

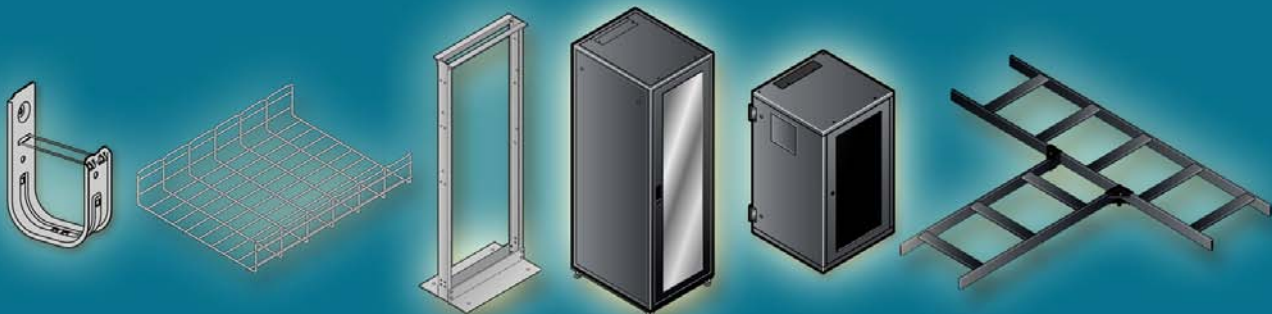


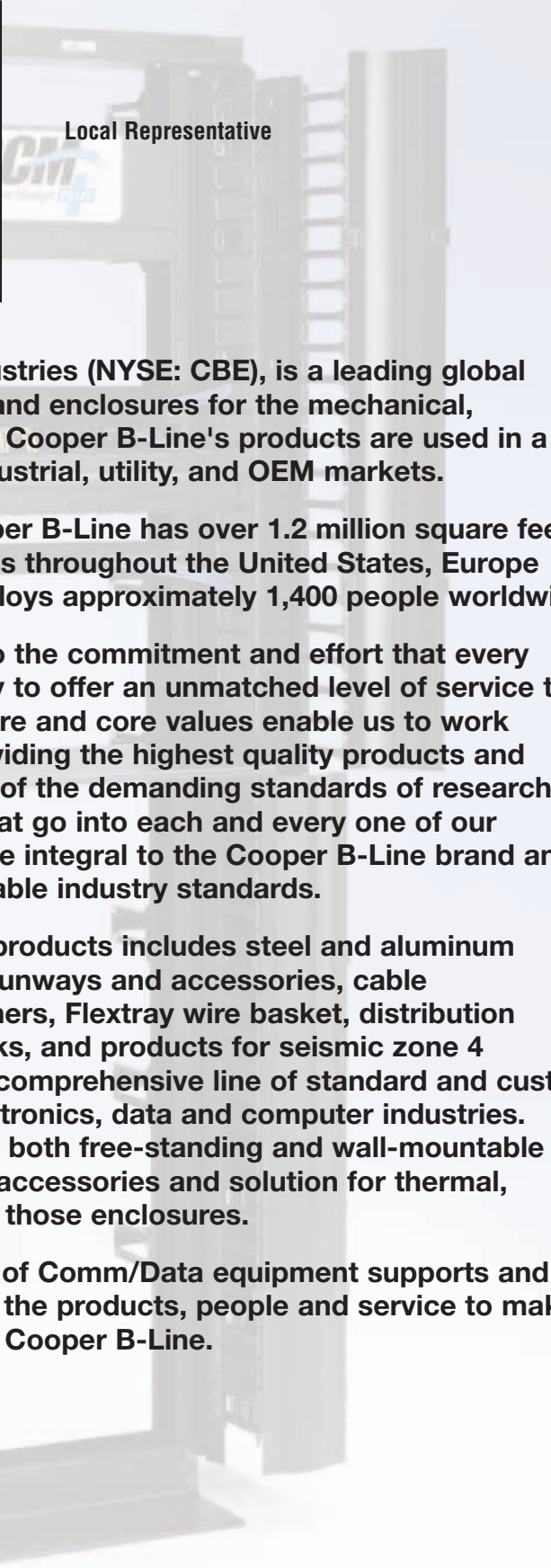
Comm/Data Equipment Supports

BLCOMD-11

- Racks • Runway • Cable Management • Cabinets •
- Flextray • Cable Hooks • FAST Supports •

 **COOPER B-Line**





Local Representative

Cooper B-Line, a division of Cooper Industries (NYSE: CBE), is a leading global manufacturer of quality support systems and enclosures for the mechanical, electrical and communications industries. Cooper B-Line's products are used in a variety of settings for the commercial, industrial, utility, and OEM markets.

Headquartered in Highland, Illinois, Cooper B-Line has over 1.2 million square feet of manufacturing space located in facilities throughout the United States, Europe and Asia. In addition, Cooper B-Line employs approximately 1,400 people worldwide.

We credit the success of our company to the commitment and effort that every Cooper B-Line employee makes every day to offer an unmatched level of service to our customers. Our organizational structure and core values enable us to work closely as a team to meet our goal of providing the highest quality products and service in the industry. We are also proud of the demanding standards of research, design, engineering and manufacturing that go into each and every one of our products. Exceptional quality and value are integral to the Cooper B-Line brand and all of our products meet or exceed applicable industry standards.

Cooper B-Line's full line of Comm/Data products includes steel and aluminum equipment racks and accessories, cable runways and accessories, cable management products, spring steel fasteners, Flextray wire basket, distribution frames, network bays, unequal flange racks, and products for seismic zone 4 applications. Cooper B-Line also offers a comprehensive line of standard and custom cabinets for the telecommunications, electronics, data and computer industries. Our electronic enclosure offering includes both free-standing and wall-mountable styles, as well as a complete selection of accessories and solution for thermal, power, cable and security management in those enclosures.

Our goal is to be your preferred supplier of Comm/Data equipment supports and enclosures. You can be sure that we have the products, people and service to make that goal happen. Thank you for choosing Cooper B-Line.

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Corporate Headquarters

Cooper B-Line
509 West Monroe Street
Highland, IL 62249
United States
Toll Free: (800) 851-7415
Fax: (800) 356-1438
Email: blineus@cooperindustries.com

Comm/Data Customer Service Contacts:

Please call (800) 279-2595 and select the appropriate customer service contact when prompted. This is the main number for all Comm/Data customer service and quotations personnel.

The Comm/Data customer service fax number is (800) 936-7072

Other Locations

Pinckneyville, IL Manufacturing Plant (Flextray Wire Basket)

Cooper B-Line - Pinckneyville, IL
3764 Longspur Road
Pinckneyville, IL 62274
United States

Reno, NV Manufacturing Plant (Rack/Runway/Cable Management Products)

Cooper B-Line - Reno, NV
13755 Stead Blvd.
Reno, NV 89506
United States

Sherman, TX Manufacturing Plant (Electronic Enclosures)

Cooper B-Line - Sherman, TX
4900 Marshall Street
Sherman, TX 75090
United States

Troy, IL Manufacturing Plant (Cable Tray/Runway)

Cooper B-Line - Troy, IL
816 Lyons Dr.
Troy, IL 62294
United States

United Kingdom Operations (Electronic Enclosures)

Cooper B-Line, Ltd. - UK
Walrow, Highbridge
Somerset, TA9 4AQ
United Kingdom

Distribution Centers

Chicago Distribution Center

Cooper Industries - Elk Grove Village Distribution Center
400 Busse Road
Elk Grove, IL 60007

California Distribution Center

Cooper B-Line - Modesto, CA
1706 Lapham Drive
Modesto, CA 95354

Canada Distribution Center

Cooper B-Line - Mississauga, ON
5925 McLaughlin Road
Mississauga, Ontario Canada L5R 1B8

Cooper B-Line products are proudly made in the USA.



Setting up an account with Cooper B-Line –

To set up an account with Cooper B-Line, please download our credit application from our website at <http://www.cooperblines.com/Credit/CustomerCreditApp.pdf> and send the completed form back to us to the attention of our credit department at our Highland, IL office, fax to 618-654-9153 or email the completed form to blines@cooperindustries.com.

Terms and Conditions

Terms and conditions may vary by product line and can be found by going to <http://www.cooperblines.com/Pricing/Terms-US.asp>. These terms and conditions are governed by, and construed according to, the laws of the state of Illinois. No salesperson or other party is authorized to bind Cooper B-Line by any agreement, warranty, statement, promise, or understanding not herein expressed, and no modifications shall be binding on Cooper B-Line unless the same are in writing and signed by an executive officer or Cooper B-Line duly authorized representative.

Prices

All prices and terms are subject to change without notice by Cooper B-Line. Current list price sheets are available for download at <http://www.cooperblines.com/Pricing/>. Pricing is subject to change without notice and the current list price supercedes and cancels all previous prices.

Terms of Payment

Net thirty (30) days from date of invoice. Any amount not timely paid by the purchaser shall bear interest at the maximum rate permitted by law, not to exceed 1.5% per month.

Minimum Order

All orders are subject to a \$100.00 minimum net order and subject to acceptance by Cooper B-Line.

Freight

Minimum order for prepaid freight varies by product line. All prices are F.O.B. Cooper B-Line dock or point of shipment to any domestic free delivery point within the 48 contiguous United States of America via most economical common carrier of Cooper B-Line's choice and discretion unless otherwise specified. For shipments outside the 48 contiguous United States of America, contact Cooper B-Line for additional terms and conditions that may apply. Refer to <http://www.cooperblines.com/Pricing/Terms-US.asp> for product line specific terms and conditions.

Errors

Should an error be made filling an order, Purchaser shall notify Cooper B-Line promptly and Cooper B-Line will attempt to adjust the matter without any expense to the Purchaser. Claims for defective material, shortages, delays, failures in shipment or delivery, or for any other cause shall be deemed waived and released by Purchaser unless made IN WRITING WITHIN 30 DAYS AFTER ARRIVAL OF THE PRODUCTS. Under no circumstances shall Purchaser install damaged or defective material if claims are to be made. In the event of an incorrect shipment or price discrepancy, payment of the invoice must be made in full. A debit or credit memo, as applicable, must accompany the remittance, referencing Cooper B-Line's invoice number, with a full explanation. Clerical errors or valid discrepancies by Cooper B-Line are subject to correction or adjustment.

Cancellation

Orders for non-standard and/or custom products are sold with the understanding that once the order is accepted by Cooper B-Line and production has started, the product is non-cancellable and non-returnable. This condition will be communicated before acceptance of the order by Cooper B-Line. Cancellation of orders for standard items will be accepted only with the understanding that we will be reimbursed for any expenses incurred as a result of the cancellation, if any. A cancellation charge satisfactory to Cooper B-Line, in its sole and absolute discretion, shall take into proper account the work already done, facilities, and materials acquired and/or commitments made by Cooper B-Line.

Returned Product

Permission to return any standard merchandise must be obtained in writing from Cooper B-Line in advance. Unsalable material, specials, or non-catalogued Products will not be considered for credit. RETURN TRANSPORTATION MUST BE PREPAID and freight expenses will be the responsibility of the Purchaser. All material is subject to inspection by Cooper B-Line, and Cooper B-Line will make the sole determination as to the salability of said Product(s). In addition, handling charges will apply. Please refer to <http://www.bline.com/Pricing/Terms-US.asp> for information on product line specific handling charges. Cooper B-Line reserves the right to change any of the above return conditions without notice.

Delivery

The estimated shipping date is based on production time required to process the order commencing with the date the order is received by Cooper B-Line. In the event it is necessary to revise the design, specifications, or conditions of sale, the shipping date shall be adjusted by the period of time required by the revision. Cooper B-Line reserves the right to make delivery in installments which shall be separately invoiced and paid for when due, without regard to subsequent deliveries. Delivery dates indicated on quotations and on acknowledgments of orders are approximate and not guaranteed. Delay in delivery of any installment shall not relieve Purchaser of its obligation to accept remaining deliveries nor shall it bind Cooper B-Line in any way for any damages, losses, or claims whatsoever incurred by the Purchaser.

Damage or Loss in Transit

Delivery of product to a carrier at the shipping point shall constitute delivery to the purchaser, and regardless of the method of freight payment, all risk of loss or damage in transit shall pass to the purchaser at that time. Purchaser shall make claims for loss or damage to product while in transit against the carrier.

Warranties

Refer to <http://www.bline.com/Pricing/Terms-US.asp> for product line specific warranty information.

Product Availability

We understand that you do not want to wait a long time to receive your products from B-Line - especially when you are buying standard products. But with so many options to choose from, it can be hard to know which product will be in stock and ready to ship. That is why Cooper B-Line introduced the 'Bee-List'. As you look through the catalog, you will see that we have highlighted items that our mascot, Barnabee  , is pointing out. These are designated as 'A' items that are targeted to be in stock at all times. If you need products in a hurry, consider Bee-List items for the fastest possible service.

Literature

If you need information on any of Cooper B-Line's other product families, our Electronic Catalog CD-ROM is available, where you can view, browse, search and print the entire collection of B-Line catalogs for the electrical, mechanical and comm/data markets. This interactive CD provides our customers with both a "Catalog Center" and "Design Center". The Catalog Center allows the ability to immediately view specific information found in each current catalog, broken down by the appropriate market. Also available are competitor cross-references, product specifications and contact information for B-Line sales and engineering personnel. The Design Center features the ability to access AutoCAD Details, Cooper B-Line's software programs, technical information by product line and B-Line's Technical Paper Series.

Finding the B-Line product line of choice is as easy as clicking your mouse. Depending on your needs, simply select from either Electrical, Mechanical or Comm/Data in the CD's Catalog Center Main Menu and you immediately have access to the B-Line product line catalogs available for that market. To make it even easier, we've set up each catalog to open directly to the Table of Contents page for that respective catalog, where available. All Table of Contents listings and pictorial indices are linked to the appropriate product page, and for even quicker access to information within a catalog, there's also an expanded listing of "Bookmarks" along the left-hand side navigation pane.

Copies of the Cooper B-Line Electronic Catalog, or any other Cooper B-Line publication, may be ordered through the CD request form, or by contacting Cooper B-Line literature fulfillment at:

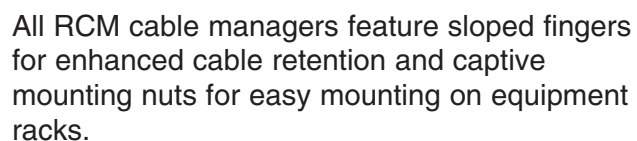
Phone: (314) 426-1800

Fax: (314) 426-6022

Email: cooperbline@repcographics.com

<http://order.repcographics.com/cooperb/default.aspx>

Cooper B-Line's new Rack Cable Management (RCM) branded product offering is designed to organize and manage cable in typical comm/data applications. In addition, the new Value Pack provides one (1) rack and two (2) cable managers in a single part number for easy ordering and shipment. Our RCM FLEXTRAY™ kit is the first in the industry to provide an open wire mesh lacing device for unparalleled space and flexibility.



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**RCM+ Extended Depth
Vertical Cable Managers**

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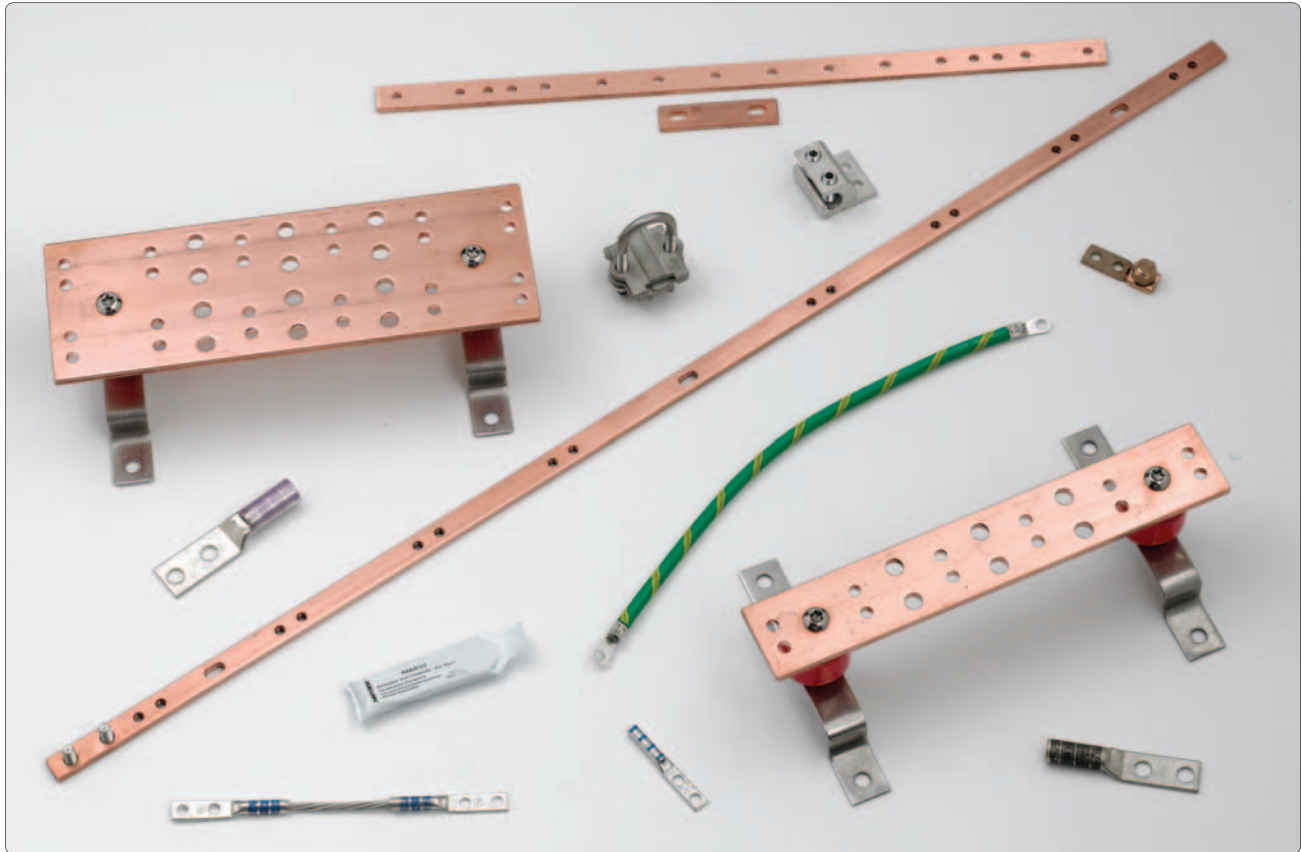
**RCM+ Rack
Mounted Double Sided Horizontal
Cable Manager With Cover
Plastic Finger Style**

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V-LINE™ Cabinet Systems

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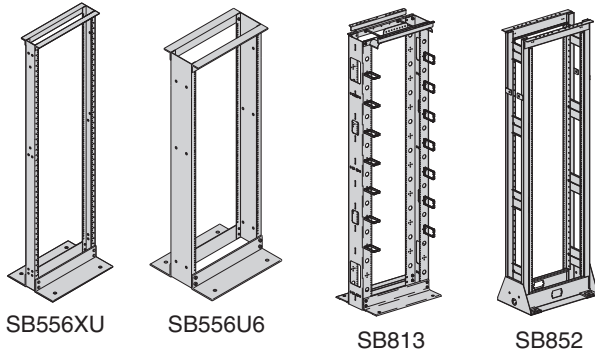


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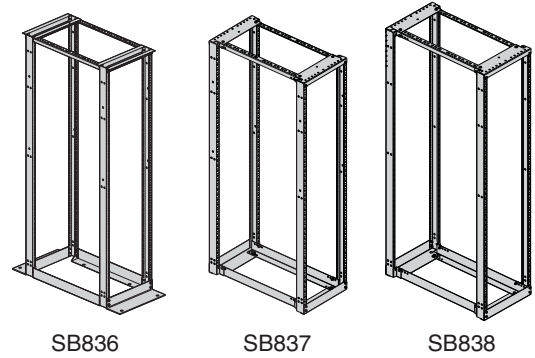


Equipment Racks & Accessories

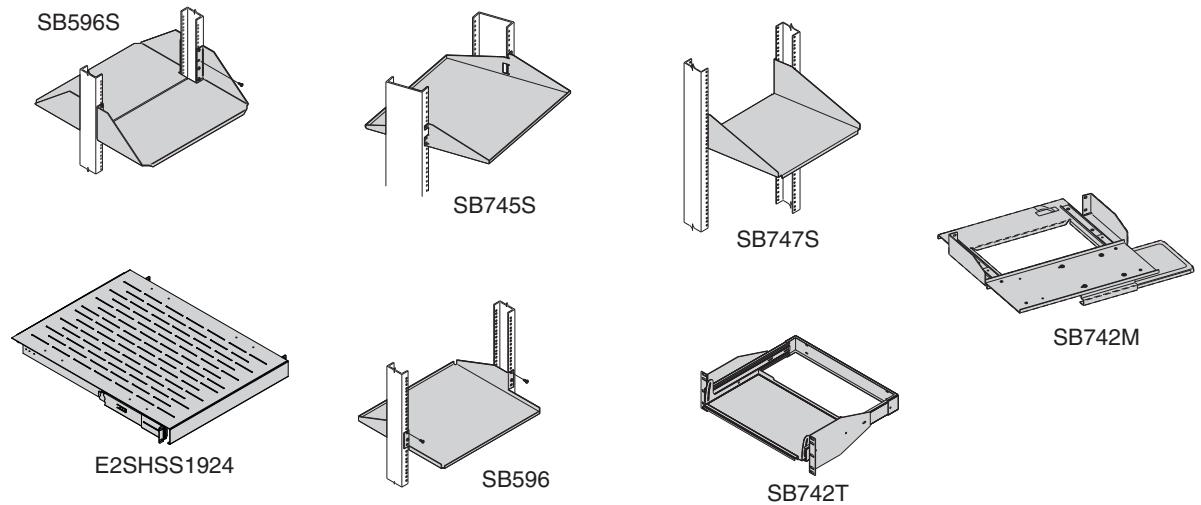
Two-Post Racks



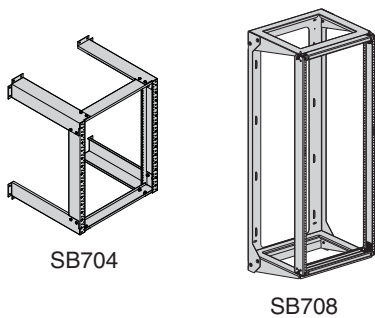
Four-Post Racks



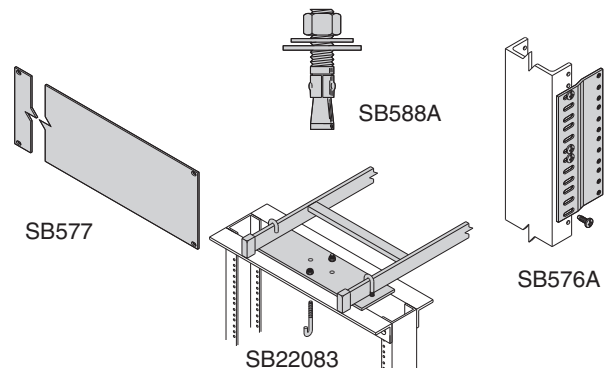
Rack Mount Shelves



Wall Mount Racks



Accessories



Equipment Racks & Accessories

Cooper B-Line is a leading manufacturer of high quality support systems for the data communications and telecommunications industries. No matter what your application for equipment racks and accessories, Cooper B-Line has the products and accessories available to meet your needs for support networking equipment and cabling in today's high performance networks.

Our line of network equipment racks includes two-post, four-post, fixed wall mounted, swing gate wall mounted, high-density cable management and seismic Zone 4 racks. All racks are designed to meet or exceed all applicable industry standards such as EIA/ECA-310-E. Our rack products are also designed to conform to any and all requirements of applicable TIA, EIA or IEEE standards that reference racks or other equipment support products and many Cooper B-Line rack products are UL listed as well.

Cooper B-Line also offers a full line of accessories for racks including grounding and bonding equipment, rack mounted shelves, power strips, cable management devices, anchors, raised floor supports and caster bases - just to name a few.

Look to Cooper B-Line for the best-in-class options for equipment racks and accessories. We take pride in designing and manufacturing top quality, full featured products that are a cut above other manufacturer's offerings. For example, our standard two post rack features an industry leading 1,200 lb. load rating as well as valuable features like permanent RMU markings and tapped assembly holes for quick assembly.

Are we missing a component you need? Contact us. Our engineering team will be glad to discuss your needs and provide a design for your specific application. Our goal is to be your preferred supplier for all your comm/data equipment support needs.

<u>Material:</u>	<u>Type</u>	<u>Thickness</u>	<u>Specifications</u>
Steel Bar	 3/8" (9.5mm)	- 7 Gauge (4.5mm)	 ASTM A36
Steel Strip	 10 Gauge (3.4mm)	- 12 Gauge (2.6mm)	 ASTM A569
Aluminum	.....		6061-T6

Finishes:

Brushed Aluminum (AL)

Powder Coat Paint

- Telco Gray (TG)

- Computer White (CW) (also known as Alcatel Gray)

- Flat Black (FB)

- Silver (SL)

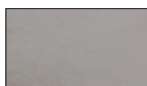
Chemical Conversion Coatings Available

- Yellow Zinc (YZ) ASTM B633

- Black Zinc (BZ) ASTM B633



(AL)
Brushed
Aluminum



(TG)
Telco Gray



(CW)
Computer
White
(Alcatel Gray)



(FB)
Flat Black
&
(BZ)
Black Zinc



(YZ)
Yellow Zinc



(SL)
Silver

Standard Conformance:

EIA/ECA-310-E

UL Listed Communication Circuit Accessory (file no. E171936).

UL Listed Communication Circuit Accessory (file no. E235184).

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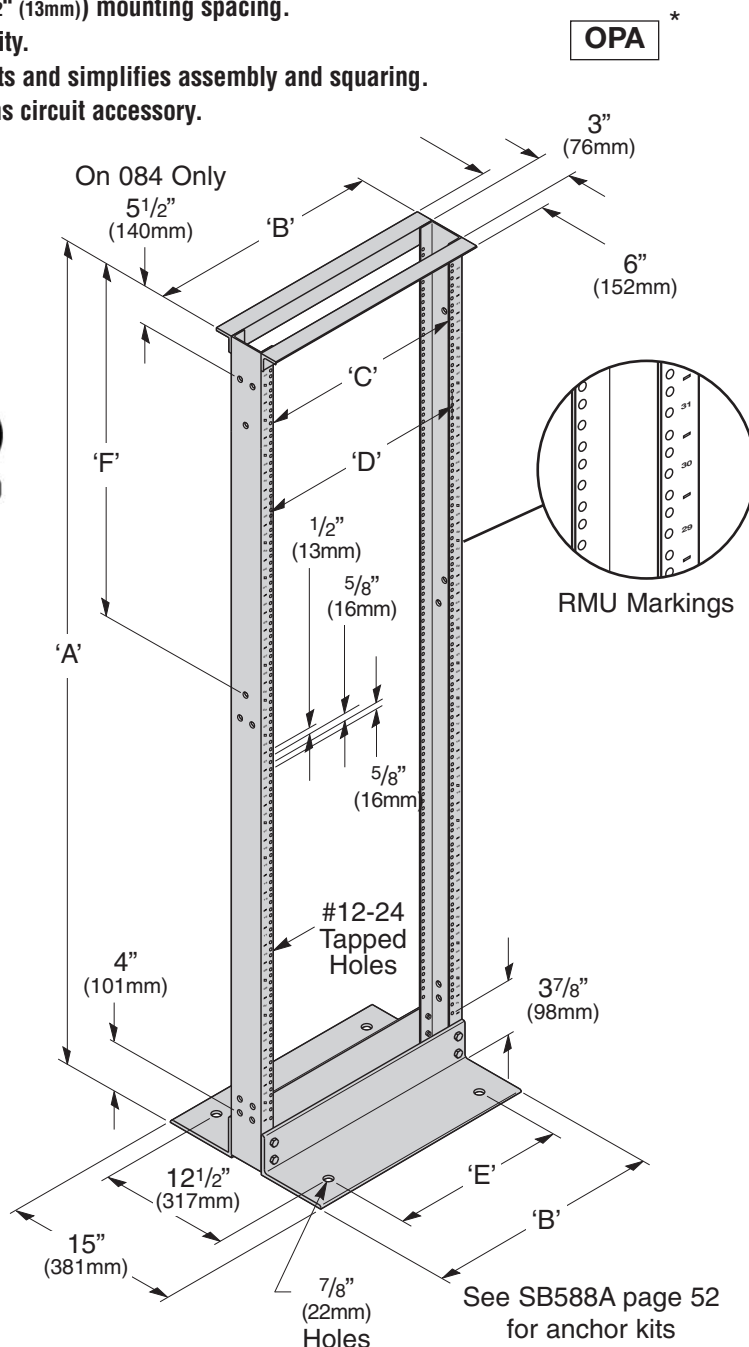
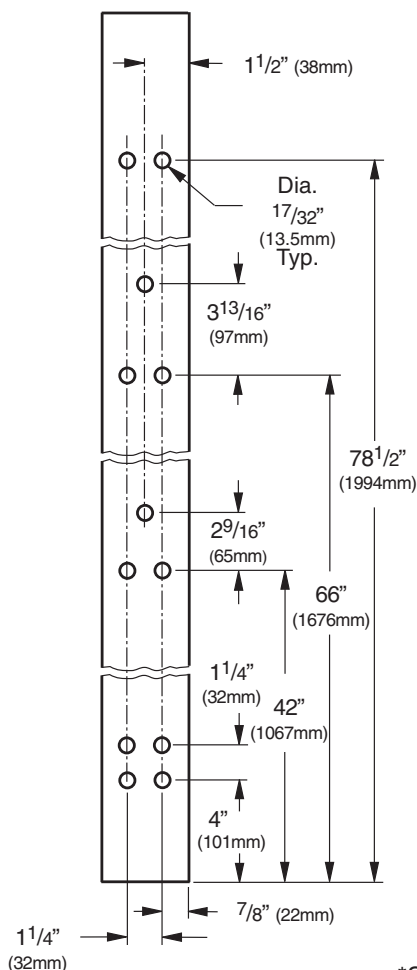
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Two-Post Network Equipment Rack

3" Uprights, 19" & 23" Panel Mounting, Customer Premise

- Universal junction hole pattern matches most manufacturers racks.
- #12-24 panel mounting holes.
- Conformance to EIA/ECA-310-E.
- Load Rating: 1200 Lbs. (544kg) weight capacity when evenly distributed for the height of the rack (84" (2133mm) and shorter).
- Permanently stamped rack mount unit (RMU) markings included.
- Packaged unassembled in protective carton suitable for parcel shipment.
- Assembles in about ten (10) minutes using standard hand tools.
- Includes thirty (30) dog point combo head (Phillips and flat blade) mounting screws.
- Double sided universal ($\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm)) mounting spacing.
- Twin $1\frac{1}{2}$ " (38mm) x $1\frac{1}{2}$ " (38mm) top angles for rigidity.
- Tapped assembly holes eliminate the need for nuts and simplifies assembly and squaring.
- UL Listed (File No. E171936) as a communications circuit accessory.
- Material: 6061-T6 aluminum alloy
- Finish ____: Brushed (AL) uprights with Silver Powder Coated top & bottom angles
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
Other finishes are available upon request

Junction Hole Pattern for 84" tall rails



See SB588A page 52
for anchor kits

Continued on page 15.

*See page 344 for OPA details.

Two-Post Network Equipment Rack

3" Uprights, 19" & 23" Panel Mounting, Customer Premise

	Dimensions			
	19" (482mm) Rack Width		23" (594mm) Rack Width	
	In.	(mm)	In.	(mm)
'A' Overall Height	36" - 108"	(914 - 2743)	36" - 108"	(914 - 2743)
'B' Overall Width	20 ⁵ / ₁₆ "	(516)	24 ⁵ / ₁₆ "	(617)
'C' Panel Mounting	18 ⁵ / ₁₆ "	(465)	22 ⁵ / ₁₆ "	(567)
'D' Usable Inside Width	17 ³ / ₄ "	(451)	21 ³ / ₄ "	(552)
'E' Base Anchor Spacing	16"	(406)	20"	(508)

Universal Spacing [⁵/₈" (16mm), ⁵/₈" (16mm), ¹/₂" (13mm)]

Part Number	'A' Height		'F' Spacing		Mounting Spaces	Shipping Weight	
	In.	(mm)	In.	(mm)		Lbs.	(kg)
19" (482mm) Rack Width							
SB556036XU__	36"	(914)	6"	(152)	17	22.0	(10.0)
SB556048XU__	48"	(1219)	3 ⁷ / ₁₆ "	(87)	24	24.0	(10.9)
SB556072XU__	72"	(1829)	27 ⁷ / ₁₆ "	(697)	38	27.5	(12.5)
SB556084XU__	84"	(2133)	39 ⁷ / ₁₆ "	(1001)	45	30.0	(13.6)
SB556096XU__	96"	(2438)	51 ⁷ / ₁₆ "	(1306)	51	31.5	(14.3)
SB556108XU__	108"	(2743)	54 ³ / ₁₆ "	(1376)	58	33.5	(15.2)
23" (584mm) Rack Width							
SB558036XU__	36"	(914)	6"	(152)	17	24.5	(11.1)
SB558048XU__	48"	(1219)	3 ⁷ / ₁₆ "	(87)	24	26.5	(12.0)
SB558072XU__	72"	(1829)	27 ⁷ / ₁₆ "	(697)	38	30.0	(13.6)
SB558084XU__	84"	(2133)	39 ⁷ / ₁₆ "	(1001)	45	32.0	(14.5)
SB558096XU__	96"	(2438)	51 ⁷ / ₁₆ "	(1306)	51	34.0	(15.4)
SB558108XU__	108"	(2743)	54 ³ / ₁₆ "	(1376)	58	36.0	(16.8)

Finish __ : Brushed (AL), Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)



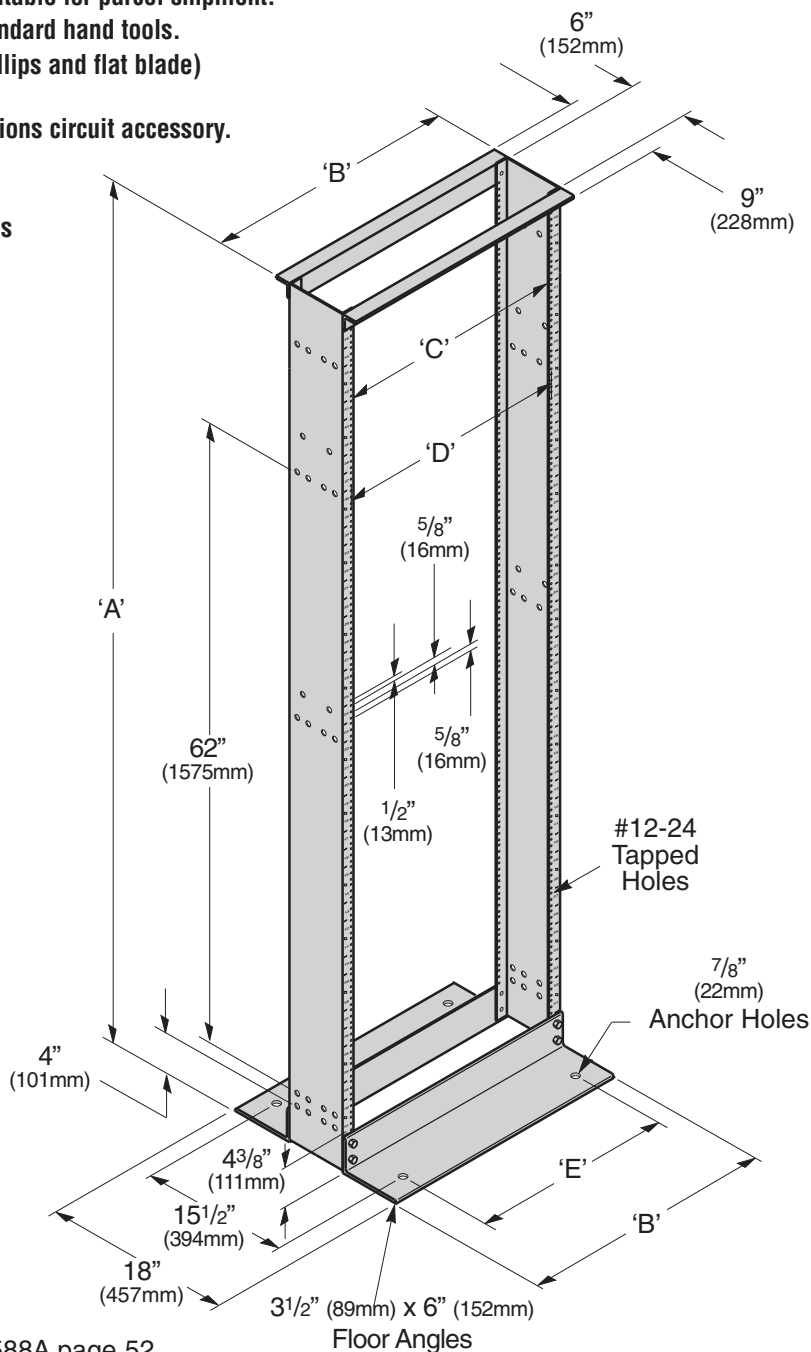
FB & AL are popular Bee List items

Two-Post Network Equipment Rack

6" Uprights, 19" & 23" Panel Mounting Customer Premise

- Double sided universal ($\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm)) mounting spacing.
- #12-24 panel mounting holes.
- Conformance to EIA/ECA-310-E.
- Load Rating: 1200 Lbs. (545kg) weight capacity when evenly distributed for the height of the rack.
- Twin $1\frac{1}{2}$ " (38mm) x $1\frac{1}{2}$ " (38mm) top angles for rigidity.
- Tapped assembly holes eliminate the need for nuts and simplifies assembly and squaring.
- Permanently stamped rack mount unit (RMU) markings included.
- Packaged unassembled in protective carton suitable for parcel shipment.
- Assembles in about ten (10) minutes using standard hand tools.
- Includes thirty (30) dog point combo head (Phillips and flat blade) mounting screws.
- UL Listed (File No. E171936) as a communications circuit accessory.
- Material: 6061-T6 aluminum alloy
- Finish ____: Brushed (AL) uprights with Silver Powder Coated top & bottom angles
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
Other finishes are available upon request

OPA *



See SB588A page 52
for anchor kits

*See page 344 for OPA details.

Continued on page 17.

Two-Post Network Equipment Rack

6" Uprights, 19" & 23" Panel Mounting Customer Premise

Universal Spacing

[5/8" (16mm), 5/8" (16mm), 1/2" (13mm)]

Part Number	Rack Width		Mounting Spaces	Shipping Weight	
	In.	(mm)		Lbs.	(kg)
 SB55608419U6__	19"	(482)	45	33	(14.9)
SB55608423U6__	23"	(584)	45	37	(16.8)

Finish __ : Brushed (AL), Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB)

Dimensions				
	19" (482mm) Rack Width In.	(mm)	23" (594mm) Rack Width In.	(mm)
'A' Overall Height	84"	(2133)	84"	(2133)
'B' Overall Width	20 ⁵ / ₁₆ "	(516)	24 ⁵ / ₁₆ "	(617)
'C' Panel Mounting	18 ⁵ / ₁₆ "	(465)	22 ⁵ / ₁₆ "	(567)
'D' Usable Inside Width	17 ³ / ₄ "	(451)	21 ³ / ₄ "	(552)
'E' Base Anchor Spacing	16"	(406)	20"	(508)

Other heights available on request.

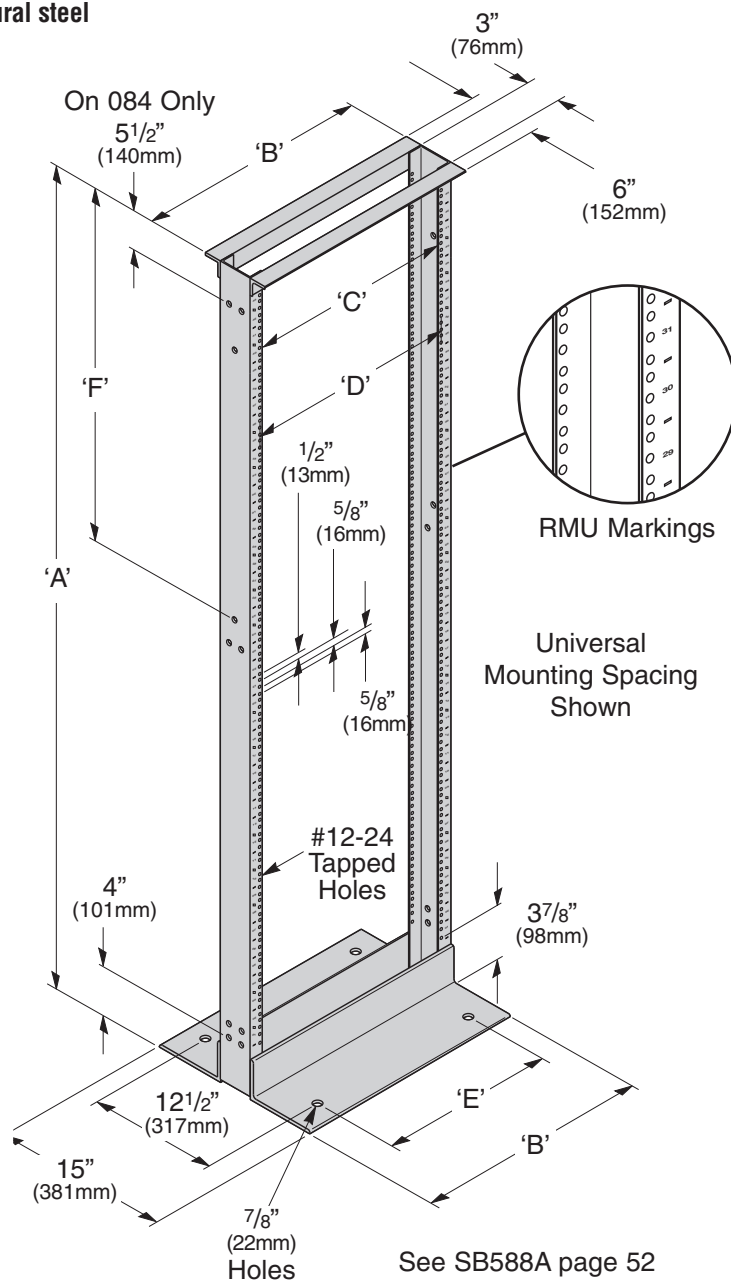
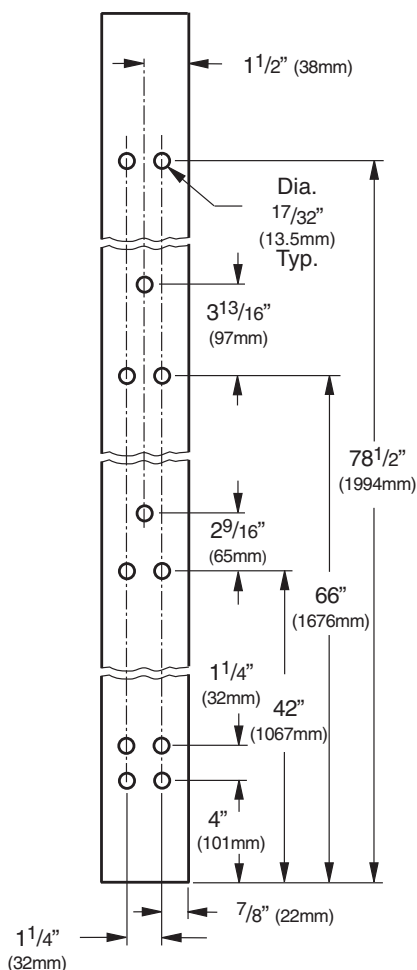


FB & AL are popular Bee List items

Two-Post Network Equipment Rack 19" & 23" Panel Mounting, Welded Steel

- #12-24 panel mounting holes.
- Conformance to EIA/ECA-310-E.
- Double sided universal mounting spacing ($\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm)).
- Double heavy duty $1\frac{1}{2}$ " (38mm) x $1\frac{1}{2}$ " (38mm) top angles for alignment pipe.
- Permanently stamped rack mount unit (RMU) markings included.
- Accessory mounting holes provided in web and flanges of upright.
- Heavy duty welded construction. (Shipped assembled)
- UL Listed (File No. E171936) as a communications circuit accessory.
- Load Rating: 1200 Lbs. (544kg) weight capacity when evenly distributed for the height of the rack.
- Material: Upright - 11 Ga. (3mm) ASTM A570 structural steel
Angles - ASTM A36 structural steel
- Finish _____
Telco Gray Powder Coat (TG),
Flat Black Powder Coat (FB) or
Silver Powder Coat (SL)
Other finishes are available
upon request

Junction Hole Pattern for 84" tall rails



See SB588A page 52
for anchor kits

Continued on page 19.

Two-Post Network Equipment Rack 19" & 23" Panel Mounting, Welded Steel

Universal Spacing [$\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm)]

Part Number	‘A’ Height		‘F’ Spacing		Mounting Spaces	Shipping Weight	
	In.	(mm)	In.	(mm)		Lbs.	(kg)
19" (482mm) Rack Width							
SB506084XU____	84"	(2133)	39 ⁷ / ₁₆ "	(1001)	45	82	(37.2)
23" (584mm) Rack Width							
SB508084XU____	84"	(2133)	39 ⁷ / ₁₆ "	(1001)	45	91	(41.3)

Other sizes available upon request.

