45-2431 ..... 898, 899
45-2432 ..... 898, 899
45-2433 896
45-2434 896
45-2435 899
45-2436 899
45-2437 ..... 898, 899
45-2438 ..... 898, 899
45-2525 814
45-2530 814
45-2535 814
45-2540 814
45-2545 814
45-2550 814
45-2555 814
45-2560 814
45-2561 814
45-2562 814
45-2563 814
45-2564 814
45-4306 782
45-4307 781
45-4335 794
45-4340 791
45-4351 787
45-4355 793
45-4545 ..... 102, 691
45-4545-Lite 102, 690
45-4590 ..... 103, 692
45-7010 1029
45-7020 1029
45-7024 1030
45-7030 1029
45-7032 1030
45-7034 1048
45-7035 1030
45-7036 1030
45-7037 1048
45-7053 1030
45-7054 1030
45-7058 1049
45-7065 1035
45-7075 1035
45-7080 1037
45-7082 1038
45-7090 1037
45-7092 1038
45-7110 1047
45-7204 ..... 1058, 1076
45-7233 ..... 1061, 1076
45-7237 ..... 1061, 1076
45-7239 ..... 1061, 1076
45-7248 1031
45-7306 1050
45-7317 1057
45-7320 1058
45-7323 1059
45-7506 1053
45-7522 1075
45-7523 1075
45-7534 1052
45-7535 1052
45-7603 1060
45-7604 1060
45-7605 1060
45-8510 707
45-8511 707
45-9090 ..... 103, 693
65-2053 871
65-2056 861
65-2057 878
65-2058 861
65-2069 873
65-2070 862
65-2082 867
65-2083 867
65-2084 846
65-2087 867
65-2088 873
65-2089 867
65-2090 875
65-2101 839
65-2102 839
65-2103 839
65-2107 872
65-2108 927
65-2123 874
65-2125 873
65-2126 870
65-2178 ..... 955, 1149
65-2179 ..... 955, 1149
65-2181 ..... 955, 1149
65-2182 ..... 955, 1149
65-2183 ..... 955, 1149
65-2184 ..... 955, 1149
65-2187 ..... 954, 1148
65-2188 ..... 954, 1148
65-2189 ..... 954, 1148
65-2190 ..... 958, 1151
65-2191 959
65-2195 959
65-2200 ..... 958, 1151
65-2201 959
65-2202 958
65-2207 ..... 957, 1150
65-2208 ..... 957, 1150
65-2209 957
65-2212 ..... 958, 1151
65-2213 958
65-2215 957
65-2230 923
65-2240 923
65-2250 923
65-2264 923
65-2265 923
65-2270 923
65-2271 923
65-2272 923
65-2282 ..... 880, 1010
65-2312 942
65-2314 942
65-2316 942
65-2317 942
65-2318 942
65-2321 942
65-2323 942
65-2333 944
65-2334 944
65-2335 944
65-2336 944
65-2337 943
65-2338 943
65-2340 941
65-2341 941
65-2342 941
65-2343 941
65-2344 941
65-2345 941
65-2346 941
65-2424 885
65-2429 885

Index

65-2452 ..... 699, 910
65-2453 ..... 699, 910
65-2454 ..... 699, 910
65-2455 ..... 699, 910
65-2456 ..... 699, 910
65-2460 912
65-2461 912
65-2462 912
65-2463 912
65-2464 912
65-2465 902
65-2467 912
65-2468 912
65-2470 912
65-2471 912
65-2472 913
65-2473 913
65-2474 913
65-2475 913
65-2476 913
65-2477 913
65-2478 913
65-2479 912
65-2480 911
65-2481 911
65-2482 911
65-2500 932
65-2501 932
65-2502 932
65-2503 932
65-2504 932
65-2505 932
65-2506 932
65-2507 932
65-2508 932
65-2509 932
65-2510 932
65-2511 932
65-2601 903
65-2602 903
65-2603 903
65-2604 903
65-2605 903
65-2606 903
65-2607 903
65-2608 903
65-2609 904
65-2610 904
65-2611 904
65-2612 904
65-2613 905
65-2614 905
65-2615 906
65-2616 906
65-2617 906
65-2618 906
65-2619 906
65-2620 906
65-2621 906
65-2622 906
65-2623 906
65-2624 906
65-2629 904
65-2630 904
65-2631 906
65-2632 906
65-2633 907
65-2634 907
65-2635 907
65-2636 907
65-2637 907
65-2640 908
65-2641 903
65-2642 903
65-2643 904
65-2644 904
65-2645 904
65-2646 904
65-2647 904
65-2648 904
65-2650 907
65-2651 909
65-2652 909
65-2653 909
65-2654 909
65-2655 909
65-2656 909
65-2657 909
65-2658 909
65-2660 905
65-2661 905
65-2662 905
65-2663 905
65-2666 909
65-2667 909
65-2668 909
65-2669 909
65-2714 948
65-2730 865
65-2745 875
65-2763 868
65-2780 864
65-2781 864
65-2782 864
65-2800 ..... 910, 922
65-2802 ..... 910, 922
65-2804 ..... 910, 922
65-2806 ..... 910, 922
65-2810 922
65-2851 929
65-2852 929
65-2854 924
65-2855 924
65-2856 924
65-2857 924
65-2858 924
65-2859 925
65-2860 925
65-2861 925
65-2862 925
65-2863 925
65-2864 925
65-2865 925
65-2866 925
65-2867 925
65-2868 925
65-2869 925
65-2870 925
65-2899 930
65-2901 972
65-2902 972
65-2903 972
65-2904 972
65-2905 972
65-2906 972
65-2907 972
65-2908 972
65-2922 868
65-2923 868
65-2927 868
65-2929 868
65-2932 868
65-2933 868
65-2937 868
65-2939 868
65-2952 867
65-2953 867
65-2957 867
65-2959 867
65-3058 747
65-3059 747
65-3061 747
65-3062 747
65-3063 747
65-3064 747
65-3065 747
65-3067 747
65-3071 747
65-3104 747
65-3106 747
65-3110 747
65-3111 747
65-3112 747
65-3114 747
65-3118 747
65-3122 747
65-3123 747
65-3208 747
65-3214 747
65-3258 747
65-3260 747
65-4486 877
65-4487 877
65-4490 857
65-4491 857
65-4503 766
65-4504 771
65-4505 783
65-4506 783
65-4509 766
65-4510 781
65-4512 771
65-4513 775
65-6000 1021
65-6001 1022
65-6002 1022
65-6003 1022
65-6004 1022
65-6005 1020
65-6010 1019
65-6020 1020
65-6030 1021
65-6040 1019
65-6050 1020
65-6055 1024
65-6065 1021
65-6066 1022
65-6067 1022
65-6068 1022
65-6069 1022
65-6071 1022
65-6073 1022
65-6080 1021
65-6086 1018
65-6087 1018
65-6088 1018
65-6089 1018
65-6090 1019
65-6091 1019
65-6092 1019
65-6095 1019
65-6097 1019
65-6098 1019
65-6099 1019
65-6100 1019
65-6102 1020
65-6103 1020
65-6104 1020
65-6105 1020
65-6106 1018
65-6107 1021
65-6108 1021
65-6109 1021
65-6110 1021
65-6111 1018
65-7095 1051
65-7100 1051
65-7150 1051
65-7151 1051
65-7152 1073
65-7153 1051
65-7155 1051
65-7156 1073
65-7157 1073
65-7158 1073
65-7159 1073
65-7162 1075
65-7163 1075
65-7164 1075
65-7166 1073
65-7167 ..... 1051, 1076
65-7168 ..... 1051, 1076
65-7169 ..... 1051, 1076
65-7170 ..... 1051, 1076
65-7171 ..... 1075, 1076
65-7172 ..... 1075, 1076
65-7173 ..... 1075, 1076
65-7174 ..... 1074, 1076
65-7175 ..... 1074, 1076
65-7176 ..... 1063, 1076
65-7177 ..... 1074, 1076
65-7178 ..... 1074, 1076
65-7179 1063
65-7180 ..... 1074, 1076
65-7181 ..... 1074, 1076
65-7182 1075
65-7183 1075
65-7184 1075
65-7185 1073
65-7186 1073

80/20® Inc.