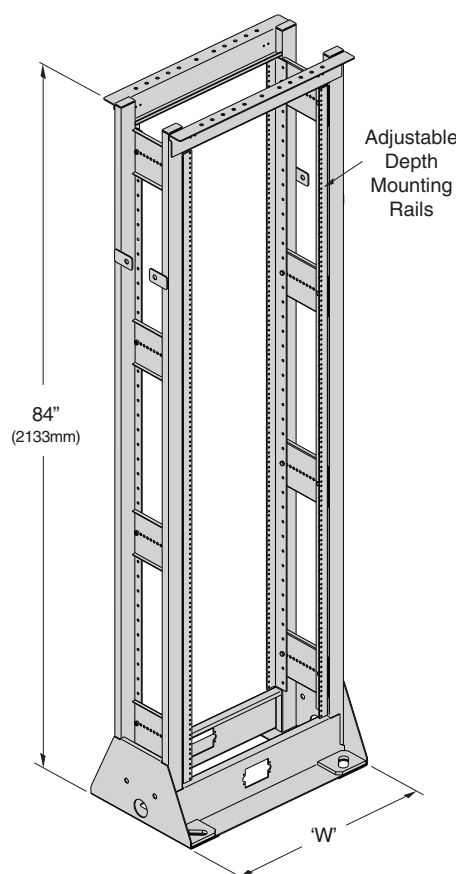
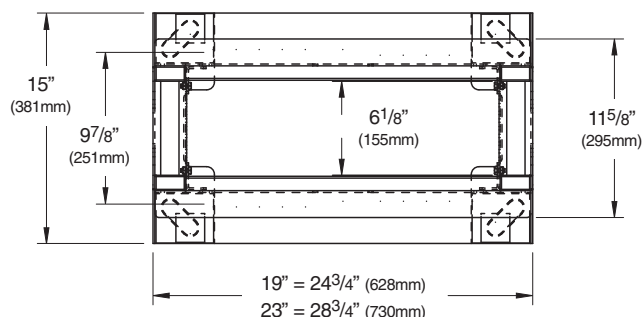
Finish __: Telco Gray Powder Coat (TG), Flat Black Powder Coat (FB) or
Silver Powder Coat (SL)

Dimensions				
	19" (482mm) Rack Width In. | (mm)		23" (594mm) Rack Width In. | (mm)	
'A' Overall Height	84"	(2133)	84"	(2133)
'B' Overall Width	$20\frac{5}{16}$ "	(516)	$24\frac{5}{16}$ "	(617)
'C' Panel Mounting	$18\frac{5}{16}$ "	(465)	$22\frac{5}{16}$ "	(567)
'D' Usable Inside Width	$17\frac{3}{4}$ "	(451)	$21\frac{3}{4}$ "	(552)
'E' Base Anchor Spacing	16"	(406)	20"	(508)

Two Post Seismic Relay Rack 19" & 23" Panel Mounting, Welded Steel

- Independently tested to the NEBS GR-63-CORE Seismic Zone 4 standard and rated for 900 lbs. (408kg) of equipment
- Independent testing conducted in accordance with ICBO AC156 standard for use up to 900 lbs. (408kg).
- Conformance to EIA/ECA-310-E.
- Mounting rail spacing is adjustable from 3" (76mm) to 8" (203mm).
- 45 rack mounting units.
- Open top, bottom, and sides permit unlimited cable management options.
- Industry standard mounting holes on sides allow attachment of vertical cable managers.
- Top angles drilled for runway attachment.
- Openings in front and rear of base for duplex receptacle mounting.
- Holes for grounding provided in four locations.
- Tubular steel frame provides a high degree of strength to weight ratio.
- Concrete installation requires (4) AWA-50-375 (sold separately)
- Standard finishes: Flat Black Powder Coat (FB) or Telco Gray Powder Coat (TG), Other finishes are available upon request

OPA *



Part Number	'A' Height In. | (mm)		'W' Overall Width In. | (mm)		Mounting Spaces	Shipping Weight Lbs. | (kg)	
19" (482mm) Rack Width							
SB85219084__	84"	(2133)	24 ³ / ₄ "	(628)	45	130	(58.9)
23" (584mm) Rack Width							
SB85223084__	84"	(2133)	28 ³ / ₄ "	(730)	45	137	(62.1)

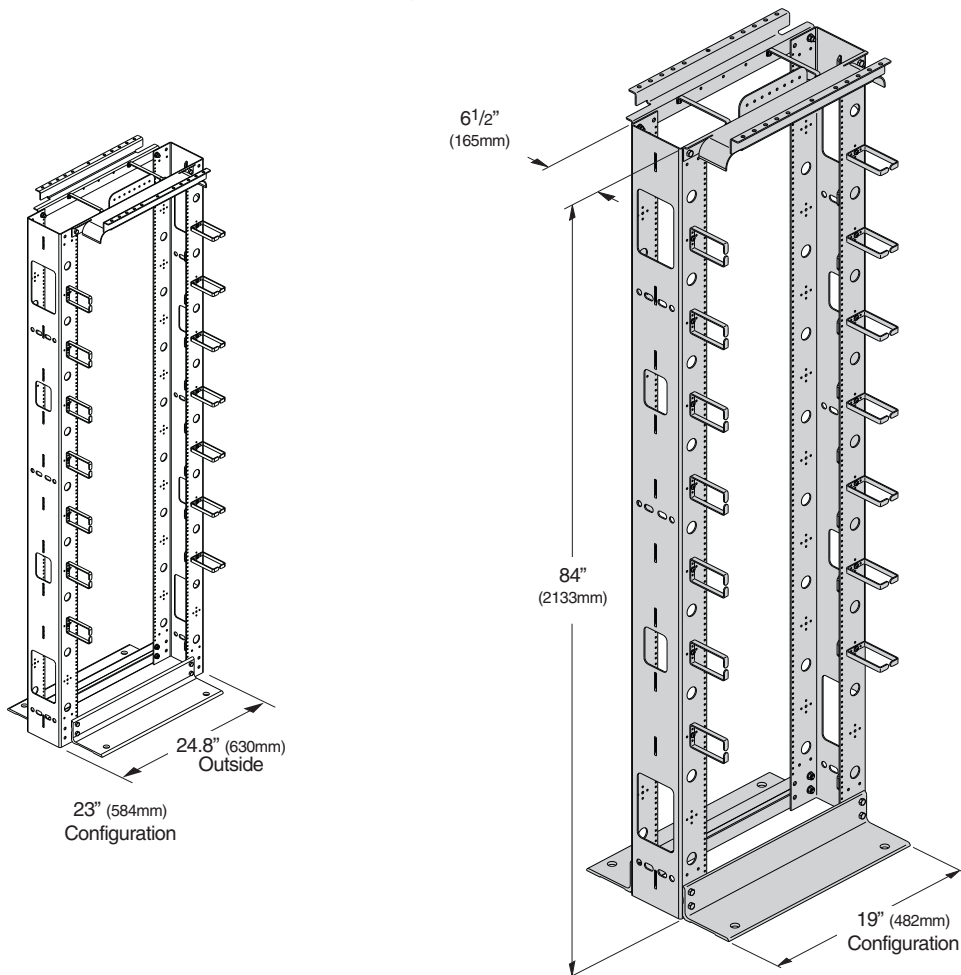


FB is a popular Bee List item

*See page 344 for OPA details.

Two Post Cable Management Rack 19"/23" Panel Mounting, 6 1/2" Uprights

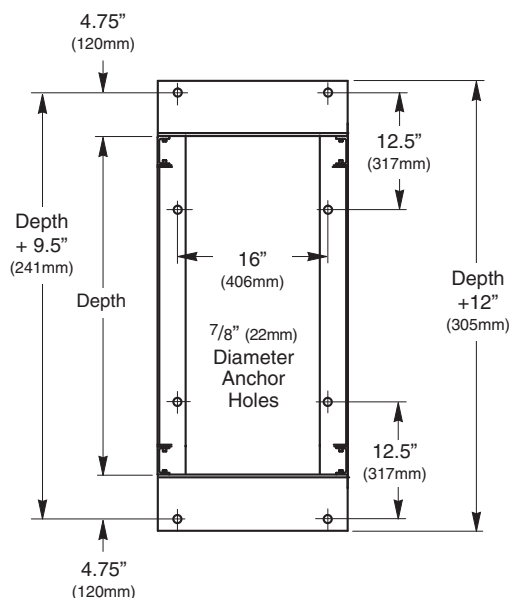
- Large vertical duct for increased cable capacity.
- Integrated waterfalls provide a 1 1/2" (38mm) bend radius.
- Large side cable pass-thru holes for rack to rack cabling.
- Cable pass-thru holes above and below "D" rings improve cable management.
- Top angles are pre-drilled for runway attachment.
- Rack may be assembled for either 19" (482mm) or 23" (584mm) panels.
- Includes (30) dog point combo head (Phillips and flat blade) mounting screws.
- Packaged unassembled in protective carton suitable for parcel shipment.
- Adjustable waterfalls on top cable management trays.
- Includes: (18) one-wrap straps, (14) "D" rings, and #12-24 mounting hardware
- Material: 6061-T6 aluminum alloy
- Finishes___: Flat Black Powder Coat (FB)
Other finishes are available upon request



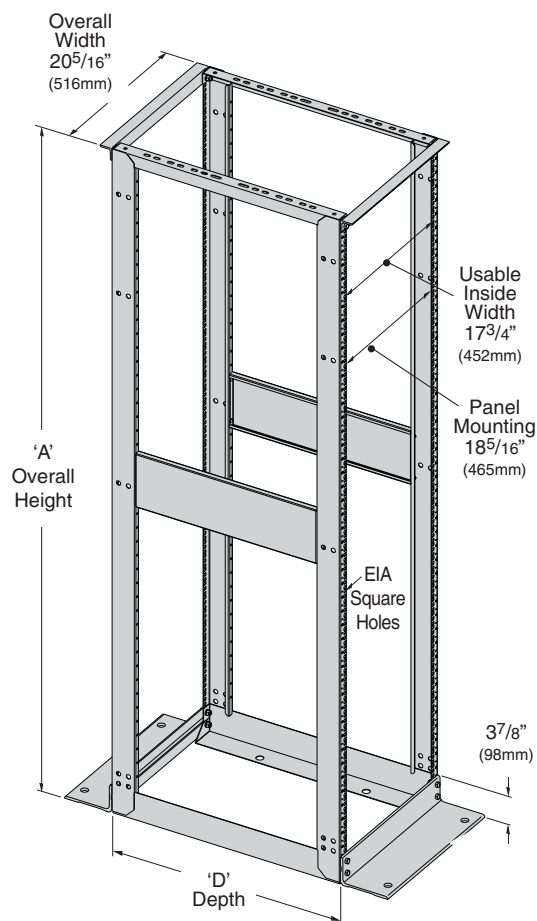
Catalog Number	Height		Mounting Spaces	Weight	
	In.	(mm)		Lbs.	(kg)
SB813084___	84	(2133)	45	49.5	(22.4)

Four Post Server Rack - Fixed Depth 19" Panel Mounting

- Open 4-post frame with 19" EIA square hole 14 gauge steel mounting rails designed to provide nearly 360 degrees of accessibility and unrestricted heat flow.
- Available in 84" (2133mm) height, 45 rack mount units (RMU).
- 'C' shaped EIA square hole universal rails accept M6, #10-32, or #12-24 cage nuts.
- Permanently stamped rack mount unit (RMU) markings included.
- Load rating: 1000 lbs. (459kg) capacity, evenly distributed along rack height.
- Ships unassembled in protective carton suitable for parcel shipment.
- Assembles in about twenty (20) minutes using standard hand tools.
- UL Listed (File No. E171936) as a communications circuit accessory.
- Conformance to EIA/ECA-310-E.
- Top depth rails are pre-drilled for runway attachment.
- SB836 4-Post Kit includes: (4) Mounting Rails, (2) Top Depth Rails, (2) Bottom Depth Rails, (2) Base Angles, (2) Top Angles, (2) Center Braces, (30) cage nuts, (30) #12-24 screws, and installation instructions.
- Finishes___: Flat Black Powder Coat (FB) or Telco Gray Powder Coat (TG)
Other finishes are available upon request



**For Mounting Rail
Junction Hole
Pattern
on 84" tall rails
See page 12.**



19" EIA Mounting Square Hole Rail Design Universal Spacing [$\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm)]

Part Number	'A' Height		'W' Overall Width		'D' Depth		Shipping Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB8361908418	84"	(2133)	20 ⁵ / ₁₆ "	(516)	18"	(457)	58.0	(26.3)
SB8361908424	84"	(2133)	20 ⁵ / ₁₆ "	(516)	24"	(609)	62.0	(28.1)
SB8361908429	84"	(2133)	20 ⁵ / ₁₆ "	(516)	29"	(736)	67.7	(30.7)
SB8361908436	84"	(2133)	20 ⁵ / ₁₆ "	(516)	36"	(914)	70.0	(31.7)



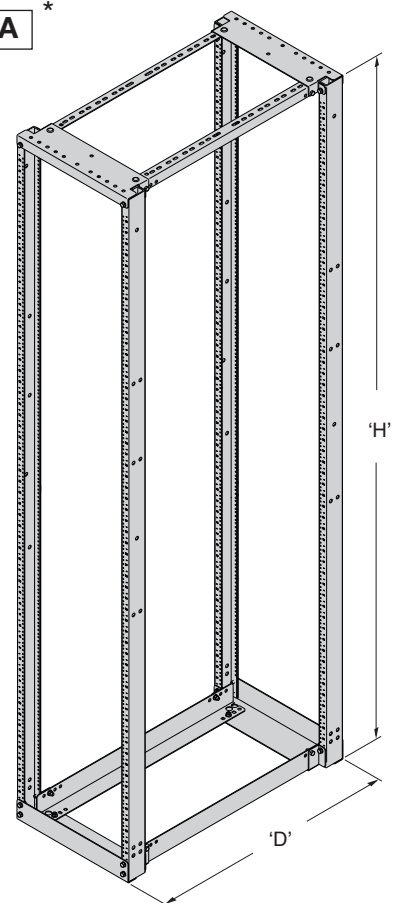
FB is a popular Bee List item

Four Post - Adjustable Depth Equipment Rack 19" Panel Mounting - Customer Premise

- Open 19" 4-post frame with #12-24 tapped hole extruded aluminum mounting rails designed to provide nearly 360 degrees of accessibility and unrestricted air flow.
- EIA/ECA-310-E universal 5/8" (16mm), 5/8" (16mm), 1/2" (13mm) hole pattern.
- Available in 72" (1828mm) 38RMU, 84" (2133mm) 45RMU, and 96" (2438mm) 51 RMU heights. (Other heights available upon request.)
- Depth adjustable in 1" (25.4mm) increments from 18" (457mm) to 24" (609mm), 24" (609mm) to 30" (762mm), 30" (762mm) to 36" (914mm) and 36" (914mm) to 42" (1067mm) overall depth.
- Load Rating: 2000 lb. (907kg) capacity, evenly distributed along rack height.
- Ships unassembled in protective carton.
- Permanently stamped rack mount unit (RMU) markings included.
- Assembles in about twenty (20) minutes using standard hand tools.
- Upper cross and attachment members are pre-drilled for runway attachment.
- SB837 4-Post Kit includes: (4) Mounting Rails, (2) Upper Cross Members, (2) Lower Cross Members, (2) Upper Adjustment Members, (2) Lower Adjustment Members, (4) Top Angles, (100) #12-24 mounting screws.
Required hardware and installation instructions.
- UL Listed to the UL60950 Standard - File No. E171936.
- Material: 6061-T6 aluminum alloy uprights, steel cross members and adjustment members.
- Finishes___: Flat Black Powder Coat (FB) - Other finishes available upon request



OPA *



19" EIA Mounting Tapped Hole Rail Design Universal Spacing [5/8" (16mm), 5/8" (16mm), 1/2" (13mm)]

Part Number	'H' Height		'D' Depth		Shipping Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB837072AFB	72"	(1829)	18" - 24"	(457 - 609)	49.8	(22.6)
SB837084AFB	84"	(2133)	18" - 24"	(457 - 609)	53.2	(24.1)
SB837096AFB	96"	(2438)	18" - 24"	(457 - 609)	56.8	(25.7)
SB837072BFB	72"	(1829)	24" - 30"	(609 - 762)	57.9	(26.2)
SB837084BFB	84"	(2133)	24" - 30"	(609 - 762)	56.4	(25.6)
SB837096BFB	96"	(2438)	24" - 30"	(609 - 762)	59.9	(27.2)
SB837072CFB	72"	(1829)	30" - 36"	(762 - 914)	56.0	(25.4)
SB837084CFB	84"	(2133)	30" - 36"	(762 - 914)	59.5	(27.0)
SB837096CFB	96"	(2438)	30" - 36"	(762 - 914)	63.1	(28.6)
SB837072DFB	72"	(1829)	36" - 42"	(914 - 1067)	59.2	(26.8)
SB837084DFB	84"	(2133)	36" - 42"	(914 - 1067)	62.6	(28.4)
SB837096DFB	96"	(2438)	36" - 42"	(914 - 1067)	66.2	(30.0)



FB is a popular Bee List item

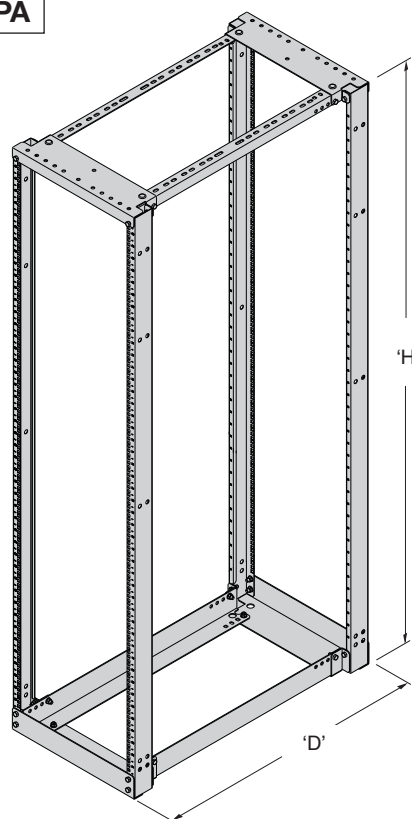
*See page 344 for OPA details.

Four Post - Adjustable Depth Server Rack - Self-Supporting 19" Panel Mounting - Customer Premise

- Open 4-post frame with 19" EIA square hole 14 gauge steel mounting rails designed to provide nearly 360 degrees of accessibility and unrestricted air flow.
- EIA/ECA-310-E universal $\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm) hole pattern rails accept M6, #10-32 or #12-24 cage nuts.
- Unequal flange design of the rails allows for server rail clearance.
- Available in 72" (1828mm) 38RMU, 84" (2133mm) 45RMU, and 96" (2438mm) 51 RMU heights. (Other heights available upon request.)
- Depth adjustable in 1" (25.4mm) increments from 18" (457mm) to 24" (609mm), 24" (609mm) to 30" (762mm), 30" (762mm) to 36" (914mm) and 36" (914mm) to 42" (1067mm) overall depth.
- Load Rating: 2000 lb. (907kg) capacity, evenly distributed along rack height.
- Ships unassembled in protective carton.
- Permanently stamped rack mount unit (RMU) markings included.
- Assembles in about twenty (20) minutes using standard hand tools.
- Upper cross and attachment members are pre-drilled for runway attachment.
- SB838 4-Post Kit includes: (4) Mounting Rails, (2) Upper Cross Members, (2) Lower Cross Members, (2) Upper Adjustment Members, (2) Lower Adjustment Members, (4) Top Angles, (100) #12-24 mounting screws.
Required hardware and installation instructions.
- UL Listed to the UL60950 Standard - File No. E171936.
- Material: 6061-T6 aluminum alloy uprights, steel cross members and adjustment members.
- Finishes___: Flat Black Powder Coat (FB) - Other finishes available upon request



OPA *



19" EIA Mounting Square Hole Rail Design Universal Spacing [$\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm)]

Part Number	'A' Height		'D' Depth		Shipping Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB838072AFB	72"	(1829)	18" - 24"	(457 - 609)	55.4	(25.1)
SB838084AFB	84"	(2133)	18" - 24"	(457 - 609)	59.9	(27.2)
SB838096AFB	96"	(2438)	18" - 24"	(457 - 609)	64.4	(29.2)
SB838072BFB	72"	(1829)	24" - 30"	(609 - 762)	58.6	(26.6)
SB838084BFB	84"	(2133)	24" - 30"	(609 - 762)	63.0	(28.6)
SB838096BFB	96"	(2438)	24" - 30"	(609 - 762)	67.5	(30.6)
SB838072CFB	72"	(1829)	30" - 36"	(762 - 914)	61.7	(28.0)
SB838084CFB	84"	(2133)	30" - 36"	(762 - 914)	66.1	(30.0)
SB838096CFB	96"	(2438)	30" - 36"	(762 - 914)	70.6	(32.0)
SB838072DFB	72"	(1829)	36" - 42"	(914 - 1067)	64.8	(29.4)
SB838084DFB	84"	(2133)	36" - 42"	(914 - 1067)	69.3	(31.4)
SB838096DFB	96"	(2438)	36" - 42"	(914 - 1067)	73.8	(33.5)



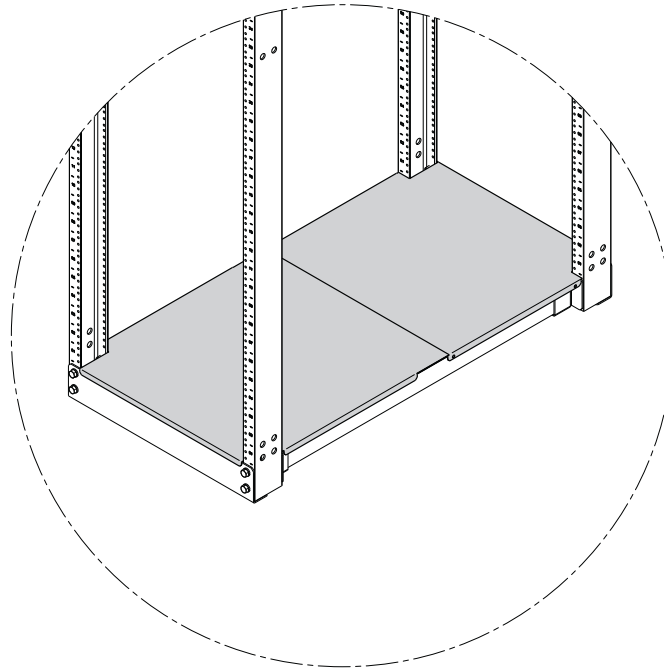
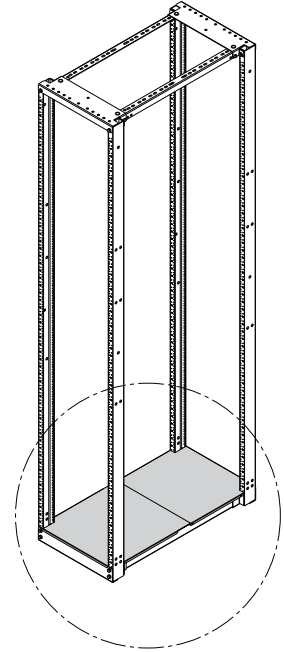
FB is a popular Bee List item

*See page 344 for OPA details.

Base Dust Cover

For Adjustable Depth Four Post Racks

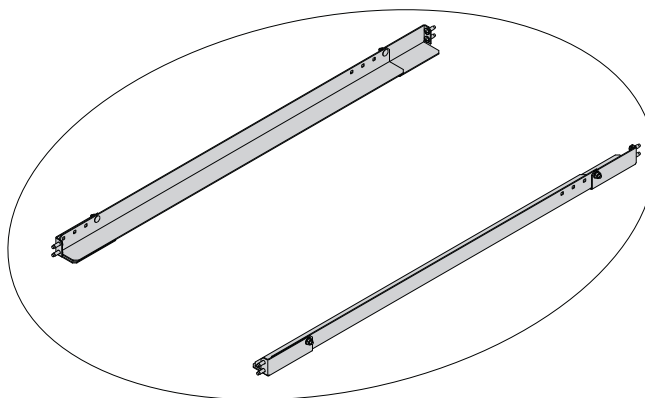
- Used to cover the opening at the bottom of the adjustable depth four post racks.
- Helps to maintain a professional, clean appearance when applied.
- Works with both SB837 and SB838 series adjustable depth four post racks.
- Constructed of 18 gauge (1.2mm) steel.
- Tool-less assembly.
- Finish: Flat Black Powder Coat (FB)
(Other finishes available upon request)



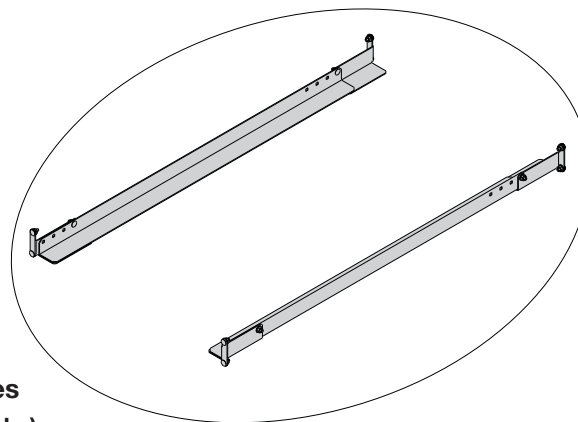
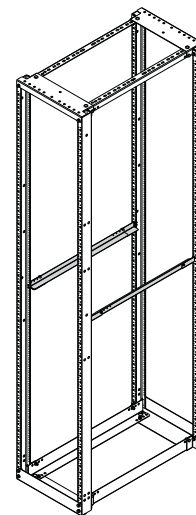
Part Number	Adjustable Depth		Weight	
	In.	(mm)	Lbs.	(kg)
SB837ADCFB	18" - 24"	(457 - 609)	6.1	(2.7)
SB837BDCFB	24" - 30"	(609 - 762)	7.6	(3.4)
SB837CDCFB	30" - 36"	(762 - 914)	9.1	(4.1)
SB837DDCFB	36" - 42"	(914 - 1067)	10.6	(4.8)

Equipment Support Rails For Adjustable Depth Four Post Racks

- Provides a 1" (25.4mm) wide surface as additional support (front to rear) for heavy rack mounted equipment.
- 1" (25.4mm) increment adjustability feature to match the depth of the rack.
- Does not interfere with usable RMU spaces.
- Supports maximum load of 200 lbs. (90.7kg).
- Sold in pairs.
- Finish: Flat Black Powder Coat (FB)
(Other finishes available upon request)



SB837__ES Series
(Use with SB837 racks)

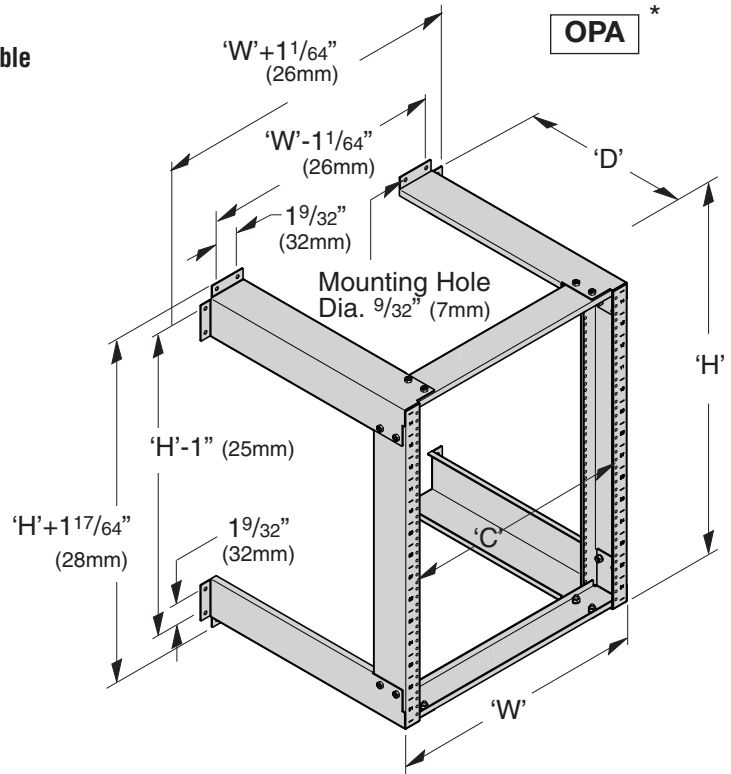


SB838__ES Series
(Use with SB838 racks)

Part Number	Adjustable Equipment Support		Weight	
	In.	(mm)	Lbs.	(kg)
SB837AESFB	18" - 24"	(457 - 609)	2.1	(0.9)
SB837BESFB	24" - 30"	(609 - 762)	2.7	(1.2)
SB837CESFB	30" - 36"	(762 - 914)	3.3	(1.5)
SB837DESFB	36" - 42"	(914 - 1067)	3.9	(1.7)
SB838AESFB	18" - 24"	(457 - 609)	2.2	(1.0)
SB838BESFB	24" - 30"	(609 - 762)	2.8	(1.3)
SB838CESFB	30" - 36"	(762 - 914)	3.4	(1.5)
SB838DESFB	36" - 42"	(914 - 1067)	4.0	(1.8)

Wall-Mounted Network Equipment Rack Heavy Duty, 19" Panel Mount

- Rated for 350 lb. (159kg) load capacity (assuming suitable mounting surface)
- Double sided universal ($\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm)) mounting spacing.
- #12-24 panel mounting holes.
- Conformance to EIA/ECA-310-E.
- 19" (482mm) width (other sizes are available upon request)
- 25" (635mm), 39" (990mm) and 74" (1879mm) heights
- 18" (457mm), 24" (609mm) and 30" (762mm) depths
- Permanently stamped rack mount unit (RMU) markings included.
- Packaged unassembled in protective carton suitable for parcel shipment.
- Installs in about fifteen (15) minutes using standard hand tools.
- Material: 6061-T6 aluminum alloy uprights and steel extension brackets
- Finish ____: Brushed (AL)
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
Other finishes are available upon request



Mounting Spaces for Height 'H' of

25 $\frac{1}{4}$ " - 14 spaces • 39 $\frac{1}{4}$ " - 22 spaces • 74 $\frac{1}{4}$ " - 42 spaces

Part Number	'W' Rack Width		'H' Height		'C' Panel Mounting		'D' Depth		Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB704192518__	20 $\frac{5}{16}$ "	(516)	25 $\frac{9}{16}$ "	(640)	18 $\frac{5}{16}$ "	(465)	18"	(457)	10.2	(4.6)
SB704192524__	20 $\frac{5}{16}$ "	(516)	25 $\frac{9}{16}$ "	(640)	18 $\frac{5}{16}$ "	(465)	24"	(609)	11.5	(5.2)
SB704192530__	20 $\frac{5}{16}$ "	(516)	25 $\frac{9}{16}$ "	(640)	18 $\frac{5}{16}$ "	(465)	30"	(762)	13.1	(5.9)
SB704193918__	20 $\frac{5}{16}$ "	(516)	39 $\frac{9}{16}$ "	(1005)	18 $\frac{5}{16}$ "	(465)	18"	(457)	13.5	(6.1)
SB704193924__	20 $\frac{5}{16}$ "	(516)	39 $\frac{9}{16}$ "	(1005)	18 $\frac{5}{16}$ "	(465)	24"	(609)	14.9	(6.7)
SB704193930__	20 $\frac{5}{16}$ "	(516)	39 $\frac{9}{16}$ "	(1005)	18 $\frac{5}{16}$ "	(465)	30"	(762)	16.2	(7.3)
SB704197418__	20 $\frac{5}{16}$ "	(516)	74 $\frac{9}{16}$ "	(1894)	18 $\frac{5}{16}$ "	(465)	18"	(457)	21.6	(9.8)
SB704197424__	20 $\frac{5}{16}$ "	(516)	74 $\frac{1}{4}$ "	(1894)	18 $\frac{5}{16}$ "	(465)	24"	(609)	22.9	(10.4)
SB704197430__	20 $\frac{5}{16}$ "	(516)	74 $\frac{1}{4}$ "	(1894)	18 $\frac{5}{16}$ "	(465)	30"	(762)	24.5	(11.1)

*See page 344 for OPA details.

Swing Gate Wall Mounted Equipment Rack

19" Panel Mount

- Wall mounted rack door hinges to either side providing convenient access to the back of mounted equipment.
- Constructed of a steel frame and aluminum door with steel hinge pins.
- Easy, one person installation in about five (5) minutes.
- Mounting holes on 16" (406mm) centers.
- Door can be completely removed from frame after installation.
- EIA/ECA-310-E compliant with universal (5/8" (16mm), 5/8" (16mm), 1/2" (13mm)) mounting hole spacing.
- Available in 19" EIA width. (Other sizes available upon request)
- Available in mounting heights of 24" (609mm), 30" (762mm), 44" (1117mm), 54" (1371mm) and 79" (2006mm).
- Available in depths of 8" (203mm), 12" (305mm), 18" (457mm), and 25" (635mm).
- Packaged unassembled in protective carton suitable for parcel shipment.
- Integrated cable tie/cable wrap tie-down points.
- Load Rating: 150 Lbs. (68kg) (assumes suitable mounting surface)
- Finish ____: Telco Gray Powder Coat (TG), Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
Other finishes are available upon request.
- UL listing - file number E235184

OPA *

Rack Mounting Units Spacing Qty.

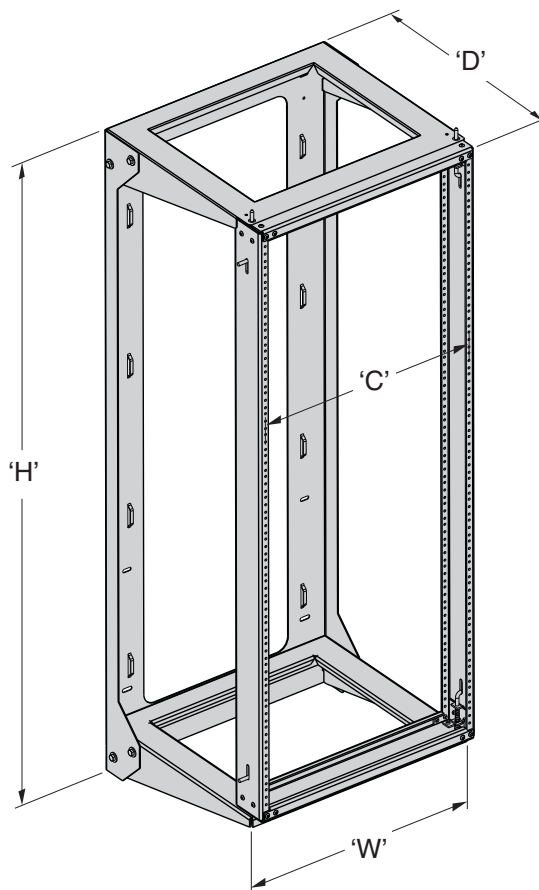
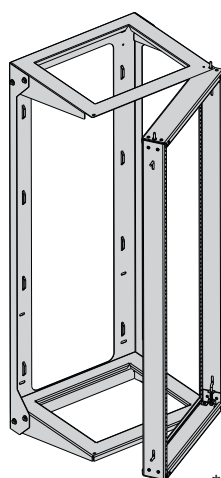
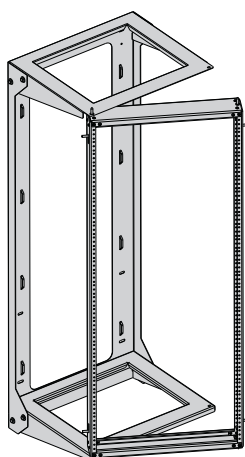
24" (609mm) height
10 RMU's

30" (762mm) height
13 RMU's

44" (1117mm) height
21 RMU's

54" (1371mm) height
27 RMU's

79" (2006mm) height
41 RMU's



*See page 344 for OPA details.

Continued on page 29

Wall Mounted Swing Gate Equipment Rack

19" Panel Mount

Part Number	Rack Width		'W' Overall Width		'C' Panel Mounting		'H' Overall Height		'D' Usable Depth		Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
 SB708192408	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	24"	(609)	8"	(203)	21	(9.5)
SB708192412	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	24"	(609)	12"	(305)	23	(10.4)
 SB708192418	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	24"	(609)	18"	(457)	26	(11.8)
SB708192425	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	24"	(609)	25"	(635)	33	(14.9)
SB708193008	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	29 ³ / ₁₆ "	(741)	8"	(203)	30	(13.6)
SB708193012	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	29 ³ / ₁₆ "	(741)	12"	(305)	32	(14.5)
 SB708193018	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	29 ³ / ₁₆ "	(741)	18"	(457)	35	(15.9)
SB708193025	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	29 ³ / ₁₆ "	(741)	25"	(635)	39	(17.7)
SB708194408	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	43 ³ / ₁₆ "	(1096)	8"	(203)	32	(14.5)
SB708194412	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	43 ³ / ₁₆ "	(1096)	12"	(305)	34	(15.4)
 SB708194418	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	43 ³ / ₁₆ "	(1096)	18"	(457)	38	(17.2)
SB708194425	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	43 ³ / ₁₆ "	(1096)	25"	(635)	44	(19.9)
SB708195408	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	53 ⁵ / ₈ "	(1363)	8"	(203)	34	(15.4)
SB708195412	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	53 ⁵ / ₈ "	(1363)	12"	(305)	37	(16.8)
 SB708195418	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	53 ⁵ / ₈ "	(1363)	18"	(457)	40	(18.1)
SB708195425	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	53 ⁵ / ₈ "	(1363)	25"	(635)	46	(20.8)
SB708197908	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	78 ³ / ₁₆ "	(1985)	8"	(203)	39	(17.7)
SB708197912	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	78 ³ / ₁₆ "	(1985)	12"	(305)	41	(18.6)
SB708197918	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	78 ³ / ₁₆ "	(1985)	18"	(457)	45	(20.4)
SB708197925	19"	(482)	19.88"	(505)	18 ⁵ / ₁₆ "	(465)	78 ³ / ₁₆ "	(1985)	25"	(635)	51	(23.1)

Finish ____: Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB)

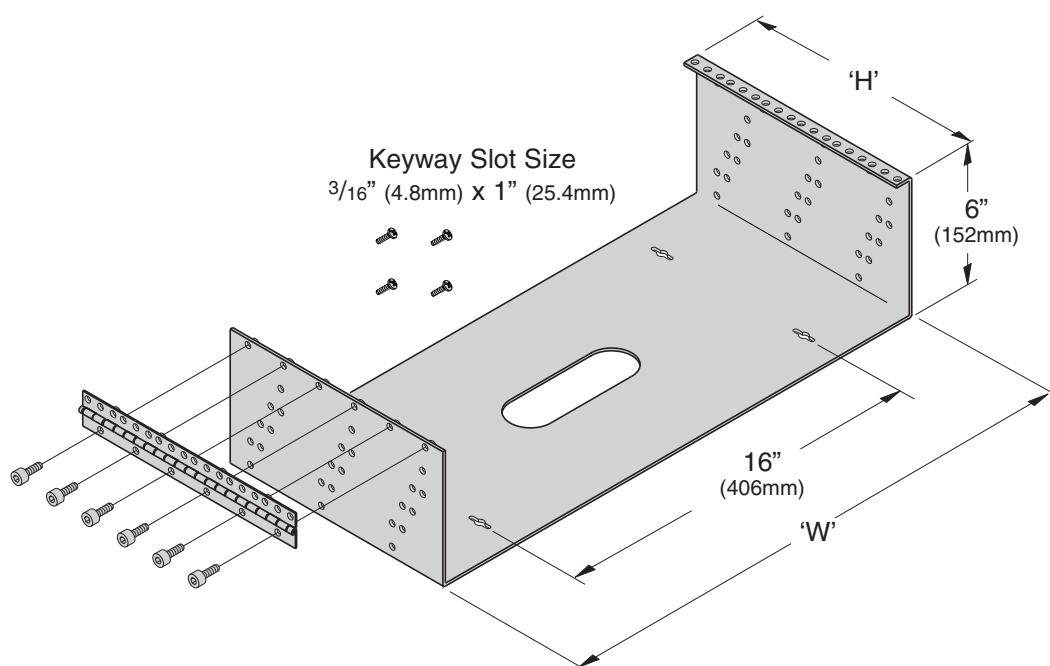
Other finishes are available upon request.



FB is a popular Bee List item

Wall Mounted Patch Panel Bracket 19" or 23" Panel Mount, Hinged

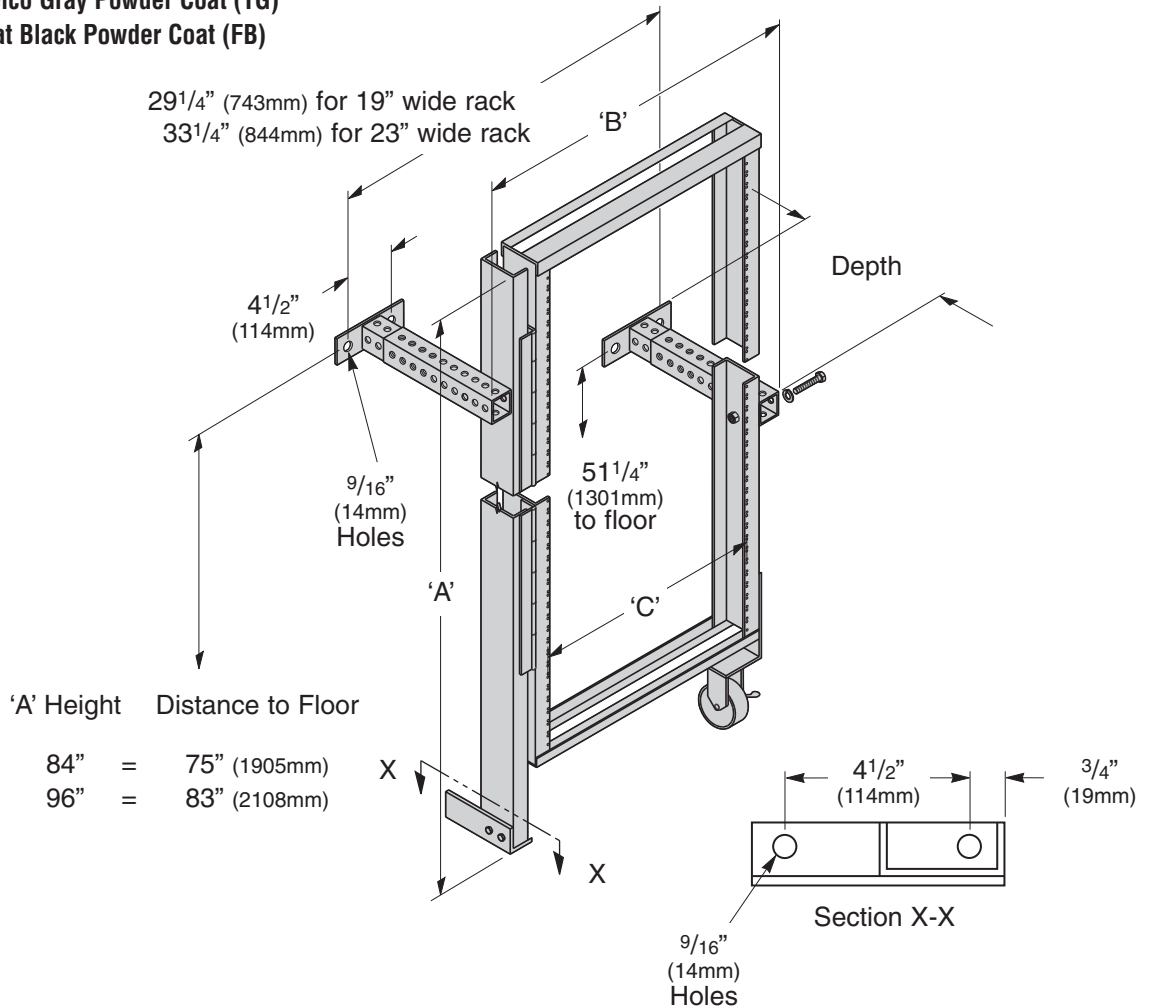
- Use to mount patch panels to wall.
- Hinged design allows easy access.
- Tie holes for cable management.
- Installs in less than five (5) minutes using standard hand tools.
- Material: Aluminum
- Finish ____: Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB)
Other finishes are available upon request.



Part Number	Rack Width 'AW'		Height 'H'		Mounting Units	Slot Size		Weight Each	
	In.	(mm)	In.	(mm)		In.	(mm)	Lbs.	(kg)
SB750190602__	19"	(482)	3 1/2"	(89)	2	1" x 6"	(25 x 152)	4.0	(1.8)
SB750190603__	19"	(482)	5 1/4"	(133)	3	2" x 6"	(51 x 152)	6.0	(2.7)
SB750190604__	19"	(482)	7"	(178)	4	2" x 6"	(51 x 152)	8.0	(3.6)
SB750190606__	19"	(482)	10 1/2"	(267)	6	2" x 6"	(51 x 152)	12.0	(5.4)
SB750230602__	23"	(584)	3 1/2"	(89)	2	1" x 6"	(25 x 152)	4.5	(2.0)
SB750230603__	23"	(584)	5 1/4"	(133)	3	2" x 6"	(51 x 152)	6.8	(3.1)
SB750230604__	23"	(584)	7"	(178)	4	2" x 6"	(51 x 152)	9.0	(4.1)
SB750230606__	23"	(584)	10 1/2"	(267)	6	2" x 6"	(51 x 152)	13.5	(6.1)

Wall & Floor Mounted Swing Gate Network Equipment Rack

- #12-24 panel mounting holes.
- Conformance to EIA/ECA-310-E.
- Single sided universal ($\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm)) mounting spacing.
- 10" (254mm) to 18" (457mm) adjustable depth.
- Order anchoring hardware separately.
- Permanently stamped rack mount unit (RMU) markings included.
- Installs in about thirty (30) minutes using standard hand tools.
- Hinged left only.
- Load Rating: 600 Lbs. (272kg)
- Material: 6061-T6 aluminum with steel hinge and mounting brackets.
- Finish ____: Telco Gray Powder Coat (TG)
Flat Black Powder Coat (FB)

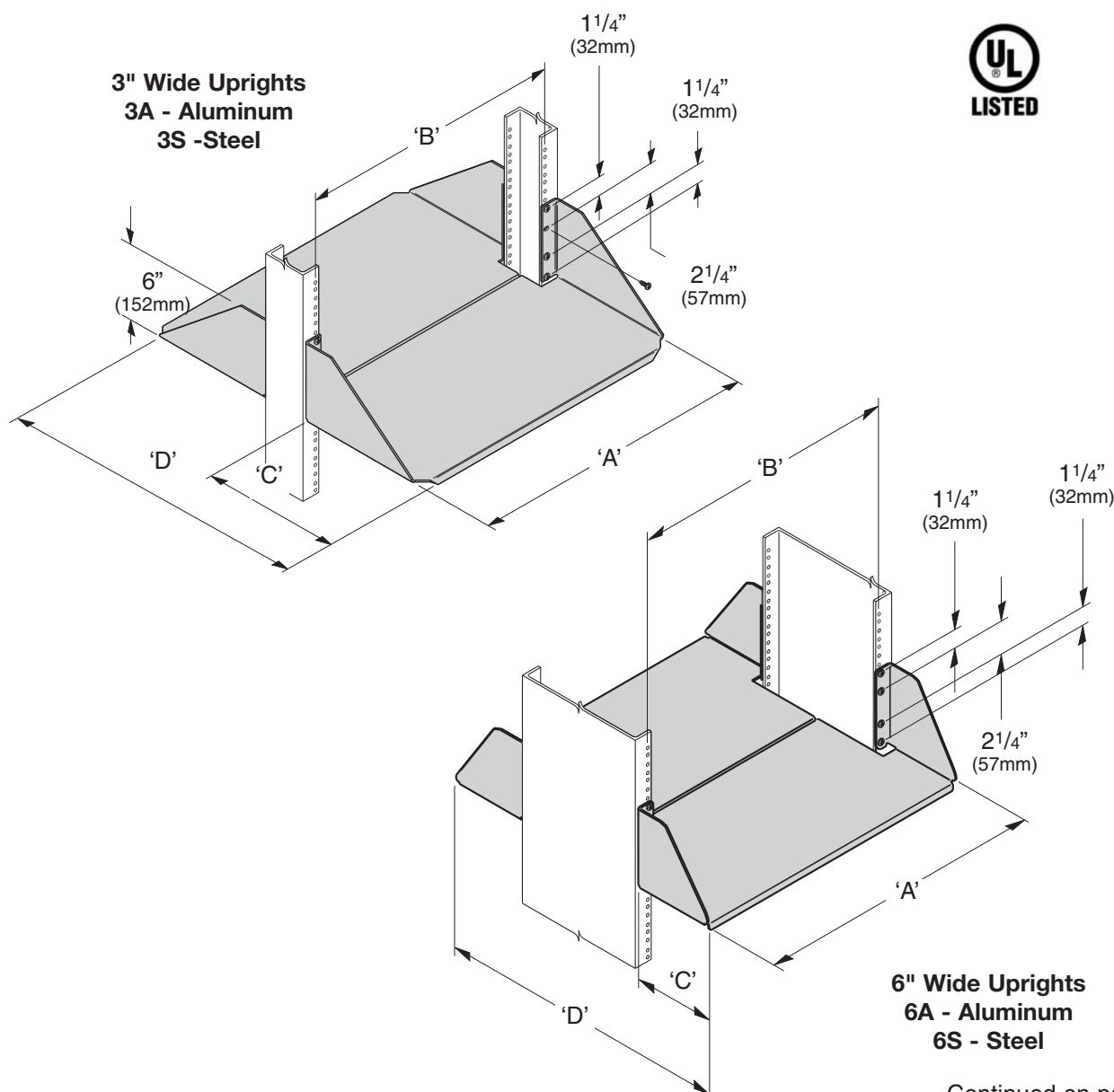


Part Number	Rack Width		'A' Height		'B' Overall Width		'C' Panel Mounting		Mounting Spaces	Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)		Lbs.	(kg)
SB542084__	19"	(482)	84"	(2133)	25 $\frac{13}{16}$ "	(655)	18 $\frac{5}{16}$ "	(465)	43	50.4	(22.8)
SB542096__	19"	(482)	96"	(2438)	25 $\frac{13}{16}$ "	(655)	18 $\frac{5}{16}$ "	(465)	50	53.7	(24.3)

Double Sided Rack Mounted Shelf

Heavy Duty, Solid Shelf

- Use to support large monitors, CPU's or printers.
- Four (4) mounting spaces required.
- 200 Lbs. (91kg) load capacity (when used as shown).
- Includes: (2) shelves and #12-24 mounting hardware.
- UL 1863 Listed (File No. E171936) as a communications circuit accessory.
- Can be mounted individually or matched, front and rear, for larger shelf area.
- Material: 0.090 thick 5052-H32 aluminum sheet or 14 Gauge ASTM 569 Steel
- Finish ____: Aluminum - Brushed (AL)
Aluminum & Steel - Telco Gray Powder Coat (TG), Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.



Continued on page 33.

Double Sided Rack Mounted Shelf

Heavy Duty, Solid Shelf

Part Number	Mat'l.	'A'		'B'		'C'		'D'		Weight	
		Shelf Width In.	(mm)	Panel Mtg. In.	(mm)	In.	(mm)	Overall Depth In.	(mm)	Lbs.	(kg)
19" (482mm) Rack Width 3" (76mm) Wide Uprights											
 SB596S19103A__	Alum	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	8 ¹ / ₂ "	(216)	20"	(508)	5.0	(2.2)
 SB596S19103S__	Steel	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	8 ¹ / ₂ "	(216)	20"	(508)	14.4	(6.5)
 SB596S19153A__	Alum	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	13 ¹ / ₂ "	(343)	30"	(762)	6.0	(2.7)
 SB596S19153S__	Steel	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	13 ¹ / ₂ "	(343)	30"	(762)	17.3	(7.8)
19" (482mm) Rack Width 6" (152mm) Wide Uprights											
SB596S19106A__	Alum	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	7"	(178)	20"	(508)	5.0	(2.2)
SB596S19106S__	Steel	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	7"	(178)	20"	(508)	14.4	(6.5)
SB596S19156A__	Alum	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	12"	(305)	30"	(762)	6.0	(2.7)
SB596S19156S__	Steel	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	12"	(305)	30"	(762)	17.3	(7.8)
23" (584mm) Rack Width 3" (76mm) Wide Uprights											
SB596S23103A__	Alum	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	8 ¹ / ₂ "	(216)	20"	(508)	5.2	(2.8)
SB596S23103S__	Steel	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	8 ¹ / ₂ "	(216)	20"	(508)	15.0	(6.8)
SB596S23153A__	Alum	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	13 ¹ / ₂ "	(343)	30"	(762)	7.2	(3.2)
SB596S23153S__	Steel	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	13 ¹ / ₂ "	(343)	30"	(762)	20.8	(9.4)
23" (584mm) Rack Width 6" (152mm) Wide Uprights											
SB596S23106A__	Alum	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	7"	(178)	20"	(508)	5.2	(2.8)
SB596S23106S__	Steel	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	7"	(178)	20"	(508)	15.0	(6.8)
SB596S23156A__	Alum	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	12"	(305)	30"	(762)	7.2	(3.2)
SB596S23156S__	Steel	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	12"	(305)	30"	(762)	20.8	(9.4)

Finish ___ : Aluminum - Brushed (AL)

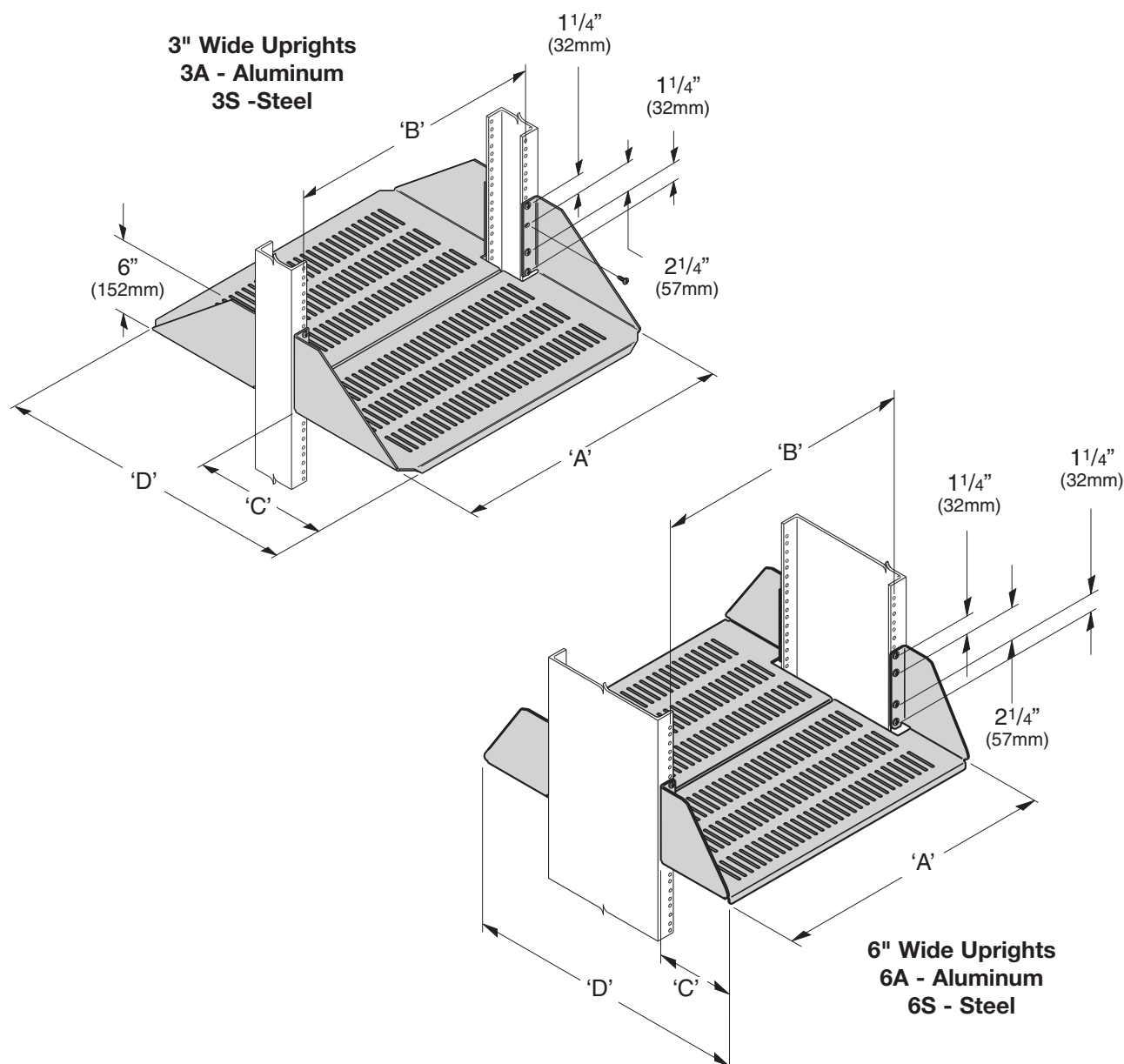
Aluminum & Steel - Telco Gray Powder Coat (TG), Flat Black Powder Coat (FB) or Silver Powder Coat (SL)



FB & AL are popular Bee List items

Double Sided Rack Mounted Shelf Heavy Duty, Ventilated Shelf

- Use to support large monitors, CPU's or printers.
- Four (4) mounting spaces required.
- 200 Lbs. (91kg) load capacity (when used as shown).
- Includes: (2) shelves and #12-24 mounting hardware.
- Can be mounted individually or matched, front and rear, for larger shelf area.
- Material: 0.090 thick 5052-H32 aluminum sheet or 14 Gauge ASTM 569 Steel
- Finish ____: Aluminum - Brushed (AL)
Aluminum & Steel - Telco Gray Powder Coat (TG), Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.



Continued on page 35.

Double Sided Rack Mounted Shelf

Heavy Duty, Ventilated Shelf



Part Number	Mat'l.	'A' Shelf Width		'B' Panel Mtg.		'C'		'D' Overall Depth		Weight	
		In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
19" (482mm) Rack Width 3" (76mm) Wide Uprights											
SB596V19103A__	Alum	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	8 ¹ / ₂ "	(216)	20"	(508)	4.6	(2.1)
SB596V19103S__	Steel	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	8 ¹ / ₂ "	(216)	20"	(508)	13.3	(6.0)
SB596V19153A__	Alum	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	13 ¹ / ₂ "	(343)	30"	(762)	5.4	(2.4)
SB596V19153S__	Steel	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	13 ¹ / ₂ "	(343)	30"	(762)	15.6	(7.1)
19" (482mm) Rack Width 6" (152mm) Wide Uprights											
SB596V19106A__	Alum	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	7"	(178)	20"	(508)	4.6	(2.1)
SB596V19106S__	Steel	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	7"	(178)	20"	(508)	13.3	(6.0)
SB596V19156A__	Alum	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	12"	(305)	30"	(762)	5.4	(2.4)
SB596V19156S__	Steel	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	12"	(305)	30"	(762)	15.6	(7.1)
23" (584mm) Rack Width 3" (76mm) Wide Uprights											
SB596V23103A__	Alum	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	8 ¹ / ₂ "	(216)	20"	(508)	5.8	(2.6)
SB596V23103S__	Steel	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	8 ¹ / ₂ "	(216)	20"	(508)	16.8	(7.6)
SB596V23153A__	Alum	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	13 ¹ / ₂ "	(343)	30"	(762)	6.4	(2.9)
SB596V23153S__	Steel	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	13 ¹ / ₂ "	(343)	30"	(762)	18.5	(8.4)
23" (584mm) Rack Width 6" (152mm) Wide Uprights											
SB596V23106A__	Alum	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	7"	(178)	20"	(508)	5.8	(2.6)
SB596V23106S__	Steel	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	7"	(178)	20"	(508)	16.8	(7.6)
SB596V23156A__	Alum	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	12"	(305)	30"	(762)	6.4	(2.9)
SB596V23156S__	Steel	23 ⁵ / ₁₆ "	(643)	22 ⁵ / ₁₆ "	(567)	12"	(305)	30"	(762)	18.5	(8.4)

Finish ___ : Aluminum - Brushed (AL)

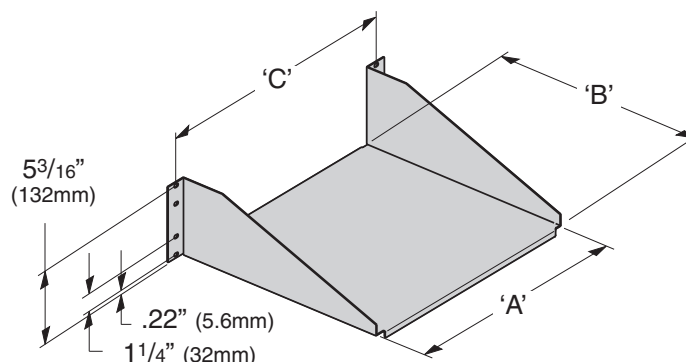
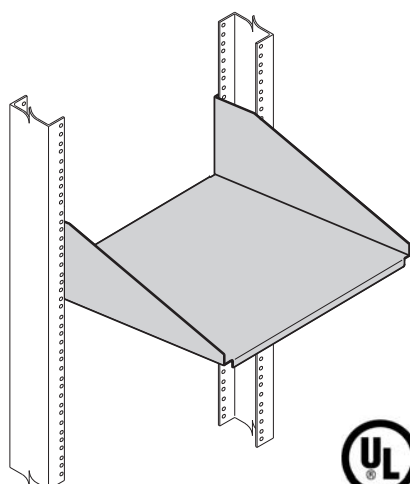
Aluminum & Steel - Telco Gray Powder Coat (TG), Flat Black Powder Coat (FB) or
Silver Powder Coat (SL)



FB are popular Bee List items

Single Sided Rack Mounted Shelf Solid Shelf

- Use to support monitors, CPU's and modems.
- Can be mounted to any flat surface including walls.
- Three (3) mounting spaces required.
- 100 Lb. (.45kg) load capacity.
- Includes: #12-24 mounting hardware.
- UL 1863 Listed (File No. E171936) as a communications circuit accessory.
- Material: 0.090 thick 5052-H32 aluminum sheet or 14 Gauge ASTM 569 Steel
- Finish ____: Aluminum - Brushed (AL),
Aluminum & Steel - Telco Gray Powder Coat (TG),
Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.



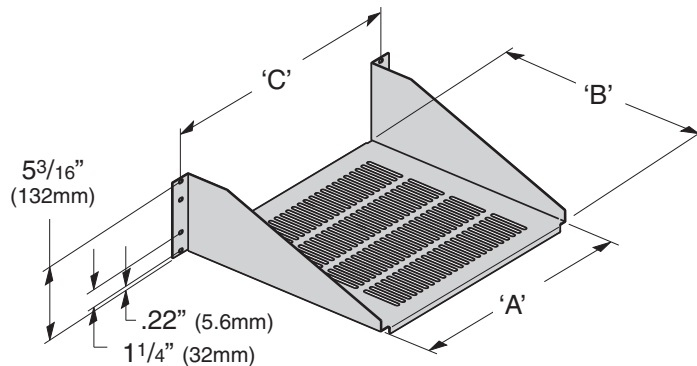
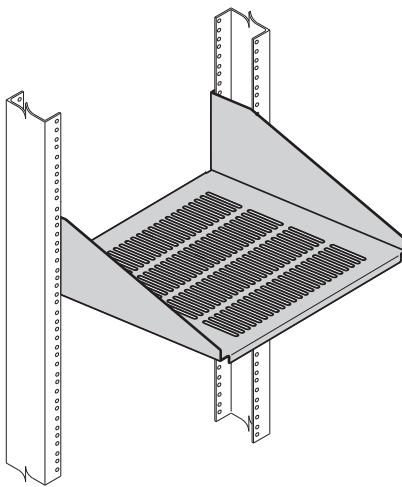
Part Number	Mat'l.	Rack Width		'A'		'B'		'C'		Weight	
		In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
 SB747S1910A	Alum	19"	(482)	17 1/2"	(444)	10"	(254)	18 5/16"	(465)	2.7	(1.2)
 SB747S1910S	Steel	19"	(482)	17 1/2"	(444)	10"	(254)	18 5/16"	(465)	7.8	(3.5)
 SB747S1915A	Alum	19"	(482)	17 1/2"	(444)	15"	(381)	18 5/16"	(465)	3.8	(1.7)
 SB747S1915S	Steel	19"	(482)	17 1/2"	(444)	15"	(381)	18 5/16"	(465)	11.0	(5.0)
 SB747S2310A	Alum	23"	(584)	21 1/2"	(546)	10"	(254)	22 5/16"	(567)	2.9	(1.3)
 SB747S2310S	Steel	23"	(584)	21 1/2"	(546)	10"	(254)	22 5/16"	(567)	8.4	(3.8)
 SB747S2315A	Alum	23"	(584)	21 1/2"	(546)	15"	(381)	22 5/16"	(567)	4.2	(1.9)
 SB747S2315S	Steel	23"	(584)	21 1/2"	(546)	15"	(381)	22 5/16"	(567)	12.1	(5.5)



FB & AL are popular Bee List items

Single Sided Rack Mounted Shelf Ventilated Shelf

- Use to support monitors, CPU's and modems.
- Can be mounted to any flat surface including walls.
- Three (3) mounting spaces required.
- 100 Lb. (.45kg) load capacity.
- Includes: #12-24 mounting hardware.
- Material: 0.090 thick 5052-H32 aluminum sheet or 14 Gauge ASTM 569 Steel
- Finish ____: Aluminum - Brushed (AL)
Aluminum & Steel - Telco Gray Powder Coat (TG),
Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.



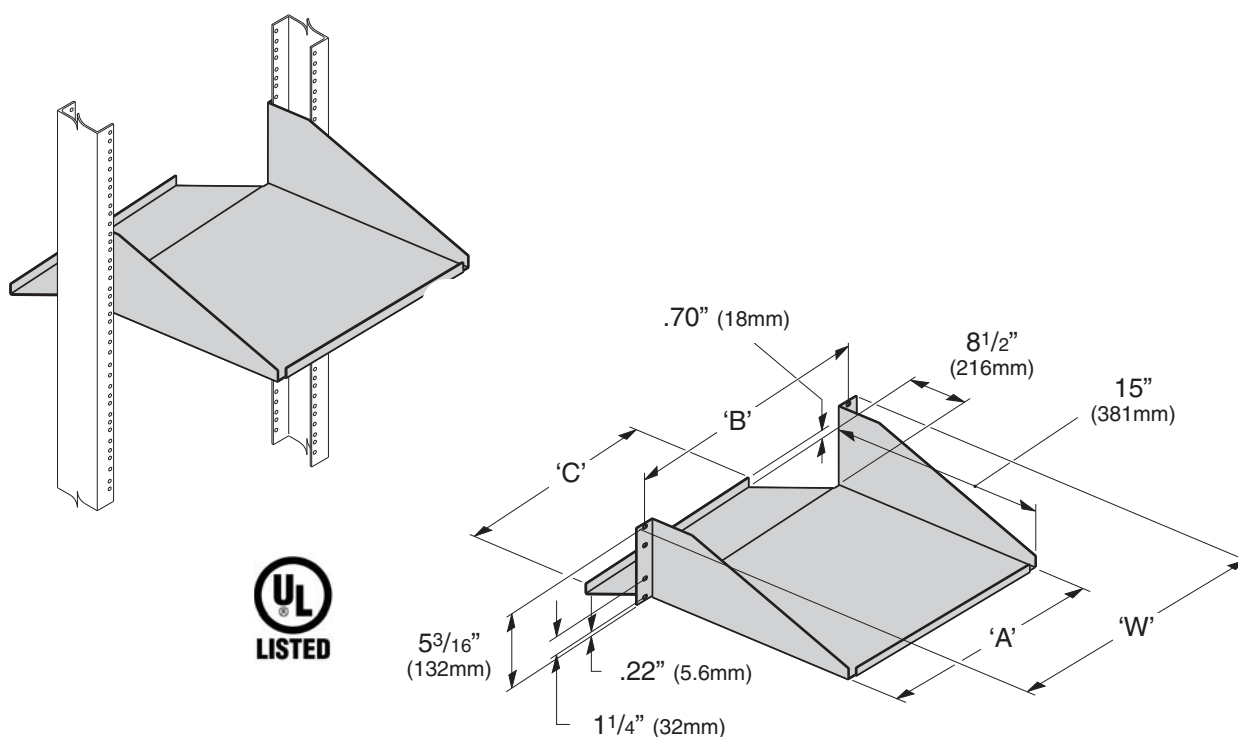
Part Number	Mat'l.	Rack Width		'A'		'B'		'C'		Weight	
		In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
 SB747V1910A__	Alum	19"	(482)	17 1/2"	(444)	10"	(254)	18 5/16"	(465)	2.3	(1.0)
SB747V1910S__	Steel	19"	(482)	17 1/2"	(444)	10"	(254)	18 5/16"	(465)	6.6	(3.0)
 SB747V1915A__	Alum	19"	(482)	17 1/2"	(444)	15"	(381)	18 5/16"	(465)	3.2	(1.4)
SB747V1915S__	Steel	19"	(482)	17 1/2"	(444)	15"	(381)	18 5/16"	(465)	9.2	(4.2)
SB747V2310A__	Alum	23"	(584)	21 1/2"	(546)	10"	(254)	22 5/16"	(567)	2.5	(1.1)
SB747V2310S__	Steel	23"	(584)	21 1/2"	(546)	10"	(254)	22 5/16"	(567)	7.2	(3.3)
SB747V2315A__	Alum	23"	(584)	21 1/2"	(546)	15"	(381)	22 5/16"	(567)	3.1	(1.4)
SB747V2315S__	Steel	23"	(584)	21 1/2"	(546)	15"	(381)	22 5/16"	(567)	9.0	(4.1)



FB are popular Bee List items

CPU/Monitor Rack Mounted Shelf with Keyboard Extension Solid Shelf

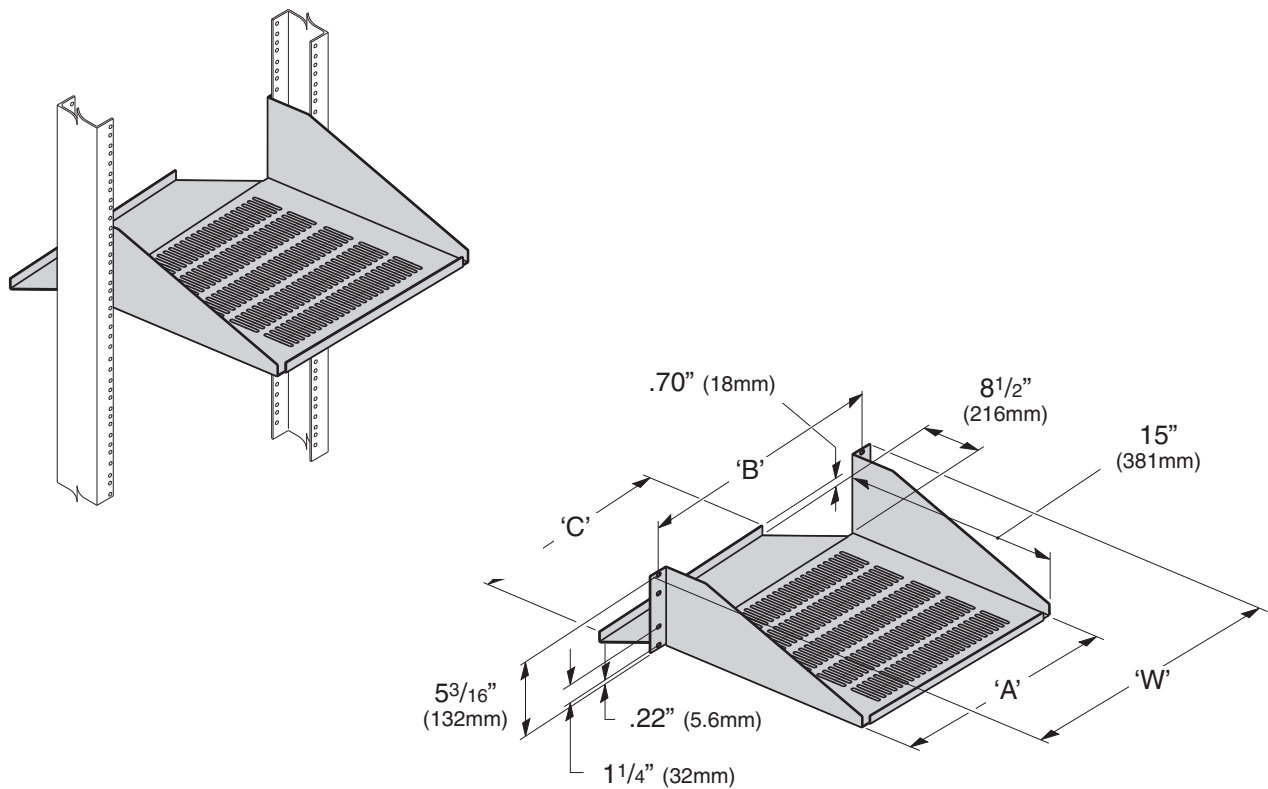
- Use to support monitor and keyboard without requiring additional mounting spaces.
- Three (3) mounting spaces required.
- 100 Lb. (.45kg) load capacity.
- Includes: #12-24 mounting hardware.
- UL 1863 Listed (File No. E171936) as a communications circuit accessory.
- Material: 0.090 thick 5052-H32 aluminum sheet or 14 Gauge ASTM 569 Steel
- Finish ____: Aluminum - Brushed (AL)
Aluminum & Steel - Telco Gray Powder Coat (TG),
Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.



Part Number	Mat'l.	Rack Width 'W'		'A'		'B'		'C'		Weight	
		In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB741S19A	Alum	19"	(482)	17 ⁵ / ₁₆ "	(440)	18 ⁵ / ₁₆ "	(465)	16 ⁵ / ₁₆ "	(414)	5.0	(2.2)
SB741S19S	Steel	19"	(482)	17 ⁵ / ₁₆ "	(440)	18 ⁵ / ₁₆ "	(465)	16 ⁵ / ₁₆ "	(414)	17.3	(7.8)
SB741S23A	Alum	23"	(584)	21 ⁵ / ₁₆ "	(541)	22 ⁵ / ₁₆ "	(567)	20 ⁵ / ₁₆ "	(516)	5.9	(2.7)
SB741S23S	Steel	23"	(584)	21 ⁵ / ₁₆ "	(541)	22 ⁵ / ₁₆ "	(567)	20 ⁵ / ₁₆ "	(516)	17.1	(7.7)

CPU/Monitor Rack Mounted Shelf with Keyboard Extension Ventilated Shelf

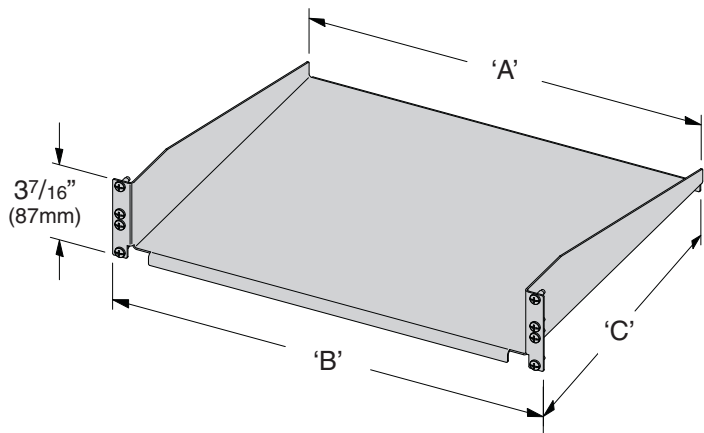
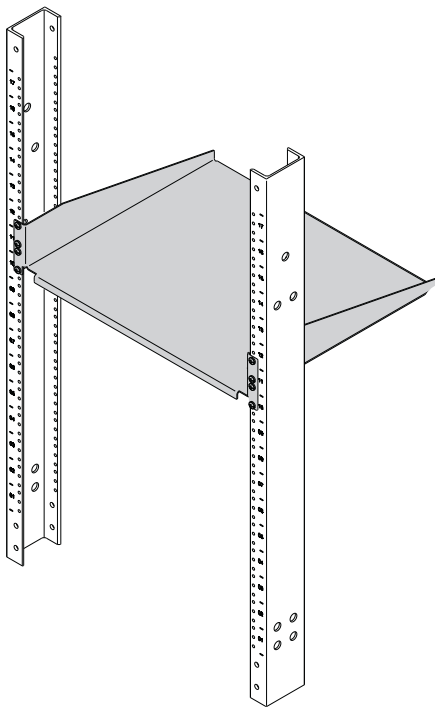
- Use to support monitor and keyboard without requiring additional mounting spaces.
- Three (3) mounting spaces required.
- 100 Lb. (.45kg) load capacity.
- Includes: #12-24 mounting hardware.
- Material: 0.090 thick 5052-H32 aluminum sheet or 14 Gauge ASTM 569 Steel
- Finish ____: Aluminum - Brushed (AL)
Aluminum & Steel - Telco Gray Powder Coat (TG),
Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.



Part Number	Mat'l.	Rack Width 'W'		'A'		'B'		'C'		Weight	
		In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB741V19A__	Alum	19"	(482)	17 ⁵ / ₁₆ "	(440)	18 ⁵ / ₁₆ "	(465)	16 ⁵ / ₁₆ "	(414)	4.5	(2.0)
SB741V19S__	Steel	19"	(482)	17 ⁵ / ₁₆ "	(440)	18 ⁵ / ₁₆ "	(465)	16 ⁵ / ₁₆ "	(414)	13.0	(5.9)
SB741V23A__	Alum	23"	(584)	21 ⁵ / ₁₆ "	(541)	22 ⁵ / ₁₆ "	(567)	20 ⁵ / ₁₆ "	(516)	5.0	(2.2)
SB741V23S__	Steel	23"	(584)	21 ⁵ / ₁₆ "	(541)	22 ⁵ / ₁₆ "	(567)	20 ⁵ / ₁₆ "	(516)	17.3	(7.7)

Single Sided Rack Mounted Shelf - 2U Solid Shelf

- Use to support equipment in a relay rack.
- Two (2) mounting spaces required.
- 100 Lb. (.45kg) load capacity.
- Includes: #12-24 mounting hardware.
- Material: 14 Gauge Steel
- Finish ____: Telco Gray Powder Coat (TG),
Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.



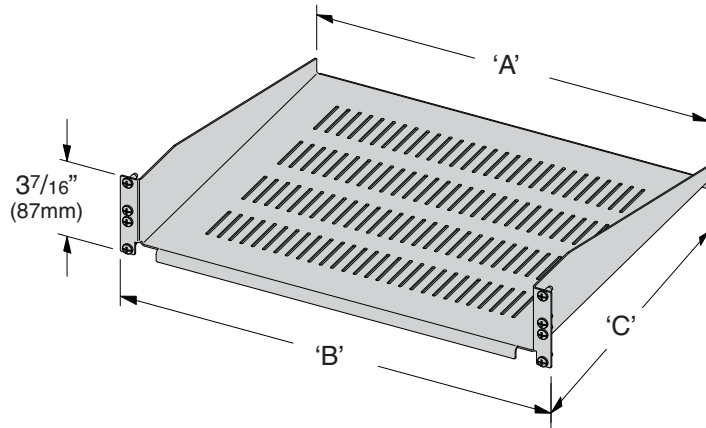
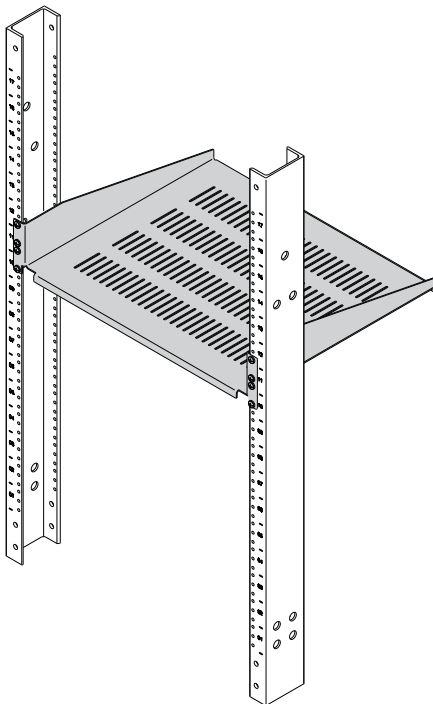
Part Number	Mat'l.	Rack Width 'W'		'A'		'B'		'C'		Weight	
		In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB749S1915S	Steel	19"	(482)	17 ⁵ / ₁₆ "	(440)	19"	(482)	15"	(381)	6.4	(2.9)



FB are popular Bee List items

Single Sided Rack Mounted Shelf - 2U Ventilated Shelf

- Use to support equipment in a relay rack.
- Two (2) mounting spaces required.
- 100 Lb. (.45kg) load capacity.
- Includes: #12-24 mounting hardware.
- Material: 14 Gauge Steel
- Finish ____: Telco Gray Powder Coat (TG),
Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.

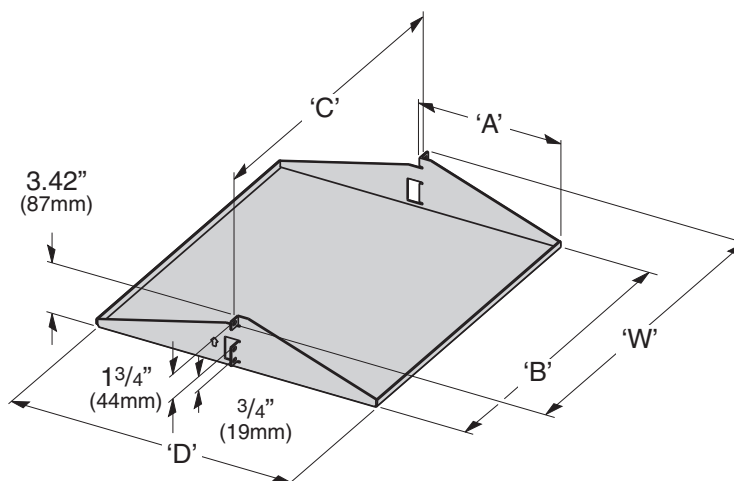
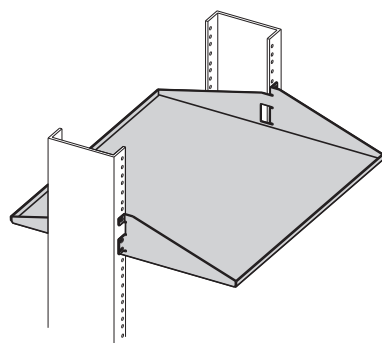


Part Number	Mat'l.	Rack Width 'W'		'A'		'B'		'C'		Weight	
		In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB749V1915S __	Steel	19"	(482)	17 ⁵ / ₁₆ "	(440)	19"	(482)	15"	(381)	5.8	(2.6)

Low Profile Rack Mounted Shelf

Solid Shelf

- Use to center mount networking or other equipment.
- Designed to work with the following mounting spaces:
universal [$\frac{5}{8}$ ", $\frac{5}{8}$ ", $\frac{1}{2}$ " (16mm, 16mm, 13mm)] spacing,
wide [$\frac{1}{4}$ ", $\frac{1}{2}$ " (32mm, 13mm)] spacing or $\frac{1}{2}$ " (25mm) spacing.
- Two (2) mounting spaces required.
- 50 Lb. (.23kg) load capacity.
- Includes: #12-24 mounting hardware.
- UL 1863 Listed (File No. E171936) as a communications circuit accessory.
- Material: 0.090 thick 5052-H32 aluminum sheet or 14 Gauge ASTM 569 Steel
- Finish ____: Aluminum - Brushed (AL)
Aluminum & Steel - Telco Gray Powder Coat (TG),
Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.



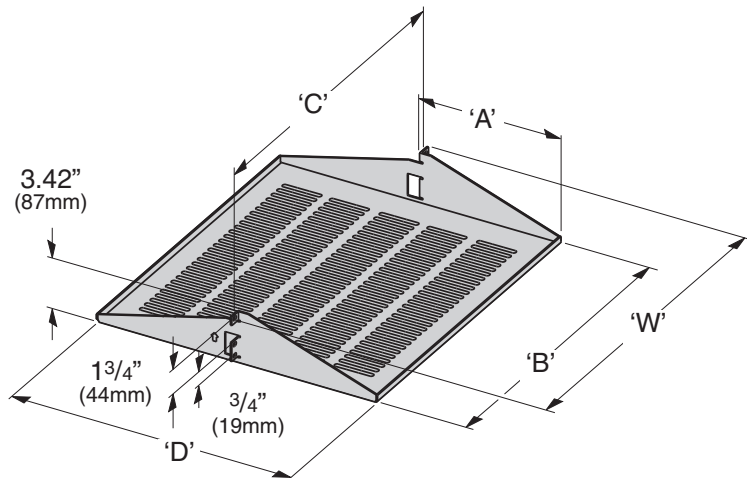
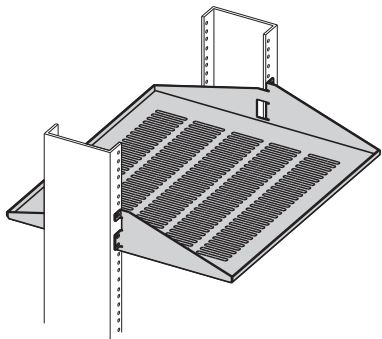
Part Number	Mat'l.	Rack Width 'W'		'A'		'B'		'C'		'D'		Weight	
		In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	(mm)	Lbs.	(kg)	
SB745S1916A	Alum	19"	(482)	8"	(203)	17 1/4"	(438)	18 5/16"	(465)	16"	(406)	3.5	(1.6)
SB745S1916S	Steel	19"	(482)	8"	(203)	17 1/4"	(438)	18 5/16"	(465)	16"	(406)	10.1	(4.6)
SB745S1919A	Alum	19"	(482)	9 1/2"	(241)	17 1/4"	(438)	18 5/16"	(465)	19"	(482)	4.1	(1.8)
SB745S1919S	Steel	19"	(482)	9 1/2"	(241)	17 1/4"	(438)	18 5/16"	(465)	19"	(482)	11.8	(5.3)
SB745S2316A	Alum	23"	(584)	8"	(203)	21 1/4"	(540)	22 5/16"	(567)	16"	(406)	4.1	(1.8)
SB745S2316S	Steel	23"	(584)	8"	(203)	21 1/4"	(540)	22 5/16"	(567)	16"	(406)	11.8	(5.3)
SB745S2319A	Alum	23"	(584)	9 1/2"	(241)	21 1/4"	(540)	22 5/16"	(567)	19"	(482)	4.9	(2.2)
SB745S2319S	Steel	23"	(584)	9 1/2"	(241)	21 1/4"	(540)	22 5/16"	(567)	19"	(482)	14.2	(6.4)



FB is a popular Bee List item

Low Profile Rack Mounted Shelf Ventilated Shelf

- Use to center mount networking or other equipment.
- Designed to work with the following mounting spaces:
universal [5/8", 5/8", 1/2" (16mm, 16mm, 13mm)] spacing,
wide [1 1/4", 1/2" (32mm, 13mm)] spacing or 1/2" (25mm) spacing.
- Two (2) mounting spaces required.
- 50 Lb. (.23kg) load capacity.
- Includes: #12-24 mounting hardware.
- Material: 0.090 thick 5052-H32 aluminum sheet or 14 Gauge ASTM 569 Steel
- Finish ____: Aluminum - Brushed (AL)
Aluminum & Steel - Telco Gray Powder Coat (TG),
Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.



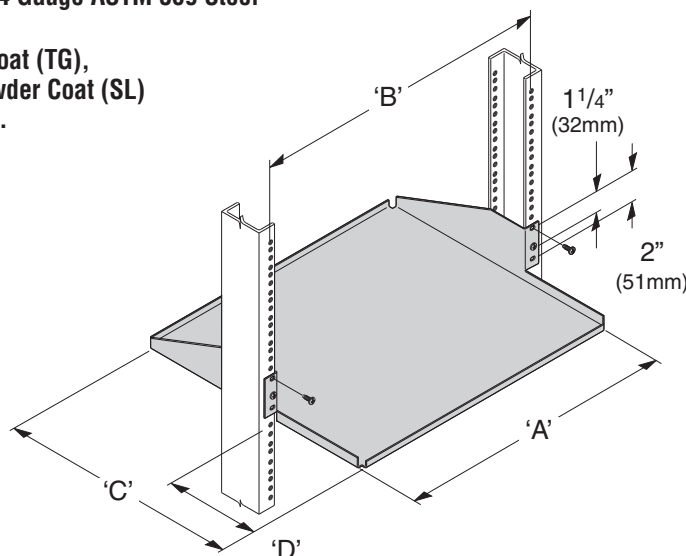
Part Number	Mat'l.	Rack Width 'W'		'A'		'B'		'C'		'D'		Weight	
		In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB745V1916A__	Alum	19"	(482)	8"	(203)	17 1/4"	(438)	18 5/16"	(465)	16"	(406)	3.0	(1.3)
SB745V1916S__	Steel	19"	(482)	8"	(203)	17 1/4"	(438)	18 5/16"	(465)	16"	(406)	8.7	(3.9)
SB745V1919A__	Alum	19"	(482)	9 1/2"	(241)	17 1/4"	(438)	18 5/16"	(465)	19"	(482)	3.7	(1.7)
SB745V1919S__	Steel	19"	(482)	9 1/2"	(241)	17 1/4"	(438)	18 5/16"	(465)	19"	(482)	10.7	(4.8)
SB745V2316A__	Alum	23"	(584)	8"	(203)	21 1/4"	(540)	22 5/16"	(567)	16"	(406)	3.7	(1.7)
SB745V2316S__	Steel	23"	(584)	8"	(203)	21 1/4"	(540)	22 5/16"	(567)	16"	(406)	10.7	(4.8)
SB745V2319A__	Alum	23"	(584)	9 1/2"	(241)	21 1/4"	(540)	22 5/16"	(567)	19"	(482)	4.9	(2.2)
SB745V2319S__	Steel	23"	(584)	9 1/2"	(241)	21 1/4"	(540)	22 5/16"	(567)	19"	(482)	14.2	(6.4)



FB are popular Bee List items

Center Mount Rack Mounted Shelf

- Use to support monitors, CPU's or modems.
- Two (2) mounting spaces required.
- 100 Lb. (0.45kg) load capacity.
- Includes: #12-24 mounting hardware.
- UL 1863 Listed (File No. E171936) as a communications circuit accessory.
- Material: 0.090 thick 5052-H32 aluminum sheet or 14 Gauge ASTM 569 Steel
- Finish ____: Aluminum - Brushed (AL)
Aluminum & Steel - Telco Gray Powder Coat (TG),
Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.



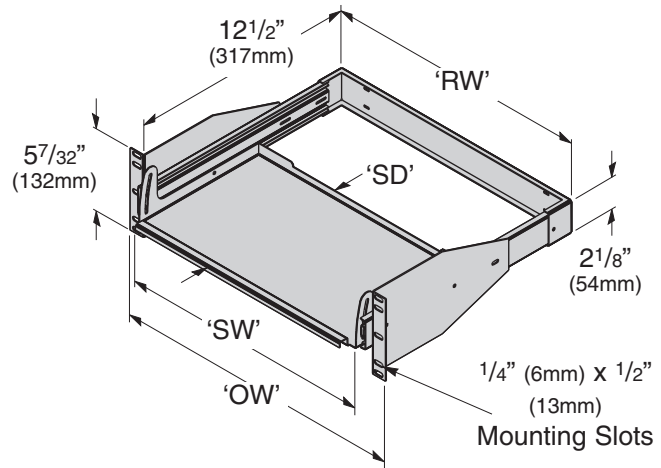
Part Number	Mat'l.	Rack Width		'A'		'B'		'C'		'D'		Weight	
		In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB5961911A	Alum	19"	(482)	17 1/2"	(444)	18 5/16"	(465)	11"	(279)	4"	(101)	2.8	(1.3)
SB5961911S	Steel	19"	(482)	17 1/2"	(444)	18 5/16"	(465)	11"	(279)	4"	(101)	8.1	(3.7)
SB5961913A	Alum	19"	(482)	17 1/2"	(444)	18 5/16"	(465)	13"	(330)	5"	(127)	3.3	(1.5)
SB5961913S	Steel	19"	(482)	17 1/2"	(444)	18 5/16"	(465)	13"	(330)	5"	(127)	9.5	(4.3)
SB5961915A	Alum	19"	(482)	17 1/2"	(444)	18 5/16"	(465)	15"	(381)	6"	(152)	3.7	(1.7)
SB5961915S	Steel	19"	(482)	17 1/2"	(444)	18 5/16"	(465)	15"	(381)	6"	(152)	10.7	(4.8)
SB5961919A	Alum	19"	(482)	17 1/2"	(444)	18 5/16"	(465)	19"	(482)	8"	(203)	4.7	(2.1)
SB5961919S	Steel	19"	(482)	17 1/2"	(444)	18 5/16"	(465)	19"	(482)	8"	(203)	13.6	(6.1)
SB5962311A	Alum	23"	(584)	21 1/2"	(546)	22 5/16"	(567)	11"	(279)	4"	(101)	3.2	(1.4)
SB5962311S	Steel	23"	(584)	21 1/2"	(546)	22 5/16"	(567)	11"	(279)	4"	(101)	9.2	(4.2)
SB5962313A	Alum	23"	(584)	21 1/2"	(546)	22 5/16"	(567)	13"	(330)	5"	(127)	3.8	(1.7)
SB5962313S	Steel	23"	(584)	21 1/2"	(546)	22 5/16"	(567)	13"	(330)	5"	(127)	11.0	(5.0)
SB5962315A	Alum	23"	(584)	21 1/2"	(546)	22 5/16"	(567)	15"	(381)	6"	(152)	4.3	(1.9)
SB5962315S	Steel	23"	(584)	21 1/2"	(546)	22 5/16"	(567)	15"	(381)	6"	(152)	12.4	(5.6)
SB5962319A	Alum	23"	(584)	21 1/2"	(546)	22 5/16"	(567)	19"	(482)	8"	(203)	5.4	(2.4)
SB5962319S	Steel	23"	(584)	21 1/2"	(546)	22 5/16"	(567)	19"	(482)	8"	(203)	15.6	(7.1)



FB are popular Bee List items

Rack Mounted Keyboard Tray, Sliding/Tilting

- Use to mount keyboard allowing adjustment to convenient working angle.
- Slide allows keyboard to be recessed when not in use.
- Two (2) mounting spaces required.
- Up to 50 Lbs. (.23kg) load capacity
- Includes: #12-24 mounting hardware.
- Material: .090 (2.3mm) 5052-H32 aluminum sheet
- Finish ____: Brushed (AL),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.