*The **Industrial** Erector Set®*

THE STANDARD

65-7187 1063
65-7188 1074
65-7189 1073
65-7190 ..... 1075, 1076
65-7191 ..... 1075, 1076
65-7192 ..... 1075, 1076
65-7193 ..... 1074, 1076
65-7194 ..... 1074, 1076
65-7195 ..... 1063, 1076
65-7196 ..... 1074, 1076
65-7197 ..... 1074, 1076
65-7198 ..... 1074, 1076
65-7199 ..... 1074, 1076
65-7200 1073
65-7201 1073
65-7212 1029
65-7221 ..... 1062, 1076
65-7222 ..... 1062, 1076
65-7224 1029
65-7240 1039
65-7241 1040
65-7243 1040
65-7244 1039
65-7245 1040
65-7246 1039
65-7247 1040
65-7248 1039
65-7261 1035
65-7305 1043
65-7313 1064
65-7315 1044
65-7500 1062
65-7501 1062
65-7510 1065
65-7513 1076
65-7514 1076
65-7520 1066
65-7521 1066
65-7540 1062
65-7541 1062
65-7542 ..... 1062, 1076
65-7543 ..... 1062, 1076
65-7587 1069
65-8020 1024
65-8030 1024
65-8415 700
65-8416 700
65-8570 708
65-8575 708
75-3400 748
75-3401 ..... 748, 750
75-3402 748
75-3403 748
75-3404 748
75-3405 748
75-3406 748
75-3407 748
75-3408 748
75-3409 748
75-3410 748
75-3411 748
75-3412 748
75-3413 748
75-3414 748
75-3415 748
75-3416 748
75-3417 748
75-3418 748
75-3419 748
75-3420 748
75-3421 748
75-3422 748
75-3423 748
75-3424 748
75-3425 748
75-3426 748
75-3427 748
75-3428 748
75-3429 748
75-3430 748
75-3431 748
75-3432 748
75-3433 748
75-3434 748
75-3435 748
75-3436 748
75-3437 748
75-3438 748
75-3439 748
75-3440 748
75-3441 748
75-3442 748
75-3443 748
75-3444 748
75-3445 748
75-3446 748
75-3447 748
75-3448 748
75-3449 748
75-3450 748
75-3451 748
75-3452 748
75-3453 748
75-3454 748
75-3455 748
75-3456 748
75-3457 748
75-3458 748
75-3459 748
75-3460 748
75-3461 748
75-3462 748
75-3463 748
75-3464 748
75-3465 748
75-3466 748
75-3467 748
75-3468 748
75-3469 748
75-3470 748
75-3471 748
75-3472 748
75-3473 748
75-3474 748
75-3475 748
75-3476 748
75-3477 748
75-3478 748
75-3481 750
75-3482 750
75-3483 750
75-3500 749
75-3501 749
75-3502 749
75-3503 749
75-3504 749
75-3505 749
75-3506 749
75-3507 749
75-3508 749
75-3509 749
75-3510 749
75-3511 749
75-3512 749
75-3513 749
75-3514 749
75-3515 749
75-3516 749
75-3517 749
75-3518 749
75-3519 749
75-3520 ..... 749, 750
75-3521 749
75-3522 749
75-3523 ..... 749, 750
75-3524 749
75-3525 749
75-3526 749
75-3527 749
75-3528 749
75-3529 749
75-3530 749
75-3531 749
75-3532 749
75-3533 749
75-3534 749
75-3535 749
75-3536 749
75-3552 (20) 750
75-3553 750
75-3556 750
75-3558 750
75-3560 750
75-3562 750
75-3563 (45) 750
75-3571 (20) 751
75-3572 (20) 751
75-3573 751
75-3574 (30) 751
75-3575 (30) 751
75-3576 751
75-3578 (20) 751
75-3581 (20) 751
75-3583 (30) 751
75-3584 751
75-3585 (30) 751
75-3586 751
75-3587 (45) 751
75-3588 (45) 751
75-3589 751
75-3590 (30) 751
75-3591 751
75-3592 751
75-3593 (30) 751
75-3594 (45) 751
75-3595 (30) 751
75-3596 (30) 751
75-3597 (45) 751
75-3599 (30) 751
75-3600 (30) 751
75-3601 751
75-3602 (45) 751
75-3603 751
75-3605 751
75-3616 751
75-3617 751
75-3618 (40) 751
75-3619 (45) 751
75-3621 751
75-3622 751
75-3623 (45) 751
75-3624 751
75-3625 751
75-3626 (45) 751
75-3627 751
75-3628 751
75-3629 751
75-3630 (45) 751
75-3632 ..... 733, 751
75-3633 ..... 733, 751
75-3634 749
75-3635 ..... 733, 751
75-3636 ..... 733, 751
75-3637 733
75-3638 ..... 733, 751
75-3639 751
75-3800 750
75-3801 750
75-3802 750
75-3803 750
75-3804 750
75-3805 750
75-3806 750
75-3807 750
75-3808 750
75-3809 750
75-3810 750
75-3811 750
75-3812 750
75-3813 750
75-3814 750
75-3815 750
75-3816 750
75-3817 750
75-3818 750
75-3819 750
75-3820 750
75-3821 750
75-3822 750
75-3823 750
75-3824 750
75-3825 750
75-3826 750
75-3827 750

Index

75-3828 750
75-3829 750
75-3830 750
75-3831 750
75-3832 750
75-3833 750
75-3834 750
75-3835 750
75-3836 750
75-3837 750
75-3838 750
75-3839 750
75-3840 750
75-3841 750
75-3842 750
75-3843 750
75-3844 750
75-3845 750
75-3846 750
75-3847 750
75-3848 750
75-3849 750
75-3850 750
75-3851 750

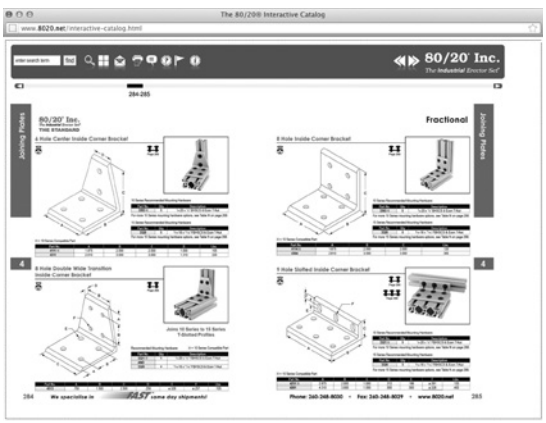
12000 ..... 378, 863
12004 920
12006 438
12013 920
12015 926
12016 926
12017 ..... 397, 528, 881, 1011
12018 ..... 397, 528, 881, 1011
12019 ..... 393, 876
12020 ..... 397, 528, 881, 1011
12021 ..... 397, 528, 881, 1011
12022 ..... 881, 1011
12024 ..... 397, 528, 881, 1011
12025 ..... 440, 931
12026 ..... 440, 931
12027 931
12028 973
12029 973
12030 ..... 272, 761
12031 ..... 271, 760
12032 763
12033 762
12034 764
12035 765
12036 776
12037 777
12038 ..... 278, 770
12039 778
12040 778
12041 801
12043 309
12044 309
12045 803
12047 802
12050 ..... 409, 891
12051 ..... 411, 893
12053 ..... 411, 893
12055 ..... 411, 893
12062 851
12064 856
12065 856
12067 848
12068 ..... 361, 842
12069 ..... 361, 842
12070 ..... 361, 842
12071 360
12072 360
12073 360
12074 847
12075 847
12084 ..... 370, 854
12085 ..... 370, 854
12086 ..... 370, 854
12087 854
12088 ..... 370, 854
12089 854
12090 ..... 384, 869
12091 ..... 384, 869
12092 ..... 384, 869
12093 852
12094 ..... 368, 852
12095 ..... 361, 842
12096 852
12097 ..... 371, 855
12098 ..... 366, 848
12099 ..... 366, 848
12101 ..... 359, 841
12102 ..... 359, 841
12104 ..... 359, 841
12105 ..... 359, 841
12107 848
12108 848
12110 841
12111 841
12113 841
12114 841
12116 366
12117 366
12119 359
12120 359
12122 359
12123 359
12125 ..... 366, 848
12126 ..... 366, 848
12128 ..... 359, 841
12129 ..... 359, 841
12131 ..... 359, 841
12132 ..... 359, 841
12134 848
12136 848
12137 841
12139 841
12140 841
12142 841
12162 850
12164 850
12165 ..... 367, 850
12166 ..... 367, 850
12167 ..... 438, 927
12168 ..... 491, 971
12170 ..... 488, 968
12172 ..... 488, 968
12174 ..... 488, 968
12176 ..... 488, 968
12178 ..... 488, 968
12181 ..... 488, 968
12182 ..... 488, 968
12185 ..... 488, 968
12186 ..... 488, 968
12192 ..... 490, 970
12194 ..... 490, 970
12195 ..... 489, 969
12196 ..... 489, 969
12197 ..... 489, 969
12198 ..... 489, 969
12200 ..... 489, 969
12201 ..... 489, 969
12203 ..... 489, 969
12204 ..... 489, 969
12213 ..... 489, 969
12215 ..... 489, 969
12216 ..... 489, 969
12217 ..... 489, 969
12218 ..... 489, 969
12221 ..... 489, 969
12222 ..... 489, 969
12223 ..... 489, 969
12224 ..... 489, 969
12227 ..... 489, 969
12228 ..... 489, 969
12229 ..... 489, 969
12230 ..... 489, 969
12231 ..... 489, 969
12232 ..... 489, 969
12233 ..... 489, 969
12234 ..... 489, 969
12237 ..... 489, 969
12238 ..... 489, 969
12239 ..... 489, 969
12240 ..... 489, 969
12241 ..... 489, 969
12242 ..... 489, 969
12243 ..... 489, 969
12245 ..... 489, 969
12246 ..... 489, 969
12247 ..... 489, 969
12248 ..... 489, 969
12249 ..... 489, 969
12250 ..... 489, 969
12252 849
12254 ..... 367, 849
12255 851
12256 ..... 368, 851
12258 919
12259 919
12260 919
12261 919
12262 919
12269 919
12271 919
12279 919
12283 919
12286 919
12287 919
12290 919
12298 919
12300 ..... 442, 936
12302 919
12303 919
12305 919
12306 919
12307 919
12314 ..... 441, 933
12315 933
12316 ..... 441, 933
12317 933
12319 ..... 440, 931
12320 931
12321 931
12322 845
12326 ..... 364, 845
12327 ..... 364, 845
12328 ..... 442, 936
12390 ..... 489, 969
12392 ..... 489, 969
12394 ..... 489, 969
12396 ..... 489, 969
12400 ..... 489, 969
12402 ..... 489, 969
12406 ..... 489, 969
12408 ..... 489, 969
13001 734
13003 741
13004 741
13006 741
13018 ..... 235, 728
13021 ..... 235, 728
13022 ..... 232, 723
13023 ..... 232, 723
13024 ..... 232, 723
13025 ..... 232, 723
13027 ..... 236, 727
13028 ..... 236, 727
13029 ..... 236, 727
13030 ..... 237, 729
13031 ..... 236, 727
13032 ..... 236, 727
13033 ..... 237, 729
13034 ..... 236, 727
13035 ..... 236, 727
13036 ..... 237, 729
13037 ..... 236, 727
13038 ..... 237, 729
13039 ..... 236, 727
13040 ..... 236, 727
13041 ..... 237, 729
13047 723
13048 723
13049 723
13050 ..... 231, 722
13051 ..... 231, 722
13052 ..... 231, 722
13053 ..... 231, 722
13054 ..... 231, 722
13055 ..... 231, 722
13058 726
13059 730
13060 726
13061 730
13062 726
13063 730
13064 ..... 231, 722
13065 ..... 231, 722
13066 ..... 231, 722
13082 727