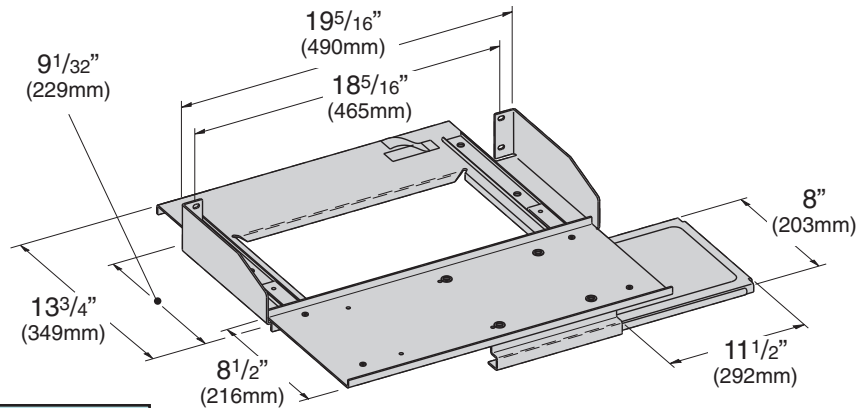


Part Number	Rack Width		Overall Shelf Width 'OW'		Rear Width 'RW'		Shelf Width 'SW'		Shelf Depth 'SD'	
	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)
SB742T19 ____	19"	(482)	18.9"	(480)	17 1/2"	(444)	15"	(381)	9"	(228)
SB742T23 ____	23"	(584)	22.9"	(581)	21 1/2"	(546)	19"	(482)	9"	(228)

Part Number	Shelf Assembly (Closed)		Shelf Assembly (Open)		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB742T19 ____	14 1/2"	(368)	27"	(686)	7.5	(3.4)
SB742T23 ____	18 1/2"	(470)	31"	(787)	8.5	(3.8)

Rack Mounted Keyboard Tray, Sliding With Mouse Tray

- Designed to support a keyboard and mouse from the equipment rack.
- Rack mounting hardware included.
- Self-adhesive Velcro® wire management wrap included to contain keyboard cord.
- Material: Aluminum
- Finish ____: Brushed (AL), Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB)
Other finishes are available upon request.

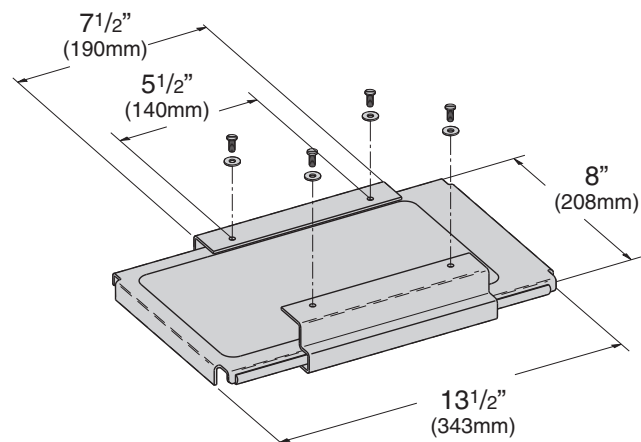


Part Number	Rack Width		Weight	
	In.	(mm)	Lbs.	(kg)
SB742M19__	19"	(482)	7.4	(3.3)
SB742M23__	23"	(584)	8.0	(3.6)

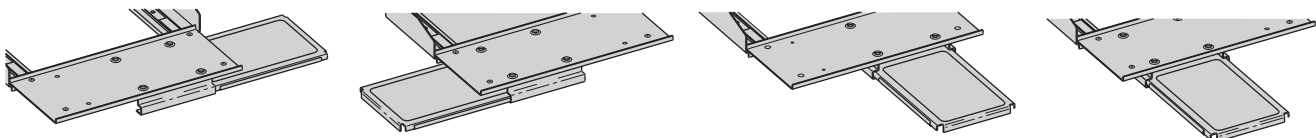
Mouse Tray Kit for Retrofit on SB743KB

- Mouse tray may be mounted in four ways as shown below.
- Mounting hardware included.
- Material: Aluminum
- Finish ____: Brushed (AL)
Telco Gray Powder Coat (TG), Flat Black Powder Coat (FB) or Computer White Powder Coat (CW)

Part Number	Weight	
	Lbs.	(kg)
SB743M__	2.0	(0.9)

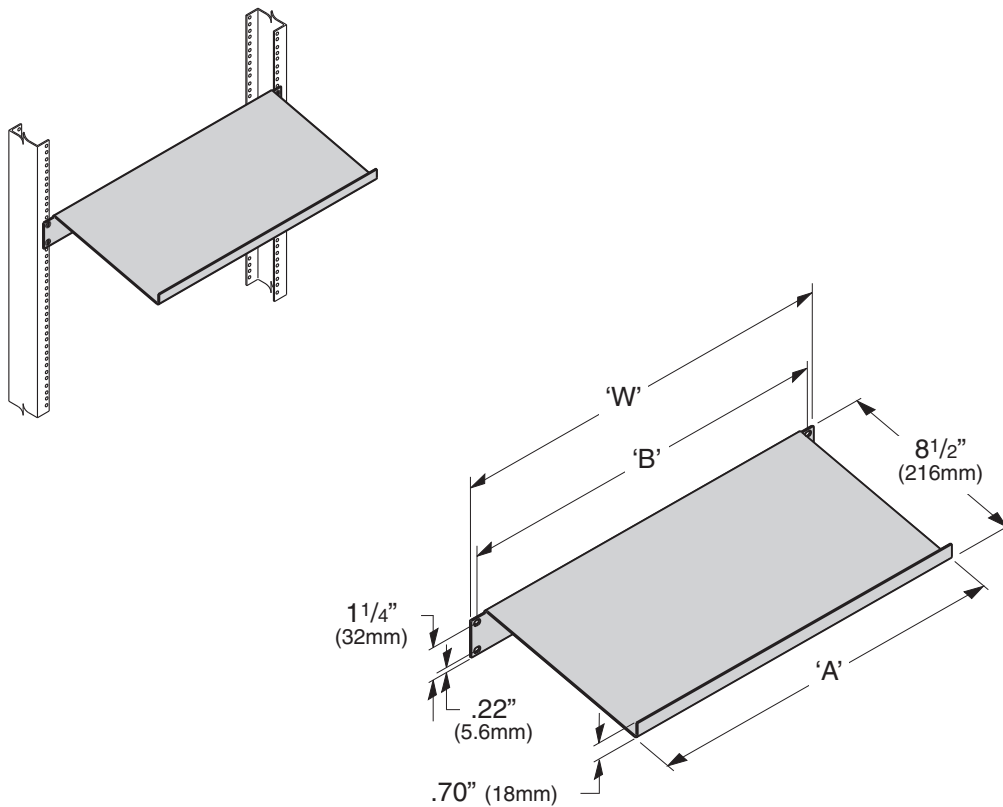


4 Mounting Positions



Fixed Keyboard Shelf

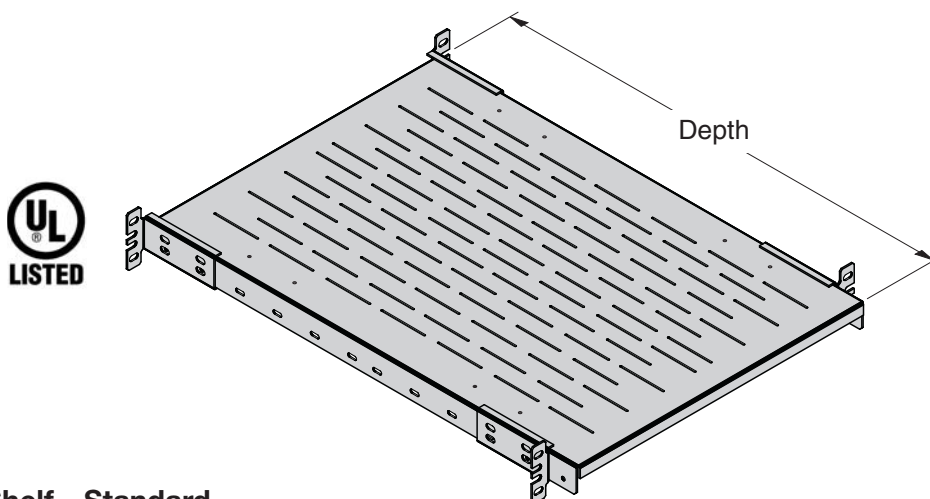
- Use to support keyboard at a convenient and accessible angle.
- One (1) mounting space required.
- Includes: #12-24 mounting hardware.
- Material: 5052-H32 aluminum sheet .090 (2.3mm)
- Finish ____: Brushed (AL)
 Telco Gray Powder Coat (TG) or
 Flat Black Powder Coat (FB)
 Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.



Part Number	Rack Width 'W'		'A'		'B'		Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB74019 __	19"	(482)	17 ⁵ / ₁₆ "	(440)	18 ⁵ / ₁₆ "	(465)	1.8	(0.8)
SB74023 __	23"	(584)	21 ⁵ / ₁₆ "	(541)	22 ⁵ / ₁₆ "	(567)	2.2	(1.0)

4-Post Rack Shelves - Fixed 19" Rack Mount

- Adjustable shelf mounting brackets offer unlimited placement options.
- Designed with flow through perforations on both sides of the shelf for maximum equipment ventilation.
- Uses one (1) rack mount unit (RMU) of space - 1³/₄" (44.4mm).
- Standard shelf rated for 150 Lb. (68kg) load capacity.
- Heavy duty shelf rated for 350 Lb. (159kg) load capacity.
- E2SHH Series heavy duty shelves UL Listed (File No. E171936) as a communications circuit accessory.
- Includes: #12-24 mounting hardware.
- UL Listed for heavy duty version only.
- Material: 14 Gauge (1.9mm) Steel Sheet
- Finish ____: Flat Black Powder Coat (FB), Telco Gray Powder Coat (TG), or Silver Powder Coat (SL)
- Ordering: Specify part number and finish abbreviation.

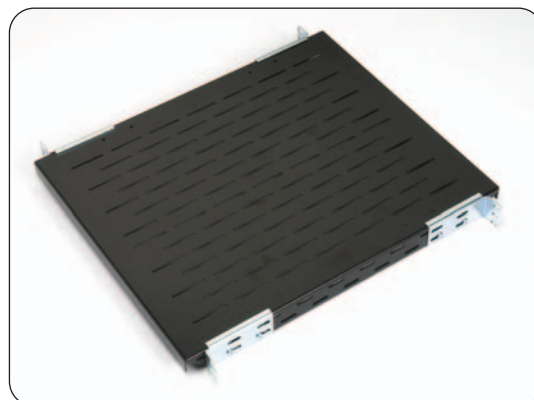


Fixed Shelf - Standard

Part Number	Shelf Depth		Weight	
	In.	(mm)	Lbs.	(kg)
E2SH4P1920__	20"	(508)	12.0	(5.4)
E2SH4P1924__	24"	(610)	14.4	(6.5)
E2SH4P1930__	30"	(762)	18.0	(8.2)
E2SH4P1936__	36"	(914)	21.6	(9.8)

Fixed Shelf - Heavy Duty

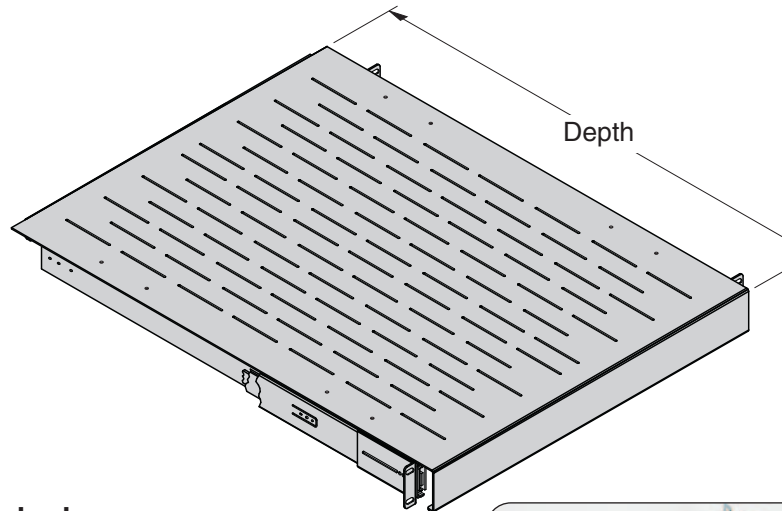
Part Number	Shelf Depth		Weight	
	In.	(mm)	Lbs.	(kg)
E2SHH4P1920__	20"	(508)	14.0	(6.4)
E2SHH4P1924__	24"	(610)	16.8	(7.6)
E2SHH4P1930__	30"	(762)	21.0	(9.5)
E2SHH4P1936__	36"	(914)	25.2	(11.4)



FB is a popular Bee List item

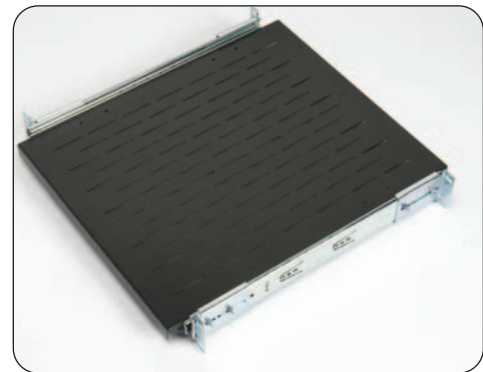
4-Post Rack Shelves - Sliding 19" Rack Mount

- Adjustable shelf mounting brackets offer unlimited placement options.
- Sliding shelves can be fully extended for easy access to equipment.
- Designed with flow through perforations on both sides of the shelf for maximum equipment ventilation.
- Uses one (1) rack mount unit (RMU) of space - 1³/₄" (44.4mm).
- Standard shelf rated for 150 Lb. (68kg) load capacity.
- Heavy duty shelf rated for 200 Lb. (91kg) load capacity.
- Includes: #12-24 mounting hardware.
- Material: 14 Gauge (1.9mm) Steel Sheet
- Finish ____: Flat Black Powder Coat (FB), Telco Gray Powder Coat (TG), or Silver Powder Coat (SL)
- Ordering: Specify part number and finish abbreviation.



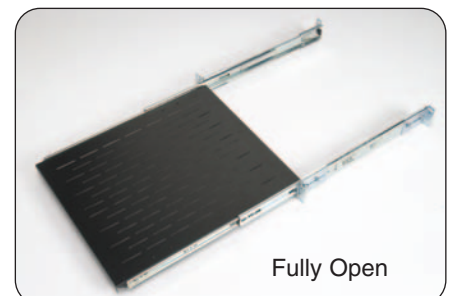
Sliding Shelf - Standard

Part Number	Shelf Depth		Weight	
	In.	(mm)	Lbs.	(kg)
E2SHSS1920__	20"	(508)	13.6	(6.2)
E2SHSS1924__	24"	(610)	16.3	(7.4)
E2SHSS1930__	30"	(762)	20.4	(9.3)
E2SHSS1936__	36"	(914)	21.6	(9.8)



Sliding Shelf - Heavy Duty

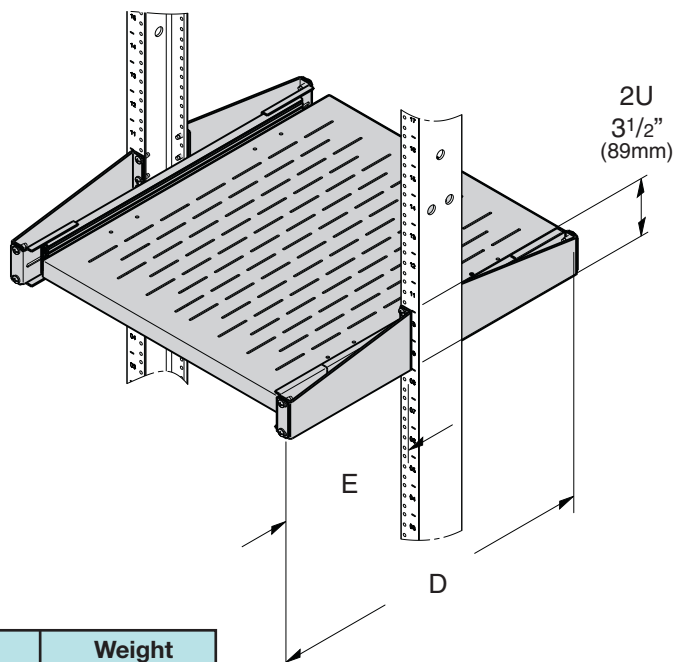
Part Number	Shelf Depth		Weight	
	In.	(mm)	Lbs.	(kg)
E2SHHSS1920__	20"	(508)	15.6	(7.1)
E2SHHSS1924__	24"	(610)	18.7	(8.5)
E2SHHSS1930__	30"	(762)	23.4	(10.6)
E2SHHSS1936__	36"	(914)	28.1	(12.7)



FB & AL are popular Bee List items

2-Post Rack Shelves - Sliding 19" Rack Mount

- Sliding shelf and bracket kit for mounting 20" (508mm) or 24" (609mm) deep sliding shelves on to 3" (76mm) upright two-post racks.
- Includes sliding shelf, two (2) left and two (2) right sided mounting brackets, and (24) #12-24 x 5/8" long dog point mounting screws.
- Bracket only kit with hardware available.
- Equipment racks should be anchored to the floor or otherwise secured when using this kit.
- Supports up to 150 Lbs. (68kg).
- Requires three (3) rack mount units (RMU) of space.
- Material: 11 Gauge (3.0mm) Steel
- Finish ____: Flat Black Powder Coat (FB), Telco Gray Powder Coat (TG), Computer White Powder Coat (CW), or Silver Powder Coat (SL)



Bracket & Hardware with Sliding Shelf

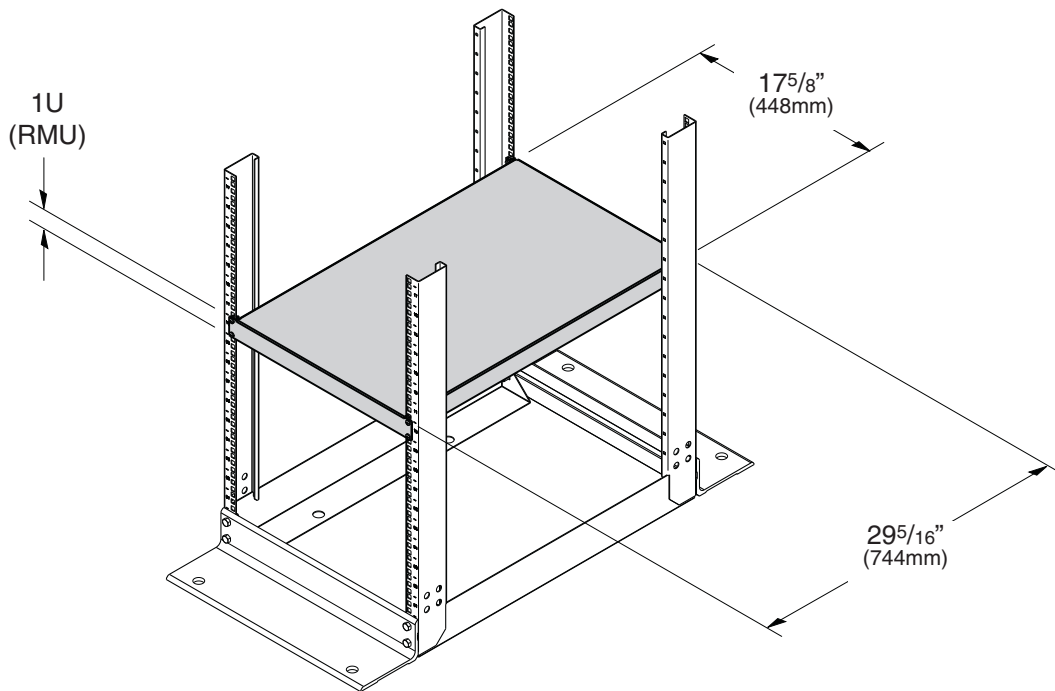
Part Number	'D'		'E'		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
E2556SSH20__	20"	(508)	8 1/2"	(216)	18.0	(8.2)
E2556SSH24__	24"	(610)	10 1/2"	(267)	20.5	(9.3)

Bracket Only with Hardware

Part Number	Weight	
	Lbs.	(kg)
E2556SHBRKT__	4.0	(1.8)

Solid Shelf Kit - 19" Rack Mount For SB836 Series Four-Post Racks

- Installs at any location vertically along four post rack offering unlimited placement options.
- Uses one (1) rack mount unit (RMU) of space - $1\frac{3}{4}$ " (44.4mm).
- Includes: #12-24 mounting hardware, cage nuts and removable rivets.
- Shelf rated for 100 Lb. (45kg) load capacity.
- Material: 14 Gauge (1.9mm) Steel Sheet
- Finish ____: Flat Black Powder Coat (FB), Telco Gray Powder Coat (TG), or Silver Powder Coat (SL)
- Ordering: Specify part number and finish abbreviation.



Solid Shelf Kit

Part Number	Shelf Depth		Weight	
	In.	(mm)	Lbs.	(kg)
E4PFSS1929__	29"	(736)	13.7	(6.2)

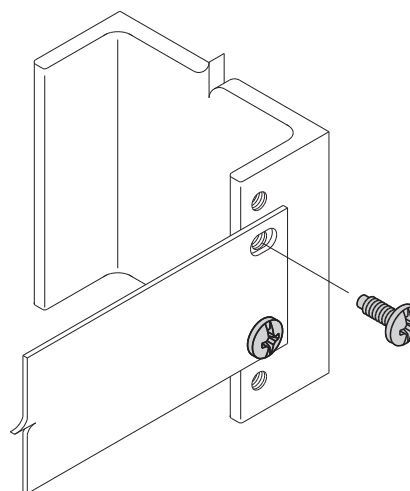
Mounting Screws

- Use with equipment racks and equipment frames.
- #12-24 x 5/8" (16mm) screw size.
- Combination head design.
- Dog point to minimize cross threading.
- Sold in packages of 50.
- Material: SAE J429 Grade 5 steel
- Finish___: Clear Zinc (ZN) or Black Zinc (BZ)

Part Number	Weight	
	Lbs.	(kg)
SB58604 ___	0.40	(0.18)



Popular Bee List item



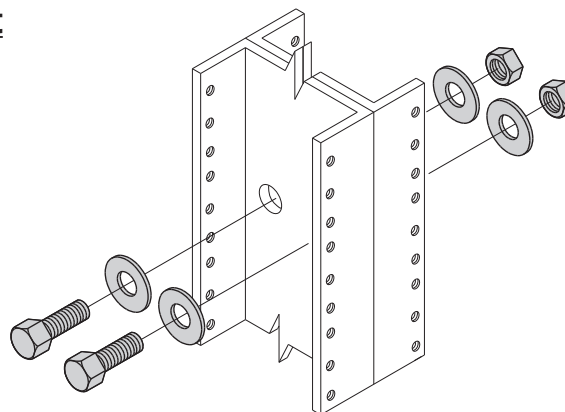
Network Equipment Rack Junction Kit

- Use to join two network equipment racks side by side.
- Includes: (4) 3/8"-16 x 1" (25mm) HHCS, (8) 3/8" flat washers and (4) 3/8"-16 hex nuts.
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)

Part Number	Weight	
	Lbs.	(kg)
SB58704 ___	0.25	(0.11)

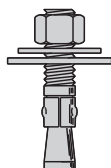


Popular Bee List item



Network Equipment Rack Anchor Kit

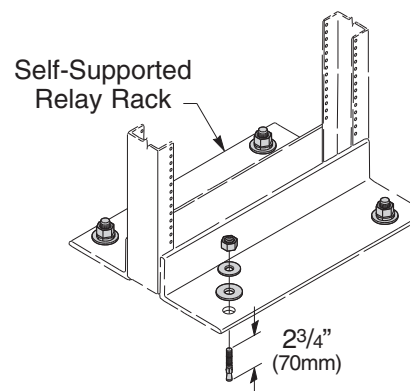
- Use for anchoring network equipment racks to concrete.
- Includes: 3/8"-16 x 2 3/4" (70mm) wedge anchors and hardware.
- Finish: Clear Zinc (ZN)



Part Number	Relay Rack Type	Anchor Quantity	Weight	
			Lbs.	(kg)
SB588A	Self Supported	4	0.46	(0.21)



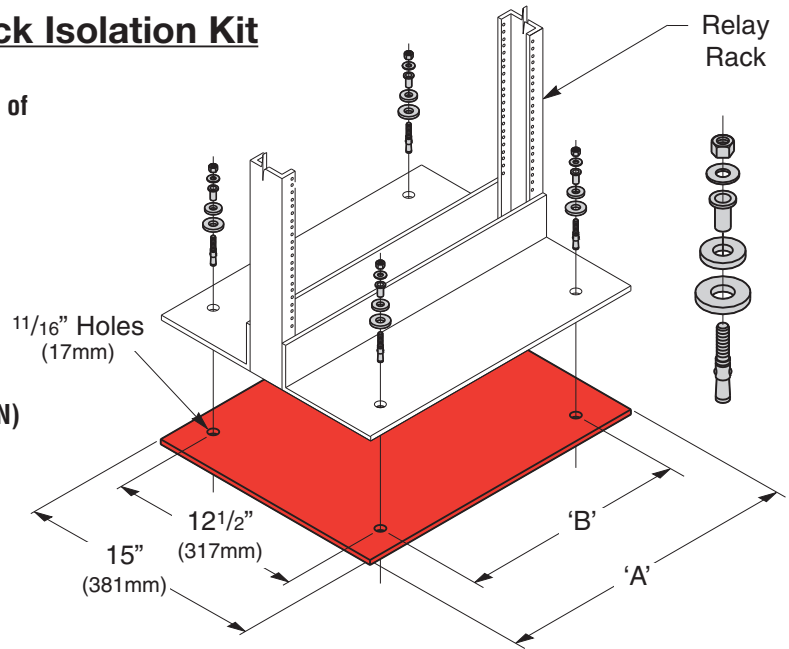
Popular Bee List item



For additional anchoring options, see page 259.

Self Supported Equipment Rack Isolation Kit

- Use to anchor and provide electrical isolation of self supported equipment rack from concrete.
- Includes: (1) isolation pad, (4) sleeve kits, (4) $\frac{3}{8}$ "-16 x $2\frac{3}{4}$ " (70mm) wedge anchors and hardware.
- Material: Polyester fiberglass - pad
Steel - anchors and hardware
6/6 Nylon - sleeve
- Finish: Pad - Red
Sleeve - Natural
Anchors and hardware - Clear Zinc (ZN)



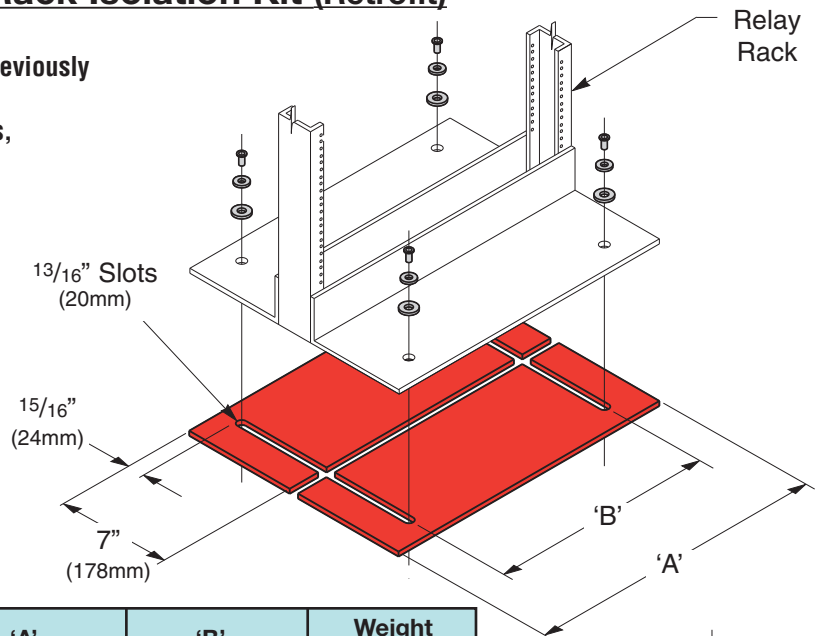
Part Number	Rack Width		'A'		'B'		Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB254101	19"	(483)	20 $\frac{5}{16}$ "	(516)	16"	(406)	2.47	(1.12)
SB254102	23"	(584)	24 $\frac{5}{16}$ "	(617)	20"	(508)	2.86	(1.30)



Popular Bee List item

Self Supported Equipment Rack Isolation Kit (Retrofit)

- Use to provide electrical isolation on a previously installed self supported equipment rack.
- Includes: (1) isolation pad, (4) sleeve kits, (4) $\frac{7}{16}$ " flat washers.
- Anchors not included.
- Material: Polyester fiberglass - pad
6/6 Nylon - sleeve
steel - flat washers
- Finish: Pad - Red
Sleeve - Natural
Flat washers - Yellow
Zinc (YZ)



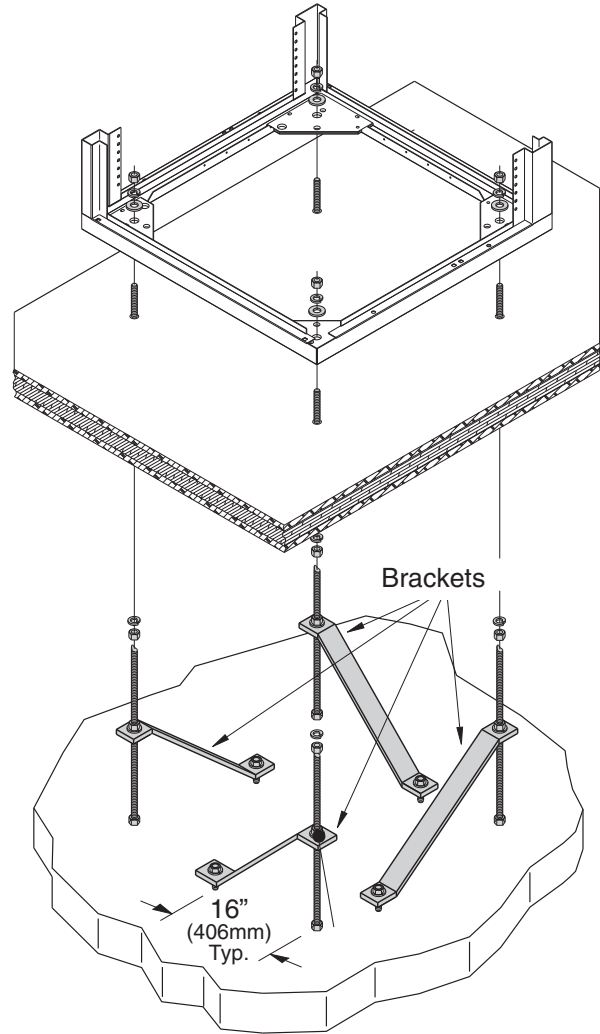
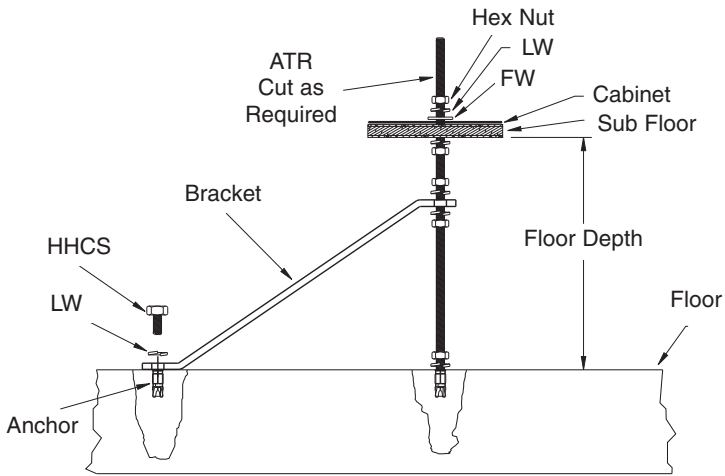
Part Number	Rack Width		'A'		'B'		Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB254401	19"	(483)	20 $\frac{5}{16}$ "	(516)	16"	(406)	1.80	(0.82)
SB254402	23"	(584)	24 $\frac{5}{16}$ "	(617)	20"	(508)	2.20	(1.00)



Popular Bee List item

Raised Floor Support Kit For Four-Post Racks and Electronic Enclosures

- Used to support racks or enclosures installed on 4" (101mm) to 32" (813mm) high raised floors.
- Kit includes four (4) $\frac{3}{8}$ " (9.5mm) x $1\frac{3}{4}$ " (44.4mm) steel "Z" brackets, four (4) pre-cut all threaded rod pieces, anchors and mounting hardware.
- All mounting hardware - zinc plated.
- Bracket Finishes: Flat Black Powder Coat (FB), Telco Gray Powder Coat (TG), or Yellow Zinc Plated (YZ)
- Application: Used with four-post racks or electronic enclosures.

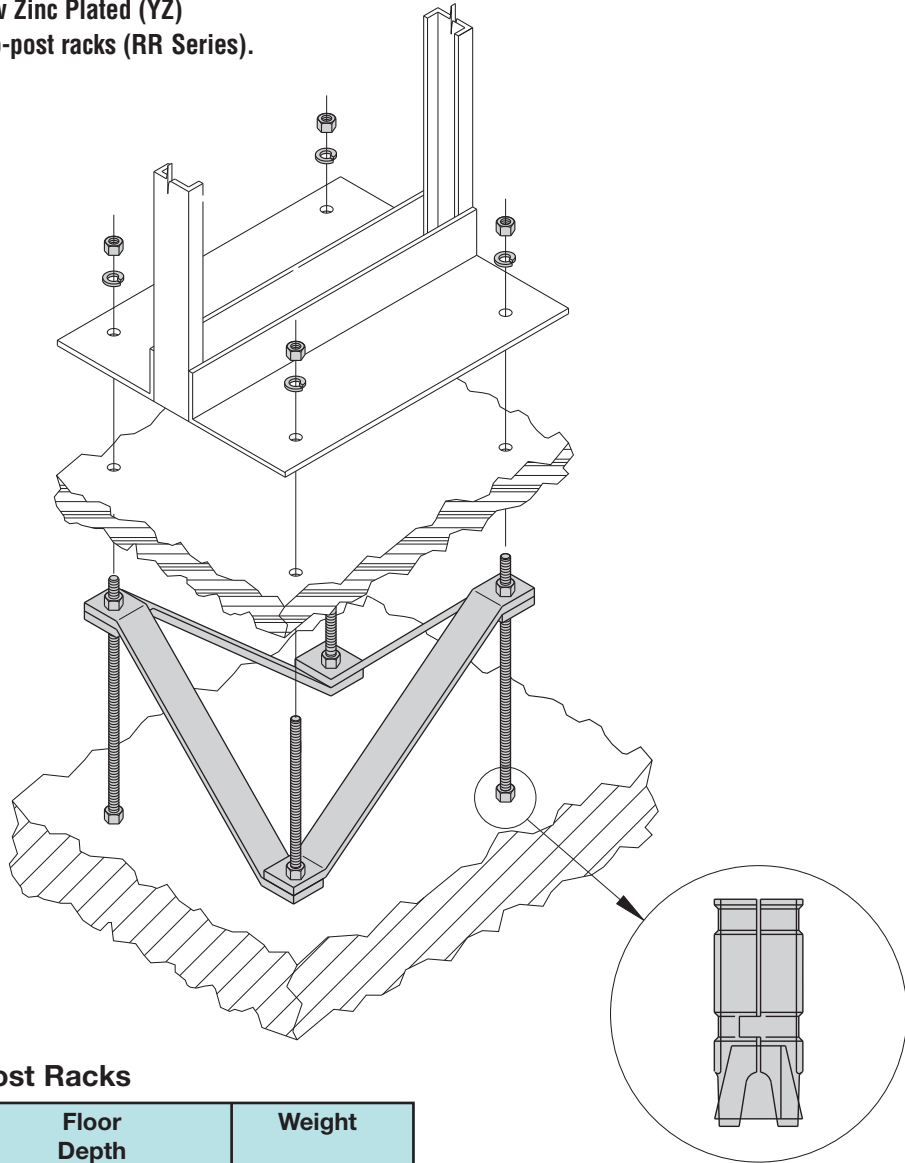


Kits for 4-Post Racks & Electronic Enclosures

Part Number	Floor Depth		Weight	
	In.	(mm)	Lbs.	(kg)
ERFS10	4" to 10"	(101 to 254)	25.0	(11.3)
ERFS16	10" to 16"	(254 to 406)	27.0	(12.2)
ERFS22	16" to 22"	(406 to 559)	29.0	(13.1)
ERFS28	22" to 28"	(559 to 711)	32.0	(14.5)
ERFS32	28" to 32"	(711 to 813)	33.0	(14.9)

Raised Floor Support Kit For Two-Post Racks

- Used to support racks on 4" (101mm) to 32" (813mm) high raised floors.
- Kit includes four (4) $\frac{3}{8}$ " (9.5mm) x $1\frac{3}{4}$ " (44.4mm) steel "Z" brackets, four (4) pre-cut all threaded rod pieces, anchors and mounting hardware.
- All mounting hardware - zinc plated.
- Bracket Finishes: Flat Black Powder Coat (FB),
Telco Gray Powder Coat (TG),
or Yellow Zinc Plated (YZ)
- Application: Used with two-post racks (RR Series).

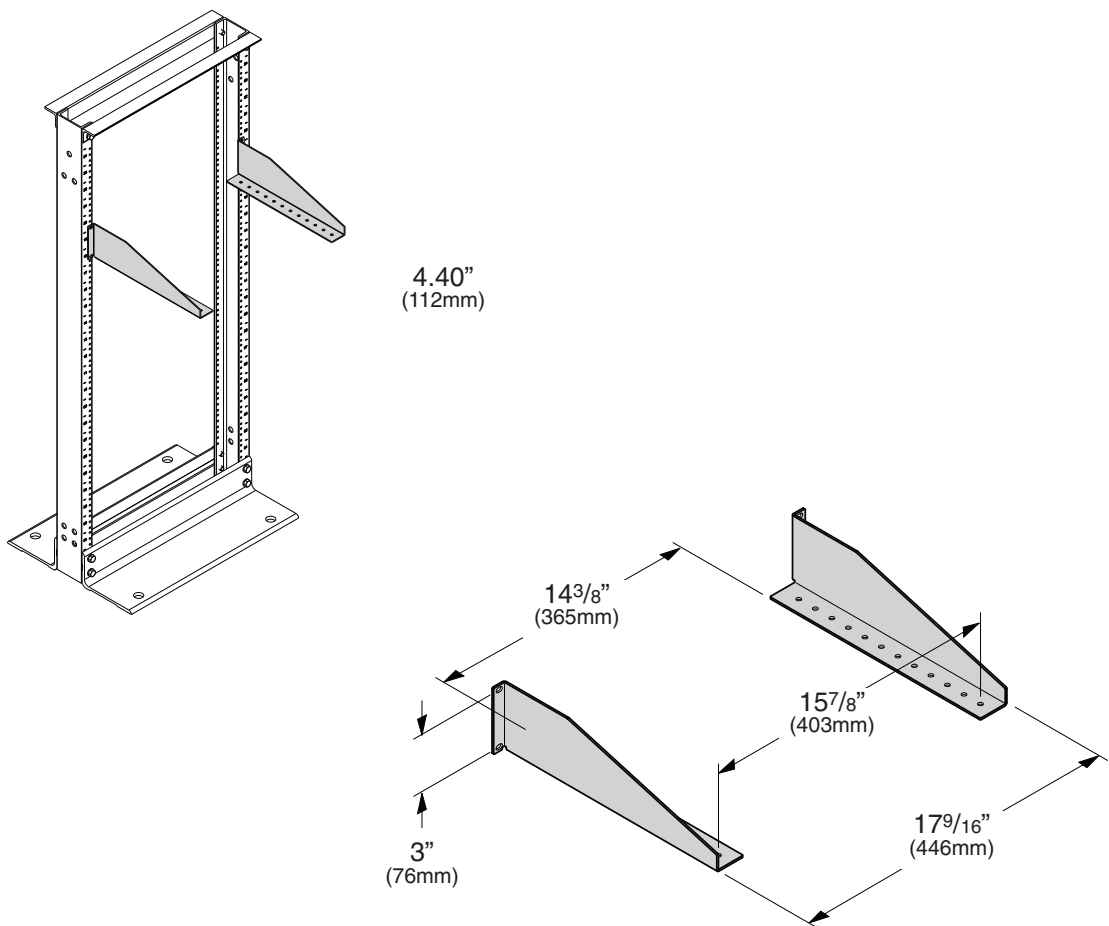


Kits for 19" Wide 2-Post Racks

Part Number	Floor Depth		Weight	
	In.	(mm)	Lbs.	(kg)
RRFS1910	4" to 10"	(101 to 254)	25.0	(11.3)
RRFS1916	10" to 16"	(254 to 406)	27.0	(12.2)
RRFS1922	16" to 22"	(406 to 559)	29.0	(13.1)
RRFS1928	22" to 28"	(559 to 711)	32.0	(14.5)
RRFS1932	28" to 32"	(711 to 813)	33.0	(14.9)

Equipment Support Bracket For Two-Post Rack Applications

- Used to provide additional support to heavy equipment installed in two-post rack applications.
- Made of .100 (2.5mm) aluminum.
- Includes left and right brackets, and mounting hardware.
- Dimensions: 13" (330mm) long x 1.6" (40mm) support flange.
- Finish __: Brushed (AL), Flat Black Powder Coat (FB) or Telco Gray Powder Coat (TG)

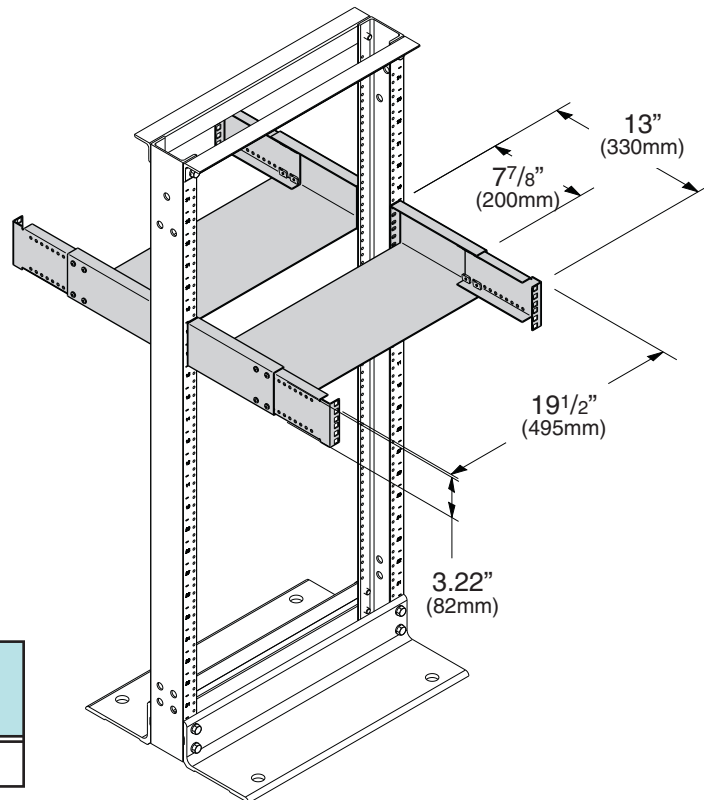
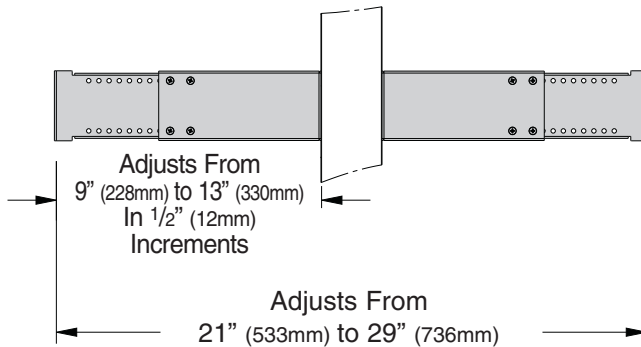


Equipment Support Bracket

Part Number	Weight	
	Lbs.	(kg)
RESB__	1.5	(0.68)

Server Support Bracket For Two-Post Rack Applications

- Used to mount 19" wide server equipment into tapped hole two-post racks.
- Includes two (2) support pans, four (4) fully adjustable support arms and required assembly hardware.
- Square mounting holes for cage nuts (cage nuts sold separately).
- Adjustable from 7.9" (200mm) to 13" (330mm) from the front of the rack.
- Requires two (2) mounting spaces - 3 1/2" (89mm).
- Made of 14 gauge (1.9mm) steel
- Finish ____: Flat Black Powder Coat (FB), Telco Gray Powder Coat (TG), or Silver Powder Coat (SL)

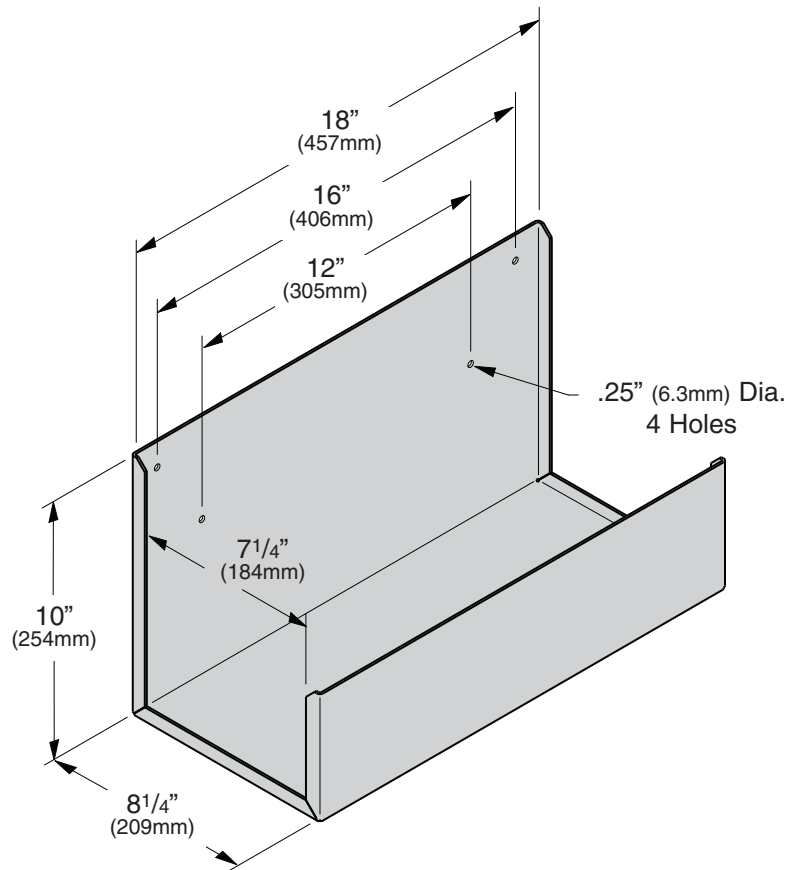


Server Support Bracket

Part Number	Weight	
	Lbs.	(kg)
RSB2U__	11.3	(5.12)

Wall-Mounted CPU Shelf

- Designed to support CPU tower up to 36 lbs. (20kg).
- Can be utilized for placement convenience or to protect from ground level environmental hazards.
- Mounting holes placed at 12" (305mm) and 16" (406mm) to accommodate various installations.
- Lightweight, welded aluminum construction (5052-H32).
- Finish: Brushed (AL), Flat Black Powder Coat (FB) or Telco Gray Powder Coat (TG)
- Other finishes available upon request.
- Mounting hardware not included.



Wall-Mount CPU Tower Shelf

Part Number	Weight	
	Lbs.	(kg)
RWCPUS__	3.8	(1.72)

Document Drawers

5" (127mm) Deep

- Designed to store important equipment, installation and service information, or magnetic media used for backup.
- Drawers are offered in locking or non-locking styles.
- Drawer capacity is 100 lbs. (45.4mm).
- Comes complete with hardware.
- Finish __: Flat Black Powder Coat (FB) or Telco Gray Powder Coat (TG)

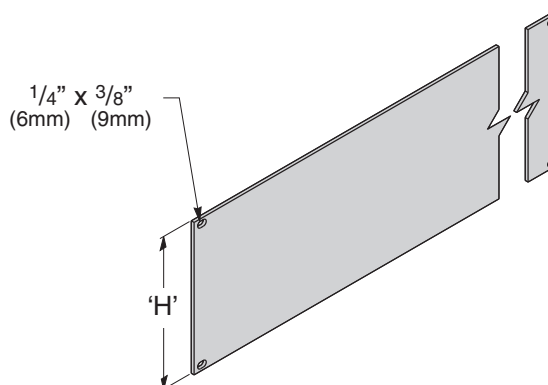


Document Drawers

Part Number	Drawer Style	Width		Minimum Cabinet Depth		Weight	
		in.	(mm)	in.	(mm)	Lbs.	(kg)
E2SHDRW19205__	No Lock	19"	(482)	24"	(609)	18.0	(8.1)
E2SHDRWL19205__	Lock	19"	(482)	24"	(609)	18.0	(8.1)
E2SHDRW23205__	No Lock	23"	(584)	24"	(609)	20.0	(9.1)
E2SHDRWL23205__	Lock	23"	(584)	24"	(609)	20.0	(9.1)
E2SHDRW19245__	No Lock	19"	(482)	26"	(660)	20.0	(9.1)
E2SHDRWL19245__	Lock	19"	(482)	26"	(660)	20.0	(9.1)
E2SHDRW23245__	No Lock	23"	(584)	26"	(660)	25.0	(11.3)
E2SHDRWL23245__	Lock	23"	(584)	26"	(660)	25.0	(11.3)
E2SHDRW19305__	No Lock	19"	(482)	32"	(813)	23.0	(10.4)
E2SHDRWL19305__	Lock	19"	(482)	32"	(813)	23.0	(10.4)
E2SHDRW23305__	No Lock	23"	(584)	32"	(813)	27.8	(12.6)
E2SHDRWL23305__	Lock	23"	(584)	32"	(813)	27.8	(12.6)

Blank Filler Panel

- Use to close unused mounting spaces in 19" (483mm) or 23" (584mm) racks.
- Accommodates 1 to 10 mounting spaces (other sizes are available on request).
- Includes: #12-24 mounting hardware.
- 5052-H32 aluminum - 0.09 (2.3mm) thick
- Finish ____: Brushed (AL)
Telco Gray Powder Coat (TG),
Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.



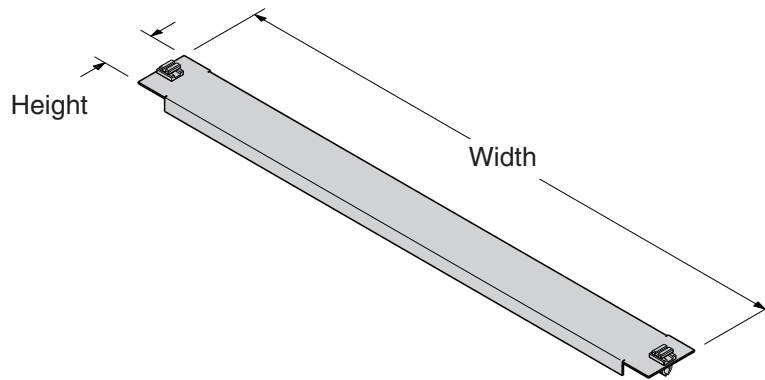
Part Number	Rack Width		'H' Height		Mounting Spaces	Mounting Screws	Weight	
	In.	(mm)	In.	(mm)			Lbs.	(kg)
 SB5771901__	19"	(483)	1 ¹¹ / ₁₆ "	(43)	1	4	.58	(0.18)
 SB5771902__	19"	(483)	3 ⁷ / ₁₆ "	(87)	2	4	1.17	(0.32)
SB5771903__	19"	(483)	5 ³ / ₁₆ "	(132)	3	4	1.75	(0.50)
SB5771904__	19"	(483)	6 ¹⁵ / ₁₆ "	(176)	4	4	2.33	(0.68)
SB5771905__	19"	(483)	8 ¹¹ / ₁₆ "	(220)	5	4	2.91	(1.32)
SB5771906__	19"	(483)	10 ⁷ / ₁₆ "	(265)	6	8	3.50	(1.59)
SB5771907__	19"	(483)	12 ³ / ₁₆ "	(309)	7	8	4.08	(1.85)
SB5771908__	19"	(483)	13 ¹⁵ / ₁₆ "	(354)	8	8	4.66	(2.11)
SB5771909__	19"	(483)	15 ¹¹ / ₁₆ "	(398)	9	8	5.24	(2.37)
SB5771910__	19"	(483)	17 ⁷ / ₁₆ "	(443)	10	8	5.82	(2.64)
SB5772301__	23"	(584)	1 ¹¹ / ₁₆ "	(43)	1	4	0.71	(0.32)
SB5772302__	23"	(584)	3 ⁷ / ₁₆ "	(87)	2	4	1.41	(0.50)
SB5772303__	23"	(584)	5 ³ / ₁₆ "	(132)	3	4	2.12	(0.68)
SB5772304__	23"	(584)	6 ¹⁵ / ₁₆ "	(176)	4	4	2.83	(1.28)
SB5772305__	23"	(584)	8 ¹¹ / ₁₆ "	(220)	5	4	3.54	(1.60)
SB5772306__	23"	(584)	10 ⁷ / ₁₆ "	(265)	6	8	4.25	(1.93)
SB5772307__	23"	(584)	12 ³ / ₁₆ "	(309)	7	8	4.96	(2.25)
SB5772308__	23"	(584)	13 ¹⁵ / ₁₆ "	(354)	8	8	5.77	(2.62)
SB5772309__	23"	(584)	15 ¹¹ / ₁₆ "	(398)	9	8	6.48	(2.94)
SB5772310__	23"	(584)	17 ⁷ / ₁₆ "	(443)	10	8	7.19	(3.26)



FB & AL are popular Bee List items

Quick Fit Blanking Panel

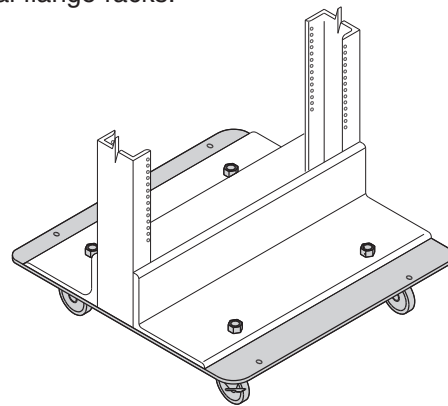
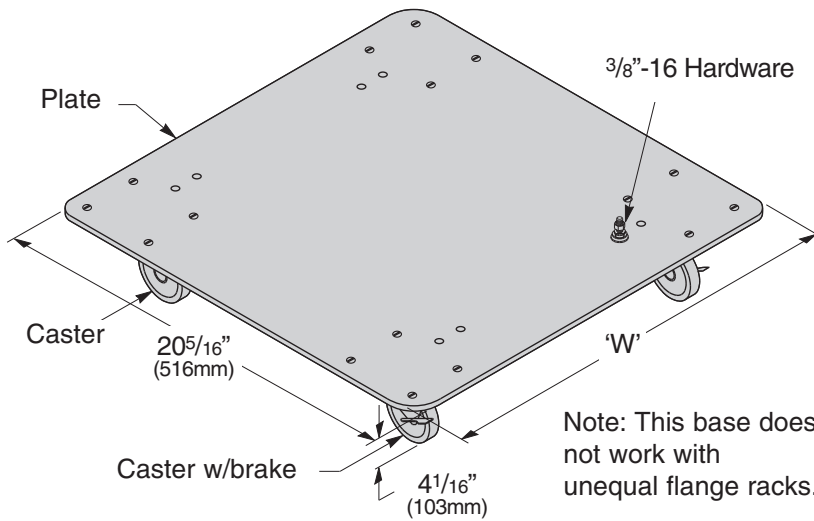
- Use to prevent air recirculation in electronic enclosures by blocking off unused rack mounting space which maximizes cooling efficiency.
- For use with EIA square hole mounting rails.
- Tool-less quarter turn polycarbonate latches for quick installation and removal.
- Panel made of 17 gauge (1.3mm) steel.
- Available in 1U, 2U, and 5U heights.
- Finish: Flat Black Powder Coat (FB)



Part Number	Width		Height		Mounting Spaces	Weight	
	In.	(mm)	In.	(mm)		Lbs.	(kg)
PPS1UQFB	19"	(483)	1 ³ / ₄ "	(44)	1	0.60	(0.27)
PPS2UQFB	19"	(483)	3 ¹ / ₂ "	(89)	2	1.00	(0.46)
PPS5UQFB	19"	(483)	8 ³ / ₄ "	(222)	5	2.40	(1.09)

Heavy Duty Caster Base

- Allows for mobility of two-post network equipment racks.
- 800 lbs. (365kg) load capacity.
- Includes: (1) base, (4) casters (2 with brakes) and hardware.
- Material: 1/4" (6mm) ASTM A36 structural steel
- Finish___:
Flat Black Powder Coat (FB),
Telco Gray Powder Coat (TG),
Computer White Powder Coat (CW) or
Silver Powder Coat (SL)



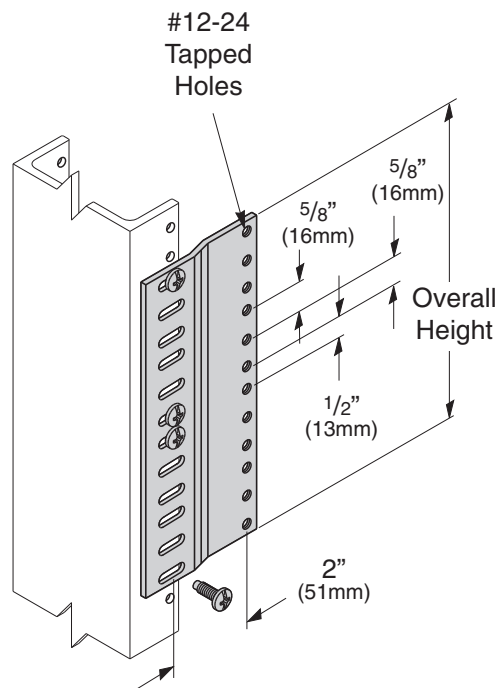
Part Number	Rack Width		'W'		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
 SB59819___	19"	(482)	20 ⁵ / ₁₆ "	(516)	45	(20)
SB59823___	23"	(584)	24 ⁵ / ₁₆ "	(643)	51	(23)



FB are popular Bee List items

23" Equipment Rack to 19" Panel Mount Adapter Plate

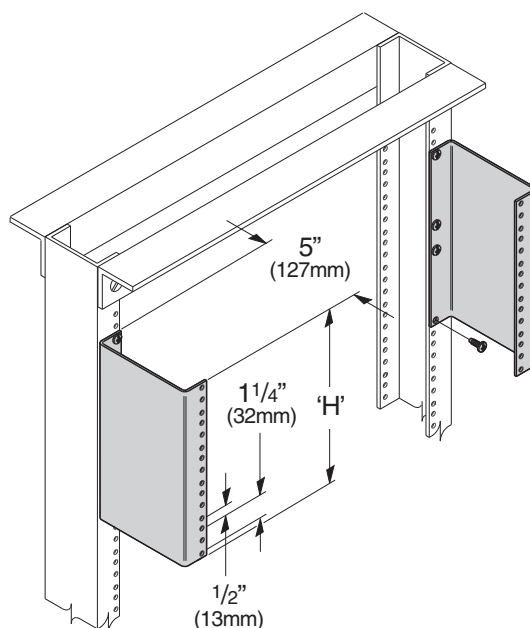
- Use to mount 19" (483mm) equipment with 1³/₄" (44mm) mounting space configuration on 23" (584mm) racks with 1³/₄" (44mm) mounting space configuration.
- Accommodates 1 to 8 mounting spaces. Special sizes are available.
- #12-24 panel mounting holes for 19" (483mm) equipment on universal 5/8" (16mm), 5/8" (16mm), 1/2" (13mm) mounting spacing.
- Includes: (2) plates, and #12-24 mounting hardware.
- Material: 11 Ga. (3mm) ASTM A36 structural steel
- Finish___: Flat Black Powder Coat (FB),
Telco Gray Powder Coat (TG) or
Yellow Zinc (YZ)
Other finishes are available upon request.



Part Number	Overall Height		Mtg. Spaces	Mtg. Screws	Weight	
	In.	(mm)			Lbs.	(kg)
SB576A01__	1 ¹¹ / ₁₆ "	(43)	1	4	0.4	(0.18)
SB576A02__	3 ⁷ / ₁₆ "	(87)	2	4	0.7	(0.32)
SB576A03__	5 ³ / ₁₆ "	(132)	3	4	1.1	(0.50)
SB576A04__	6 ¹⁵ / ₁₆ "	(176)	4	8	1.5	(0.68)
SB576A05__	8 ¹¹ / ₁₆ "	(220)	5	8	1.8	(0.81)
SB576A06__	10 ⁷ / ₁₆ "	(265)	6	8	2.2	(1.00)
SB576A07__	12 ³ / ₁₆ "	(309)	7	8	2.5	(1.13)
SB576A08__	13 ¹⁵ / ₁₆ "	(354)	8	8	2.9	(1.31)

Network Equipment Rack Standoff Bracket

- Use to increase depth for oversized equipment.
- 5" (127mm) depth. (Other depths and heights are available upon request)
- Includes: (2) standoff brackets and #12-24 mounting hardware.
- Material: 11 Gauge (3.0mm) ASTM A569 steel.
- Finish___: Flat Black Powder Coat (FB),
Telco Gray Powder Coat (TG) or
Yellow Zinc (YZ)
Other finishes are available upon request.



Part Number	Height 'H'		Mounting Spaces Screws		Weight	
	In.	(mm)			Lbs.	(kg)
SB58501__	1 11/16"	(43)	1	4	0.8	(0.3)
SB58502__	3 7/16"	(87)	2	4	1.6	(0.7)
SB58503__	5 3/16"	(132)	3	6	2.4	(1.1)
SB58504__	6 15/16"	(176)	4	8	3.2	(1.4)
SB58505__	8 11/16"	(220)	5	8	4.0	(1.8)
SB58506__	8 11/16"	(220)	5	8	4.2	(1.9)
SB58507__	12 3/16"	(309)	7	8	5.6	(2.5)
SB58508__	13 15/16"	(354)	8	8	6.4	(2.9)
SB58510__	17 7/16"	(443)	10	10	8.0	(3.6)
SB58520__	34 15/16"	(887)	20	20	16.0	(7.2)
SB58530__	52 7/16"	(1332)	30	30	24.0	(10.9)

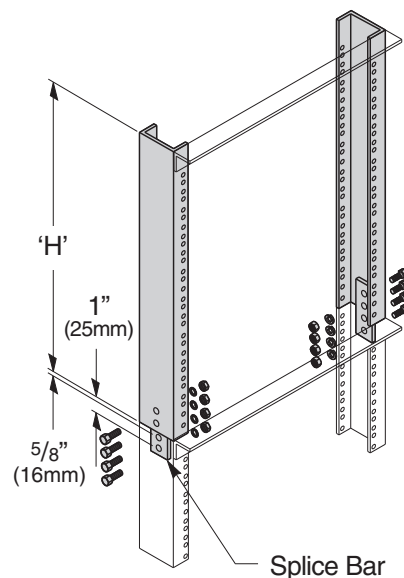
Other heights and widths are available on request.

Two-Post Network Rack Extension Kit

- Use to increase rack height for additional equipment mounting space.
- Double sided universal [$\frac{5}{8}$ " (16mm), $\frac{5}{8}$ " (16mm), $\frac{1}{2}$ " (13mm)] mounting spacing.
- Includes (2) uprights, (2) splice bars and $\frac{3}{8}$ "-16 hardware.
- #12-24 panel mounting holes.
- Available in steel or aluminum uprights.
- See SB575 for top angle.
- Material: Aluminum - 6061-T6
Steel - ASTM A36 structural steel.
- Finish ____: Aluminum - Brushed (AL)
Steel - Flat Black Powder Coat (FB) or
Telco Gray Powder Coat (TG)
Other finishes are available upon request.

Aluminum Part Number	'H' Height		Mounting Spaces	Weight	
	In.	(mm)		Lbs.	(kg)
SB57412A__	12"	(305)	5	4.2	(1.9)
SB57424A__	24"	(609)	12	7.0	(3.2)

Steel Part Number	'H' Height		Mounting Spaces	Weight	
	In.	(mm)		Lbs.	(kg)
SB57412S__	12"	(305)	5	9.6	(4.3)
SB57424S__	24"	(609)	12	17.8	(8.1)

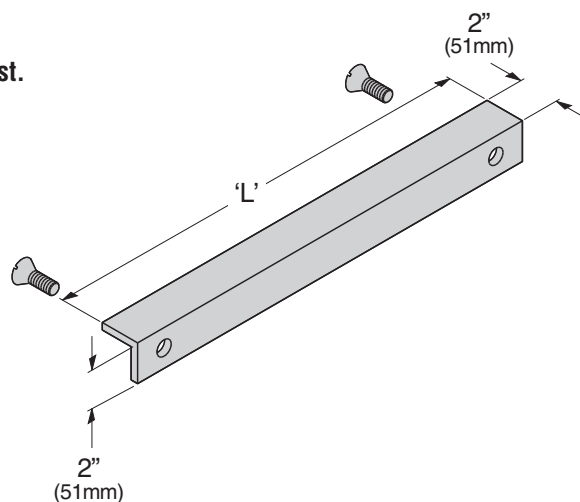


Note: Holes must be field drilled in rack.

Top Angle

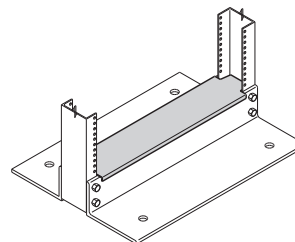
- Used with SB574 rack extension kit or Telco style racks to provide rigidity.
- Includes $\frac{3}{8}$ "-16 mounting hardware.
- Material: Aluminum - 6061-T6 / Steel - ASTM A36 structural steel.
- Finish ____: Aluminum - Brushed (AL) or Telco Gray (TG)
Steel - Flat Black Powder Coat (FB) or
Telco Gray Powder Coat (TG)
Other finishes are available upon request.

Part Number	Rack Width		'L'		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
Steel						
SB575A__	19"	(482)	20 $\frac{5}{16}$ "	(516)	5.5	(2.5)
SB575B__	23"	(584)	24 $\frac{5}{16}$ "	(617)	6.5	(2.9)
Aluminum						
SB575C__	19"	(482)	20 $\frac{5}{16}$ "	(516)	1.9	(0.8)
SB575D__	23"	(584)	24 $\frac{5}{16}$ "	(617)	2.3	(1.0)

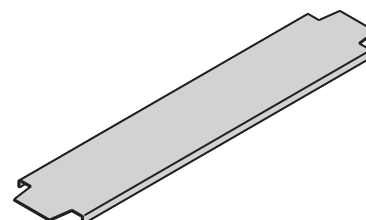


Two-Post Network Equipment Rack Base Dust Cover

- Use to cover opening at bottom of equipment rack.
- Available for aluminum or steel network equipment racks.
- Material: Aluminum 5052-H32 or Steel ASTM A569
- Finish ____: Aluminum - Brushed (AL)
Steel - Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
Other finishes are available upon request.
- Ordering: Specify part number and finish abbreviation.

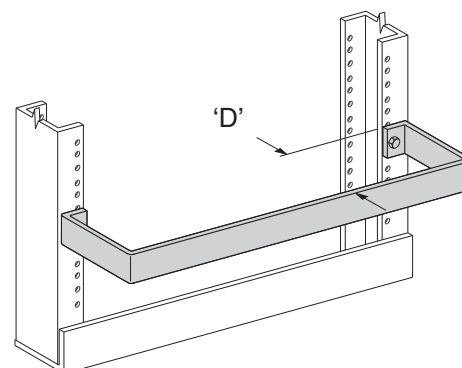


Part Number	Material	Rack Depth		Rack Width		Weight	
		In.	(mm)	In.	(mm)	Lbs.	(kg)
SB59501__	Steel	3"	(76)	19"	(482)	1.6	(0.72)
SB59502__	Steel	3"	(76)	23"	(584)	2.0	(0.90)
SB59501A__	Aluminum	3"	(76)	19"	(482)	1.1	(0.50)
SB59502A__	Aluminum	3"	(76)	23"	(584)	1.6	(0.72)
SB59503A__	Aluminum	6"	(152)	19"	(482)	2.0	(0.90)
SB59504A__	Aluminum	6"	(252)	23"	(584)	3.1	(1.40)



Two-Post Network Equipment Rack Guard Rail

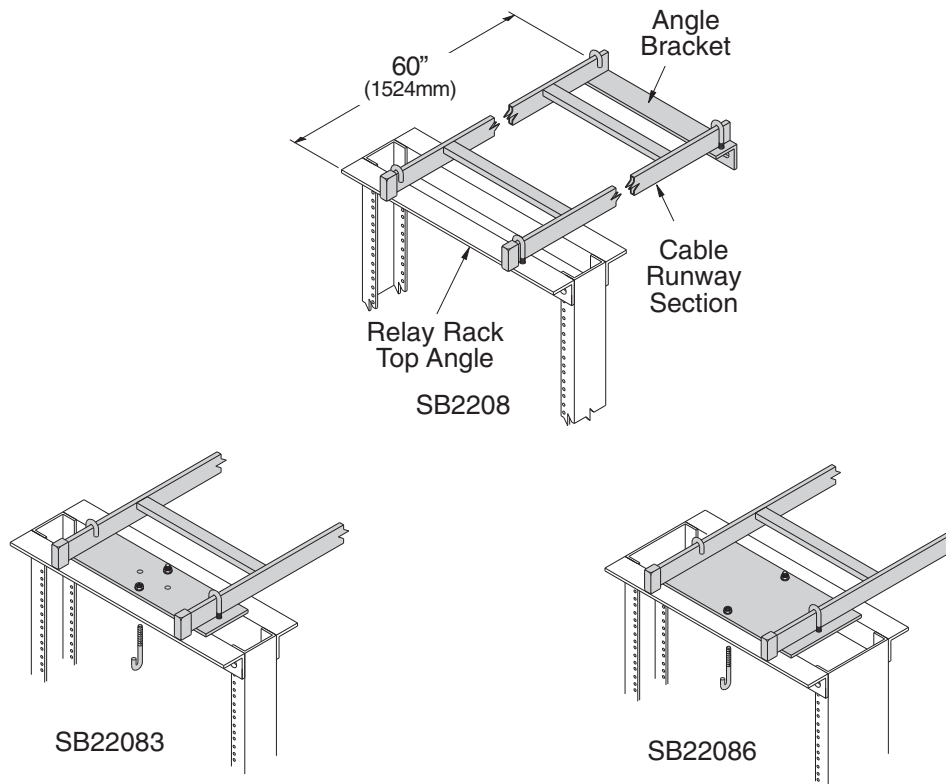
- Use to protect rack mounted equipment.
- Available in 4 1/4" (108mm) to 9 1/2" (241mm) depths.
- Includes: 3/8"-16 mounting hardware.
- Uses two (2) RMUs of mounting space.
- Material: 1/4" (6.3mm) x 2" (51mm) Aluminum Bar 6063-T52.
- Finish ____: Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
Other finishes are available upon request.



Part Number	'D' Depth		Weight	
	In.	(mm)	Lbs.	(kg)
19" (482mm) Rack Width				
SB58901A__	4 1/4"	(108)	1.5	(0.68)
SB58901B__	5 1/4"	(133)	1.6	(0.72)
SB58901C__	6 1/2"	(165)	1.7	(0.77)
SB58901D__	7"	(178)	1.8	(0.81)
SB58901E__	9 1/2"	(241)	2.0	(0.91)
23" (584mm) Rack Width				
SB58902A__	4 1/4"	(108)	1.7	(0.77)
SB58902B__	5 1/4"	(133)	1.8	(0.81)
SB58902C__	6 1/2"	(165)	1.9	(0.86)
SB58902D__	7"	(178)	2.0	(0.91)
SB58902E__	9 1/2"	(241)	2.2	(1.00)

Network Equipment Rack Wall Support Kit

- Use to stabilize top end of relay rack 60" (1524mm) from wall.
- All kits include: (1) 12" (305mm) wide x 60" (1524mm) long SB17 series runway section, (1) wall mounted angle bracket, (2) runway stringer end caps, and the required number of J-Bolts and hardware.
- SB22083 comes with a 3" (76mm) rack depth rack to runway mounting plate.
- SB22086 comes with a 6" (152mm) rack depth rack to runway mounting plate.
- SB2208 requires drilling of rack top angle.
- Order anchor hardware (for wall) separately.
- Material: ASTM A36 structural steel
- Finish ____: Yellow Zinc (YZ), Flat Black Powder Coat (FB) or Telco Gray Powder Coat (TG)
Other finishes are available upon request.



Part Number	Rack Depth		Support Type		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB22083 __	3"	(76)	12" Runway	(305) Runway	20.0	(9.1)
SB22086 __	6"	(152)	12" Runway	(305) Runway	23.0	(10.5)
SB2208 __	Universal		12" Runway	(305) Runway	15.0	(6.8)



FB is a popular Bee List item

Rackmount Power Strips

- Can be mounted horizontally or vertically on a rack.
- 10 ft. (4.57m) cord length.
- 5-15P or 5-20P standard input plugs or L5-20P or L5-30P locking input plugs.
- 5-15R or 5-20R standard receptacles or L5-30R locking receptacles.
- UL type 1077 15, 20 or 30 amp circuit breaker included.
- 17" wide with 0U/1U rack mounting brackets.
- 120V input/output voltage.
- 'Power On' indicator light included.
- UL 60950-1 listed.
- Surge protected units UL 1449 rated, 2000 joules.



SB30051020FB Power Strip Shown



Front



Back

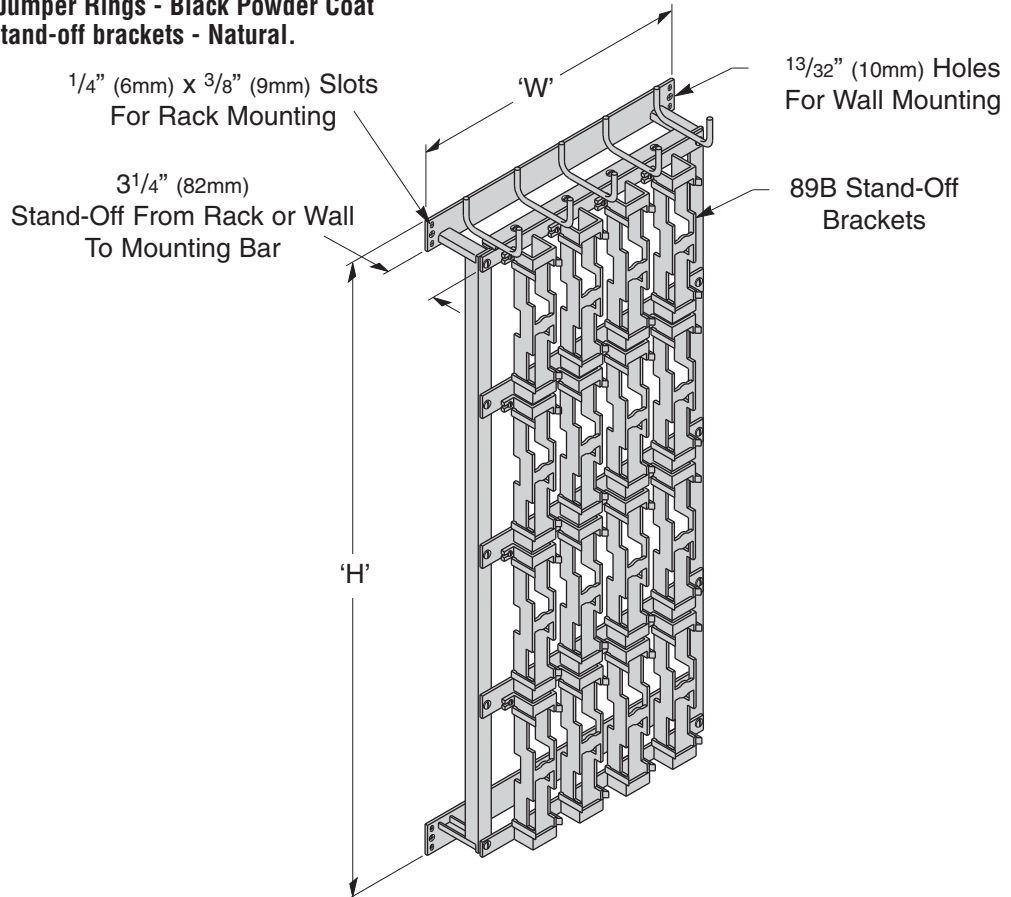
Part Number	Amperage Rating	Number Of Outlets	Input Power Plug
Standard Power Strips			
SB3005615FB	15 Amp derated to 12 Amp	6 front	5-15P
SB3005815FB	15 Amp derated to 12 Amp	6 front, 2 back	5-15P
SB30051415FB	15 Amp derated to 12 Amp	6 front, 8 back	5-15P
SB30051020FB	20 Amp derated to 16 Amp	2 front, 8 back	5-20P
SB30051420FB	20 Amp derated to 16 Amp	6 front, 8 back	5-20P
SB30051020LFB	20 Amp derated to 16 Amp	2 front, 8 back	L5-20P
SB30051420LFB	20 Amp derated to 16 Amp	6 front, 8 back	L5-20P
SB3005830/15LFB	30 Amp / 15 Amp derated to 24 Amp / 12 Amp	(4) 15A front (4) 30A rear	L5-30P
Power Strips with Surge Protection			
SB30061015FB	15 Amp derated to 12 Amp	2 front, 8 back	5-15P
SB30061020FB	20 Amp derated to 16 Amp	2 front, 8 back	5-20P
SB30061020LFB	20 Amp derated to 16 Amp	2 front, 8 back	L5-20P
Power Strips with Amp Metering			
SB30071415FB	15 Amp derated to 12 Amp	6 front, 8 back	5-15P

If you do not find a configuration that meets your needs, please call Cooper B-Line's customer service department to get a part number and quote for a power strip to your particular application. Cooper B-Line has the resources to provide hundreds of configuration variations to customize power strips as needed.

Please see <http://www.cooperbline.com> or call 1-800-851-7415 for more information.

Wall/Rack Mounted Cross-Connect Frame

- Use to support 66M - Type Quick Connect Blocks.
- Welded frame and jumper ring construction for added rigidity.
- Fully assembled for fast installation.
- Jumper space behind blocks.
- Can be wall or rack mounted.
- Shipped fully assembled.
- Includes: 89B block stand-off brackets.
- Material: ASTM A569 & A36 structural steel
Nylon stand-off brackets.
- Finish: Frame and Jumper Rings - Black Powder Coat
89B block stand-off brackets - Natural.

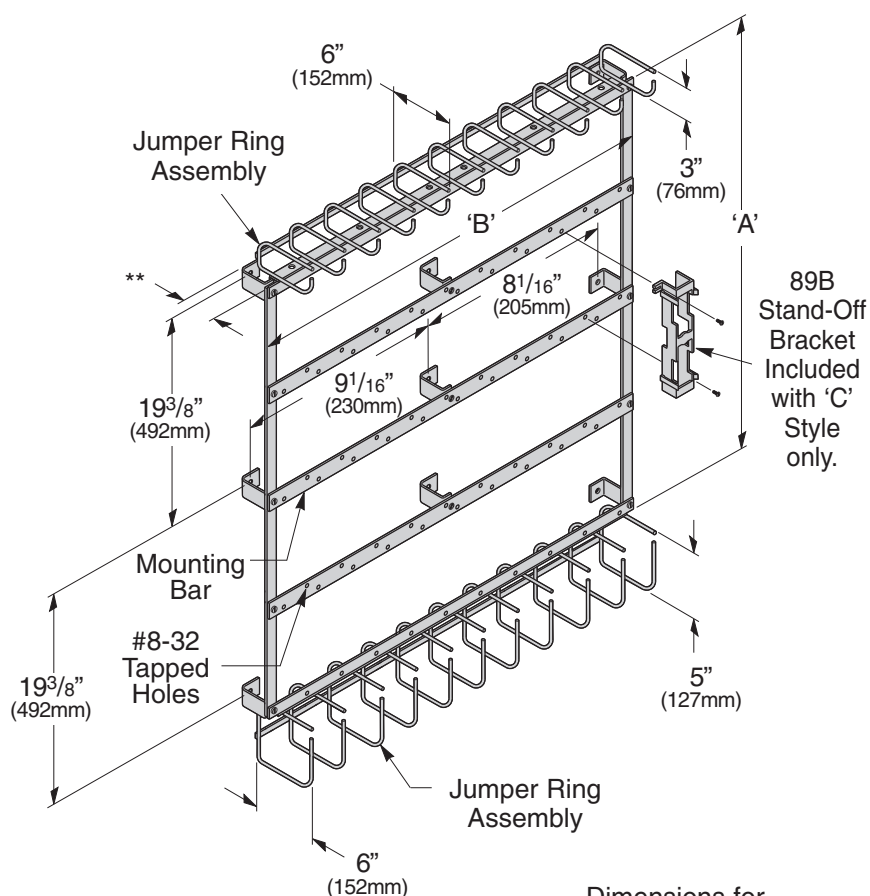


Part Number	Number of Block Spaces		Rack Width 'W'		'H'		Mounting Spaces Required	Weight	
	Row	Columns	In.	(mm)	In.	(mm)		Lbs.	(kg)
SB7200104B	1	4	19"	(481)	12 1/2"	(317)	8	13	(5.9)
SB7200105B	1	5	23"	(584)	12 1/2"	(317)	8	15	(6.8)
SB7200204B	2	4	19"	(481)	21 1/4"	(540)	13	16	(7.2)
SB7200205B	2	5	23"	(584)	21 1/4"	(540)	13	19	(8.6)
SB7200304B	3	4	19"	(481)	31 3/4"	(806)	19	20	(9.1)
SB7200305B	3	5	23"	(584)	31 3/4"	(806)	19	21	(9.5)
SB7200404B	4	4	19"	(481)	42 1/4"	(1073)	25	24	(10.9)
SB7200405B	4	5	23"	(584)	42 1/4"	(1073)	25	27	(12.2)

Wall Mounted Cross-Connect Frame

- Use to support 66M - Type quick connect blocks.
- "A" style assemblies do not include standoff bracket.
- "C" style assemblies include standoff brackets for 89B terminal blocks.
- "E" style assemblies include standoff brackets for 89D terminal blocks.
- Shipped fully assembled.
- Jumper rings provided for convenient wire management.
- Material:
ASTM A569 & A36
Steel frame.
Steel jumper rings.
Nylon block stand-off brackets.
- Finish: Frame - Yellow Zinc
Jumper rings - Black Powder Coat
89B block stand-off brackets - Natural.

** $3\frac{3}{16}$ " (81mm)
Stand-Off From Wall
To Mounting Bar



Dimensions for
SB7200410
Shown Above

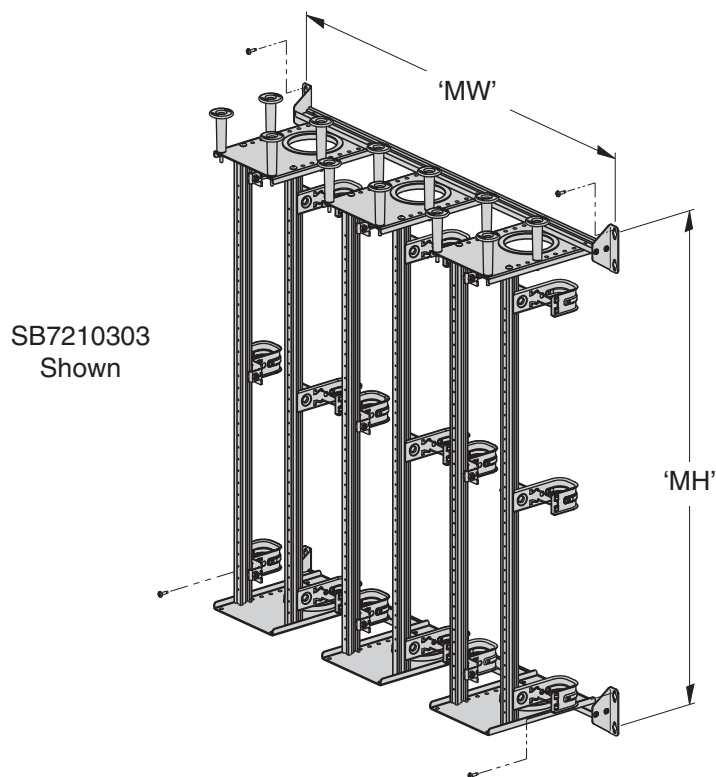
Continued on page 76.

Wall Mounted Cross-Connect Frame (cont.)

Part Number	'A'		'B'		Number Of Block Spaces		Weight	
	In.	(mm)	In.	(mm)	Rows	Columns	Lbs.	(kg)
SB7200204A	20"	(508)	16 ³ / ₄ "	(425)	2	4	18.0	(8.1)
SB7200206A	20"	(508)	24 ¹ / ₄ "	(616)	2	6	22.0	(10.0)
SB7200210A	20"	(508)	39 ¹ / ₈ "	(994)	2	10	33.0	(14.9)
SB7200304A	30"	(762)	16 ³ / ₄ "	(425)	3	4	21.0	(9.5)
SB7200306A	30"	(762)	24 ¹ / ₄ "	(616)	3	6	26.0	(11.8)
SB7200310A	30"	(762)	39 ¹ / ₈ "	(994)	3	10	38.0	(17.2)
SB7200404A	40"	(1016)	16 ³ / ₄ "	(425)	4	4	25.0	(11.3)
SB7200406A	40"	(1016)	24 ¹ / ₄ "	(616)	4	6	30.0	(13.6)
SB7200410A	40"	(1016)	39 ¹ / ₈ "	(994)	4	10	44.0	(19.9)
SB7200204C	20"	(508)	16 ³ / ₄ "	(425)	2	4	20.0	(9.1)
SB7200206C	20"	(508)	24 ¹ / ₄ "	(616)	2	6	25.0	(11.3)
SB7200210C	20"	(508)	39 ¹ / ₈ "	(994)	2	10	37.0	(16.8)
SB7200304C	30"	(762)	16 ³ / ₄ "	(425)	3	4	24.0	(10.9)
SB7200306C	30"	(762)	24 ¹ / ₄ "	(616)	3	6	30.0	(13.6)
SB7200310C	30"	(762)	39 ¹ / ₈ "	(994)	3	10	44.0	(19.9)
SB7200404C	40"	(1016)	16 ³ / ₄ "	(425)	4	4	29.0	(13.1)
SB7200406C	40"	(1016)	24 ¹ / ₄ "	(616)	4	6	35.0	(15.9)
SB7200410C	40"	(1016)	39 ¹ / ₈ "	(994)	4	10	52.0	(23.6)
SB7200204E	20"	(508)	16 ³ / ₄ "	(425)	2	4	20.0	(9.1)
SB7200206E	20"	(508)	24 ¹ / ₄ "	(616)	2	6	25.0	(11.3)
SB7200210E	20"	(508)	39 ¹ / ₈ "	(994)	2	10	37.0	(16.8)
SB7200304E	30"	(762)	16 ³ / ₄ "	(425)	3	4	24.0	(10.9)
SB7200306E	30"	(762)	24 ¹ / ₄ "	(616)	3	6	30.0	(13.6)
SB7200310E	30"	(762)	39 ¹ / ₈ "	(994)	3	10	44.0	(19.9)
SB7200404E	40"	(1016)	16 ³ / ₄ "	(425)	4	4	29.0	(13.1)
SB7200406E	40"	(1016)	24 ¹ / ₄ "	(616)	4	6	35.0	(15.9)
SB7200410E	40"	(1016)	39 ¹ / ₈ "	(994)	4	10	52.0	(23.6)

Cross Connect Frame, 110 Block, Rack Module

- Distribution frame provides a means to support 110D telecommunication blocks for cross-connecting.
- Provides adjustable horizontal and vertical wire management.
- Frame will accommodate a variety of 110D block sizes.
- Can be either wall or rack mounted.
- Provided in three widths and three heights. The rack will accommodate 19" (482mm), 23" (584mm) or 35" (889mm) racks.
- Shipped fully assembled.
- Includes: Mounting screws for blocks and attachment hardware to rack.
- Material: 6061-T6 aluminum alloy and 5052-H32 aluminum.
- Finish___: Aluminum (AL), Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB).

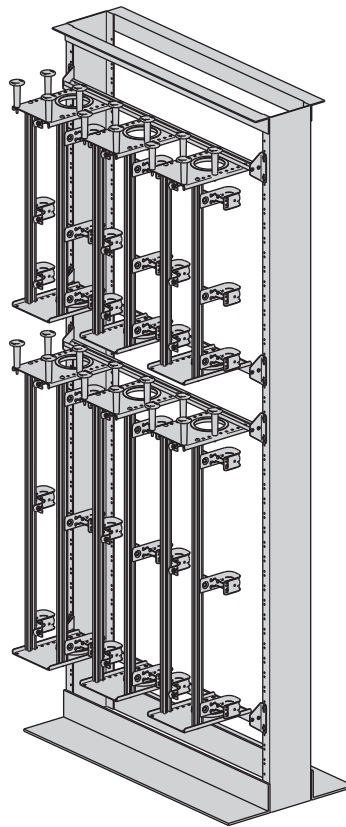


Part Number	'MW'		'MH'		Mtg. Spaces Req'd	# of Block Spaces		# of Pairs	Weight	
	Mtg. Width In.	(mm)	Mtg. Height In.	(mm)		Rows	Columns		Lbs.	(kg)
SB7210101__	18 ⁵ / ₁₆ "	(465)	15 ³ / ₄ "	(400)	9	1	1	300	2.2	(1.0)
SB7210201__	18 ⁵ / ₁₆ "	(465)	28"	(711)	16	2	1	600	2.9	(1.3)
SB7210301__	18 ⁵ / ₁₆ "	(465)	38 ¹ / ₂ "	(978)	22	3	1	900	3.3	(1.5)
SB7210102__	22 ⁵ / ₁₆ "	(567)	15 ³ / ₄ "	(400)	9	1	2	600	3.9	(1.7)
SB7210202__	22 ⁵ / ₁₆ "	(567)	28"	(711)	16	2	2	1200	5.3	(2.4)
SB7210302__	22 ⁵ / ₁₆ "	(567)	38 ¹ / ₂ "	(978)	19	3	2	1800	6.0	(2.7)
SB7210103__	34 ⁵ / ₁₆ "	(871)	15 ³ / ₄ "	(400)	9	1	3	900	5.7	(2.6)
SB7210203__	34 ⁵ / ₁₆ "	(871)	28"	(711)	16	2	3	1800	7.9	(3.6)
SB7210303__	34 ⁵ / ₁₆ "	(871)	38 ¹ / ₂ "	(978)	25	3	3	2700	8.9	(4.0)

Single Sided Rack Cross Connect Frame

- Distribution frame provides a means to support 110D telecommunication blocks for cross-connecting.
- Provides adjustable horizontal and vertical wire management.
- Frame will accommodate a variety of 110D block sizes.
- Rack height: 84" (2133mm).
- Provided in three widths and three heights. The rack will accommodate 19" (482mm), 23" (584mm) or 35" (889mm) racks.
- Cross-connect module shipped fully assembled. Equipment rack shipped unassembled.
- Includes: Equipment rack, cross connect frames, and mounting screws for blocks.
- Material: 6061-T6 aluminum alloy and 5052-H32 aluminum.
- Finish___: Aluminum (AL), Telco Gray Powder Coat (TG)

SB72135S4500
Shown

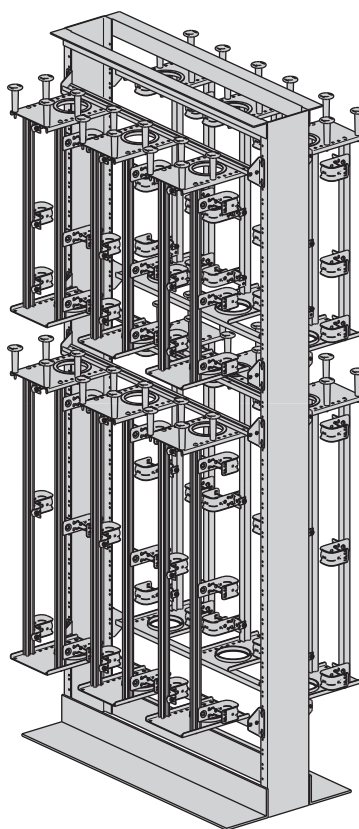


Part Number	Rack Width		# of Pairs	Weight	
	In.	(mm)		Lbs.	(kg)
SB72119S1200__	19"	(482)	1200	60.6	(27.5)
SB72119S1500__	19"	(482)	1500	54.8	(24.8)
SB72123S2400__	23"	(584)	2400	78.4	(35.5)
SB72123S3000__	23"	(584)	3000	69.1	(31.3)
SB72135S3600__	35"	(889)	3600	103.4	(46.9)
SB72135S4500__	35"	(889)	4500	90.1	(40.8)

Double Sided Rack Cross Connect Frame

- Distribution frame provides a means to support 110D telecommunication blocks for cross-connecting.
- Provides adjustable horizontal and vertical wire management.
- Frame will accommodate a variety of 110D block sizes.
- Rack height: 84" (2133mm).
- Provided in three widths and three heights. The rack will accommodate 19" (482mm), 23" (584mm) or 35" (889mm) racks.
- Cross-connect module shipped fully assembled. Equipment rack shipped unassembled.
- Includes: Equipment rack, cross connect frames, and mounting screws for blocks.
- Material: 6061-T6 aluminum alloy and 5052-H32 aluminum.
- Finish__: Aluminum (AL), Telco Gray Powder Coat (TG)

SB72135D9000
Shown

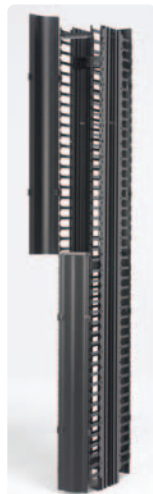


Part Number	Rack Width		# of Pairs	Weight	
	In.	(mm)		Lbs.	(kg)
SB72119D2400__	19"	(482)	2400	80.2	(36.4)
SB72119D3000__	19"	(482)	3000	68.6	(31.1)
SB72123D4800__	23"	(584)	4800	112.8	(51.1)
SB72123D6000__	23"	(584)	6000	94.2	(42.7)
SB72135D7200__	35"	(889)	7200	153.8	(69.7)
SB72135D9000__	35"	(889)	9000	127.2	(57.7)

Cable Management



SB860S



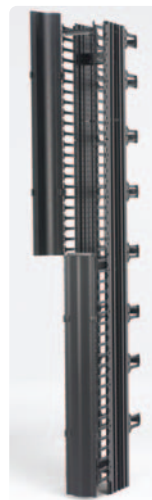
SB860D



SB862S



SB862D



SB864



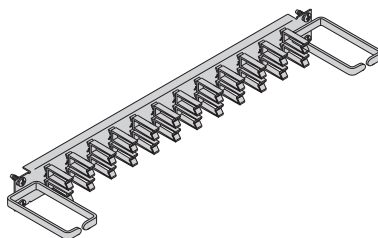
SB862HRD



SB862BRC



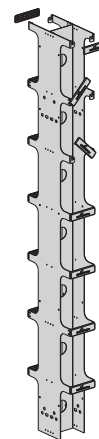
SB719DRFB



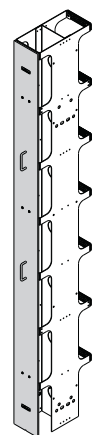
SB719xx



SB862FSFB



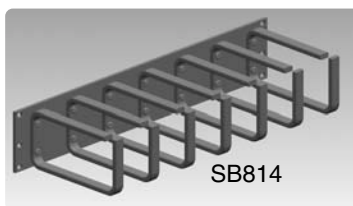
SB571xxD



SB571CVR



SB870SFB



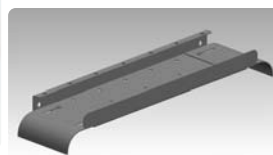
SB814



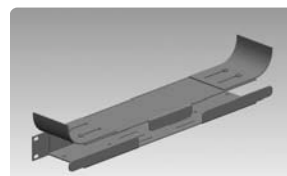
SB862xKFB



SB870DFB



SB813TT6



SB813LT3



SB8607SPFB

Cable Management

Cooper B-Line manufactures high quality cable management products that are designed for modern, high performance network cabling. Our patented RCM+ cable management product family is one of the most feature rich cable management systems in the industry offering the user a simple, modular and easy-to-install system. RCM+ features effective cable management options with built-in flexibility to address any structured cabling platform and a competitive installed cost profile. Further, our design is aesthetically pleasing and complements the high-tech look of today's high performance networks. With multiple options for width, height and depth, RCM+ has all the configurations you need for your rack mounted cable management requirements.