80/20® Inc.

*The **Industrial** Erector Set®*

THE STANDARD

13083....727
13084....727
13088....237, 726
13089....238, 729
13090....237, 726
13091....238, 729
13092....237, 726
13093....238, 729
13094....237, 726
13095....238, 729
13096....237, 726
13098....237, 726
13106....721
13107....721
13108....721
13109....721
13110....731
13111....731
13112....731
13113....731
13114....239, 731
13115....731
13116....239, 731
13117....731
13118....731
13119....239, 731
13120....731
13121....731
13122....731
13123....731
13124....731
13125....731
13127....731
13129....731
13130....731
13132....731
13133....731
13134....732
13135....732
13136....732
13137....732
13138....732
13139....732
13140....732
13141....732
13142....732
13143....732
13144....240, 732
13145....240, 732
13146....240, 732
13147....240, 732
13148....240, 732
13169....732
13170....732
13171....732
13172....732
13173....732
13174....732
13175....732
13176....732
13177....732
13178....732
13179....238, 730
13180....238, 730
13181....238, 730
13182....238, 730
13183....737
13184....737
13185....737
13186....737
13187....244, 734
13188....244, 734
13189....736
13190....736
13192....736
13193....61, 247, 741
14000....493, 974
14001....494, 975
14002....493, 974
14003....494, 975
14004....974
14005....975
14006....493, 974
14007....494, 975
14008....974
14009....975
14010....973
14011....318, 812
14012....734
14013....734
14014....812
14016....812
14017....318
14018....812
14019....812
14020....966
14021....966
14022....966
14023....966
14024....966
14025....966
14027....966
14028....966
14029....966
14030....966
14031....966
14032....966
14035....967
14037....967
14039....967
14041....967
14043....967
14045....967
14047....967
14051....761
14052....761
14053....761
14054....272, 761
14056....761
14057....769
14058....277, 769
14059....271, 760
14060....271
14061....271, 760
14062....763
14065....763
14066....763
14067....763
14068....769
14070....769
14071....762
14073....762
14074....764
14075....764
14076....764
14077....764
14078....764
14079....764
14080....277, 769
14081....277, 769
14083....765
14085....765
14086....769
14088....769
14089....776
14092....765
14095....777
14098....278, 770
14099....278, 770
14100....278, 770
14101....770
14102....770
14103....278, 770
14104....778
14105....778
14107....921
14108....921
14110....921
14111....778
14112....801
14113....309
14114....802
14117....803
14118....805
14120....270, 759
14121....921
14122....719
14123....921
14124....232, 719
14126....232, 719
14127....232, 719
14128....719
14129....719
14130....232, 719
14131....232, 719
14136....742
14137....742
14138....892
14139....410, 892
14140....892
14142....410, 892
14143....410, 892
14148....892
14157....887
14159....719
14160....887
14161....238, 730
14162....239, 731
14164....239, 731
14165....239, 731
14166....239, 731
14167....410, 892
14170....799
14171....799
14172....799
14173....799
14174....799
14175....799
14185....892
14186....410, 892
14188....892
14189....892
14190....892
14191....410, 892
14192....409, 891
14193....920
14196....733
33450....241, 735
33470....241, 735
33490....735
33530....735



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Index

Alphabetical Index

A

Abrasive Resistance - Sand Slurry Test 523, 1005
ABS Haircell 1215
ABS Haircell Panels 423, 905, 1119, 1194
Access Hole....1215
Access Hole Drilling Service....565, 1031, 1157
Access Hole Drilling Styles, 10 Series....566
Access Hole Drilling Styles, 15 Series....566
Access Hole Drilling Styles, 25 Series....1032
Access Hole Drilling Styles, 40 Series....1032
Access Hole Drill Jigs....557, 1023
Access Hole Drills....557, 1023
Access Hole Ordering....566, 1032
Accessories 433, 915, 1129
Acrylic Panels.... 421, 903, 1117, 1192
Adjustable/Detent Hinge Drill Thru Service 598, 1067
Adjustable Floor Brackets....494, 975
Adjustable Hinges....362, 843, 1215
Adjustable Hinge Strength Guidelines....362, 843
Adjustable Position Floor Locks 469-471, 950-952, 1218
Aesthetic....1215
AkroBins 446, 923, 1133
Align-a-Grooves....151, 1215
Alucobest....1215
Alucobest Panels.... 425, 907, 1121, 1196
Alumalite....1215
Alumalite Panels.... 425, 907, 1121, 1196
Aluminum Alloy, 6105-T5....153, 643
Aluminum Cabinet Handles....374, 859
Aluminum Extrusion....1215
Aluminum Hinges 365, 846
Aluminum Panel Handles 379, 864
Aluminum Plate 63, 112, 207, 428, 699, 910, 1124, 1198
Aluminum Plate Machining Services 608, 1076
Aluminum Profiles....56-59, 147, 637, 1081, 1167
Aluminum Tube....113, 210, 548
Aluminum vs. Steel, Fractional 2, 146
Aluminum vs. Steel, Holey Tube....1080
Aluminum vs. Steel, Metric....636
Anchor Fastener Assembly Steps 242, 737
Anchor Fastener Counterbore Cutters 558, 1024
Anchor Fastener Counterbore Service....567, 1033
Anchor Fasteners 223, 242, 713, 737, 1215
Angle Profiles 113, 211, 700
Anodize....1215
Anodize Breaker....442, 936
Anodizing....215, 704
Anti-Rotation Plate....1131
Anti-Vibration Mounts, Economy 477, 957, 1150
AR Polycarbonate Panels.... 421, 903, 1117, 1192
Assembly Tips & Tricks....20
ASTM....1215
Attitude, 80/20 ....3, 1215
ATTITUDE Lapel Pins 558, 1024
Automation 32
AutoQuoterX 609, 1215
AutoQuoterX Design Software 12
AutoQuoterX Tutorial....612

B

Ball Catch, Double....393, 876
Ball Catch, Nylon....392, 877
Ball Driver and L Wrench Set 552, 1018
Ball End Fold Out Combo Tool 552, 1018
Ball End Hex Drivers 554, 1020
Ball End Hex Wrenches, T Handle 555, 1021
Ball End L Hex Wrenches....553, 1019
Ball End Power Bits....553, 1019
Ball End Sockets 61, 556, 1022
Ball Latch, Tension 394
Base Anchor, Trapezoid....491, 971
Base Connector, Corner 90° 1175
Base Connector, Straight 90° 1174
Base for Swivel Feet....488, 968
Base for Swivel Feet, Extended 490, 970
Base for Swivel Feet, Trapezoid....490, 970
Base Plates, 10 Series 480
Base Plates, 10 Series Leveling/Anchoring....484
Base Plates, 15 Series 482
Base Plates, 15 Series Leveling/Anchoring....486
Base Plates, 25 Series 960
Base Plates, 30 Series 966, 967
Base Plates, 40 Series 962, 963
Base Plates, 40 Series Leveling/Anchoring....964, 965
Base Plates, 45 Series 966, 967
Base Plates, Economy Floor Mount 496, 977, 1154
Base Plates, Flange Mount Caster....464, 945
Base Plates, Floor Mount 495, 976
Base Plates, Heavy-Duty Flange Mount Caster....466, 947
Base Plates, Leveling Caster 468, 949
Base Plates, Position Floor Lock....471, 953
Basic Assembly 16-19
Bearing & Guiderail System Concept....499, 981
Bearing Pad Profiles, Custom 522, 1004
Bearing Pads, Double-Keyed UniBearing 521, 1003
Bearing Pads, High-Cycle 518, 1000
Bearing Pads, Standard 516, 998
Bearing Pads, Top-Mount....517, 999
Bearing Pads, UniBearing....520, 1002
Bearing Profiles, Single & Double Flange 514, 705
BHSCS 745, 1215
Bi-Fold Door Application....607, 1078
Bi-Fold Door Configuration....606, 1077
Bi-Fold Door Hanger Assembly, Top Mount....396, 879
Bi-Fold Door Hanger Profile, Top Mount....396, 879
Bill of Materials 629
Black Chromate....1215
Black Zinc....1216
Block Profiles....207
Bolt Assemblies 253-259, 748-750
Bolt Assembly....1216
Bolt Connector Machining Service 1048
Bolt Connectors....736
Bolt Kit Table A - To Mount 1/8" Plates 265
Bolt Kit Table B - To Mount 3/16" Plates....265
Bolt Kit Table C - To Mount 1/4" Plates....265
Bolt Kit Table D - To Mount 1/2" Base Plates....266

80/20® Inc.