All cable management devices are designed to meet or exceed all applicable industry standards and requirements of applicable TIA/EIA standards that reference cable management products. Many of Cooper B-Line's cable management products - including the RCM+ cable managers - are UL listed as well.

Cooper B-Line also manufactures a wide variety of other cable management products including gated vertical cable managers, troughs, wire basket cable trays, patch cord organizers, cable management spools, Velcro cable straps and other common accessories. Whatever the application, from copper to fiber, Cooper B-Line has the cable management products you need to tackle any cabling pathway requirement.

Are we missing a component you need? Contact us. Our engineering team will be glad to discuss your needs and provide a design for your specific application. Our goal is to be your preferred supplier for all your comm/data equipment support needs.

<u>Material:</u>	<u>Type</u>	<u>Thickness</u>	<u>Specifications</u>
Steel Bar	 3/8" (9.5mm) - 7 Gauge (4.5mm)	.....	ASTM A36
Steel Strip	 10 Gauge (3.4mm) - 16 Gauge (1.5mm)	.....	ASTM A569
Steel Tube	065 (1.7mm)	.....	ASTM A513
Extruded Aluminum (AL)	.....	.....	ASTM 6063-T6

Finish:

Powder Coat Paint

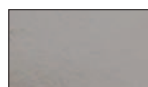
- Telco Gray (TG)
- Computer White (CW)
- Flat Black (FB)
- Silver (SL)

Chemical Conversion Coatings Available

- Yellow Zinc (YZ) ASTM B633
- Black Zinc (BZ) ASTM B633



(AL)
Brushed
Aluminum



(TG)
Telco Gray



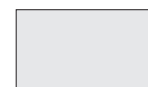
(CW)
Computer
White
(Alcatel Gray)



(FB)
Flat Black
&
(BZ)
Black Zinc



(YZ)
Yellow Zinc



(SL)
Silver

Standard Conformances:

UL Listed as a communications circuit accessory (File No. E171963).

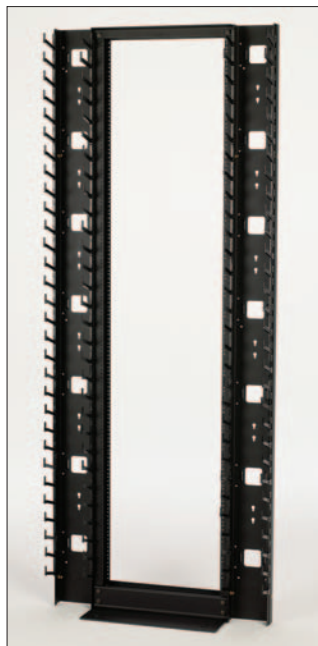
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RCM Rack & Cable Management Value Pack

- Part number includes:
One (1) Standard 19" wide, 7'-0" tall equipment rack (SB556084XUFB)
Two (2) RCM high density cable managers (SB861__FB, see page 79)
- Rack is UL Listed (File No. E171936) as a communications circuit accessory.
- Ships unassembled.
- Finish: Flat Black Powder Coat (FB).

CABLE MANAGEMENT



Sloped Fingers &
Captive Mounting Nuts



Mounting Hardware

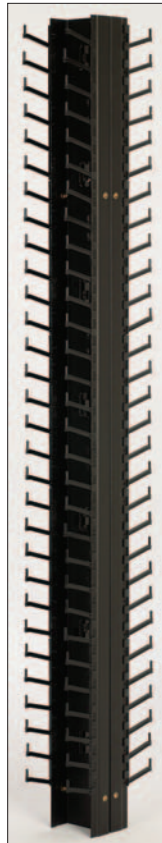
Catalog Number	Height		Cable Manager Width		Weight Each	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB81006FB	84"	(2134)	6"	(152)	55	(24.9)
SB81008FB	84"	(2134)	8"	(203)	62	(28.1)
SB81010FB	84"	(2134)	10"	(254)	67	(30.4)

RCM High Density Cable Managers

- Sloped fingers at 1.5U provide additional cable support and enhance cable retention.
- Captive hardware for faster installation onto equipment rack.
- Designed for fast, easy installation by one person.
- Dual-hinged door provides cable access from either side.
- Multiple cable pass-through openings with cable tie lances provide flexibility.
- Finish: Flat Black Powder Coat (FB).



Single Sided



Double Sided



Sloped Fingers &
Captive Mounting Nuts



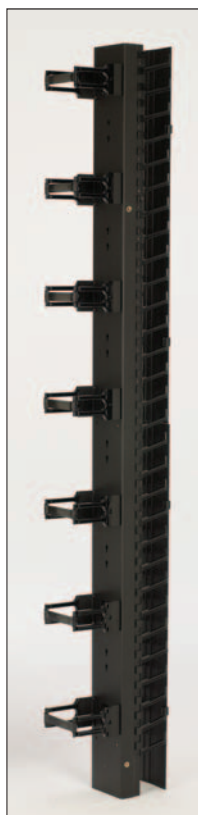
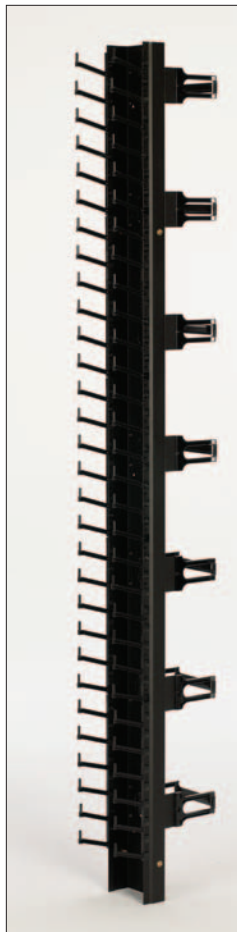
Mounting Hardware

Catalog Number	Height		Cable Manager Width		Single/Double Sided	Weight Each	
	In.	(mm)	In.	(mm)		Lbs.	(kg)
SB86166SFB	84"	(2134)	6"	(152)	Single	22.7	(10.3)
SB86168SFB	84"	(2134)	8"	(203)	Single	26.8	(12.1)
SB861610SFB	84"	(2134)	10"	(254)	Single	31.0	(14.1)
SB86166DFB	84"	(2134)	6"	(152)	Double	45.5	(20.6)
SB86168DFB	84"	(2134)	8"	(203)	Double	53.7	(24.3)
SB861610DFB	84"	(2134)	10"	(254)	Double	62.0	(28.1)

RCM High/Low Density Cable Managers

- Sloped fingers at 1.5U provide additional cable support and enhance cable retention.
- Captive hardware for faster installation onto equipment rack.
- Popular high/low density configuration accomodates most cabling installations.
- Designed for fast, easy installation by one person.
- Dual-hinged door provides cable access from either side.
- Multiple cable pass-through openings with cable tie lances provide flexibility.
- Finish: Flat Black Powder Coat (FB).

CABLE MANAGEMENT



Sloped Fingers & Captive Mounting Nuts

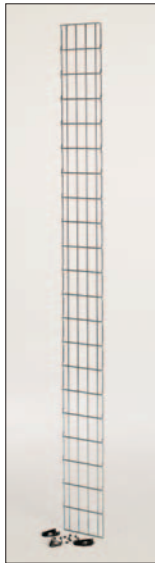


Mounting Hardware

Catalog Number	Height		Cable Manager Width		Single/Double Sided	Weight Each	
	In.	(mm)	In.	(mm)		Lbs.	(kg)
SB86566SFB	84"	(2134)	6"	(152)	Double	27.5	(12.5)
SB86568SFB	84"	(2134)	8"	(203)	Double	32.0	(14.5)
SB865610SFB	84"	(2134)	10"	(254)	Double	36.0	(16.3)

RCM Flextray™ Lacing Device Kit

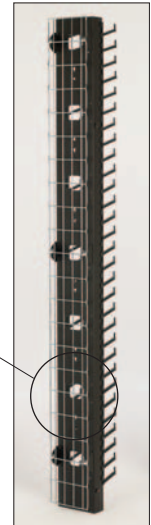
- Kit installs easily onto the back of single-sided RCM cable managers.
- Open framework leaves room for flexible cable lacing and attachment.
- Three (3) sets of mounting hardware included.
- Finish: Flat Black Powder Coat (FB) Brackets
Electroplated Zinc Flextray



Mounting Hardware



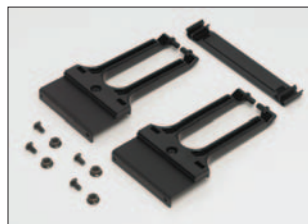
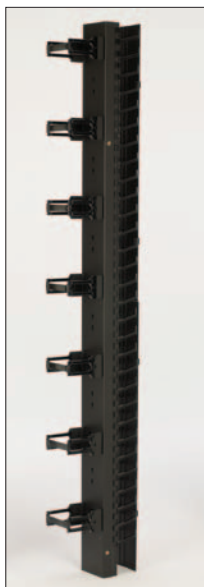
Mounted On Cable Manager



Catalog Number	Height		Cable Manager Width		Weight Each	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB86306FTK	84"	(2134)	6"	(152)	4.75	(2.1)
SB86308FTK	84"	(2134)	8"	(203)	5.00	(2.2)
SB86310FTK	84"	(2134)	10"	(254)	6.00	(2.7)

RCM Back Gate Kit

- Gates contain cables on back of single sided managers.
- Gate cover snaps on and off for easy installation and removal.
- Kits include seven (7) sets of gates and hardware.



Gates & Hardware



Gates & Hardware
Installed

Catalog Number	Cable Manager Width		Weight Each	
	In.	(mm)	Lbs.	(kg)
SB86306GK	6"	(152)	4.6	(2.1)
SB86308GK	8"	(203)	4.8	(2.2)
SB86310GK	10"	(254)	5.0	(2.3)

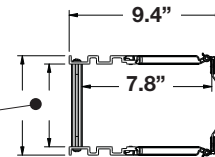
RCM+ Rack Mounted Vertical Cable Manager With Cover Single Sided High Density Plastic Finger Style

- Single-sided SB860 Series cable managers with closely spaced fingers are designed for routing high density cabling on and between racks.
- Eliminates the need for horizontal cable managers and provides cable support for each rack mounting space.
- Two-piece doors with snap on hinges allow for quick opening from either side or complete removal.
- Three snap-on gates retain cables when doors are opened or removed. Gates can be placed at any location.
- Open back design allows unrestricted front and rear routing of cables.
- Installation is easy and can be done in minutes using standard hand tools.
- 1/4" accessory mounting holes run the full height on both sides of cable manager to accommodate the attachment of cable management accessories.
- Optional back covers with pass through openings and vertical slots for attaching cable straps. (See page 94)
- UL Listed as a Communication Circuit Accessory. File No. E171936.
- Material: Aluminum with UL 94V-0 black plastic components.
- Finish___: Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
- Vertical cable manager includes:
(1) vertical cabling section, (2) doors,
(3) gates, (25) push-in fasteners,
(6) cable strap mounts, (2) cable retainer bars and mounting hardware.

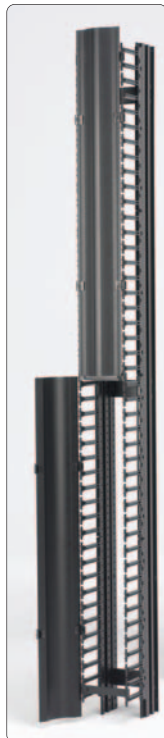


Top View

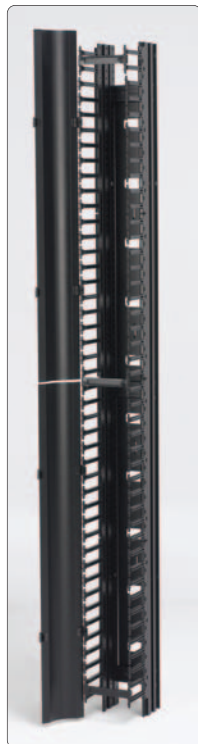
Outside Dim.	Inside Dim.
3.6"	2.6"
6.0"	5.0"
10.0"	9.0"
12.0"	11.0"



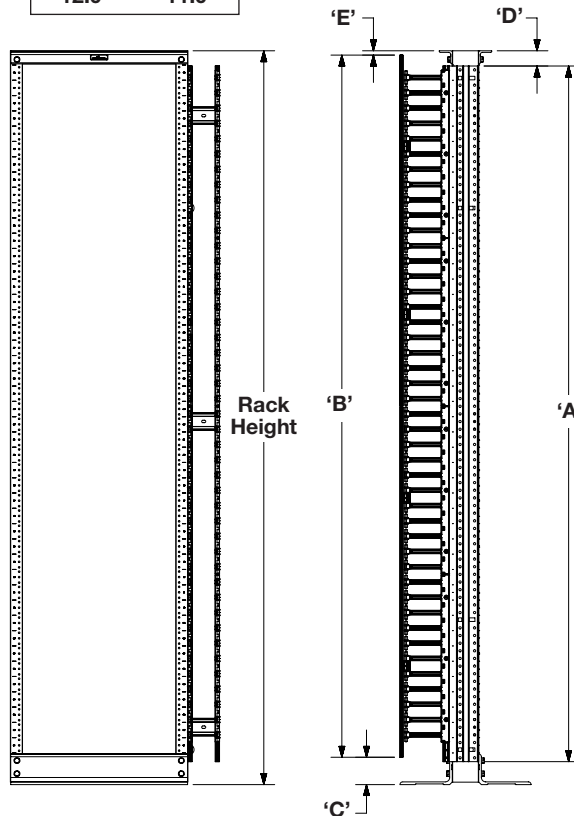
U.S. Patent 7,362,941
Other Patents Pending



SB86086S084



SB86086S084
shown with optional
back cover
(see page 94)



Continued on page 83.

RCM+ Rack Mounted Vertical Cable Manager With Cover cont. Single Sided High Density Plastic Finger Style

Catalog Number	Fits Rack Height of		'A'		'B'		'C'		'D'		'E'		Weight Each	
	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
3 ⁵ / ₈ " (92mm) Wide x 9 ³ / ₈ " (238mm) Deep														
SB86083S066	66"	(1676)	60 ³ / ₈ "	(1533)	62 ⁷ / ₈ "	(1597)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	19.0	(8.6)
SB86083S072	72"	(1829)	67 ³ / ₈ "	(1711)	69 ⁷ / ₈ "	(1775)	1 ³ / ₈ "	(34.9)	2"	(50.8)	3 ⁴ / ₄ "	(19.0)	20.9	(9.5)
SB86083S078	78"	(1981)	72 ⁵ / ₈ "	(1845)	76 ⁷ / ₈ "	(1952)	1 ¹ / ₂ "	(12.7)	2 ³ / ₄ "	(69.9)	5 ⁸ / ₈ "	(15.9)	22.5	(10.2)
SB86083S084	84"	(2133)	79 ⁵ / ₈ "	(2022)	80 ³ / ₈ "	(2041)	3 ¹ / ₈ "	(79.4)	1 ³ / ₄ "	(44.5)	1 ¹ / ₂ "	(12.7)	24.2	(11.0)
SB86083S090	90"	(2286)	84 ⁷ / ₈ "	(2156)	87 ³ / ₈ "	(2219)	2 ¹ / ₄ "	(57.2)	2 ¹ / ₂ "	(63.5)	3 ⁸ / ₈ "	(9.5)	25.8	(11.7)
SB86083S096	96"	(2438)	90 ¹ / ₈ "	(2289)	94 ³ / ₈ "	(2397)	1 ³ / ₈ "	(34.9)	3 ¹ / ₄ "	(82.6)	1 ¹ / ₄ "	(6.3)	27.5	(12.5)
SB86083S108	108"	(2743)	102 ³ / ₈ "	(2600)	104 ⁷ / ₈ "	(2664)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	30.7	(13.9)
6" (152mm) Wide x 9 ³ / ₈ " (238mm) Deep														
SB86086S066	66"	(1676)	60 ³ / ₈ "	(1533)	62 ⁷ / ₈ "	(1597)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	22.0	(10.0)
SB86086S072	72"	(1829)	67 ³ / ₈ "	(1711)	69 ⁷ / ₈ "	(1775)	1 ³ / ₈ "	(34.9)	2"	(50.8)	3 ⁴ / ₄ "	(19.0)	24.1	(10.9)
SB86086S078	78"	(1981)	72 ⁵ / ₈ "	(1845)	76 ⁷ / ₈ "	(1952)	1 ¹ / ₂ "	(12.7)	2 ³ / ₄ "	(69.9)	5 ⁸ / ₈ "	(15.9)	25.9	(11.7)
SB86086S084	84"	(2133)	79 ⁵ / ₈ "	(2022)	80 ³ / ₈ "	(2041)	3 ¹ / ₈ "	(79.4)	1 ³ / ₄ "	(44.5)	1 ¹ / ₂ "	(12.7)	27.8	(12.6)
SB86086S090	90"	(2286)	84 ⁷ / ₈ "	(2156)	87 ³ / ₈ "	(2219)	2 ¹ / ₄ "	(57.2)	2 ¹ / ₂ "	(63.5)	3 ⁸ / ₈ "	(9.5)	29.6	(13.4)
SB86086S096	96"	(2438)	90 ¹ / ₈ "	(2289)	94 ³ / ₈ "	(2397)	1 ³ / ₈ "	(34.9)	3 ¹ / ₄ "	(82.6)	1 ¹ / ₄ "	(6.3)	31.6	(14.4)
SB86086S108	108"	(2743)	102 ³ / ₈ "	(2600)	104 ⁷ / ₈ "	(2664)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	35.1	(15.9)
10" (254mm) Wide x 9 ³ / ₈ " (238mm) Deep														
SB860810S066	66"	(1676)	60 ³ / ₈ "	(1533)	62 ⁷ / ₈ "	(1597)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	25.7	(11.7)
SB860810S072	72"	(1829)	67 ³ / ₈ "	(1711)	69 ⁷ / ₈ "	(1775)	1 ³ / ₈ "	(34.9)	2"	(50.8)	3 ⁴ / ₄ "	(19.0)	28.2	(12.8)
SB860810S078	78"	(1981)	72 ⁵ / ₈ "	(1845)	76 ⁷ / ₈ "	(1952)	1 ¹ / ₂ "	(12.7)	2 ³ / ₄ "	(69.9)	5 ⁸ / ₈ "	(15.9)	30.2	(13.7)
SB860810S084	84"	(2133)	79 ⁵ / ₈ "	(2022)	80 ³ / ₈ "	(2041)	3 ¹ / ₈ "	(79.4)	1 ³ / ₄ "	(44.5)	1 ¹ / ₂ "	(12.7)	32.3	(14.7)
SB860810S090	90"	(2286)	84 ⁷ / ₈ "	(2156)	87 ³ / ₈ "	(2219)	2 ¹ / ₄ "	(57.2)	2 ¹ / ₂ "	(63.5)	3 ⁸ / ₈ "	(9.5)	34.4	(15.6)
SB860810S096	96"	(2438)	90 ¹ / ₈ "	(2289)	94 ³ / ₈ "	(2397)	1 ³ / ₈ "	(34.9)	3 ¹ / ₄ "	(82.6)	1 ¹ / ₄ "	(6.3)	36.9	(16.8)
SB860810S108	108"	(2743)	102 ³ / ₈ "	(2600)	104 ⁷ / ₈ "	(2664)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	40.8	(18.5)
12" (305mm) Wide x 9 ³ / ₈ " (238mm) Deep														
SB860812S066	66"	(1676)	60 ³ / ₈ "	(1533)	62 ⁷ / ₈ "	(1597)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	30.5	(13.8)
SB860812S072	72"	(1829)	67 ³ / ₈ "	(1711)	69 ⁷ / ₈ "	(1775)	1 ³ / ₈ "	(34.9)	2"	(50.8)	3 ⁴ / ₄ "	(19.0)	33.4	(15.1)
SB860812S078	78"	(1981)	72 ⁵ / ₈ "	(1845)	76 ⁷ / ₈ "	(1952)	1 ¹ / ₂ "	(12.7)	2 ³ / ₄ "	(69.9)	5 ⁸ / ₈ "	(15.9)	35.9	(16.3)
SB860812S084	84"	(2133)	79 ⁵ / ₈ "	(2022)	80 ³ / ₈ "	(2041)	3 ¹ / ₈ "	(79.4)	1 ³ / ₄ "	(44.5)	1 ¹ / ₂ "	(12.7)	38.2	(17.3)
SB860812S090	90"	(2286)	84 ⁷ / ₈ "	(2156)	87 ³ / ₈ "	(2219)	2 ¹ / ₄ "	(57.2)	2 ¹ / ₂ "	(63.5)	3 ⁸ / ₈ "	(9.5)	40.8	(18.5)
SB860812S096	96"	(2438)	90 ¹ / ₈ "	(2289)	94 ³ / ₈ "	(2397)	1 ³ / ₈ "	(34.9)	3 ¹ / ₄ "	(82.6)	1 ¹ / ₄ "	(6.3)	43.8	(19.9)
SB860812S108	108"	(2743)	102 ³ / ₈ "	(2600)	104 ⁷ / ₈ "	(2664)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	48.2	(21.8)

Finish___: Flat Black Powder Coat (FB) or Silver Powder Coat (SL)



Popular Bee List items include (FB) 84" high in 3⁵/₈", 6" and 10" widths

A = Height of RCM+ vertical section without doors

B = Height of RCM+ vertical section with doors properly installed

C = Distance between the floor and the lowest part of the properly installed door

D = Distance between the top of the rack and the top of the RCM+ cable manager

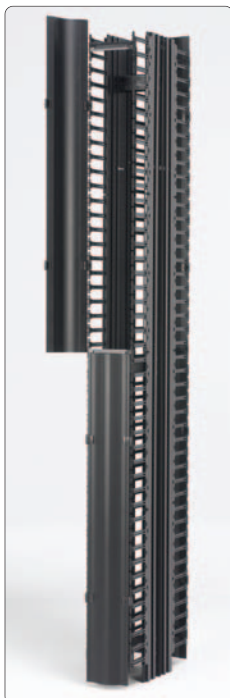
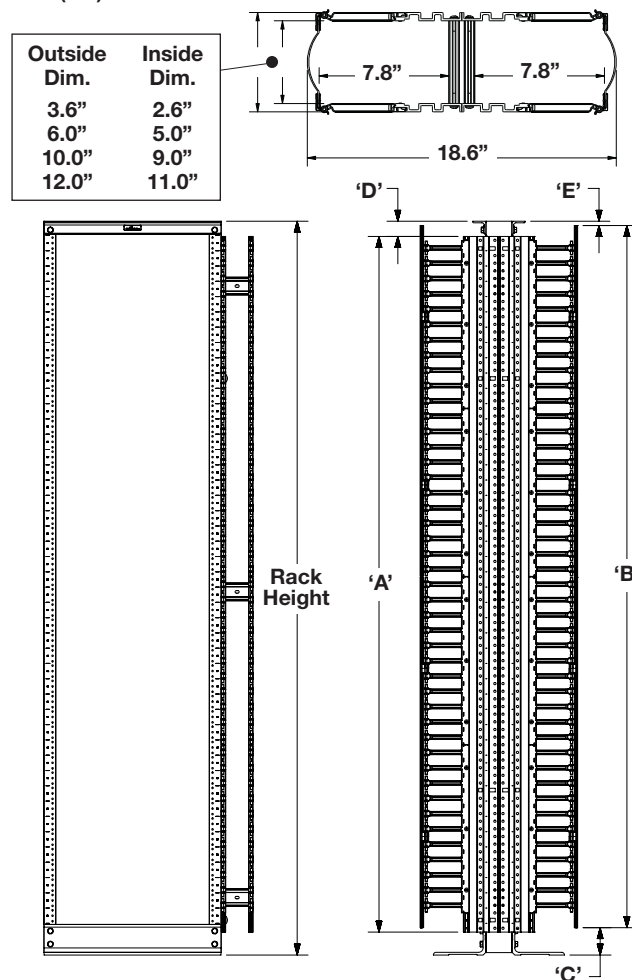
E = Distance between the top of the rack and the top of a properly installed door

RCM+ Rack Mounted Vertical Cable Manager With Cover Double Sided High Density Plastic Finger Style

- Double-sided SB860 Series cable managers with closely spaced fingers are designed for routing high density cabling on and between racks. Provides greater cable capacity with access doors and gates on front and rear.
- Front and rear vertical sections can be spaced apart when mounting on racks deeper than 3" (76mm). This allows cables to be routed out through side openings created between vertical sections.
- Eliminates the need for horizontal cable managers and provides cable support for each rack mounting space.
- Two-piece doors with snap on hinges allow for quick opening from either side or complete removal.
- Six snap-on gates retain cables when doors are opened or removed. Gates can be placed at any location.
- Open back design allows unrestricted routing of cables between front and rear cables managers.
- Installation is easy and can be done in minutes using standard hand tools.
- 1/4" accessory mounting holes run the full height on both sides of cable manager to accommodate the attachment of cable management accessories.
- Optional back covers with pass through openings and vertical slots for attaching cable straps. (See page 94)
- UL Listed as a Communication Circuit Accessory. File No. E171936.
- Material: Aluminum with UL 94V-0 black plastic components.
- Finish: Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
- Vertical cable manager includes:
(2) vertical cabling sections, (4) doors,
(6) gates, (50) push-in fasteners,
(12) cable strap mounts, (4) cable retainer bars and mounting hardware.
On 10" and 12" wide cable managers only,
(2) spool kits are included.



Top View



U.S. Patent 7,362,941
Other Patents Pending

SB86086D084

Continued on page 85.

RCM+ Rack Mounted Vertical Cable Manager With Cover cont. Double Sided High Density Plastic Finger Style

Catalog Number	Fits Rack Height of		‘A’		‘B’		‘C’		‘D’		‘E’		Weight Each	
	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
3 ⁵ / ₈ " (92mm) Wide x 18 ⁵ / ₈ " (473mm) Deep														
SB86083D066__	66"	(1676)	60 ³ / ₈ "	(1533)	62 ⁷ / ₈ "	(1597)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	35.5	(16.1)
SB86083D072__	72"	(1829)	67 ³ / ₈ "	(1711)	69 ⁷ / ₈ "	(1775)	1 ³ / ₈ "	(34.9)	2"	(50.8)	3 ⁴ / ₄ "	(19.0)	39.1	(17.7)
SB86083D078__	78"	(1981)	72 ⁵ / ₈ "	(1845)	76 ⁷ / ₈ "	(1952)	1 ² / ₂ "	(12.7)	2 ³ / ₄ "	(69.9)	5 ⁸ / ₈ "	(15.9)	42.0	(19.1)
SB86083D084__	84"	(2133)	79 ⁵ / ₈ "	(2022)	80 ³ / ₈ "	(2041)	3 ¹ / ₈ "	(79.4)	1 ³ / ₄ "	(44.5)	1 ² / ₂ "	(12.7)	45.3	(20.6)
SB86083D090__	90"	(2286)	84 ⁷ / ₈ "	(2156)	87 ³ / ₈ "	(2219)	2 ¹ / ₄ "	(57.2)	2 ¹ / ₂ "	(63.5)	3 ⁸ / ₈ "	(9.5)	48.3	(21.9)
SB86083D096__	96"	(2438)	90 ¹ / ₈ "	(2289)	94 ³ / ₈ "	(2397)	1 ³ / ₈ "	(34.9)	3 ¹ / ₄ "	(82.6)	1 ⁴ / ₄ "	(6.3)	51.5	(23.4)
SB86083D108__	108"	(2743)	102 ³ / ₈ "	(2600)	104 ⁷ / ₈ "	(2664)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	57.6	(26.1)
6" (152mm) Wide x 18 ⁵ / ₈ " (473mm) Deep														
SB86086D066__	66"	(1676)	60 ³ / ₈ "	(1533)	62 ⁷ / ₈ "	(1597)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	40.9	(18.6)
SB86086D072__	72"	(1829)	67 ³ / ₈ "	(1711)	69 ⁷ / ₈ "	(1775)	1 ³ / ₈ "	(34.9)	2"	(50.8)	3 ⁴ / ₄ "	(19.0)	45.0	(20.4)
SB86086D078__	78"	(1981)	72 ⁵ / ₈ "	(1845)	76 ⁷ / ₈ "	(1952)	1 ² / ₂ "	(12.7)	2 ³ / ₄ "	(69.9)	5 ⁸ / ₈ "	(15.9)	48.4	(21.9)
SB86086D084__	84"	(2133)	79 ⁵ / ₈ "	(2022)	80 ³ / ₈ "	(2041)	3 ¹ / ₈ "	(79.4)	1 ³ / ₄ "	(44.5)	1 ² / ₂ "	(12.7)	51.9	(23.6)
SB86086D090__	90"	(2286)	84 ⁷ / ₈ "	(2156)	87 ³ / ₈ "	(2219)	2 ¹ / ₄ "	(57.2)	2 ¹ / ₂ "	(63.5)	3 ⁸ / ₈ "	(9.5)	55.4	(25.1)
SB86086D096__	96"	(2438)	90 ¹ / ₈ "	(2289)	94 ³ / ₈ "	(2397)	1 ³ / ₈ "	(34.9)	3 ¹ / ₄ "	(82.6)	1 ⁴ / ₄ "	(6.3)	59.3	(26.9)
SB86086D108__	108"	(2743)	102 ³ / ₈ "	(2600)	104 ⁷ / ₈ "	(2664)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	65.9	(29.9)
10" (254mm) Wide x 18 ⁵ / ₈ " (473mm) Deep														
SB860810D066__	66"	(1676)	60 ³ / ₈ "	(1533)	62 ⁷ / ₈ "	(1597)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	58.1	(26.3)
SB860810D072__	72"	(1829)	67 ³ / ₈ "	(1711)	69 ⁷ / ₈ "	(1775)	1 ³ / ₈ "	(34.9)	2"	(50.8)	3 ⁴ / ₄ "	(19.0)	63.1	(28.6)
SB860810D078__	78"	(1981)	72 ⁵ / ₈ "	(1845)	76 ⁷ / ₈ "	(1952)	1 ² / ₂ "	(12.7)	2 ³ / ₄ "	(69.9)	5 ⁸ / ₈ "	(15.9)	67.7	(30.7)
SB860810D084__	84"	(2133)	79 ⁵ / ₈ "	(2022)	80 ³ / ₈ "	(2041)	3 ¹ / ₈ "	(79.4)	1 ³ / ₄ "	(44.5)	1 ² / ₂ "	(12.7)	72.0	(32.7)
SB860810D090__	90"	(2286)	84 ⁷ / ₈ "	(2156)	87 ³ / ₈ "	(2219)	2 ¹ / ₄ "	(57.2)	2 ¹ / ₂ "	(63.5)	3 ⁸ / ₈ "	(9.5)	76.0	(34.5)
SB860810D096__	96"	(2438)	90 ¹ / ₈ "	(2289)	94 ³ / ₈ "	(2397)	1 ³ / ₈ "	(34.9)	3 ¹ / ₄ "	(82.6)	1 ⁴ / ₄ "	(6.3)	81.8	(37.1)
SB860810D108__	108"	(2743)	102 ³ / ₈ "	(2600)	104 ⁷ / ₈ "	(2664)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	90.0	(40.8)
12" (305mm) Wide x 18 ⁵ / ₈ " (473mm) Deep														
SB860812D066__	66"	(1676)	60 ³ / ₈ "	(1533)	62 ⁷ / ₈ "	(1597)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	67.2	(30.5)
SB860812D072__	72"	(1829)	67 ³ / ₈ "	(1711)	69 ⁷ / ₈ "	(1775)	1 ³ / ₈ "	(34.9)	2"	(50.8)	3 ⁴ / ₄ "	(19.0)	73.1	(33.2)
SB860812D078__	78"	(1981)	72 ⁵ / ₈ "	(1845)	76 ⁷ / ₈ "	(1952)	1 ² / ₂ "	(12.7)	2 ³ / ₄ "	(69.9)	5 ⁸ / ₈ "	(15.9)	78.6	(35.7)
SB860812D084__	84"	(2133)	79 ⁵ / ₈ "	(2022)	80 ³ / ₈ "	(2041)	3 ¹ / ₈ "	(79.4)	1 ³ / ₄ "	(44.5)	1 ² / ₂ "	(12.7)	83.4	(37.8)
SB860812D090__	90"	(2286)	84 ⁷ / ₈ "	(2156)	87 ³ / ₈ "	(2219)	2 ¹ / ₄ "	(57.2)	2 ¹ / ₂ "	(63.5)	3 ⁸ / ₈ "	(9.5)	88.2	(40.0)
SB860812D096__	96"	(2438)	90 ¹ / ₈ "	(2289)	94 ³ / ₈ "	(2397)	1 ³ / ₈ "	(34.9)	3 ¹ / ₄ "	(82.6)	1 ⁴ / ₄ "	(6.3)	95.1	(43.2)
SB860812D108__	108"	(2743)	102 ³ / ₈ "	(2600)	104 ⁷ / ₈ "	(2664)	2 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	104.3	(47.3)

Finish__ : Flat Black Powder Coat (FB) or Silver Powder Coat (SL)



Popular Bee List items include (FB) 84" high in 3⁵/₈", 6" and 10" widths

- A = Height of RCM+ vertical section without doors
- B = Height of RCM+ vertical section with doors properly installed
- C = Distance between the floor and the lowest part of the properly installed door
- D = Distance between the top of the rack and the top of the RCM+ cable manager
- E = Distance between the top of the rack and the top of a properly installed door

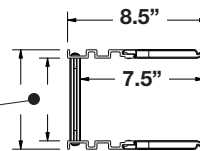
RCM+ Rack Mounted Vertical Cable Manager Single Sided Low Density Plastic Gate Style

- Single-sided SB862 Series cable managers with widely spaced fingers are designed for routing lower density cabling on and between racks.
- Vertical cabling section can be used with horizontal cable managers to provide routing for lower cable density applications.
- Snap-on gates allow for quick opening from either side or complete removal.
- Optional double-hinged doors can be snapped on for neater appearance if desired. (See page 91).
- Installation is easy and can be done in minutes using standard hand tools.
- 1/4" accessory mounting holes run the full height on both sides of cable manager to accommodate the attachment of cable management accessories.
- Optional back covers with pass through openings, vertical slots for cable straps, and keyhole slots for attaching cable spools. (See page 94)
- UL Listed as a Communication Circuit Accessory. File No. E171936.
- Material: Aluminum with UL 94V-0 black plastic components.
- Finish: Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
- Vertical cable manager includes:
(1) vertical cabling section, (25) push-in fasteners,
(6) cable strap mounts, (2) cable retainer bars,
required number of gates, and mounting hardware.



Top View

Outside Dim.	Inside Dim.
3.6"	2.6"
6.0"	5.0"
10.0"	9.0"
12.0"	11.0"



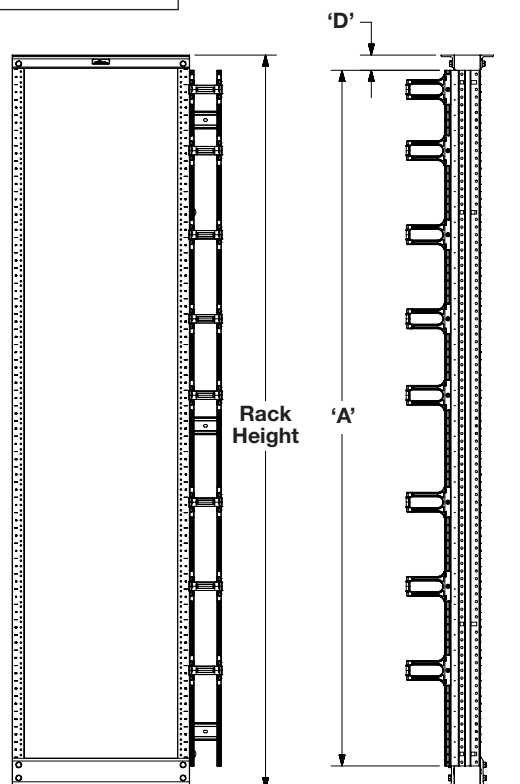
U.S. Patent 7,362,941
Other Patents Pending



SB86286S084



SB86286S084
shown with optional
back cover
(see page 94)



Continued on page 87.

RCM+ Rack Mounted Vertical Cable Manager cont. Single Sided Low Density Plastic Gate Style

Catalog Number	Fits Rack Height of In. (mm)	'A' In. (mm)	'B' † In. (mm)	'C' † In. (mm)	'D' In. (mm)	'E' † In. (mm)	Weight Each Lbs. (kg)
3⁵/₈" (92mm) Wide x 8¹/₂" (216mm) Deep							
SB86283S066	66" (1676)	60 ³ / ₈ " (1533)	62 ⁷ / ₈ " (1597)	2 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	18.5 (8.4)
SB86283S072	72" (1829)	67 ³ / ₈ " (1711)	69 ⁷ / ₈ " (1775)	1 ³ / ₈ " (34.9)	2" (50.8)	3 ⁴ / ₄ " (19.0)	20.4 (9.2)
SB86283S078	78" (1981)	72 ⁵ / ₈ " (1845)	76 ⁷ / ₈ " (1952)	1 ¹ / ₂ " (12.7)	2 ³ / ₄ " (69.9)	5 ⁸ / ₈ " (15.9)	21.9 (10.0)
SB86283S084	84" (2133)	79 ⁵ / ₈ " (2022)	80 ³ / ₈ " (2041)	3 ¹ / ₈ " (79.4)	1 ³ / ₄ " (44.5)	1 ² / ₂ " (12.7)	23.6 (10.7)
SB86283S090	90" (2286)	84 ⁷ / ₈ " (2156)	87 ³ / ₈ " (2219)	2 ¹ / ₄ " (57.2)	2 ¹ / ₂ " (63.5)	3 ⁸ / ₈ " (9.5)	25.0 (11.3)
SB86283S096	96" (2438)	90 ¹ / ₈ " (2289)	94 ³ / ₈ " (2397)	1 ³ / ₈ " (34.9)	3 ¹ / ₄ " (82.6)	1 ⁴ / ₄ " (6.3)	26.5 (12.0)
SB86283S108	108" (2743)	102 ³ / ₈ " (2600)	104 ⁷ / ₈ " (2664)	2 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	29.7 (13.5)
6" (152mm) Wide x 8¹/₂" (216mm) Deep							
SB86286S066	66" (1676)	60 ³ / ₈ " (1533)	62 ⁷ / ₈ " (1597)	2 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	19.4 (8.8)
SB86286S072	72" (1829)	67 ³ / ₈ " (1711)	69 ⁷ / ₈ " (1775)	1 ³ / ₈ " (34.9)	2" (50.8)	3 ⁴ / ₄ " (19.0)	21.4 (9.7)
SB86286S078	78" (1981)	72 ⁵ / ₈ " (1845)	76 ⁷ / ₈ " (1952)	1 ¹ / ₂ " (12.7)	2 ³ / ₄ " (69.9)	5 ⁸ / ₈ " (15.9)	23.0 (10.4)
SB86286S084	84" (2133)	79 ⁵ / ₈ " (2022)	80 ³ / ₈ " (2041)	3 ¹ / ₈ " (79.4)	1 ³ / ₄ " (44.5)	1 ² / ₂ " (12.7)	24.7 (11.2)
SB86286S090	90" (2286)	84 ⁷ / ₈ " (2156)	87 ³ / ₈ " (2219)	2 ¹ / ₄ " (57.2)	2 ¹ / ₂ " (63.5)	3 ⁸ / ₈ " (9.5)	26.1 (11.8)
SB86286S096	96" (2438)	90 ¹ / ₈ " (2289)	94 ³ / ₈ " (2397)	1 ³ / ₈ " (34.9)	3 ¹ / ₄ " (82.6)	1 ⁴ / ₄ " (6.3)	27.7 (12.6)
SB86286S108	108" (2743)	102 ³ / ₈ " (2600)	104 ⁷ / ₈ " (2664)	2 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	31.1 (14.1)
10" (254mm) Wide x 8¹/₂" (216mm) Deep							
SB862810S066	66" (1676)	60 ³ / ₈ " (1533)	62 ⁷ / ₈ " (1597)	2 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	21.1 (9.6)
SB862810S072	72" (1829)	67 ³ / ₈ " (1711)	69 ⁷ / ₈ " (1775)	1 ³ / ₈ " (34.9)	2" (50.8)	3 ⁴ / ₄ " (19.0)	23.1 (10.5)
SB862810S078	78" (1981)	72 ⁵ / ₈ " (1845)	76 ⁷ / ₈ " (1952)	1 ¹ / ₂ " (12.7)	2 ³ / ₄ " (69.9)	5 ⁸ / ₈ " (15.9)	24.8 (11.3)
SB862810S084	84" (2133)	79 ⁵ / ₈ " (2022)	80 ³ / ₈ " (2041)	3 ¹ / ₈ " (79.4)	1 ³ / ₄ " (44.5)	1 ² / ₂ " (12.7)	26.5 (12.0)
SB862810S090	90" (2286)	84 ⁷ / ₈ " (2156)	87 ³ / ₈ " (2219)	2 ¹ / ₄ " (57.2)	2 ¹ / ₂ " (63.5)	3 ⁸ / ₈ " (9.5)	28.0 (12.7)
SB862810S096	96" (2438)	90 ¹ / ₈ " (2289)	94 ³ / ₈ " (2397)	1 ³ / ₈ " (34.9)	3 ¹ / ₄ " (82.6)	1 ⁴ / ₄ " (6.3)	29.9 (13.5)
SB862810S108	108" (2743)	102 ³ / ₈ " (2600)	104 ⁷ / ₈ " (2664)	2 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	33.3 (15.1)
12" (305mm) Wide x 8¹/₂" (216mm) Deep							
SB862812S066	66" (1676)	60 ³ / ₈ " (1533)	62 ⁷ / ₈ " (1597)	2 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	21.9 (10.0)
SB862812S072	72" (1829)	67 ³ / ₈ " (1711)	69 ⁷ / ₈ " (1775)	1 ³ / ₈ " (34.9)	2" (50.8)	3 ⁴ / ₄ " (19.0)	24.0 (10.9)
SB862812S078	78" (1981)	72 ⁵ / ₈ " (1845)	76 ⁷ / ₈ " (1952)	1 ¹ / ₂ " (12.7)	2 ³ / ₄ " (69.9)	5 ⁸ / ₈ " (15.9)	25.7 (11.7)
SB862812S084	84" (2133)	79 ⁵ / ₈ " (2022)	80 ³ / ₈ " (2041)	3 ¹ / ₈ " (79.4)	1 ³ / ₄ " (44.5)	1 ² / ₂ " (12.7)	27.5 (12.5)
SB862812S090	90" (2286)	84 ⁷ / ₈ " (2156)	87 ³ / ₈ " (2219)	2 ¹ / ₄ " (57.2)	2 ¹ / ₂ " (63.5)	3 ⁸ / ₈ " (9.5)	28.9 (13.1)
SB862812S096	96" (2438)	90 ¹ / ₈ " (2289)	94 ³ / ₈ " (2397)	1 ³ / ₈ " (34.9)	3 ¹ / ₄ " (82.6)	1 ⁴ / ₄ " (6.3)	30.9 (14.0)
SB862812S108	108" (2743)	102 ³ / ₈ " (2600)	104 ⁷ / ₈ " (2664)	2 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	34.4 (15.6)

Finish___: Flat Black Powder Coat (FB) or Silver Powder Coat (SL)

A = Height of RCM+ vertical section without doors

B † = Height of RCM+ vertical section with doors properly installed

C † = Distance between the floor and the lowest part of the properly installed door

D = Distance between the top of the rack and the top of the RCM+ cable manager

E † = Distance between the top of the rack and the top of a properly installed door

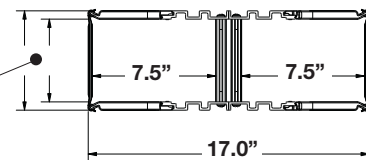
† Doors not furnished with this series of cable managers, can be ordered separately.

RCM+ Rack Mounted Vertical Cable Manager Double Sided Low Density Plastic Gate Style

- Double-sided SB862 Series cable managers with widely spaced fingers are designed for routing lower density cabling on and between racks.
- Double-Sided SB862 Series manager provides double cable capacity with gates on front and rear.
- Front and rear vertical sections can be spaced apart when mounting on racks deeper than 3" (76mm). This allows cables to be routed out through side openings created between vertical sections.
- Vertical cabling section can be used with horizontal cable managers to provide routing for lower cable density applications.
- Snap-on gates allow for quick opening from either side or complete removal.
- Open back design allows unrestricted routing of cables between front and rear cable managers.
- Installation is easy and can be done in minutes using standard hand tools.
- 1/4" accessory mounting holes run the full height on both sides of cable manager to accommodate the attachment of cable management accessories.
- Optional double-hinged doors can be snapped on for neater appearance if desired. (See page 93).
- Optional back cover with cable pass through openings, vertical slots for cable straps, and keyhole slots for attaching cable spools. (See page 92)
- UL Listed as a Communication Circuit Accessory. File No. E171936.
- Material: Aluminum with UL 94V-0 plastic components
- Finish: Flat Black Powder Coat (FB)
Silver Powder Coat (SL)
- Vertical cable manager includes:
(2) vertical cabling sections, (50) push-in fasteners, (12) cable strap mounts, (4) cable retainer bars, required number of gates, and mounting hardware.



Top View

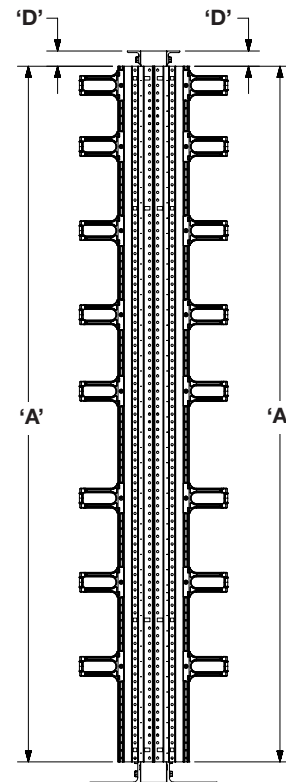
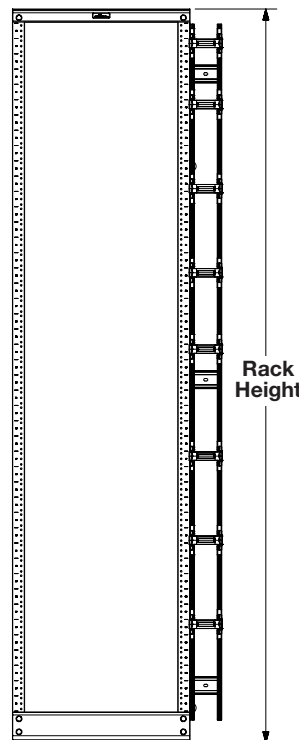


Outside Dim.	Inside Dim.
3.6"	2.6"
6.0"	5.0"
10.0"	9.0"
12.0"	11.0"



SB86286D084

U.S. Patent 7,362,941
Other Patents Pending



Continued on page 89.

RCM+ Rack Mounted Vertical Cable Manager cont. Double Sided Low Density Plastic Gate Style

Catalog Number	Fits Rack Height of In. (mm)	'A' In. (mm)	'B' † In. (mm)	'C' † In. (mm)	'D' In. (mm)	'E' † In. (mm)	Weight Each Lbs. (kg)
3⁵/₈" (92mm) Wide x 17" (432mm) Deep							
SB86283D066	66" (1676)	60 ³ / ₈ " (1533)	62 ⁷ / ₈ " (1597)	21 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	34.3 (15.6)
SB86283D072	72" (1829)	67 ³ / ₈ " (1711)	69 ⁷ / ₈ " (1775)	13 ⁸ / ₈ " (34.9)	2" (50.8)	3 ⁴ / ₄ " (19.0)	38.0 (17.2)
SB86283D078	78" (1981)	72 ⁵ / ₈ " (1845)	76 ⁷ / ₈ " (1952)	1 ¹ / ₂ " (12.7)	2 ³ / ₄ " (69.9)	5 ⁸ / ₈ " (15.9)	40.9 (18.6)
SB86283D084	84" (2133)	79 ⁵ / ₈ " (2022)	80 ³ / ₈ " (2041)	3 ¹ / ₈ " (79.4)	1 ³ / ₄ " (44.5)	1 ¹ / ₂ " (12.7)	44.1 (20.0)
SB86283D090	90" (2286)	84 ⁷ / ₈ " (2156)	87 ³ / ₈ " (2219)	21 ¹ / ₄ " (57.2)	2 ¹ / ₂ " (63.5)	3 ⁸ / ₈ " (9.5)	46.6 (21.2)
SB86283D096	96" (2438)	90 ¹ / ₈ " (2289)	94 ³ / ₈ " (2397)	13 ⁸ / ₈ " (34.9)	3 ¹ / ₄ " (82.6)	1 ⁴ / ₄ " (6.3)	49.4 (22.4)
SB86283D108	108" (2743)	102 ³ / ₈ " (2600)	104 ⁷ / ₈ " (2664)	21 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	55.6 (25.2)
6" (152mm) Wide x 17" (432mm) Deep							
SB86286D066	66" (1676)	60 ³ / ₈ " (1533)	62 ⁷ / ₈ " (1597)	21 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	35.9 (16.3)
SB86286D072	72" (1829)	67 ³ / ₈ " (1711)	69 ⁷ / ₈ " (1775)	13 ⁸ / ₈ " (34.9)	2" (50.8)	3 ⁴ / ₄ " (19.0)	39.6 (18.0)
SB86286D078	78" (1981)	72 ⁵ / ₈ " (1845)	76 ⁷ / ₈ " (1952)	1 ¹ / ₂ " (12.7)	2 ³ / ₄ " (69.9)	5 ⁸ / ₈ " (15.9)	42.6 (19.3)
SB86286D084	84" (2133)	79 ⁵ / ₈ " (2022)	80 ³ / ₈ " (2041)	3 ¹ / ₈ " (79.4)	1 ³ / ₄ " (44.5)	1 ¹ / ₂ " (12.7)	45.8 (20.8)
SB86286D090	90" (2286)	84 ⁷ / ₈ " (2156)	87 ³ / ₈ " (2219)	21 ¹ / ₄ " (57.2)	2 ¹ / ₂ " (63.5)	3 ⁸ / ₈ " (9.5)	48.4 (21.9)
SB86286D096	96" (2438)	90 ¹ / ₈ " (2289)	94 ³ / ₈ " (2397)	13 ⁸ / ₈ " (34.9)	3 ¹ / ₄ " (82.6)	1 ⁴ / ₄ " (6.3)	51.4 (23.3)
SB86286D108	108" (2743)	102 ³ / ₈ " (2600)	104 ⁷ / ₈ " (2664)	21 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	57.7 (26.2)
10" (254mm) Wide x 17" (432mm) Deep							
SB862810D066	66" (1676)	60 ³ / ₈ " (1533)	62 ⁷ / ₈ " (1597)	21 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	38.6 (17.5)
SB862810D072	72" (1829)	67 ³ / ₈ " (1711)	69 ⁷ / ₈ " (1775)	13 ⁸ / ₈ " (34.9)	2" (50.8)	3 ⁴ / ₄ " (19.0)	42.4 (19.2)
SB862810D078	78" (1981)	72 ⁵ / ₈ " (1845)	76 ⁷ / ₈ " (1952)	1 ¹ / ₂ " (12.7)	2 ³ / ₄ " (69.9)	5 ⁸ / ₈ " (15.9)	45.5 (20.6)
SB862810D084	84" (2133)	79 ⁵ / ₈ " (2022)	80 ³ / ₈ " (2041)	3 ¹ / ₈ " (79.4)	1 ³ / ₄ " (44.5)	1 ¹ / ₂ " (12.7)	48.7 (22.1)
SB862810D090	90" (2286)	84 ⁷ / ₈ " (2156)	87 ³ / ₈ " (2219)	21 ¹ / ₄ " (57.2)	2 ¹ / ₂ " (63.5)	3 ⁸ / ₈ " (9.5)	51.3 (23.3)
SB862810D096	96" (2438)	90 ¹ / ₈ " (2289)	94 ³ / ₈ " (2397)	13 ⁸ / ₈ " (34.9)	3 ¹ / ₄ " (82.6)	1 ⁴ / ₄ " (6.3)	54.8 (24.9)
SB862810D108	108" (2743)	102 ³ / ₈ " (2600)	104 ⁷ / ₈ " (2664)	21 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	61.2 (27.8)
12" (305mm) Wide x 17" (432mm) Deep							
SB862812D066	66" (1676)	60 ³ / ₈ " (1533)	62 ⁷ / ₈ " (1597)	21 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	39.9 (18.1)
SB862812D072	72" (1829)	67 ³ / ₈ " (1711)	69 ⁷ / ₈ " (1775)	13 ⁸ / ₈ " (34.9)	2" (50.8)	3 ⁴ / ₄ " (19.0)	43.8 (19.8)
SB862812D078	78" (1981)	72 ⁵ / ₈ " (1845)	76 ⁷ / ₈ " (1952)	1 ¹ / ₂ " (12.7)	2 ³ / ₄ " (69.9)	5 ⁸ / ₈ " (15.9)	46.9 (21.3)
SB862812D084	84" (2133)	79 ⁵ / ₈ " (2022)	80 ³ / ₈ " (2041)	3 ¹ / ₈ " (79.4)	1 ³ / ₄ " (44.5)	1 ¹ / ₂ " (12.7)	50.1 (22.7)
SB862812D090	90" (2286)	84 ⁷ / ₈ " (2156)	87 ³ / ₈ " (2219)	21 ¹ / ₄ " (57.2)	2 ¹ / ₂ " (63.5)	3 ⁸ / ₈ " (9.5)	52.8 (24.0)
SB862812D096	96" (2438)	90 ¹ / ₈ " (2289)	94 ³ / ₈ " (2397)	13 ⁸ / ₈ " (34.9)	3 ¹ / ₄ " (82.6)	1 ⁴ / ₄ " (6.3)	56.5 (25.6)
SB862812D108	108" (2743)	102 ³ / ₈ " (2600)	104 ⁷ / ₈ " (2664)	21 ¹ / ₄ " (57.2)	3" (76.2)	7 ⁸ / ₈ " (22.2)	63.0 (28.6)

Finish___: Flat Black Powder Coat (FB) or Silver Powder Coat (SL)

A = Height of RCM+ vertical section without doors

B † = Height of RCM+ vertical section with doors properly installed

C † = Distance between the floor and the lowest part of the properly installed door

D = Distance between the top of the rack and the top of the RCM+ cable manager

E † = Distance between the top of the rack and the top of a properly installed door

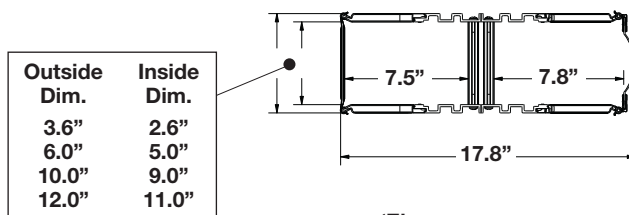
† Doors not furnished with this series of cable managers, can be ordered separately.

RCM+ Rack Mounted Vertical Cable Manager With Cover cont. Double Sided Dual Density Style

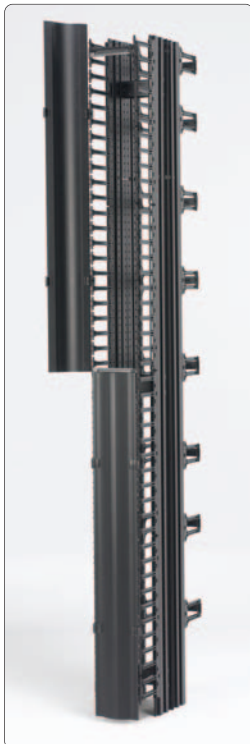
- SB864 Series cable managers utilize our SB860 and SB862 Series cable managers in back-to-back combination for use in applications with widely differing cable management requirements.
- Front and rear vertical sections can be spaced apart when mounting on racks deeper than 3" (76mm). This allows cables to be routed out through side openings created between the vertical sections.
- Two-piece doors on one side with snap on hinges allow for quick opening from either side or complete removal.
- Snap-on gates on both sides allows for quick opening from either side or complete removal.
- Open back design allows unrestricted routing of cables between front and rear sections.
- Installation is easy and can be done in minutes using standard hand tools.
- 1/4" accessory mounting holes run the full height on both sides of cable manager to accommodate the attachment of cable management accessories.
- Optional back cover with pass through openings and vertical slots for attaching cable straps. (See page 94).
- UL Listed as a Communication Circuit Accessory. File No. E171936.
- Material: Aluminum with UL 94V-0 black plastic components
- Finish: Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
- Vertical cable manager includes:
(2) vertical cabling sections, (2) doors, (50) push-in fasteners, (12) cable strap mounts, (4) cable retainer bars, required number of gates and mounting hardware.



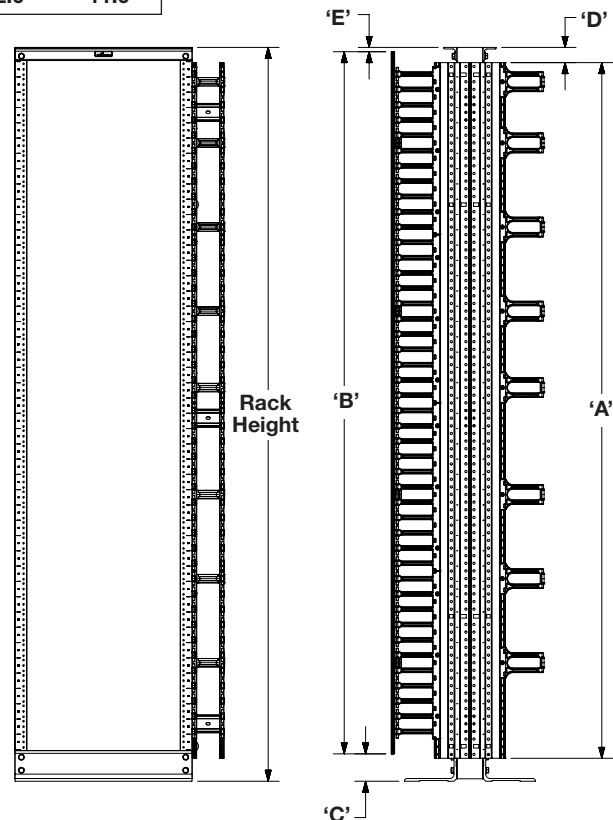
Top View



U.S. Patent 7,362,941
Other Patents Pending



SB86486D084



Continued on page 91.

RCM+ Rack Mounted Vertical Cable Manager cont. Double Sided Dual Density Plastic Gate Style

Catalog Number	Fits Rack Height of		‘A’		‘B’		‘C’		‘D’		‘E’		Weight Each	
	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
3 ⁵ / ₈ " (92mm) Wide x 17 ³ / ₄ " (454mm) Deep														
SB86483D066__	66"	(1676)	60 ³ / ₈ "	(1533)	62 ⁷ / ₈ "	(1597)	21 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	34.9	(15.8)
SB86483D072__	72"	(1829)	67 ³ / ₈ "	(1711)	69 ⁷ / ₈ "	(1775)	1 ³ / ₈ "	(34.9)	2"	(50.8)	3 ⁴ / ₄ "	(19.0)	38.6	(17.5)
SB86483D078__	78"	(1981)	72 ⁵ / ₈ "	(1845)	76 ⁷ / ₈ "	(1952)	1 ¹ / ₂ "	(12.7)	2 ³ / ₄ "	(69.9)	5 ⁸ / ₈ "	(15.9)	41.5	(18.8)
SB86483D084__	84"	(2133)	79 ⁵ / ₈ "	(2022)	80 ³ / ₈ "	(2041)	3 ¹ / ₈ "	(79.4)	1 ³ / ₄ "	(44.5)	1 ¹ / ₂ "	(12.7)	44.7	(20.3)
SB86483D090__	90"	(2286)	84 ⁷ / ₈ "	(2156)	87 ³ / ₈ "	(2219)	21 ¹ / ₄ "	(57.2)	21 ¹ / ₂ "	(63.5)	3 ⁸ / ₈ "	(9.5)	47.5	(21.5)
SB86483D096__	96"	(2438)	90 ¹ / ₈ "	(2289)	94 ³ / ₈ "	(2397)	1 ³ / ₈ "	(34.9)	31 ¹ / ₄ "	(82.6)	1 ¹ / ₄ "	(6.3)	50.5	(22.9)
SB86483D108__	108"	(2743)	102 ³ / ₈ "	(2600)	104 ⁷ / ₈ "	(2664)	21 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	56.6	(25.5)
6" (152mm) Wide x 17 ³ / ₄ " (454mm) Deep														
SB86486D066__	66"	(1676)	60 ³ / ₈ "	(1533)	62 ⁷ / ₈ "	(1597)	21 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	35.9	(16.3)
SB86486D072__	72"	(1829)	67 ³ / ₈ "	(1711)	69 ⁷ / ₈ "	(1775)	1 ³ / ₈ "	(34.9)	2"	(50.8)	3 ⁴ / ₄ "	(19.0)	39.6	(18.0)
SB86486D078__	78"	(1981)	72 ⁵ / ₈ "	(1845)	76 ⁷ / ₈ "	(1952)	1 ¹ / ₂ "	(12.7)	2 ³ / ₄ "	(69.9)	5 ⁸ / ₈ "	(15.9)	42.6	(19.3)
SB86486D084__	84"	(2133)	79 ⁵ / ₈ "	(2022)	80 ³ / ₈ "	(2041)	3 ¹ / ₈ "	(79.4)	1 ³ / ₄ "	(44.5)	1 ¹ / ₂ "	(12.7)	45.8	(20.8)
SB86486D090__	90"	(2286)	84 ⁷ / ₈ "	(2156)	87 ³ / ₈ "	(2219)	21 ¹ / ₄ "	(57.2)	21 ¹ / ₂ "	(63.5)	3 ⁸ / ₈ "	(9.5)	48.4	(21.9)
SB86486D096__	96"	(2438)	90 ¹ / ₈ "	(2289)	94 ³ / ₈ "	(2397)	1 ³ / ₈ "	(34.9)	31 ¹ / ₄ "	(82.6)	1 ¹ / ₄ "	(6.3)	51.4	(23.3)
SB86486D108__	108"	(2743)	102 ³ / ₈ "	(2600)	104 ⁷ / ₈ "	(2664)	21 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	57.7	(26.2)
10" (254mm) Wide x 17 ³ / ₄ " (454mm) Deep														
SB864810D066__	66"	(1676)	60 ³ / ₈ "	(1533)	62 ⁷ / ₈ "	(1597)	21 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	38.6	(17.5)
SB864810D072__	72"	(1829)	67 ³ / ₈ "	(1711)	69 ⁷ / ₈ "	(1775)	1 ³ / ₈ "	(34.9)	2"	(50.8)	3 ⁴ / ₄ "	(19.0)	42.4	(19.2)
SB864810D078__	78"	(1981)	72 ⁵ / ₈ "	(1845)	76 ⁷ / ₈ "	(1952)	1 ¹ / ₂ "	(12.7)	2 ³ / ₄ "	(69.9)	5 ⁸ / ₈ "	(15.9)	45.5	(20.6)
SB864810D084__	84"	(2133)	79 ⁵ / ₈ "	(2022)	80 ³ / ₈ "	(2041)	3 ¹ / ₈ "	(79.4)	1 ³ / ₄ "	(44.5)	1 ¹ / ₂ "	(12.7)	48.7	(22.1)
SB864810D090__	90"	(2286)	84 ⁷ / ₈ "	(2156)	87 ³ / ₈ "	(2219)	21 ¹ / ₄ "	(57.2)	21 ¹ / ₂ "	(63.5)	3 ⁸ / ₈ "	(9.5)	51.3	(23.3)
SB864810D096__	96"	(2438)	90 ¹ / ₈ "	(2289)	94 ³ / ₈ "	(2397)	1 ³ / ₈ "	(34.9)	31 ¹ / ₄ "	(82.6)	1 ¹ / ₄ "	(6.3)	54.8	(24.9)
SB864810D108__	108"	(2743)	102 ³ / ₈ "	(2600)	104 ⁷ / ₈ "	(2664)	21 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	61.2	(27.8)
12" (305mm) Wide x 17 ³ / ₄ " (454mm) Deep														
SB864812D066__	66"	(1676)	60 ³ / ₈ "	(1533)	62 ⁷ / ₈ "	(1597)	21 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	39.9	(18.1)
SB864812D072__	72"	(1829)	67 ³ / ₈ "	(1711)	69 ⁷ / ₈ "	(1775)	1 ³ / ₈ "	(34.9)	2"	(50.8)	3 ⁴ / ₄ "	(19.0)	43.8	(19.8)
SB864812D078__	78"	(1981)	72 ⁵ / ₈ "	(1845)	76 ⁷ / ₈ "	(1952)	1 ¹ / ₂ "	(12.7)	2 ³ / ₄ "	(69.9)	5 ⁸ / ₈ "	(15.9)	46.9	(21.3)
SB864812D084__	84"	(2133)	79 ⁵ / ₈ "	(2022)	80 ³ / ₈ "	(2041)	3 ¹ / ₈ "	(79.4)	1 ³ / ₄ "	(44.5)	1 ¹ / ₂ "	(12.7)	50.1	(22.7)
SB864812D090__	90"	(2286)	84 ⁷ / ₈ "	(2156)	87 ³ / ₈ "	(2219)	21 ¹ / ₄ "	(57.2)	21 ¹ / ₂ "	(63.5)	3 ⁸ / ₈ "	(9.5)	52.8	(24.0)
SB864812D096__	96"	(2438)	90 ¹ / ₈ "	(2289)	94 ³ / ₈ "	(2397)	1 ³ / ₈ "	(34.9)	31 ¹ / ₄ "	(82.6)	1 ¹ / ₄ "	(6.3)	56.5	(25.6)
SB864812D108__	108"	(2743)	102 ³ / ₈ "	(2600)	104 ⁷ / ₈ "	(2664)	21 ¹ / ₄ "	(57.2)	3"	(76.2)	7 ⁸ / ₈ "	(22.2)	63.0	(28.6)

Finish__ : Flat Black Powder Coat (FB) or Silver Powder Coat (SL)



Popular Bee List items include (FB) 84" high in 3⁵/₈", 6" and 10" widths

A = Height of RCM+ vertical section without doors

B = Height of RCM+ vertical section with doors properly installed

C = Distance between the floor and the lowest part of the properly installed door

D = Distance between the top of the rack and the top of the RCM+ cable manager

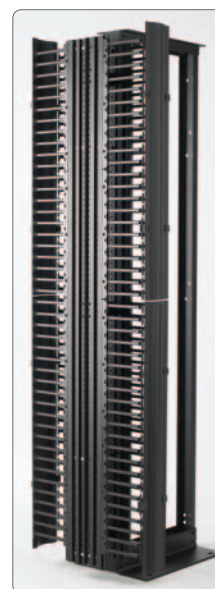
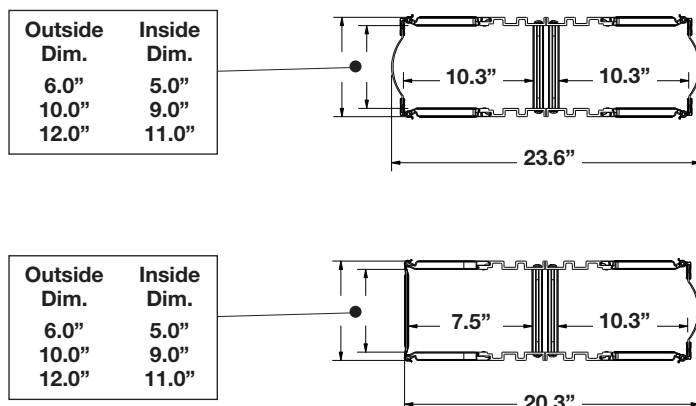
E = Distance between the top of the rack and the top of a properly installed door

Note: Doors are not furnished on rear side cable managers, can be ordered separately.

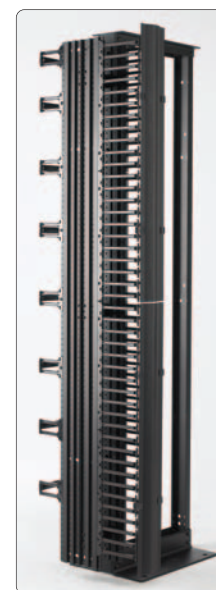
RCM+ Extended Depth Vertical Cable Managers

- Used to provide a vertical cabling pathway for two-post and four-post rack applications.
- Constructed of an aluminum frame with UL 94V-0 plastic cable manager fingers.
- Extended finger depth adds 33% more cable carrying capacity compared to the same-sized RCM+ vertical section.
- Stronger plastic fingers are designed for use with heavier, modern, high performance cabling media like CAT6, CAT6A and shielded copper cable or fiber optic cable and have a radius edge on the fingers to help control bend radius.
- Ideal for use with angled patch panels.
- SB860 Series managers feature high density finger sections on both the front and rear side of the cable manager section.
- SB864 Series managers feature high density finger sections on the front of the cable manager and cable retention gates on the rear of the cable manager to accommodate large cable bundles.
- Two piece doors with snap-on hinges allow for quick opening from either side or complete removal.
- Open back design allows for free movement of cable from front to rear cable manager sections.
- Doors, cable retention gates, cable retainer bars, cable strap mounts, push-in fasteners and mounting hardware are included.
- Spools are included with 10" and 12" wide versions.
- Available in Black (FB) or Silver (SL) Powder Coat.

Top Views



SB86010xxD084



SB86410xxD084

Part Number	Height		Depth		Width		Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB860106D084	84"	(2133)	23 ⁵ / ₈ "	(600)	6"	(152)	47.5	(22.0)
SB8601010D084	84"	(2133)	23 ⁵ / ₈ "	(600)	10"	(254)	66.3	(30.0)
SB8601012D084	84"	(2133)	23 ⁵ / ₈ "	(600)	12"	(305)	77.0	(35.0)
SB864106D084	84"	(2133)	20 ⁵ / ₁₆ "	(516)	6"	(152)	41.2	(19.0)
SB8641010D084	84"	(2133)	20 ⁵ / ₁₆ "	(516)	10"	(254)	47.1	(21.0)
SB8641012D084	84"	(2133)	20 ⁵ / ₁₆ "	(516)	12"	(305)	52.9	(24.0)

RCM+ Vertical Cable Manager Door Kit

- Additional doors are designed to fit SB860, SB862, and SB864 Series vertical cable managers.
- Double-hinge doors open in either direction, and can quickly be removed for easy cable access.
- Select appropriate vertical cable manager height and width prior to selecting door.
- Material: Aluminum with UL 94V-0 black plastic components
- Finish: Flat Black Powder Coat (FB) or Silver Powder Coat (SL)

Catalog Number	Fits Rack Height of		Weight	
	In.	(mm)	Lbs.	(kg)
3 ⁵ / ₈ " (92mm) Wide				
SB862HRD3066__	66"	(1676)	3.2	(1.5)
SB862HRD3072__	72"	(1829)	3.5	(1.6)
SB862HRD3078__	78"	(1981)	3.7	(1.7)
SB862HRD3084__	84"	(2133)	3.8	(1.7)
SB862HRD3090__	90"	(2286)	4.1	(1.9)
SB862HRD3096__	96"	(2438)	4.3	(2.0)
SB862HRD3108__	108"	(2743)	4.6	(2.1)
6" (152mm) Wide				
SB862HRD6066__	66"	(1676)	5.4	(2.5)
SB862HRD6072__	72"	(1829)	5.9	(2.7)
SB862HRD6078__	78"	(1981)	6.4	(2.9)
SB862HRD6084__	84"	(2133)	6.6	(3.0)
SB862HRD6090__	90"	(2286)	7.1	(3.2)
SB862HRD6096__	96"	(2438)	7.6	(3.4)
SB862HRD6108__	108"	(2743)	8.1	(3.7)
10" (254mm) Wide				
SB862HRD10066__	66"	(1676)	8.1	(3.7)
SB862HRD10072__	72"	(1829)	8.8	(4.0)
SB862HRD10078__	78"	(1981)	9.5	(4.3)
SB862HRD10084__	84"	(2133)	9.9	(4.5)
SB862HRD10090__	90"	(2286)	10.6	(4.8)
SB862HRD10096__	96"	(2438)	11.4	(5.2)
SB862HRD10108__	108"	(2743)	12.2	(5.5)
12" (305mm) Wide				
SB862HRD12066__	66"	(1676)	12.2	(5.5)
SB862HRD12072__	72"	(1829)	13.4	(6.1)
SB862HRD12078__	78"	(1981)	14.5	(6.6)
SB862HRD12084__	84"	(2133)	15.2	(6.9)
SB862HRD12090__	90"	(2286)	16.3	(7.4)
SB862HRD12096__	96"	(2438)	17.5	(7.9)
SB862HRD12108__	108"	(2743)	18.7	(8.5)

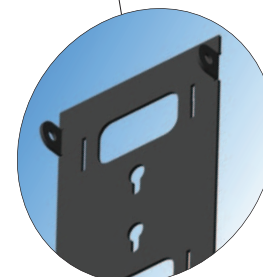


Each catalog number includes a two-piece door as shown.

RCM+ Vertical Cable Manager Back Removable Cover

- The back cover provides closure on the rear side of SB860, SB862, and SB864 vertical cable managers.
- Back covers are designed with pass through openings for cable routing, slots for cable straps, and keyhole slots for attaching cable spools.
- Includes mounting hardware.
- Material: Aluminum
- Finish: Flat Black Powder Coat (FB) or Silver Powder Coat (SL)

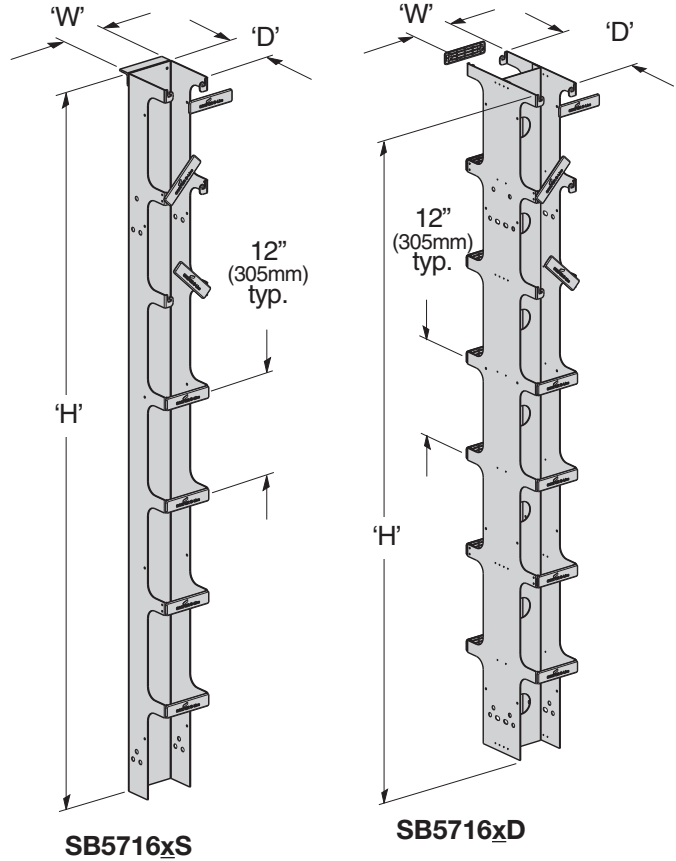
Catalog Number	Fits Rack Height of		Weight	
	In.	(mm)	Lbs.	(kg)
3 ⁵ / ₈ " (92mm) Wide				
SB862BRC3066__	66"	(1676)	3.1	(1.4)
SB862BRC3072__	72"	(1829)	3.4	(1.5)
SB862BRC3078__	78"	(1981)	3.6	(1.6)
SB862BRC3084__	84"	(2133)	3.9	(1.8)
SB862BRC3090__	90"	(2286)	3.9	(1.8)
SB862BRC3096__	96"	(2438)	4.3	(2.0)
SB862BRC3108__	108"	(2743)	4.8	(2.2)
6" (152mm) Wide				
SB862BRC6066__	66"	(1676)	4.6	(2.1)
SB862BRC6072__	72"	(1829)	4.9	(2.2)
SB862BRC6078__	78"	(1981)	5.3	(2.4)
SB862BRC6084__	84"	(2133)	5.7	(2.6)
SB862BRC6090__	90"	(2286)	5.7	(2.6)
SB862BRC6096__	96"	(2438)	6.4	(2.9)
SB862BRC6108__	108"	(2743)	7.2	(3.3)
10" (254mm) Wide				
SB862BRC10066__	66"	(1676)	6.9	(3.1)
SB862BRC10072__	72"	(1829)	7.5	(3.4)
SB862BRC10078__	78"	(1981)	8.2	(3.7)
SB862BRC10084__	84"	(2133)	8.8	(4.0)
SB862BRC10090__	90"	(2286)	8.8	(4.0)
SB862BRC10096__	96"	(2438)	10.0	(4.5)
SB862BRC10108__	108"	(2743)	11.2	(5.1)
12" (305mm) Wide				
SB862BRC12066__	66"	(1676)	8.1	(3.7)
SB862BRC12072__	72"	(1829)	8.9	(4.0)
SB862BRC12078__	78"	(1981)	9.6	(4.3)
SB862BRC12084__	84"	(2133)	10.3	(4.7)
SB862BRC12090__	90"	(2286)	10.3	(4.7)
SB862BRC12096__	96"	(2438)	11.8	(5.3)
SB862BRC12108__	108"	(2743)	13.2	(6.0)



mounting legs

Rack Mounted Vertical Cabling Section Dual Hinging Removable Plastic Gate Style

- Use to provide vertical cable management between equipment racks.
- Available in both single and double sided.
- Convenient dual hinging, removable gates are designed for quick and easy cable installation.
- Edges radius milled to protect cables.
- Packages assembled in protective carton suitable for parcel shipment.
- Fits 3" (76mm) or 6" (152mm) upright web equipment racks.
- Includes: 1/2"-13 mounting hardware.
- Material: 5052-H32 aluminum
- Finish ____: Brushed (AL),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
(Other finishes available upon request)
- Ordering: Specify part number and finish abbreviation.



Accessory Part Number	Type of Kit
SB571BUSHINGKIT	Bushing Kit
SB571GROMMETKIT	Grommet Kit

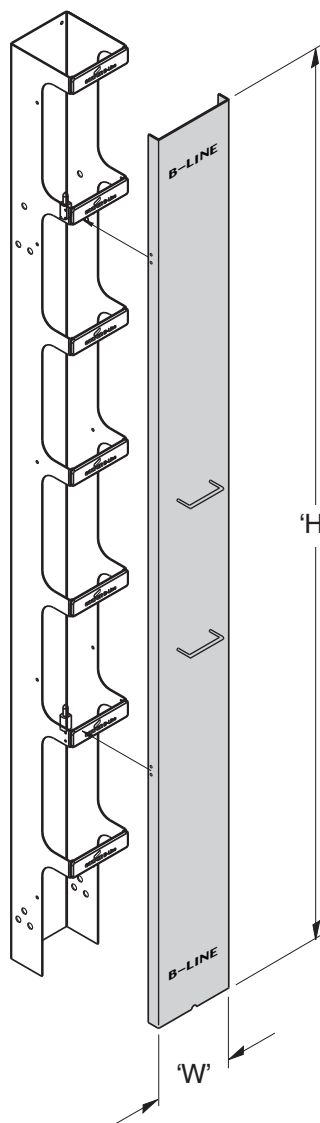
	Part Number	Height 'H'		Depth 'D'		Width 'W'		Weight	
		In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
	SB57163S084__	84"	(2133)	6 ³ / ₈ "	(162)	3 ⁵ / ₈ "	(92)	8.0	(3.6)
	SB57163D084__	84"	(2133)	12 ³ / ₄ "	(324)	3 ⁵ / ₈ "	(92)	24.1	(10.9)
	SB57166S084__	84"	(2133)	6 ³ / ₈ "	(162)	6"	(152)	10.6	(4.8)
	SB57166D084__	84"	(2133)	12 ³ / ₄ "	(324)	6"	(152)	25.0	(11.3)
	SB57163S096__	96"	(2438)	6 ³ / ₈ "	(162)	3 ⁵ / ₈ "	(92)	9.6	(4.3)
	SB57163D096__	96"	(2438)	12 ³ / ₄ "	(324)	3 ⁵ / ₈ "	(92)	26.5	(12.0)
	SB57166S096__	96"	(2438)	6 ³ / ₈ "	(162)	6"	(152)	12.1	(5.5)
	SB57166D096__	96"	(2438)	12 ³ / ₄ "	(324)	6"	(152)	28.6	(13.0)
	SB57163S108__	108"	(2743)	6 ³ / ₈ "	(162)	3 ⁵ / ₈ "	(92)	19.0	(8.6)
	SB57163D108__	108"	(2743)	12 ³ / ₄ "	(324)	3 ⁵ / ₈ "	(92)	32.0	(14.5)
	SB57166S108__	108"	(2743)	6 ³ / ₈ "	(162)	6"	(152)	21.0	(9.5)
	SB57166D108__	108"	(2743)	12 ³ / ₄ "	(324)	6"	(152)	36.0	(16.3)



FB & AL are popular Bee List items

Cover for SB571 Series Rack Mounted Vertical Cable Manager Hinged Aluminum

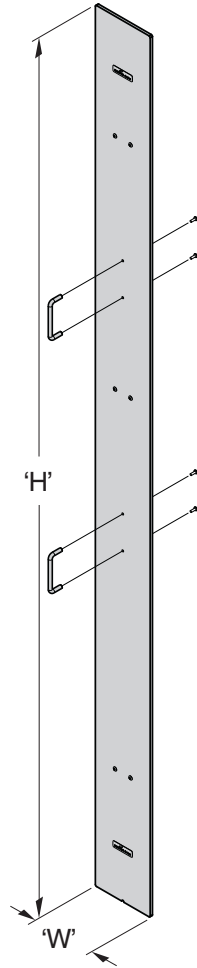
- Conceals cables for a more professional appearance.
- Designed to hinge open as well as lift off.
- Available in 84" (2133mm) and 96" (2438mm) heights.
- Available in 3.65" (93mm) and 6" (152mm) widths.
- Handles assist in removal and attachment.
- Includes cover with handles, hinges, tape and hardware.
- Material: 1/8" (3mm) aluminum
- Finish ____: Brushed (AL),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
(Other finishes available upon request)



Part Number	Height 'H'		Width 'W'		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB571HRC3084	83 ¹ / ₄ "	(2114)	5 ⁷ / ₁₆ "	(138)	9.5	(4.31)
SB571HRC6084	83 ¹ / ₄ "	(2114)	7 ¹³ / ₁₆ "	(198)	11.8	(5.35)
SB571HRC3096	95 ¹ / ₄ "	(2419)	5 ⁷ / ₁₆ "	(138)	10.5	(4.76)
SB571HRC6096	95 ¹ / ₄ "	(2419)	7 ¹³ / ₁₆ "	(198)	13.0	(5.89)

Cover for SB571 Series Rack Mounted Vertical Cable Manager Black Acrylic Plexiglass

- Conceals cables for a more professional appearance.
- Designed to enhance SB571 series cabling sections.
- Available in 84" (2133mm) and 96" (2438mm) heights.
- Handles assist in removal and attachment.
- Material: 1/4" (6mm) black acrylic plexiglass



Back View

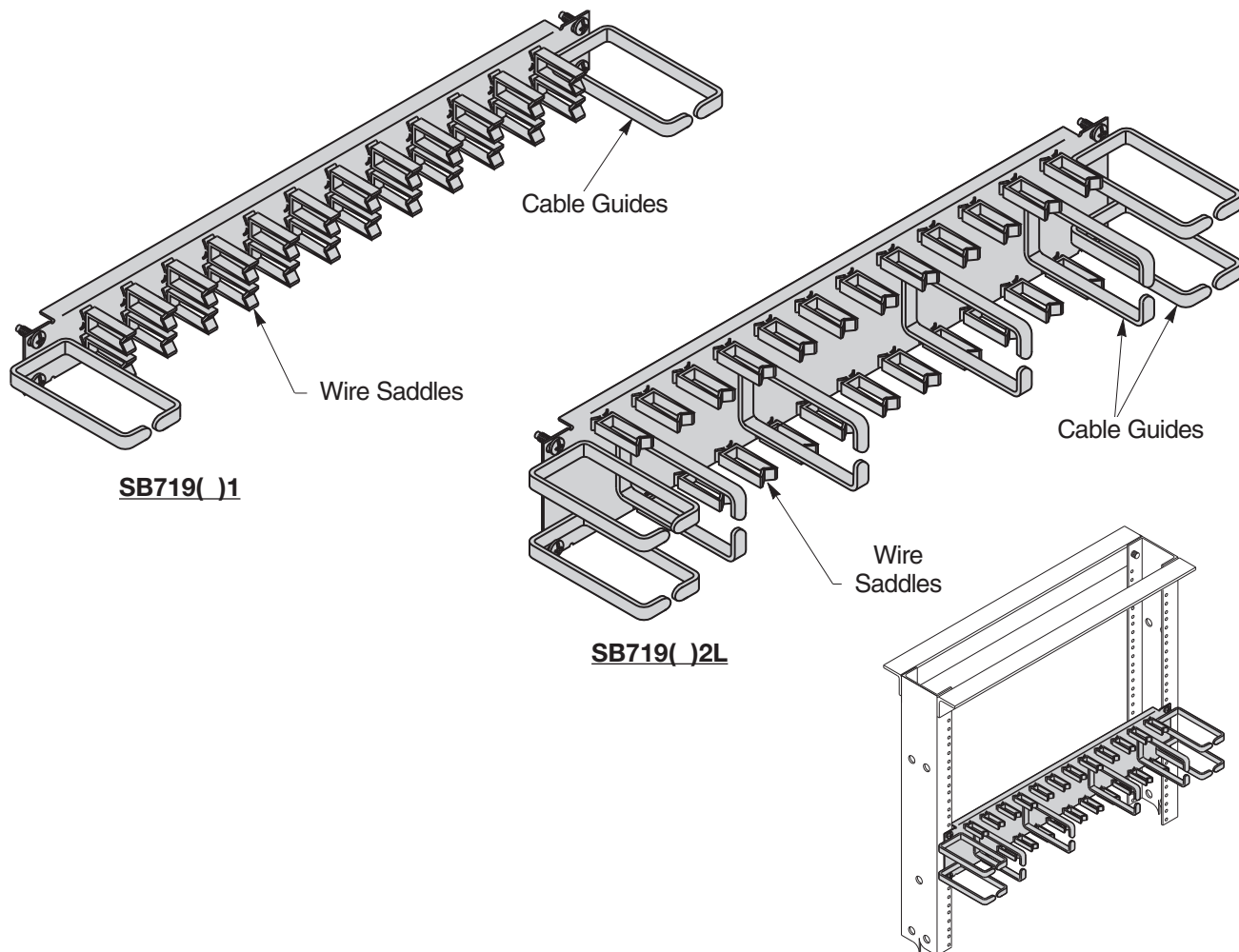


Part Number	Height 'H'		Width 'W'		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB571CVR3084	84"	(2133)	3 ⁵ / ₈ "	(92)	5.9	(2.7)
SB571CVR6084	84"	(2133)	6"	(152)	6.4	(6.4)
SB571CVR3096	96"	(2438)	3 ⁵ / ₈ "	(92)	6.2	(2.8)
SB571CVR6096	96"	(2438)	6"	(152)	6.7	(3.0)

Rack Mounted Patch Cord Organizer

- Use to organize and provide strain relief for horizontal or vertical cable runs between equipment.
- Cable rings are welded to panel for reliability and strength.
- Includes: #12-24 mounting hardware.
- Material: Panel & cable rings - ASTM A569 steel
Wire saddles - Nylon.
- Finishes__: Panel & cable rings - Flat Black Powder Coat (FB) or Telco Gray Powder Coat (TG)
Other finishes are available upon request.

Wire saddles - Natural



Part Number	Rack Width		Mounting Spaces	Number Of Wire Saddles	Weight	
	In.	(mm)			Lbs.	(kg)
SB719191__	19"	(482)	1	24	2.3	(1.04)
SB719192L__	19"	(482)	2	24	2.8	(1.27)
SB719231__	23"	(584)	1	30	2.8	(1.27)
SB719232L__	23"	(584)	2	30	3.4	(1.54)

RCM+ Rack Mounted Horizontal Cable Manager With Cover Plastic Finger Style

- SB870 Series horizontal manager with snap-on removable hinged door opens past 180°, and remains open in up position for convenient cable access.
- #12-24 mounting hardware is included.
- UL Listed as a Communication Circuit Accessory. File No. E171936.
- Material: Steel - 14 ga. (ASTM A569) with UL 94V-0 black plastic components.
- Finishes___: Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
- SX series managers are used with extended depth vertical cable managers on page 92. Features 2.5" (63mm) longer fingers than the standard manager.

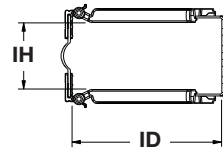


SB87019S2FB



Inside Dimensions of Cable Managers

Style	Height (IH)	Depth (ID)
S1	0.7"	5.5"
S2	2.4"	5.5"
S3	4.2"	5.5"
S4	5.9"	5.5"
SX1	0.7"	8.0"
SX2	2.4"	8.0"
SX3	4.2"	8.0"
SX4	5.9"	8.0"



Catalog Number	Width		Height	Weight	
	In.	(mm)		Lbs.	(kg)
 SB87019S1___	19"	(482)	1U	2.1	(0.9)
SB87023S1___	23"	(584)	1U	2.3	(1.0)
 SB87019S2___	19"	(482)	2U	2.5	(1.1)
SB87023S2___	23"	(584)	2U	2.7	(1.2)
 SB87019S3___	19"	(482)	3U	2.8	(1.3)
SB87023S3___	23"	(584)	3U	3.1	(1.4)
SB87019S4___	19"	(482)	4U	3.2	(1.4)
SB87023S4___	23"	(584)	4U	3.6	(1.6)
Extended Fingers					
SB87019SX1___	19"	(482)	1U	2.4	(1.1)
SB87019SX2___	19"	(482)	2U	3.1	(1.4)
SB87019SX3___	19"	(482)	3U	3.8	(1.7)
SB87019SX4___	19"	(482)	4U	4.4	(2.0)

 FB is a popular Bee List item

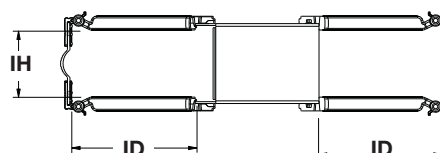
RCM+ Rack Mounted Double Sided Horizontal Cable Manager With Cover Plastic Finger Style

- Used to provide a horizontal pathway for cabling on both sides of a two-post rack in the same RMU spacing.
- #12-24 mounting hardware is included.
- Radiused plastic cable manager fingers help control bend radius
- Snap-on, removable, hinged aluminum doors that open past 180° and remain open in the up position for convenient cable access.
- Stylized door that complements the look of the RCM+ system.
- Open frame design allows for free movement of cables from the front to the back of the cable manager.
- Designed to work with all high performance copper and fiber optic communications media.
- Material: Steel - 14 ga. (ASTM A569) with UL 94V-0 black plastic components.
- Finishes___: Flat Black Powder Coat (FB) or Silver Powder Coat (SL)
- DX series managers are used with extended depth vertical cable managers on page 92. Features 2.5" (63mm) longer fingers than the standard manager.