*The **Industrial** Erector Set®*

THE STANDARD

Bolt Kit Table E - To Mount 3/4" Base Plates....266
Bolt Kit Table F - To Mount 1/8" Plates....266
Bolt Kit Table G - To Mount 3/16" Plates....266
Bolt Kit Table H - To Mount 1/4" Plates....267
Bolt Kit Table J - To Mount 1/2" Plates....267
Bolt Kit Table K - To Mount 1/2" Base Plates....267
Bolt Kit Table L - To Mount 1/8" Inside Corner Brackets....267
Bolt Kit Table M - To Mount 3/16" Inside Corner Brackets....268
Bolt Kit Table P....268
Bolt Kit Table Q....268
Bolt Pattern Dimensions, 10 Series....264
Bolt Pattern Dimensions, 15 Series....264
Bolt Pattern Dimensions, 25 Series....756
Bolt Pattern Dimensions, 40 Series....756
Bracket Assemblies, Roller Wheel....400, 883
Bracket, Magnetic Door Catch....390, 875
Brackets, Panel Mount....408, 890
Brackets, Roller Wheel....399, 882
Brake Holes for Linear Bearings....527, 578, 1009, 1046
Brake Kits, Linear Bearing....526, 1008
Building with Holey Tube....1138
Bushing....1216
Butt Fasteners....223, 244, 713, 736, 1216
Button Head Socket Cap Screws....249, 251-252, 743-747

C

Cabinet Handles, Aluminum....374, 859
Cable Mount Block, 1/4 Turn....441, 933
Cable Ties & Mounting....439, 930
Cable & Tube Clip....440, 931
Cable & Tube Clip, 1/4 Turn....440, 931
CAD....1216
Calculate Panel Area....355, 837
Cap Screws (Black Screw & Bright Zinc T-Nut)....749
Cap Screws (Bright Zinc)....254
Cap Screws (Stainless Steel)....255
Carbon Steel Tube....113, 210, 548
Cart Guard....444, 924
Cart Guard Corners....445, 925
Caster Base Plates, Flange Mount....464, 945
Caster Base Plates, Heavy-Duty Flange Mount....466, 947
Caster Base Plates, Leveling....468, 949
Caster or Spacer Corner, 3 Way....1179, 1204
Caster or Spacer Receptacle....1178, 1204
Casters, Deluxe Flange Mount....463, 944, 1147
Casters, Dual Wheel....1206
Casters, Flange Mount....461, 942, 1146
Casters, Furniture Style....460, 1206
Casters, Heavy-Duty Flange Mount....465, 946
Casters, Leveling....467, 948
Casters, Threaded Stem Swivel....459, 941, 1145, 1205
Casters, Triangular Top Plate....462, 943
Catch, Nylon Magnetic....391, 877
Central Connector Machining Service....581, 1049
Central Connectors....244, 734
Chamfer....1216
Cheater Pipe....554, 1020
Chemical Resistance of UHMW-PE....525, 1007
Clamp Block....297
Clamp Block, Adjustable Angle....803
Clamp Block Profiles....215
Clearance Drill Thru for T-Slotted Profiles - Between Slots....573, 1040
Clearance Drill Thru for T-Slotted Profiles - In Slot....572, 1039
Clearance Hole....1216
Clear Chromate....1216
Coefficient of Friction....523, 1005, 1216
Color Stuff....42, 433, 915, 1216
Combination Hinges....369, 853
Combination Wrenches....555, 1021
Combo Tool, Ball End Fold Out....552, 1018
Compatibility Code....152, 351, 642, 833, 1216
Connecting Screws....741
Connector, 2 Way....1173
Connector, 4 Way....1177
Connector, 45° Support....805
Connector, Cross....1176
Connector Rods, Holey Tube....1135
Connector, Straight 90° Base....1174
Conveyor Tube Insert....1137
Corner, 2 Way....1174
Corner, 3 Way....1176
Corner Bracket, 3-Way....309, 801, 802
Corner Connector, 2-Way....799
Corner Connector, 3-Way....799
Corner Connectors, Hidden....241, 735
Corner Notch/Anchor Fastener Clearance....587, 1055
Corner Notch/Bolt Connector Clearance....1057
Corner Notch/Central Connector Clearance....588, 1058
Corner Notch/End Fastener Clearance....586, 1054
Corner Notch/Inside Corner Connector....590
Corner Notch/Hidden Corner Connectors....591
Corner Notch/Plate Connector Clearance....1059
Corner Notch/Profile Clearance....585, 1053
Corner Notch/Tri-Corner Clearance....589, 1056
Corner Radius for Panels....594, 1063
Counterbore....1216
Counterbore Cutters, Anchor Fastener....558, 1024
Countersink....1216
Cover Cap for 3-Way Corner Bracket, Angle....802
Cover Cap for 3-Way Corner Bracket, Square....801, 803
Cover Cap for Central Connector....734
Cover Cap/Inside Corner Bracket..271-272, 278, 760-765, 770, 776-778
Cover Caps for 3-Way Corner Bracket....309
Cross Clamp....1216
Cross Clamp, Quick....547
Cross Clamp, Stanchion....541
Cross Joining Plate....1216
Cross Joining Plate, 7 Hole....302, 794, 1108
Cross Joining Plate, 12 Hole....302
Cross Joining Plate, 16 Hole....303, 795
Cross Joining Plate, 20 Hole....303
Custom 45º Supports....570, 1037
Custom Bearing Pad Profiles....522, 1004
Custom Linear Bearings....513, 995
Custom Machining....8, 559, 1025, 1155, 1209
Custom Miter Cut Service....568, 1035

Index

Cut-to-Length Service 563, 1029, 1156, 1211
Cut You Not Wire Edge 420, 902

D

Deadbolt Latch 386, 871
Deadbolt Latch, 90º 387, 872
Deadbolt Latch Profiles 212
Deburr 1216
Deflection CalculatorX 13, 153
Deluxe Door Handle Milling Service 576, 1043
Deluxe Door Handles 381, 866
Deluxe Flange Mount Casters 463, 944
Deluxe Leveling Feet 478, 958
Design Assistance 8
Design Tip: Sizing Panels 1028
Detent Hinges 363, 844
Detent Positioning Hinges 364, 845
Displays 44
Document Holder, Plastic 449, 929
Do It Yourself Counterbore 568, 1034
Do It Yourself Details, Holey Tube 1158
Door Catch Bracket, Magnetic 390, 875
Door Catch, Grabber 388, 873
Door Catch, Magnetic 390, 875, 1191
Door Catch Mounting Plates, Grabber 389, 874
Door Glide, Sliding 395, 878
Door Handles, Deluxe 381, 866
Door Handles, Plastic 373, 858
Door Handles, Steel 377, 862
Door Lock, Sliding 395, 878
Door Seal, Rubber 406
Door Slide Track 401, 884
Door Slide Track Profiles 115, 220, 709
Double Anchor Fasteners 243, 738
Double Ball Catch 393, 876
Double Economy T-Nut Assemblies (Blue Screws, Bright T-Nut) 757
Double End Fasteners 246
Double Flange 1216
Double Flange Linear Bearings 501, 502
Double Flange Linear Bearings, High-Cycle 505, 506
Double Horizontal Base 545
Double-Keyed UniBearing Bearing Pads 521, 1003
Double Lift Off-Hinges 360
Double Mesh Panel Retainers 418, 900
Double Panel Retainer Drill Thru Service 601, 1072, 1161
Double Panel Retainers 415, 897
Double Shaft Bases 536
Double Shaft Blank Mounting Plate 539
Double Shaft Mounting Block 543
Double Shaft Pre-Drilled Mounting Plate 540
Double Slide-In Economy T-Nuts 227, 718, 746
Double Slide-In T-Nut Assemblies (Black Zinc) 255
Double Slide-In T-Nut Assemblies (Blue Screw & Bright Zinc T-Nut) 749
Double Slide-In T-Nuts 249, 250
Double T-Nut 1216
Double UniBearing Bearings 511, 993
Double Wide Transition Inside Corner Bracket, 4 Hole Lite 771
Double Wide Transition Inside Corner Bracket, 8 Hole 775
Drawing File Library 13
Drawing Submission Requirements 205, 697
Drill for Slam Latch Service 582, 1050
Drill Jig 1216
Drill Thru & Counterbore for T-Slotted Profiles 574, 1041
Drill Thru for Bolt Connector 1048
Drill Thru Profile Wall for Manifold Plates 575, 1042
Drop-In Panel Bracket 413, 895
Drop-In Panel Bracket Profiles 214
Drop In T-Nut Machining 63
Drop-In T-Nuts 222, 238-239, 712, 730-731
Drop-In T-Slot Studs 223, 240, 249, 713, 732
Drop-In T-Studs with Flanged Hex Nut 733
Drop Lock 1216
Drop-Lock Feature 150, 640
Dry Erase Board 1216
Dynamic Pivots 333, 815

E

Economy Anti-Vibration Mounts 477, 957, 1150
Economy Floor Mount Base Plate 496, 1216
Economy Furniture Glides 474, 954, 1148, 1207
Economy Leveling Feet 479, 959, 1152, 1207
Economy Lift-Off Hinges 358, 840
Economy Position Floor Locks 469, 950
Economy T-Nut Clearance 580, 1045
Economy T-Nut Holding Springs 229, 719
Edge Radius for Panels 593, 1062
End Bracket, Threaded 1205
End Cap 1216
End Caps 436, 918, 919
End Caps, Holey Tube 1130
End Caps, Quick Frame 1173
End Caps, Screw-On 919
End Fastener 1216
End Fastener Assembly Steps 245, 739
End Fasteners 222, 712
End Fasteners, Single Tab 246, 740
End Fasteners, Standard 245, 739
End Tap Service 1029, 1030
Engineering Specifications on UHMW-PE Bearing Pads 523, 1005
Ergonomic Handle 378, 863
Ergonomics 1216
Expanded Metal Panels 429, 911, 1199
Expanded PVC Panels 424, 906, 1120, 1195
Extended Base for Swivel Feet 490, 970
Extended Holey Tube Inserts 1098, 1144
Extended Panel Notch Machining Service 592, 1060-1061, 1160

F

Fastener Application Tests 155
Fastener/Hex Tool Size Reference 225, 550, 715, 1016
Fastener, Push-In 454, 938
Fastening Options 221, 711
Fastener Standards 225, 715
FBHSCS 249, 745, 1216
FDA 1216
FHSCS 745, 1216
Flange 1216
Flange Bearing Profiles, Single & Double 114, 216, 705, 996

Flanged Button Head Socket Cap Screws 249, 745
Flanged Hex Nuts 5/16-18 (Bright Zinc) 1101
Flanged Hex Nuts M8 x 1.25" (Blue Tint Bright Zinc) 1101
Flange Milling Service, 45° 1211
Flange Mount Caster 1216
Flange Mount Caster Base Plates 464, 945
Flange Mount Casters 461, 942
Flat Head Socket Cap Screws 249, 251, 743, 745
Flat Joining Plate 1216
Flat Stock 112, 206, 698
Flat Washers 743, 744, 745, 746, 747
Flat Washers 5/16 (Bright Zinc) 1101
Flat Washers M8 (Blue Tint Bright Zinc) 1101
Floor Anchor, Wedge 492, 972
Floor Brackets 493, 974
Floor Brackets, Adjustable 494, 975
Floor Brackets, Aluminum 973
Floor Brackets, Steel 973
Floor Mount Base Plates 495, 976, 1216
Floor Mount Base Plates, Economy 496, 977, 1154
Floor to Frame 457, 939, 1143, 1203
Flush Handle Drill Thru Service 597, 1066
Flush Handles 376, 861
Flush Mount Panel Service 603, 1073
Fractional 10 Series 70
Fractional 15 Series 74
Fractional 15 Series, Smooth 80
Fractional Bolt Assemblies (Black Zinc) 253
Fractional Bolt Kits 1102
Fractional Part Number Identification 151
Fractional Profile Standards 154
Fractional Reference Guide 145
Fractional Screws, Washers, & Nuts (Black Zinc) 249-250, 747
Fractional Screws, Washers, & Nuts (Bright Zinc) 250
Furniture 30
Furniture Glides, Economy 474, 954, 1148, 1207
Furniture Handle Pawl Kits 383, 868
Furniture Handles 382, 867
Furniture Style Casters 460, 1206
Furniture Style Glides 473
Furniture Style Handle Milling Service 577, 1044

G

Glass Panel Holders 372, 857
Glides, Economy Furniture 474, 954, 1148, 1207
Glides, Furniture Style 473
Glides, Large Base 475, 955, 1149
Glossary 1215
Grabber Door Catch 388, 873
Grabber Door Catch Mounting Plates 389, 874
Grabber Handle Drill Thru Service 596, 1065
Grabber Handle, Locking 380, 865
Gravity Flow Rack 1142
Gravity Roller Assembly 1140
Gravity Roller Mounting Block 438, 927
Gravity Rollers 1134
Grounding Terminal 442, 936
Ground & Polished Steel Tube 210, 548
Guarding & Enclosures 36, 64
Gusset 1217
Gusset Profiles, 45° 113, 212, 701

H

Haircell Panels 423, 905, 1119, 1194
Handles, 1/2" Round Aluminum 1111
Handles, Deluxe Door 381, 866
Handles, Ergonomic 378, 863
Handles, Flush 376, 861
Handles, Furniture 382, 867
Handles, Locking Grabber 380, 865
Handles, Mating for Deluxe Door Handles 381, 866
Handles, Offset 375, 860
Handles, Steel 377, 862
HDPE 1217
HDPE Panels 427
Heavy-Duty Flange Mount Caster 465, 946
Heavy-Duty Flange Mount Caster Base Plates 466, 947
Hexagon Side Bottom 1180
Hexagon Side Top 1182
Hexagon T-Cross 1181
Hexagon Top 1183
Hex Drivers, Ball End 554, 1020
Hex Nuts 250-252, 743-747
Hex Wrenches, T Handle Ball End 555, 1021
Hidden Inside Corner Connectors 241, 735
High-Cycle Bearing Pads 518, 1000
High-Cycle Double Flange Linear Bearings 505-506, 987-988
High-Cycle Linear Bearings 503, 985
High-Cycle Single Flange Linear Bearings 504, 986
High Pressure Laminate 1217
Hinge Profiles 114, 214, 703
Hinges, 2-D 361, 842
Hinges, Adjustable 843, 1189
Hinges, Aluminum 365, 846, 1110, 1190
Hinges, Combination 369, 853
Hinges, Detent 363, 844
Hinges, Detent Positioning 364, 845
Hinges, Lift-Off 356-361, 838-842
Hinges, Locking Lever 370, 854
Hinges, Plastic Standard 366-367, 847-850
Hinges, Standard 368, 851-852, 854
Hinges, Standard Panel 371, 855
Hinges, Transition 856
Hinge Tips & Tricks 352, 834
Hole Between T-Slots Designation Chart 573, 1040
Hole in T-Slot Designation Chart 572, 1039
Holey Tube 104, 1217
Holey Tube 1.5" A-Tube Profile 1095
Holey Tube 1.5" P-Tube Profile 1094
Holey Tube 1.5" Square Profile 1093
Holey Tube Accessories 1129
Holey Tube Applications 34
Holey Tube Bolt Pattern Dimensions 1103
Holey Tube Bolts, Screws, Washers and Nuts 1101
Holey Tube Dimensional Detail 1083
Holey Tube Extended Tube Insert Connection 1088-1089

Index

Holey Tube Fasteners 1097
Holey Tube Floor to Frame....1143
Holey Tube Machining Services 1155
Holey Tube Panels & Doors 1109
Holey Tube Profiles 1081
Holey Tube Reference Guide 1079
Holey Tube Specifications 1092
Holey Tube Standard Tube Insert Connection.... 1086-1087
Holey Tube Standard Tube Insert with Roll Pin Connection.... 1090-1091
Holey Tube vs. Steel....1080
Hook, Spring Snap 447, 927
Horizontal Base, Double....545
Horizontal Base, Single 544
Horizontal Quick Clamp....546
How to Order 80/20 Products....5
How to Order Accessories....435, 917
How to Order Dynamic Pivots 334, 816
How to Order Fasteners 224, 714
How to Order Floor to Frame....458, 940
How to Order Holey Tube....1084
How to Order Joining Plates....263, 755
How to Order Linear Bearings....498, 980
How to Order Machining Services....561, 1027
How to Order Panels & Doors 354, 836
How to Order Quick Frame....1168
How to Order Stanchions 534
How to Order Structural Shapes....204, 696
How to Order Tools....551, 1017
How to Order T-Slotted Profiles....149, 639
How to Use This Catalog....4
Hydraulics & Pneumatics....50

I

Impact Resistant Panels.... 423, 905, 1119, 1194
Inside Corner Bracket....1217
Inside Corner Bracket, 2 Hole 269-272, 758-765
Inside Corner Bracket, 2 Hole, 1/8" 269
Inside Corner Bracket, 2 Hole 3mm 758
Inside Corner Bracket, 2 Hole Gusset....288, 779, 1104
Inside Corner Bracket, 2 Hole Lite Transition....273, 766
Inside Corner Bracket, 2 Hole Slotted 270, 759, 1105
Inside Corner Bracket, 2 Hole Standard....1104
Inside Corner Bracket, 2 Hole Standard Transition 273, 766
Inside Corner Bracket, 3 Hole 274, 767, 1105
Inside Corner Bracket, 3 Hole Slotted 274, 767, 1105
Inside Corner Bracket, 4 Hole 275, 277-278, 768-770, 1104
Inside Corner Bracket, 4 Hole, 2.5" 276
Inside Corner Bracket, 4 Hole Gusset....288-289, 779-780, 1104
Inside Corner Bracket, 4 Hole Lite Double Wide Transition 279, 771
Inside Corner Bracket, 4 Hole Slotted 276, 772
Inside Corner Bracket, 4 Hole Standard Double Wide Transition....279
Inside Corner Bracket, 4 Hole Transition....280, 771
Inside Corner Bracket, 6 Hole 280, 281, 773
Inside Corner Bracket, 6 Hole Center....284, 773
Inside Corner Bracket, 6 Hole Left 283, 774
Inside Corner Bracket, 6 Hole Right....283, 774
Inside Corner Bracket, 6 Hole Slotted 282, 772
Inside Corner Bracket, 8 Hole 285, 775, 776, 777, 778
Inside Corner Bracket, 8 Hole Double Wide Transition....284, 775
Inside Corner Bracket, 8 Hole Gusset....289, 780
Inside Corner Bracket, 9 Hole Slotted 285
Inside Corner Bracket, 10 Hole Center....286
Inside Corner Bracket, 12 Hole 286, 287
Inside Corner Bracket, 18 Hole 287
Inside Corner Connector, 90° 248, 311, 804
Inside Corner Connector Profiles 208
Inside Handle for Deluxe Door Handle....381, 866
Introduction to Fasteners....222, 712

J

Jam Nut....1217
Joining Plate....1217
Joining Plate, 90° 1215
Joining Plate, 4 Hole....291, 784, 1106
Joining Plate, 4 Hole 15° Angle....304, 795
Joining Plate, 4 Hole 30° Angle....305, 796
Joining Plate, 4 Hole 45° Angle....306, 797
Joining Plate, 4 Hole 60° Angle....307, 798
Joining Plate, 4 Hole 90° 293, 786, 1106
Joining Plate, 5 Hole 90° 293, 787, 1107
Joining Plate, 5 Hole L....310
Joining Plate, 6 Hole....292, 785
Joining Plate, 6 Hole 15° Angle....304
Joining Plate, 6 Hole 30° Angle....305, 796
Joining Plate, 6 Hole 45° Angle....306, 797
Joining Plate, 6 Hole 60° Angle....307, 798
Joining Plate, 6 Hole 90° 294, 788
Joining Plate, 7 Hole 90° 295, 788, 789, 1107
Joining Plate, 8 Hole....292, 785
Joining Plate, 9 Hole 90° 296
Joining Plate, 10 Hole 90° 296
Joining Plate, 12 Hole 90° 297
Joining Plate Bolt Kits....1108
Joining Plates 261, 753, 1103
Joining Strip....1217
Joining Strip, 2 Hole 290, 781, 1105
Joining Strip, 3 Hole 290, 782, 1106
Joining Strip, 4 Hole 291, 784, 1106
Junction, 5 Way 1177
Junction, 6 Way 1178

K

Kit Packaging....9
Kydex Panels.... 423, 905,1119, 1194

L

Label Holders 449, 929
Laminated Table Tops....428, 443, 910, 922, 1132
Lapel Pins, ATTITUDE....558, 1024
Large Base Glides....475, 955, 1149
L Arm 1217
Latch, Deadbolt 386, 871
Latch, Deadbolt 90º....387, 872
Latch, Slam....384, 869
Latch, Velcro....385, 870
Leveling/Anchoring Base Plates.... 484, 486, 964-965, 1217
Leveling Caster Base Plates 468, 949
Leveling Casters....467, 948

Leveling Feet, Deluxe....478, 958, 1151, 1208
Leveling Feet, Economy....479, 959, 1152, 1207
L Hex Wrenches, Ball End....553, 1019
LHSCS....1217
Lift-Off Hinge....1217
Lift-Off Hinge Assemblies....357, 839
Lift-Off Hinges....356, 358-361, 842
Lift-Off Hinges, Economy....358, 840
Lift-Off Hinges, Plastic....359-360, 841
Lift-Off Hinges, Standard....368, 838
Linear Bearing....1217
Linear Bearing Brake Holes....527, 1009, 1217
Linear Bearing Brake Kits....526, 1008, 1217
Linear Bearings, Custom....513, 995
Linear Bearings, Double Flange....501, 502, 983, 984
Linear Bearings, High-Cycle Double Flange....505-506 , 987-988
Linear Bearings, High-Cycle Single Flange....504, 986
Linear Bearing Shim Stock....519, 1001
Linear Bearings, Single Flange....500, 982
Linear Motion....40, 497, 979
Living Hinge....1217
Living Hinge Assemblies-10 Series....335
Living Hinge Assemblies-15 Series....336
Living Hinge Assemblies-25 Series....817
Living Hinge Assemblies-40 Series....818
Living Hinge, Right Angle-10 Series....340
Living Hinge, Right Angle-15 Series....341
Living Hinge, Right Angle-25 Series....822
Living Hinge, Right Angle-40 Series....823
Living Nub, 0º....337, 819
Living Nub, 0º Right Angle....342, 824
Living Nub, 90º....337, 819
Living Nub, 90º Right Angle....342, 824
Living Nub, Universal....338, 820
Living Nub, Universal Right Angle....343, 825
Load Bearing Properties of UHMW-PE....524, 1006
Locking Grabber Handle....380, 1217
Low Head Socket Cap Screws....249

M

Machine Frames....24
Machining Services....8, 559, 1025, 1155, 1209
Access Hole Drilling Service....565, 1031, 1157
Anchor Fastener Counterbore Service....567, 1033
Brake Holes For Linear Bearings....578, 1046
Clearance Drill Thru for T-Slotted Profiles-Between Slots....573, 1040
Clearance Drill Thru for T-Slotted Profiles-In Slot....572, 1039
Custom 45º Supports....570, 1037
Custom Miter Cut Service....568-569, 1035-1036
Cut-To-Length Service....563, 1029, 1156, 1211
Deluxe Door Handle Milling Service....576, 1043
Drill for Slam Latch....582, 1050
Drill Thru & Counterbore for T-Slotted Profiles....574, 1041
Drill Thru Profile Wall For Manifold Plates....575, 1042
Economy T-Nut Clearance....580, 1045
Furniture Style Handle Milling Service....576, 1043
Machine for Central Connector....581, 1049
Machine for Miter Connector....579, 1047
Miter Cut Counterbores....571, 1038
Profile End Tap Service....564, 1029, 1030
Magnetic Catch, Nylon....391, 877
Magnetic Door Catch....390, 875
Magnetic Door Catch Bracket....390, 875
Mallet, Soft Face....558, 1024
Manifold Plate Drill Thru Designations....575, 1042
Manifold Plates....451-453, 934-935
Material Handling....48
Material Strength Specifications....153, 643
Mating Handles for Deluxe Door Handles....381, 866
Mesh Panel Retainers....1188
Mesh Panel Retainers, Double....418, 900, 1116
Mesh Panel Retainers, Single....416, 898, 1115
Mesh Retainer....1217
Metric 20 Series....85
Metric 25 Series....87
Metric 30 Series....92
Metric 40 Series....94
Metric 45 Series....101
Metric Bolt Assemblies (Blue Screws, Bright T-Nut)....757
Metric Bolt Kits....1102
Metric Double Anchor Fasteners....58, 738
Metric Fastener Part Number Definition....716
Metric Fasteners....711, 1217
Metric Part Naming Concept & Identification....641
Metric Profile Standards....644
Metric Reference Guide....635
Metric Screws, Washers, & Nuts (Black-Coated)....744
Metric Screws, Washers, & Nuts (Blue-Coated)....743
Metric Screws, Washers, & Nuts (Bright Zinc)....252, 746
Metric Screws, Washers, & Nuts (Stainless Steel)....745
Metric/U.S. Customary Unit Equivalents....645, 1220
Mighty Mount....476, 956
Milling Service, Deluxe Door Handle....576, 1043
Milling Service, Furniture Style Handle....576, 1043
Miscellaneous Panel Machining Services....604, 1073, 1163
Miter Connector....247, 741
Miter Cut....1217
Miter Cut Counterbores....571, 1038
Modular Anything....52
Mounting Block....1217
Mounting Block, Double Shaft....543
Mounting Block, Gravity Roller....438, 927
Mounting Block, Single Shaft....542
Mounting Plate, Double Shaft Blank....539
Mounting Plate, Double Shaft Pre-Drilled....540
Mounting Plates, Grabber Door Catch....389, 874
Mounting Plate, Single Shaft Blank....537
Mounting Plate, Single Shaft Pre-Drilled....538
MW....1217

N

Neoprene....1217
New Products....55
Notch/Grabber Door Catch Clearance....595, 1064
Nylatron....1217
Nylon....1217

Index

Nylon Ball Catch 392, 877
Nylon Magnetic Catch 391, 877
Nylon T-Slot Nut 441, 918

O

Octagon Side Bottom 1180
Octagon T-Cross 1181
Offset Handle 375, 860
Offset Tap Hole Location 225, 715
Online Training Center 10
Open Style Access Hole 1217
OSHA 1217

P

Panel Area Calculation Chart 432, 914, 1128, 1202
Panel Bracket, Drop-In 413, 895
Panel Clamp, Quick Change 412, 894
Panel Cut-Outs, 2, 3, & 4 Side 602, 1075, 1162, 1213
Panel Cutting Service 583, 1051
Panel Gasket - 40 Series 886
Panel Gasket, Rubber 404, 887
Panel Gaskets 403, 1187
Panel Gasket, Silicone Rubber 405, 888
Panel Handles, Aluminum 379, 864
Panel Hinges, Standard 371, 855
Panel Machining Services 1073, 1074
- Adjustable/Detent Hinge Drill Thru 597, 1067
- Aluminum Plate Machining 608, 1076
- Corner Notch/Anchor Fastener Clearance 587, 1055
- Corner Notch/Bolt Connector Clearance 1057
- Corner Notch/Central Connector Clearance 588, 1058
- Corner Notch/End Fastener Clearance 586, 1054
- Corner Notch/Hidden Corner Connectors 591
- Corner Notch/Inside Corner Connector 590
- Corner Notch/Plate Connector Clearance 1059
- Corner Notch/Profile Clearance 585, 1053
- Corner Notch/Tri-Corner Clearance 589, 1056
- Corner Radius for Panels 593, 1063
- Double Panel Retainer Drill Thru 601-602, 1071-1072
- Edge Radius for Panels 592, 1062
- Extended Panel Notch 591, 1060-1061, 1160
- Flush Handle Drill Thru 596, 1066
- Grabber Handle Drill Thru 595, 1065
- Miscellaneous Panel Machining 604, 1073, 1163
- Notch/Grabber Door Catch Clearance 594, 1064
- Panel Cutting 583, 1051
- Panel Mount Block Drill Thru 600, 1070
- Plastic Handle Drill Thru 598, 1068
- Single Panel Retainer Drill Thru 601, 1071
- Steel Door Handle Drill Thru 599, 1069
- Thick Panel Routing 584, 1052
- Top Edge Radius for Plastic Panels 592, 1062
- Wire Mesh Shearing 583, 1051

Panel Machining Services, Miscellaneous 604, 1164, 1214
Panel Mount Block 889, 1217
Panel Mount Block, 1/4 Turn with Square Nut 410, 892
Panel Mount Block Drill Thru Service 600, 1070
Panel Mount Block Profiles 114, 215, 704
Panel Mount Blocks 407
Panel Mount Block Spacer 411, 893
Panel Mount Block with Square Nut, Plastic 409, 891
Panel Mount Brackets 408, 890, 1112
Panel Retainer 1217
Panel Retainers, Quick Frame 1186
Panel Retainers, Double 415, 897, 1114
Panel Retainers, Double Mesh 418, 900, 1116
Panel Retainers, Single 414, 896, 1113
Panel Retainers, Single Mesh 416, 898, 1115
Panel Shop 9
Panel Sizing Tip 355, 837, 1028
Panel Stiffener Profiles 115
Panel Stiffener Profiles with Handle 219, 708
Panel Stiffener Profiles without Handle 219, 708
Panel Stiffeners 402, 885
Panels, ABS Haircell 423, 905, 1119, 1194
Panels, Acrylic 421, 903, 1117, 1192
Panels, Alucobest 425, 907, 1121, 1196
Panels, Alumalite 425, 907, 1121, 1196
Panels, AR Polycarbonate 421, 903, 1117, 1192
Panels & Doors 349, 831, 1109, 1185
Panels, Expanded Metal 429, 911, 1125, 1199
Panels, Expanded PVC 424, 906, 1120, 1195
Panels, HDPE 427, 909, 1123, 1198
Panels, Impact Resistant 423, 905, 1119, 1194
Panels, Polycarbonate 422, 904, 1118, 1193
Panels, PVC Coated Wire Mesh 431, 913
Panels, Recycled Polycarbonate 422, 904, 1118, 1193
Panels, Twin Wall Polycarbonate 426, 908, 1122, 1197
Panels, Wire Mesh 430, 912, 1126, 1200
Pawl 1218
Pawl Kits, Furniture Handle 383, 868
Peace of Mind 3
Pig's Nose 1218
Pivot 1218
Pivot Arm, 3" 325
Pivot Arm, 4" 325
Pivot Arm, 4.5" 325
Pivot Arm, 6" 325
Pivot Arm, 75mm/120mm 809
Pivot Arm, 100mm/160mm 809
Pivot Arm, L 324, 339, 344, 808, 821, 826
Pivot Arm, Straight 338, 343, 820, 825
Pivot Bracket 1218
Pivot Bracket, 90° 345, 827
Pivot Bracket, 180° 347, 829
Pivot Bracket Assemblies, 90° 346, 828
Pivot Bracket Assemblies, 180° 348, 830
Pivot Joint 318, 812
Pivot Nub, 0° 321, 807, 1215
Pivot Nub, 0° Right Angle 323
Pivot Nub, 90° 322, 807, 1215
Pivot Nub, 90° Right Angle 323
Pivot Nub Assemblies-25 Series 810
Pivot Nub Assemblies-40 Series 811
Pivot Nub Assemblies, Right Angle 328, 329
Pivot Nub Assemblies, Standard 326, 327
Pivot Nub Profiles, Standard & Right Angle 114, 213, 702
Pivot Nub, Universal 322, 808

Pivot Nub, Universal Right Angle....324
Pivot Plate, 3 Hole....319, 320, 805, 806
Pivot Plate, 5 Hole....320, 321, 806
Plastic Document Holder....449, 929
Plastic Door Handles....373, 858
Plastic Double Lift-Off Hinge....360
Plastic Handle Drill Thru Service....599, 1068
Plastic Lift-Off Hinges....359, 360
Plastic Panel Cutting Service....1159, 1212
Plastic Panel Mount Block with Square Nut....409
Plastic Standard Hinge....366, 367, 847, 848, 849, 850
Plate Connectors....742
Polycarbonate....1218
Polycarbonate Panels....422, 904, 1118, 1193
Polycarbonate Panels, Recycled....422, 904, 1118, 1193
Polyurethane....1218
Position Floor Lock Base Plates....472, 953
Position Floor Locks, Adjustable....469-471, 950-952, 1218
Powder Coat....1218
Power Bits, Ball End....553, 1019
Power Strips....455, 937
Pre-assemble....1218
Pre-load....1218
Pressure Manifold Plates....451, 452, 453, 934, 935, 1218
Profile End Tap Service....564, 1029, 1030
Profile Material Specifications, 10 Series....156
Profile Material Specifications, 15 Series....157-158
Profile Material Specifications, 20 Series....649
Profile Material Specifications, 25 Series....646
Profile Material Specifications, 30 Series....649
Profile Material Specifications, 40 Series....647
Profile Material Specifications, 45 Series....649
Profile Miter Cut Worksheet....569, 1036
Profiles....56-59, 147, 637, 1081, 1167
Profile Standards, 10 Series....151
Profile Standards, 15 Series....151
Profile Standards, 25 Series....641
Profile Standards, 40 Series....641
P-Tube Stopper....1136
Push-In Fastener....454, 938
PVC....1218
PVC Coated Wire Mesh Panels....See Thermoplastic
PVC Panels....424, 906, 1120, 1195

Q

Quick Change Panel Clamp....412, 894
Quick Clamp, Horizontal....546
Quick Cross Clamp....547
Quick Frame....108, 1218
Quick Frame Connectors....1171
Quick Frame Floor to Frame....1203
Quick Frame Machining....1209
Quick Frame Panels & Doors....1185
Quick Frame Profiles....1167
Quick Frame Reference Guide....1165

R

Registered Trademarks....1220
Requesting a Quote....205, 697
Retainer Angle Profiles, Single & Double....115, 218, 707
RGA....1218
Right Angle Nub....1218
Rigid Caster....1218
Roller Wheel....1218
Roller Wheel Bracket Assemblies....400, 531, 883, 1013
Roller Wheel Brackets....399, 530, 882, 1012
Roller Wheels....398, 529, 880, 881, 1010, 1011
Roller Wheels with Ball Bearing Hub....397, 528, 881, 1011
Roller Wheels with Steel Hub....397, 528, 881, 1011
Roll-In T-Nut Assemblies (Black Zinc)....255
Roll-In T-Nut Assemblies (Blue Screw & Bright Zinc T-Nut)....749
Roll-In T-Nuts....237, 726
Roll-In T-Nuts with Ball Spring....223, 235-236, 250, 713, 727-728, 746
Roll-In T-Nuts with Flex Handle....223, 233, 250-252, 713, 724, 746-747
Roll-In T-Nuts with Set Screw....223, 234, 250-251, 713, 725, 746-747
Roll-In T-Nuts with Spring Leaf....223, 237-238, 713, 729-730
Roll-In T-Slot Stud (Black Zinc)....255
Roll Pin Punch....1100
Roll Pins-Holey Tube....1100
Routing Service, Thick Panels....584, 1052
Rubber Bumper....448, 928
Rubber Door Seal....406
Rubber Panel Gasket....404-405, 887-888
Rust....1218

S

Self-Aligning T-Nuts....222, 712
Self-Tapping Screws for End Caps....436, 918
Services, 80/20....8
Shaft Bases, Double....536
Shaft Bases, Single....535
SHCS....745, 1218
Shim Stock, Linear Bearing....519, 1001
Shipping Information....14, 15
Silicone Rubber Panel Gasket....405, 888
Simple Beam Deflection Calculations....154, 644
Single & Double Flange Bearing Profiles....514, 705
Single & Double UniBearing Bearing Profiles....217, 515, 706, 997
Single Flange....1218
Single Flange Linear Bearings....500, 982
Single Flange Linear Bearings, High-Cycle....504, 986
Single Horizontal Base....544
Single Mesh Panel Retainers....416, 898
Single Panel Retainer Drill Thru Service....600, 1071, 1161
Single Panel Retainers....414, 896
Single Shaft Bases....535
Single Shaft Blank Mounting Plate....537
Single Shaft Mounting Block....542
Single Shaft Pre-Drilled Mounting Plate....538
Single Tab End Fasteners....246, 740
Single UniBearing Bearing....510, 992
Six Lobe Tools....556, 1022
Slam Latch....384, 869
Slam Latch, Drill for....582, 1050
Slide-In Economy T-Nut Assemblies (Black Zinc)....254
Slide-In Economy T-Nut Assemblies (Blue Screw & Brt. Zinc T-Nut)....749

Index

Slide-In Economy T-Nuts 222, 226, 232, 249-252, 712, 717, 719, 746-747
Slide-In Economy T-Nuts, Double 227, 718
Slide-In Economy T-Slot Studs 223, 229, 249-252, 713, 721, 746-747
Slide-In Economy T-Slot Studs (Black Zinc) 254
Slide-In Economy T-Slot Studs (Bright Zinc) 254-255, 749
Slide-In Economy T-Slot Studs (Stainless Steel) 254
Slide-In T-Nuts 222, 230, 232, 712, 720, 723, 746-747
Slide-In T-Nuts with Ball Spring 231, 722
Sliding Door Glide 395, 878
Sliding Door Lock 395, 878
Slotted Corner Bracket 1218
Slotted Inside Corner Bracket, 2 Hole 270, 759, 1105
Slotted Inside Corner Bracket, 3 Hole 274, 767, 1105
Slotted Inside Corner Bracket, 4 Hole 276, 772
Slotted Inside Corner Bracket, 6 Hole 282, 772
Socket Head Cap Screws 249, 251-252, 743-747
Sockets, Ball End 556, 1022
Soft Face Mallet 558, 1024
Solid Aluminum Blocks 207
Solid Aluminum Plate 207, 428, 699, 1124
SOT (Special Order Team) 8
Spacer 1179
Spacer for Panel Mount Block 411, 893
Specify Machining On a Drawing 355, 837
Spring Snap Hook 447, 927
Spring T-Nuts 721
Square Double Flanged Tube, 1" 1169
Square Double Twin Flanged Tube, 1" 1170
Square & Rectangular Tubes 112, 208
Square Right Angle Double Flanged Tube, 1" 1169
Square Right Angle Double Twin Flanged Tube, 1" 1170
Square Single Flanged Tube, 1" 1169
Square Single Twin Flanged Tube, 1" 1170
Square Tube, 1" 1169
SS 1218
Stainless Steel Screws, Washers, & Nuts 251, 745
Stanchion 1218
Stanchion Cross Clamp 541
Stanchion Profiles 112, 209
Stanchions 533
Standard 2-D Hinges 361, 842
Standard Bearing Pads 516, 998
Standard End Fasteners 245, 739
Standard Hinges 368, 370, 851, 852
Standard Hinges with Locking Lever 370, 854
Standard Holey Tube Inserts 1098
Standard Panel Hinges 371, 855
Steel Door Handle 377, 1191
Steel Door Handle Drill Thru Service 598, 1069
Steel Tube, Ground & Polished 113, 210, 548
Straight Pivot Arm 338, 343, 820, 825
Structural Shapes 111, 203, 695
Styrene 1218
Supports, 45°, 10 & 15 Series 330-332
Supports, 45°, 20, 25 & 30 Series 813
Supports, 45°, 40 & 45 Series 814
Swivel Caster 1218
Swivel Casters, Threaded Stem 459, 941, 1145, 1205

T

Table of Contents, Pictorial 117
Table Top Fastening Kit 443, 922
Table Top Fastening Kit, Holey Tube 1132
Table Tops, Laminated 428, 910, 922, 1132
Tap 1218
Tap Connector Rod Ends 1156
Tee, 3 Way 1175
Tee Joining Plate 1218
Tee Joining Plate, 4 Hole 298, 790, 1107
Tee Joining Plate, 5 Hole 298, 310, 791, 1107
Tee Joining Plate, 6 Hole 299, 1108
Tee Joining Plate, 7 Hole 299, 792, 1108
Tee Joining Plate, 8 Hole 300, 793
Tee Joining Plate, 11 Hole 300
Tee Joining Plate, 12 Hole 301, 793
Tee Joining Plate, 16 Hole 301
Tension Ball Latch 394
Terms and Conditions of Sale 22
TFE 1219
T Handle Ball End Hex Wrenches 555, 1021
Thermoplastic Coated Wire Mesh Panels 431, 913
Thick Panel Routing Service 584, 1052
Threaded Bolts, 5/16-18 (Bright Zinc) 1101
Threaded Bolts M8 x 1.25" (Blue Tint Bright Zinc) 1101
Threaded Insert 733
Threaded Pilot Projection 225, 715
Threaded Stems for Swivel Feet 489, 969
Threaded Stem Swivel Casters 459, 941, 1145, 1219
T-Nut 1219
T-Nut Holding Springs 719
T-Nuts, 30 Series 59
Tool Hangers 447, 926
Tooling Specialties 28
Tools 549, 1015
Top Edge Radius for Panels 593, 1062
Top-Mount Bearing Pads 517, 999
Top Mount Bi-Fold Door Hanger Assembly 396, 879
Top Mount Bi-Fold Door Hanger Profile 396, 879
Torque Specifications 155, 645
Track, Door Slide 401, 884
Training & Demonstrations 21
Transition Bracket 1219
Transition Hinges 856
Transition Inside Corner Bracket, 2 Hole Lite 273, 766
Transition Inside Corner Bracket, 2 Hole Standard 273, 766
Transition Inside Corner Bracket, 4 Hole 280, 771
Transition Inside Corner Bracket, 8 Hole Double Wide 284, 775
Transition Plate, 4 Hole 315
Transition Plate, 4 Hole Double 315
Transition Plate, 4 Hole Double Slotted 316
Transition Plate, 6 Hole 316, 317
Transition Strip 1219
Transition Strip, 2 Hole 312, 781
Transition Strip, 2 Hole Center 312
Transition Strip, 2 Hole Slotted Center 313
Transition Strip, 3 Hole 313, 314, 783
Transition Strip, 4 Hole 314

Transition Strip, 8 Hole 317
Transition Tee 1184
Trapezoid Base Anchor 491, 971
Trapezoid Base for Swivel Feet 490, 970
Tread Strip 438, 921
Triangular Top Plate Casters 462, 943
Tri-Corner Connector, Rounded 308, 800
Tri-Corner Connector, Squared 308
Tri-Corner Connector, Triangular 800
Triple Slide-In Economy T-Nuts 228
Triple Slide-In T-Nut Assemblies (Black Zinc) 255
Triple T-Nut 1219
T-Slot Cover 920, 1219
T-Slot Cover, Economy 437, 921
T-Slot Cover, Standard 437, 920
T-Slot Designation Chart 1219
T-Slot Nut, Nylon 441, 918
T-Slot Stud 1219
T-Slotted 1219
T-Slotted Aluminum Profile Concept 150, 640
T-Slotted Aluminum Profiles 147, 637
T-Slotted Profile 2º Drop-Lock Feature 150, 640
T-Slot Tread Strip 438, 921
T-Slot Velcro Fastener 454, 938
Tube, Aluminum 113, 210, 548
Tube and Wire Clamps 450, 932
Tube Insert Assemblies with Hex Bolt 1099
Tube Insert Assemblies with Roll Pin 1099
Tube Insert Connection, Holey Tube 1087
Tube Insert Connection, Holey Tube Extended 1089
Tube Insert with Roll Pin Connection, Holey Tube 1088
Turned, Ground & Polished Solid Carbon Steel Tube 113, 210, 548
Twin Wall Polycarbonate Panels 426, 908, 1122, 1197
Typ 1219

U

UHMW 1219
UHMW-PE 1219
UHMW-PE Bearing Pads, Engineering Specifications 523, 1005
UHMW-PE Chemical Resistance 525, 1007
UHMW-PE Load Bearing Properties 524, 1006
UniBearing Bearing Assemblies 512, 994
UniBearing Bearing Concept, Double 509.,990
UniBearing Bearing Pads 508, 520
UniBearing Bearings, Double 511, 993
UniBearing Bearings, Single 510, 992
UniBearing Profiles, Single & Double 115, 217, 515, 706, 997
UniBearings 507, 989
UniBearings, About 508- 509, 990-991
Uni Nub 1219
Universal Living Nub 338, 820
Universal Pivot 1219
Universal Pivot Nub 1219
UPS 1219
USDA 1219

V

Value Add 9, 1219
Velcro Fastener 454, 938
Velcro Latch 385, 870

W

Warranty 22
War Room 1219
Washers 250, 251, 252
Wedge Floor Anchors 492, 972, 1153
White Board 1219
Wire Duct 1219
Wire Edge Cut You Not 420, 902
Wire Mesh Panels 430, 912, 1126, 1200
Wire Mesh Panels, PVC Coated 431, 913, 1127, 1201
Wire Mesh Shearing Service 583, 1051, 1159
Wire Ties 439, 930
Wiring Duct 439, 930
Workstations 38, 260
Wrenches, Combination 555, 1021

Z

Zerk Fitting 1219
Zinc Plating 1219

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