Inside Dimensions of Cable Managers

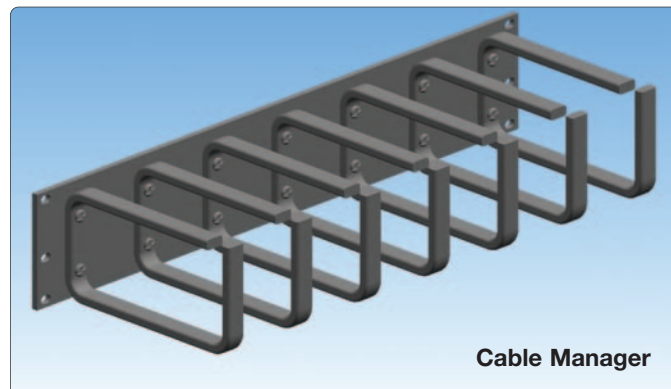
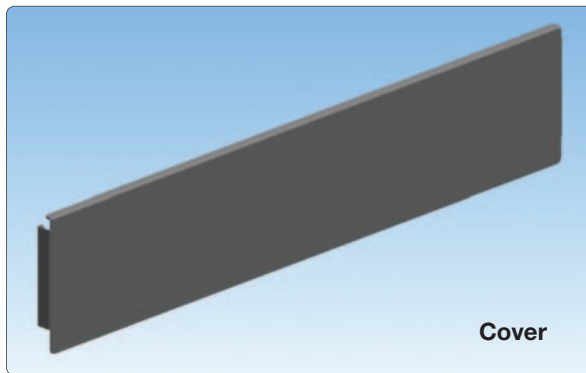
Style	Height (IH)	Depth (ID)
D1	0.7"	5.5"
D2	2.4"	5.5"
D3	4.2"	5.5"
DX1	0.7"	8.0"
DX2	2.4"	8.0"
DX3	4.2"	8.0"



Catalog Number	Width		Height	Weight	
	In.	(mm)		Lbs.	(kg)
SB87019D1___	19"	(482)	1U	3.0	(1.3)
SB87023D1___	23"	(584)	1U	3.4	(1.5)
SB87019D2___	19"	(482)	2U	3.8	(1.7)
SB87023D2___	23"	(584)	2U	4.2	(1.9)
SB87019D3___	19"	(482)	3U	4.8	(2.2)
SB87023D3___	23"	(584)	3U	5.2	(2.3)
extended Fingers					
SB87019DX1___	19"	(482)	1U	3.3	(1.5)
SB87019DX2___	19"	(482)	2U	4.2	(1.9)
SB87019DX3___	19"	(482)	3U	5.1	(2.3)

Rack Mounted Horizontal Cable Manager Aluminum D-Ring Style

- SB814 Series horizontal managers, with cable rings positioned on 2³/₄" (70mm) intervals, are designed to manage large cable bundles.
- Snap-on covers are designed for easy attachment and provide neater appearance (order separately).
- #12-24 mounting hardware included.
- Material: Aluminum
- Finish: Flat Black Powder Coat (FB)



Catalog Number	EIA Mtg. Width In.	Ring Size		Mtg. Spaces	Weight	
		In.	(mm)		Lbs.	(kg)
Cable Manager Only						
SB814192X6FB	19"	3 ³ / ₈ " x 6"	(86 x 152)	2	3.85	(1.74)
Cover For Cable Manager						
SB81419CVRFB	19"	--	--	-	0.25	(0.11)



FB is a popular Bee List item

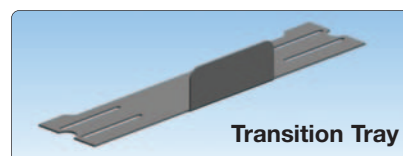
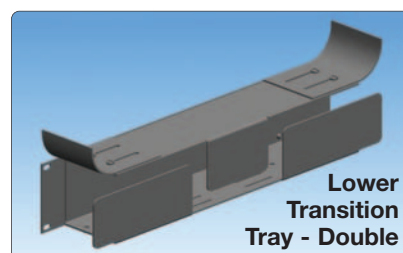
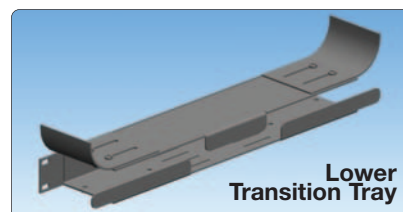
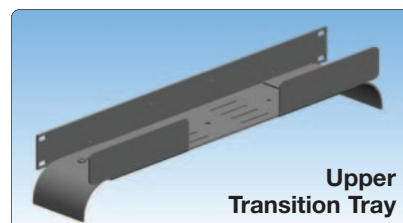
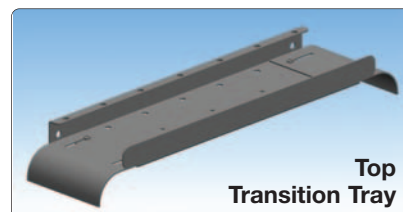
Rack Mounted Horizontal Transition Trays For Patchcords and Jumpers

- Transition trays offer top and bottom field adjustable horizontal cable management support.
- Bend radius is 1 1/2" (38mm).
- Available for 19" (482mm) and 23" (584mm) racks.
- Material: Aluminum
- Finish___: Flat Black Powder Coat (FB) or Silver Powder Coat (SL)

Catalog Number	Depth		Width		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
Top Transition Tray - 1 1/2" (38mm) High						
SB81319TT3__	3 1/2"	(89)	19"	(482)	3.0	(1.36)
SB81319TT6__	6"	(152)	19"	(482)	4.0	(1.81)
SB81323TT3__	3 1/2"	(89)	23"	(584)	4.0	(1.81)
SB81323TT6__	6"	(152)	23"	(584)	5.0	(2.27)
Upper Transition Tray						
SB81319UT3__	3 1/2"	(92)	19"	(482)	3.0	(1.36)
SB81319UT6__	6"	(152)	19"	(482)	4.0	(1.81)
SB81323UT3__	3 1/2"	(92)	23"	(584)	4.0	(1.81)
SB81323UT6__	6"	(152)	23"	(584)	5.0	(2.27)
Lower Transition Tray						
SB81319LT3__	3 1/2"	(92)	19"	(482)	4.0	(1.81)
SB81319LT6__	6"	(152)	19"	(482)	5.0	(2.27)
SB81323LT3__	3 1/2"	(92)	23"	(584)	5.0	(2.27)
SB81323LT6__	6"	(152)	23"	(584)	6.0	(2.72)
Lower Transition Tray - Double - 3 1/2" (89mm) High						
SB81319LTD3__	3 1/2"	(92)	19"	(482)	4.0	(1.81)
SB81319LTD6__	6"	(152)	19"	(482)	5.0	(2.27)
SB81323LTD3__	3 1/2"	(92)	23"	(584)	5.0	(2.27)
SB81323LTD6__	6"	(152)	23"	(584)	6.0	(2.72)
Transition Tray - 1 7/8" (47mm) High						
SB813TP3__	3 1/4"	(82)	15.8"	(401)	2.0	(0.91)
SB813TP6__	5 3/4"	(146)	15.8"	(401)	4.0	(1.81)



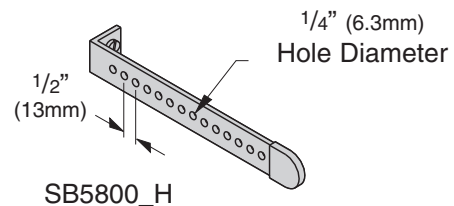
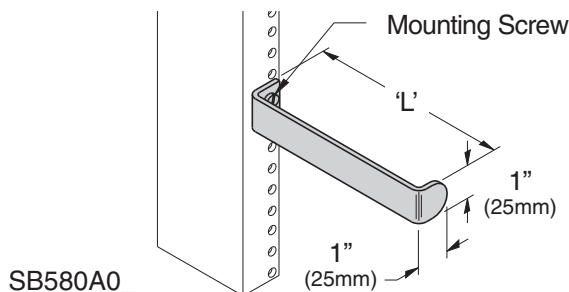
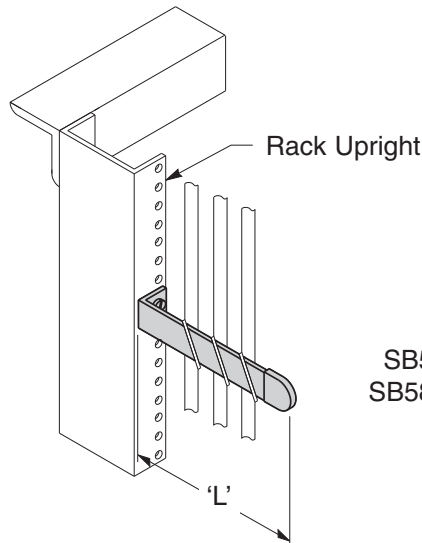
FB is a popular Bee List item



Metal Cable Tie Brackets

- Use with cable ties to secure cable runs.
- Includes: (1) bracket, (1) plastic end cap and #12-24 mounting hardware.
- SB580__H Series tie brackets have two (2) mounting holes.
- SB580 and SB580A Series tie brackets have one (1) mounting hole.
- Material: ASTM A570 structural steel
- Finish: Yellow Zinc (YZ),
Flat Black Powder Coat (FB) or
Telco Gray Powder Coat (TG)

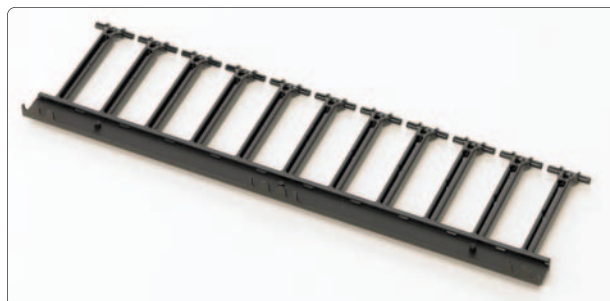
Part Number	Length 'L'		Weight Each	
	In.	(mm)	Lbs.	(kg)
SB580__	6"	(152)	0.40	(0.18)
SB58008__	8"	(203)	0.47	(0.21)
SB58006H__	6"	(152)	0.39	(0.18)
SB58008H__	8"	(203)	0.46	(0.21)
SB580A06__	6"	(152)	0.46	(0.21)
SB580A08__	8"	(152)	0.52	(0.24)



 YZ is a popular Bee List item

RCM+ Cable Management Finger Bracket Rack Mountable 11U Plastic Finger Section

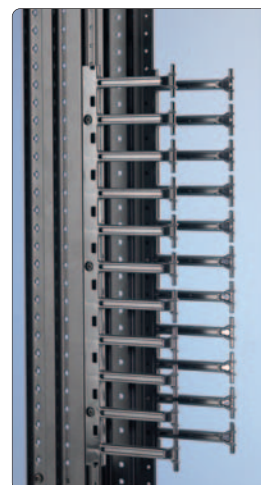
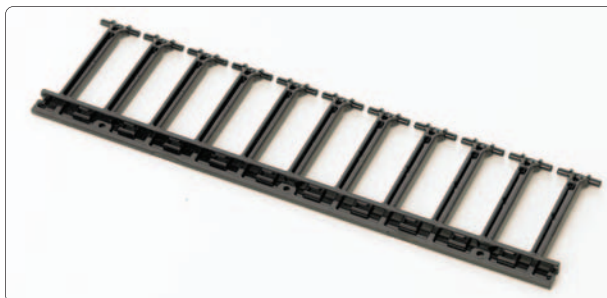
- High-density finger bracket mounts directly to a relay rack and provides cable support at each rack mounting unit.
- Fingers align with rack mounting units.
- Material: Steel bracket with UL 94V-0 black plastic finger section.
- Includes (1) finger bracket.
- Finish: Flat Black Powder Coat



Part Number	Height	Depth		Weight Each	
		In.	(mm)	Lbs.	(kg)
SB860FSFB	11U	4"	(101)	0.90	(0.41)
SB860FSXFB	11U	6 1/2"	(165)	1.00	(0.45)

RCM+ Cable Management Finger Bracket 11U Plastic Finger Section

- High-density finger section installs directly to SB860, SB862, and SB864 Series cable managers.
- Used to replace finger sections on SB860 or SB864 RCM+ cable managers; or for use in adding high density finger sections to SB862 or the low density side of the SB864.
- Finger section is 19" (482mm) long.
- Includes (1) finger section and mounting hardware.
- Material: UL 94V-0 black plastic



Part Number	Height	Depth		Weight Each	
		In.	(mm)	Lbs.	(kg)
SB860FSKFB					
SB860FSXKFB	11U	6 1/2"	(165)	0.60	(0.27)

RCM+ Cable Management Plastic Gate Section

- Gate kits are 2U high and designed for attachment to SB862 and SB864 cable managers, and in place of finger sections on SB860 and SB864 cable managers.
- Used to replace or add gate sections on SB862 or the low density side of SB864 RCM+ cable managers; or for use in adding low density gate section to SB860 or the high density side of the SB864.
- Kit includes (2) finger sections, (1) gate, and mounting hardware.
- Material: UL 94V-0 black plastic components



Part Number	Width		Weight Each	
	In.	(mm)	Lbs.	(kg)
SB8623KFB				
SB8626KFB	6"	(152)	0.24	(0.11)
SB86210KFB				
SB86212KFB	12"	(305)	0.29	(0.13)



RCM+ Cable Management Plastic Cable Retaining Gate

- Designed to provide convenient cable containment on SB860, SB862, and SB864 cable managers.
- For use with SB860, SB862 and SB864 vertical cable managers.
- Easy installation! Gates snap on and can be installed under doors.
- Gates can be opened in either direction, and can be quickly removed for easy cable access.
- Includes (6) gates.
- Material: UL 94V-0 black plastic

Part Number	Width		Weight Each	
	In.	(mm)	Lbs.	(kg)
SB8623GTFB				
SB8626GTFB	6"	(152)	0.26	(0.12)
SB86210GTFB				
SB86212GTFB	12"	(305)	0.53	(0.24)



RCM+ Cable Management Cable Retaining Bars

- Designed to provide vertical cable segregation and containment.
- For use with SB860, SB862, and SB864 vertical cable managers.
- Installs in any location by engaging the accessory mounting holes.
- Can be quickly installed or moved to another location.
- Material: Aluminum
- Finish: Flat Black Powder Coat



U.S. and Foreign
Patents Pending



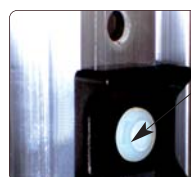
Part Number	For Manager Width Of		Weight Each	
	In.	(mm)	Lbs.	(kg)
SB8623CRBFB	3 ⁵ / ₈ "	(92)	0.11	(0.05)
SB8626CRBFB	6"	(152)	0.17	(0.08)
SB86210CRBFB	10"	(254)	0.29	(0.13)
SB86212CRBFB	12"	(305)	0.33	(0.15)

RCM+ Cable Management Push-In Fastener

- Used to quickly attach accessories to 1/4" (6mm) mounting holes in cable manager.
- Can be easily removed for relocation.
- Standard pack: 100 pieces
- Material: Black Plastic UL 94V-2



Part Number	Weight Each	
	Lbs.	(kg)
SB862PIF	0.62	(0.28)



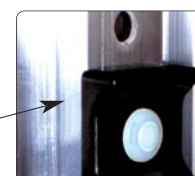
SB862PIF

Pins are shown white for clarity.

RCM+ Cable Management Cable Strap Mount

- Provides attachment for cable straps up to 3/4" (19mm) wide.
- Attach with Push-in fastener SB862PIF to 1/4" (6mm) accessory mounting holes in cable manager.
- Standard pack: 100 pieces
- Material: Black Plastic UL 94V-2

SB862CSM



Part Number	Weight Each	
	Lbs.	(kg)
SB862CSM	0.87	(0.40)



RCM+ Cable Spools and Spool Kits

- Designed for use in SB860, SB862, and SB864.
- Spool provides 1.1" (28mm) bend radius.
- Cable spools attach quickly to keyhole slots provided in mounting channels and optional back covers. (see page 94)
- Facilitates storage and routing of cable.
- SB8607SPFB includes (1) spool.
SB8607SPKxxxFB includes (2) spools.
- Unique spool kit design provides for vertical and horizontal adjustability to suit any need.
- Spool kits includes (2) spools, mounting channels and hardware.
- Material: Steel with UL 94V-0 black plastic
- Finish: Flat Black Powder Coat



Part Number Spool	Depth		Bend Radius		Weight Each	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB8607SPFB	7"	(178)	1.1"	(27)	2.0	(0.91)

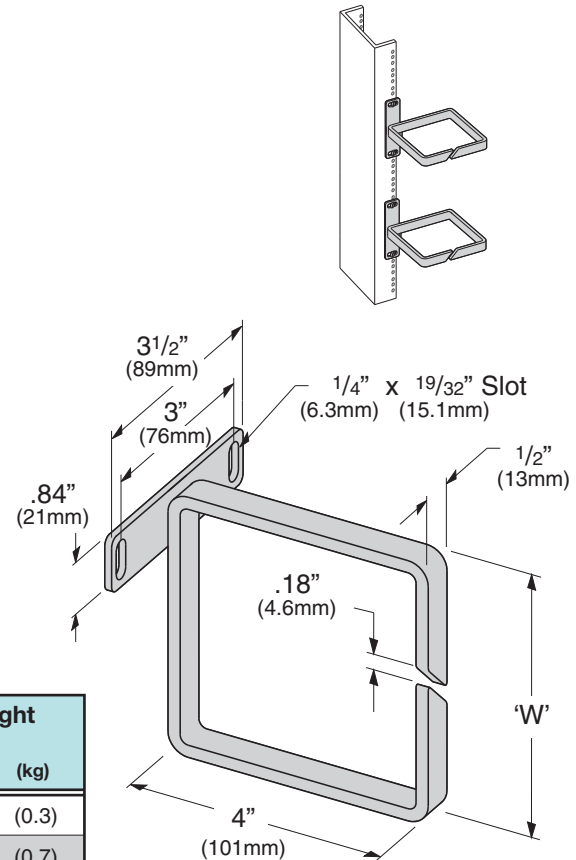
Catalog Number Spool Kits	Fits Rack Height of		Depth		Bend Radius		Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB8607SPK066FB	66"	(1676)	7"	(178)	1.1"	(28)	5.1	(2.32)
SB8607SPK072FB	72"	(1829)	7"	(178)	1.1"	(28)	5.3	(2.42)
SB8607SPK078FB	78"	(1981)	7"	(178)	1.1"	(28)	5.7	(2.58)
SB8607SPK084FB	84"	(2133)	7"	(178)	1.1"	(28)	5.9	(2.68)
SB8607SPK090FB	90"	(2286)	7"	(178)	1.1"	(28)	5.9	(2.68)
SB8607SPK096FB	96"	(2438)	7"	(178)	1.1"	(28)	6.4	(2.91)
SB8607SPK108FB	108"	(2743)	7"	(178)	1.1"	(28)	6.9	(3.14)

U.S. and Foreign
Patents Pending



Cable Management Ring

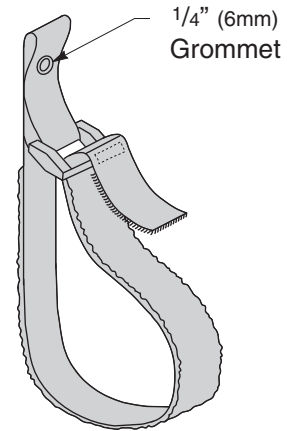
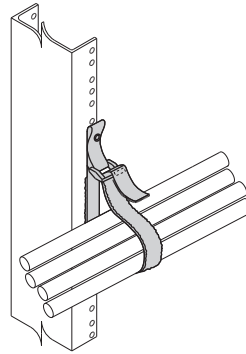
- Use to provide cable management anywhere on equipment rack.
- Versatile design allows multiple support configurations.
- Available in both 2" (51mm) and 4" (101mm) widths.
- Standard 4" (101mm) depth.
- Includes: #12-24 mounting hardware.
- Material: ASTM A569 steel
- Finish ____: Clear Zinc (ZN),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
Other finishes are available upon request.
- Ordering: Specify part number and
finish abbreviation.



Part Number	Width 'W'		Mounting Spaces	# of Guides	Weight	
	In.	(mm)			Lbs.	(kg)
SB563222__	2"	(51)	2	2	0.8	(0.3)
SB563226__	2"	(51)	2	6	1.6	(0.7)
SB563242__	4"	(101)	2	2	2.4	(1.1)
SB563246__	4"	(101)	2	6	3.2	(1.4)

Velcro® Cable Hanger

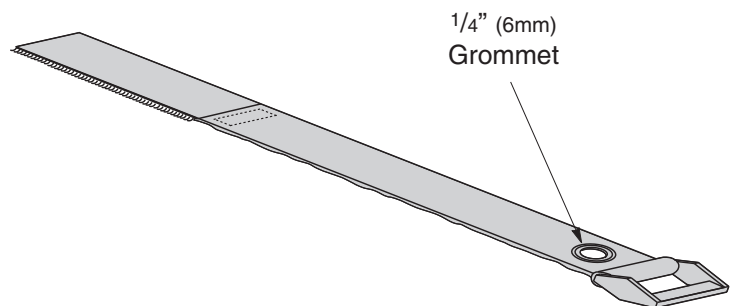
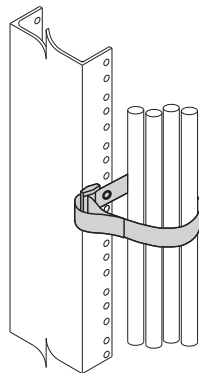
- Use to secure and organize cables to equipment racks.
- 1/4" (6mm) grommet designed to provide maximum attachment strength.
- Reusable design allows cables to be easily added or removed.
- Sold in packages of 10.
- Material: Nylon
- Finish: Gray



Part Number	Width x Length		Weight	
	In.	(mm)	Lbs.	(kg)
SB728^{3/4}x6	3/4" x 6"	(19 x 152)	.1	(.045)

Velcro® Cable Strap

- Use to secure and organize cables to equipment racks.
- 1/4" (6mm) grommet designed to provide maximum attachment strength.
- Reusable design allows cables to be easily added or removed.
- Sold in packages of 10.
- Material: Nylon
- Finish: Gray

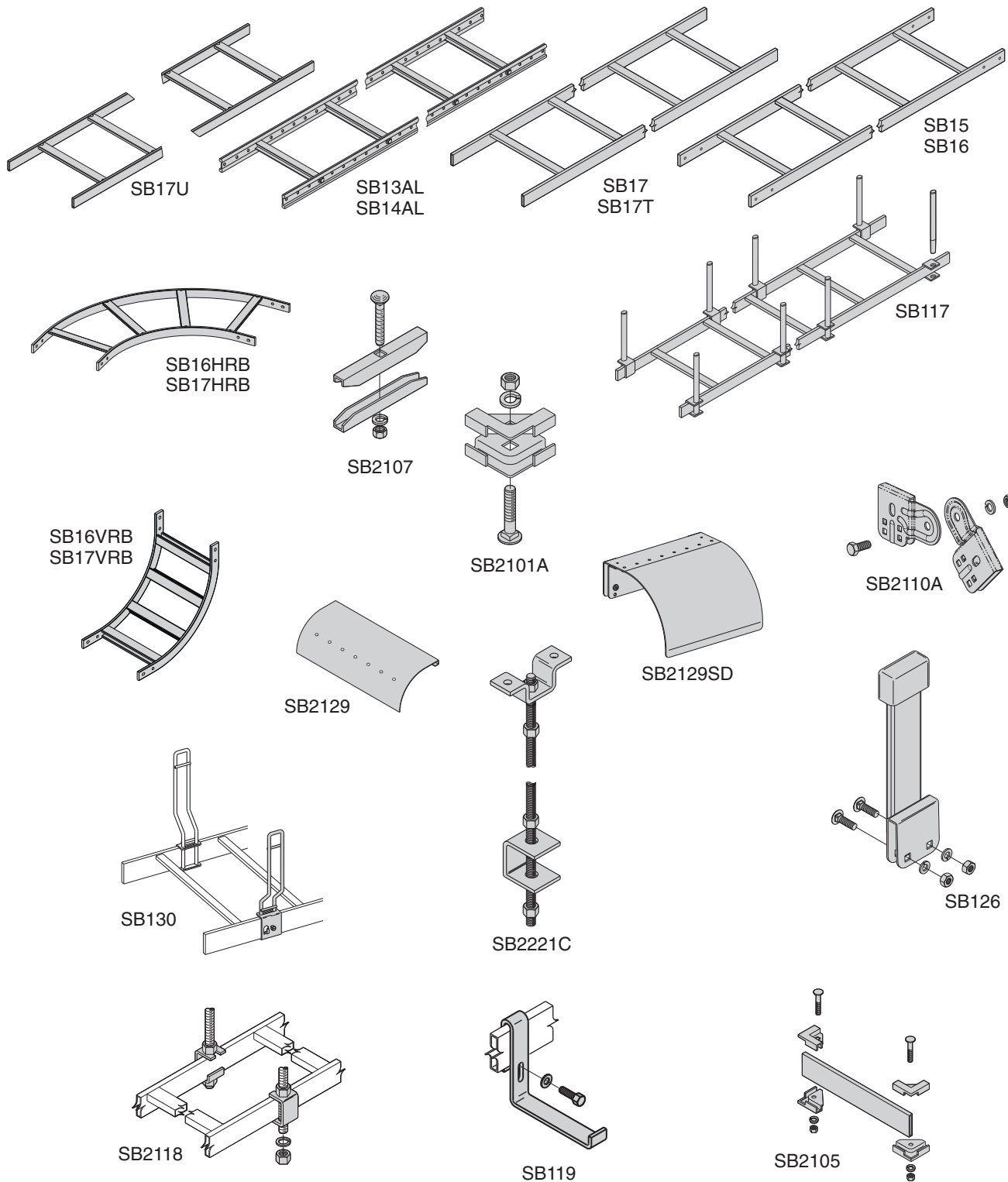


Part Number	Width x Length		Weight	
	In.	(mm)	Lbs.	(kg)
SB727^{5/8}x6	5/8" x 6"	(16 x 152)	.1	(.045)



Popular Bee List item

Cable Runways & Accessories



Cable Runways & Accessories

Cooper B-Line manufactures a wide variety of high quality cable pathway products that are designed for modern, high performance network cabling. This section contains our cable runway product family, which is designed to be a pathway for backbone and horizontal cable runs between racks and cabinets to anywhere from the primary service entry to the workstations. We offer a variety of runway styles with different features suited for these varying applications. Our SB17U series runway is our most popular configuration (1 1/2" rungs on 12" centers) is individually boxed for finish protection. Our SB17 and SB17T series runway is designed with telco rung spacing (1" rungs on 9" centers) and represent a great value for installers. Our SB13 series aluminum runway offers unparalleled flexibility, light system weight and ease of installation compared to steel runway paths.

All cable pathway devices are designed to meet or exceed all applicable industry standards and requirements of applicable TIA/EIA standards that reference cable pathway products. All applicable Cooper B-Line's cable runway and accessory products are UL Classified as well.

Cooper B-Line also manufactures a wide variety of other cable runway accessories including splice clamps, horizontal and vertical bends, support kits, drop-outs, cable retaining posts, support pans and other common accessories. Whatever the application, from copper to fiber, Cooper B-Line has the products you need to tackle any cabling pathway requirement.

Are we missing a component you need? Contact us. Our engineering team will be glad to discuss your needs and provide a design for your specific application. Our goal is to be your preferred supplier for all your comm/data equipment support needs.

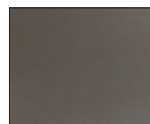
<u>Material:</u>	<u>Type</u>	<u>Thickness</u>	<u>Specifications</u>
Steel Bar	 3/8" (9.5mm) - 7 Gauge (4.5mm)	.....	ASTM A36
Steel Strip	 10 Gauge (3.4mm) - 16 Gauge (1.5mm)	.....	ASTM A569
Steel Tube	065 (1.7mm)	.....	ASTM A513
Extruded Aluminum (AL)	.....	.....	ASTM 6063-T6

Finish:

- Powder Coat Paint
 - Telco Gray (TG)
 - Computer White (CW)
 - Flat Black (FB)
- Chemical Conversion Coatings Available
 - Yellow Zinc (YZ) ASTM B633
 - Black Zinc (BZ) ASTM B633



(AL)
Aluminum



(TG)
Telco Gray



(CW)
Computer
White



(FB)
Flat Black
&
(BZ)
Black Zinc



(YZ)
Yellow Zinc

Standard Conformances:

UL Classified as an equipment grounding conductor (File No. E60548).
Painted finishes must be removed at grounding connection before attaching conductive splices or jumpers.

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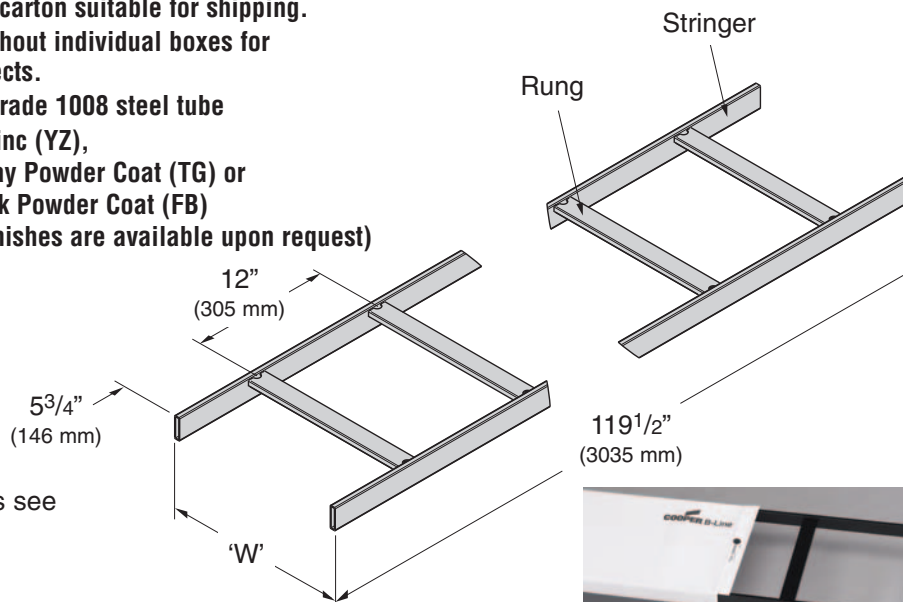
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Tubular Stringer Style - 1 1/2" (Boxed)

- Ladder type cable runway for communication cabling pathways.
- Mounts to ceilings, walls, floors, relay racks, and electronic enclosures.
- 3/8" (9.5mm) x 1 1/2" (38.1mm) steel tube welded rungs spaced 12" (305mm) on center.
- All finishes are UL Classified as suitable as an equipment grounding conductor (File number E60548). Requires the use of bonding jumpers on painted finishes to maintain classification.
- Individually boxed in a carton suitable for shipping.
- Available palletized without individual boxes for larger installation projects.
- Material: ASTM A513 Grade 1008 steel tube
- Finish ____: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
(Other finishes are available upon request)



Note: For runway pans see
pages 152 & 153



Series Number	Stringer Dimensions	Span		Recommended Load		Max. Load @ 5/8" Deflection		Deflection Multiplier
		Ft.	(m)	Lbs./Ft.	(N/m)	Lbs./Ft.	(N/m)	
SB17U		4	(1.22)	149	(2174)	347	(5062)	0.0018
		5	(1.52)	95	(1386)	145	(2115)	0.0043
		6	(1.83)	66	(963)	70	(1021)	0.0089

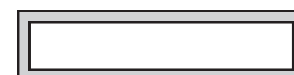
UL Cross Sectional Area
0.40 in ² (2.58 cm ²)
Design Factors for (1) Rail
Area = .210 in ² (1.35 cm ²)
Sx = .066 in ³ (1.08 cm ³)
Ix = .050 in ⁴ (2.08 cm ⁴)

SB17U Tubular - 1 1/2" (38mm) Stringers

Part Number	'W' Width		Weight	
	In.	(mm)	Lbs.	(kg)
SB17U06B__	6"	(152)	18.0	(8.2)
SB17U09B__	9"	(228)	21.0	(9.5)
SB17U12B__	12"	(305)	23.0	(10.4)
SB17U15B__	15"	(381)	25.0	(11.3)
SB17U18B__	18"	(457)	28.0	(12.7)
SB17U24B__	24"	(609)	32.0	(14.5)
SB17U30B__	30"	(762)	37.0	(16.8)
SB17U36B__	36"	(914)	41.0	(18.6)



Rung Profile



3/8" x 1 1/2"
.060 thick

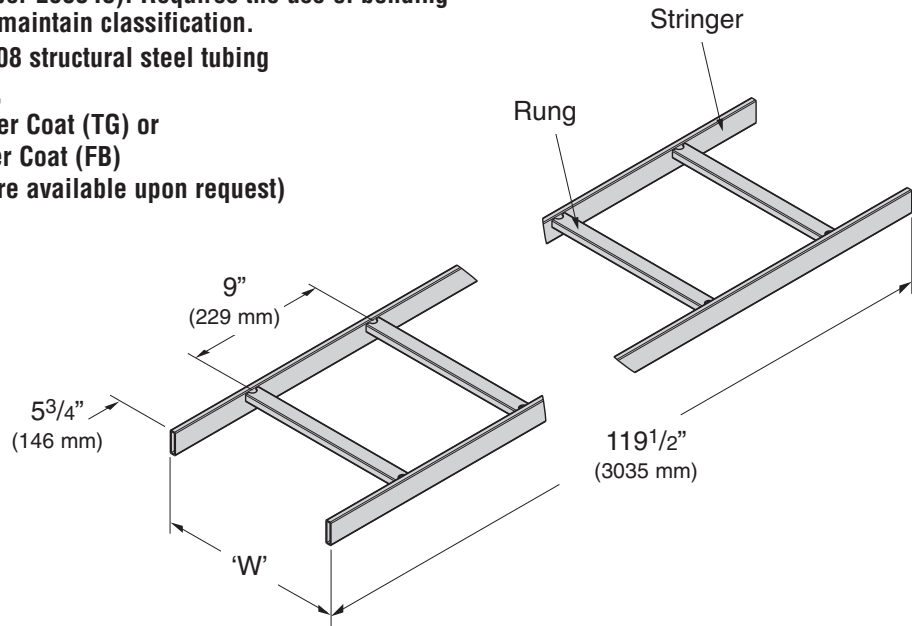
FB & TG are popular Bee List items

Tubular Stringer Style - 1 1/2" (Telco Spacing)

- Ladder type cable runway for communication cabling pathways.
- Mounts to ceilings, walls, floors, relay racks, and electronic enclosures.
- 3/8" (9mm) x 1 1/2" (38mm) x 0.060" (1.5mm) tubular steel stringers.
- 1/2" (13mm) x 1" (25mm) x 0.060" (1.5mm) tubular steel rungs spaced 9" (228mm) on center.
- All finishes are UL Classified as suitable as an equipment grounding conductor (File number E60548). Requires the use of bonding jumpers on painted finishes to maintain classification.
- Material: ASTM A513 Grade 1008 structural steel tubing
- Finish ____: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
(Other finishes are available upon request)



Note: For runway pans see
pages 152 & 153



Series Number	Stringer Dimensions	Span		Recommended Load		Max. Load @ 5/8" Deflection		Deflection Multiplier
		Ft.	(m)	Lbs./Ft.	(N/m)	Lbs./Ft.	(N/m)	
SB17T		4	(1.22)	149	(2174)	347	(5062)	0.0018
		5	(1.52)	95	(1386)	145	(2115)	0.0043
		6	(1.83)	66	(963)	70	(1021)	0.0089

UL Cross Sectional Area
0.40 in ² (2.58 cm ²)
Design Factors for (1) Rail
Area = .210 in ² (1.35 cm ²)
Sx = .066 in ³ (1.08 cm ³)
Ix = .050 in ⁴ (2.08 cm ⁴)

SB17T Tubular - 1 1/2" (38mm) Stringers

Part Number	'W' Width		Weight	
	In.	(mm)	Lbs.	(kg)
SB17T06__	6"	(152)	18.7	(8.5)
SB17T09__	9"	(228)	20.9	(9.5)
SB17T12__	12"	(305)	23.1	(10.5)
SB17T15__	15"	(381)	25.2	(11.5)
SB17T18__	18"	(457)	27.4	(12.4)
SB17T24__	24"	(609)	31.7	(13.4)

Rung Profile



1/2" x 1"
.060 thick

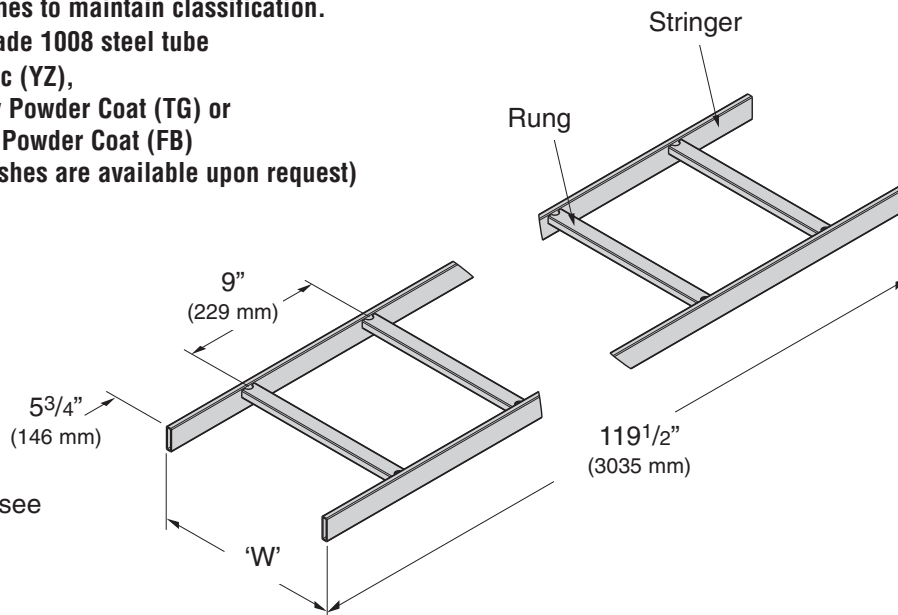
FB & TG are popular Bee List items

Tubular Stringer Style - 1 1/2" (Value Line)

- Ladder type cable runway for communication cabling pathways.
- Mounts to ceilings, walls, floors, relay racks, and electronic enclosures.
- 1/2" (13mm) x 1" (25mm) steel channel welded rungs spaced 9" (228mm) on center.
- All finishes are UL Classified as suitable as an equipment grounding conductor (File number E60548). Requires the use of bonding jumpers on painted finishes to maintain classification.
- Material: ASTM A513 Grade 1008 steel tube
- Finish ____: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
(Other finishes are available upon request)



Note: For runway pans see
pages 152 & 153



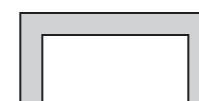
Series Number	Stringer Dimensions	Span		Recommended Load		Max. Load @ 5/8" Deflection		Deflection Multiplier
		Ft.	(m)	Lbs./Ft.	(N/m)	Lbs./Ft.	(N/m)	
SB17		4	(1.22)	149	(2174)	347	(5062)	0.0018
		5	(1.52)	95	(1386)	145	(2115)	0.0043
		6	(1.83)	66	(963)	70	(1021)	0.0089

UL Cross Sectional Area
0.40 in ² (2.58 cm ²)
Design Factors for (1) Rail
Area = .210 in ² (1.35 cm ²)
Sx = .066 in ³ (1.08 cm ³)
Ix = .050 in ⁴ (2.08 cm ⁴)

SB17 Tubular - 1 1/2" (38mm) Stringers

Part Number	'W' Width		Weight	
	In.	(mm)	Lbs.	(kg)
SB1706__	6"	(152)	18.7	(8.5)
SB1709__	9"	(228)	20.9	(9.5)
SB1712__	12"	(305)	23.1	(10.5)
SB1715__	15"	(381)	25.2	(11.5)
SB1718__	18"	(457)	27.4	(12.4)
SB1720__	20"	(508)	28.8	(13.0)
SB1724__	24"	(609)	31.7	(13.4)
SB1730__	30"	(762)	36.1	(16.4)
SB1736__	36"	(914)	40.4	(18.3)

Rung Profile



1/2" x 1"
11 gauge

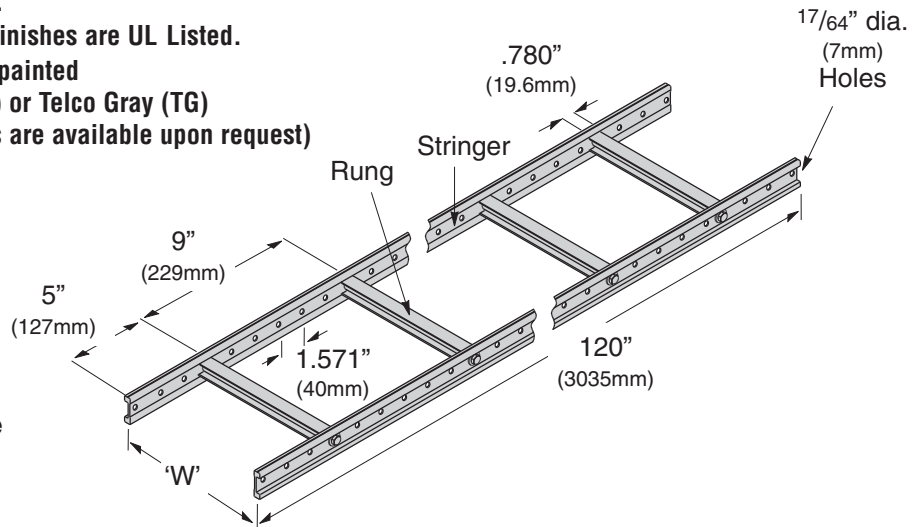
FB & TG are popular Bee List items

Aluminum C-Channel Stringer Style - 1 1/2"

- Lightweight design for ease of installation.
- Aluminum (unpainted) is UL Classified.
- Uses standard cable runway accessories.
- 6", 9", 12", 15", 18", 20", 24", 30" and 36" widths.
- 9" rung spacing.
- Rungs can be removed or repositioned to accommodate the specific project or buildings requirements.
- Material: 6063-T6 aluminum.
- Both aluminum and painted finishes are UL Listed.
- Finish ____: Aluminum, or painted
Flat Black (FB) or Telco Gray (TG)
(Other finishes are available upon request)



Note: For runway pans see
pages 152 & 153



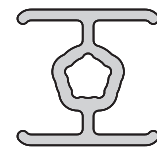
Series Number	Stringer Dimensions	Span		Load		Deflection Multiplier
		Ft.	(m)	Lbs./Ft.	(N/m)	
SB13AL		4	(1.22)	81	(1182)	0.0033
		5	(1.52)	51	(744)	0.0080
		6	(1.83)	35	(510)	0.0166
		7	(2.13)	26	(379)	0.0308
		8	(2.44)	20	(292)	0.0526

UL Cross Sectional Area
0.60 in ² (3.87 cm ²)
Design Factors for (1) Rail
Area = .318 in ² (2.06 cm ²)
Sx = .116 in ³ (1.90 cm ³)
Ix = .087 in ⁴ (3.65 cm ⁴)

SB13AL C-Channel - 1 1/2" (38mm) Stringers

Part Number	'W' Width		Weight	
	In.	(mm)	Lbs.	(kg)
SB13AL06__	6"	(152)	9.1	(4.1)
SB13AL09__	9"	(228)	9.8	(4.4)
SB13AL12__	12"	(305)	10.5	(4.7)
SB13AL15__	15"	(381)	11.2	(5.1)
SB13AL18__	18"	(457)	11.8	(5.4)
SB13AL20__	20"	(508)	12.3	(5.6)
SB13AL24__	24"	(609)	13.2	(6.0)
SB13AL30__	30"	(762)	14.6	(6.6)
SB13AL36__	36"	(914)	16.0	(7.2)

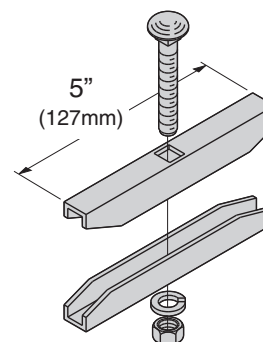
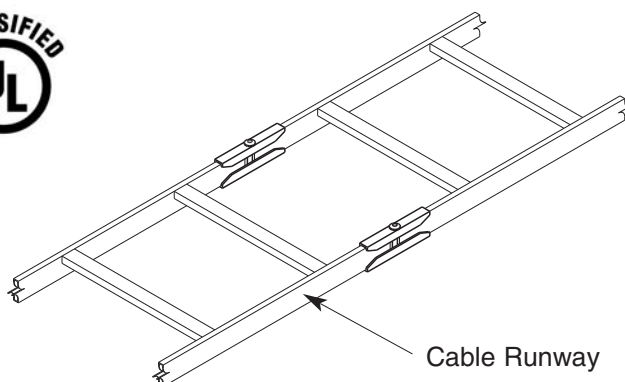
Rung Profile



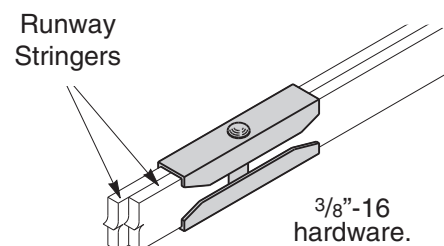
3/4" high x 25/32" wide

Cable Runway Butt-Splice Clamp & Kit

- Use to connect runway stringers.
- SB166A & SB166B includes one (1) clamp and hardware as shown.
- SB2107 kit includes two (2) clamps and hardware as shown.
- Material: ASTM A570 structural steel
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)
- UL Classified - file number E60548



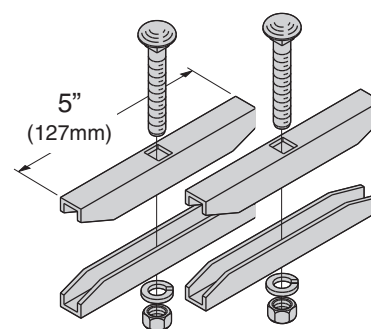
SB166A
For Single Stringer



SB166B For Dual Stringers

One Splice Clamp

Part Number	Runway Height		Stringer Style	Weight	
	In.	(mm)		Lbs.	(kg)
SB166A ___	1 1/2"	(38)	Single	0.48	(.22)
SB166B ___	1 1/2"	(38)	Dual	0.74	(.33)



SB2107
Kit For Single Stringers

Pair of Splice Clamps

Part Number	Runway Height		Stringer Style	Weight	
	In.	(mm)		Lbs.	(kg)
SB2107 ___	1 1/2"	(38)	Single	0.95	(.43)



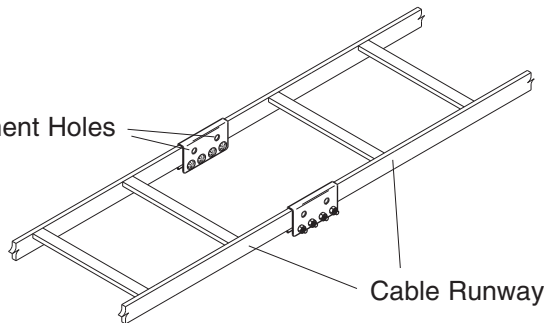
BZ & YZ are popular Bee List items

Heavy Duty Cable Runway Butt-Splice Clamp & Kit

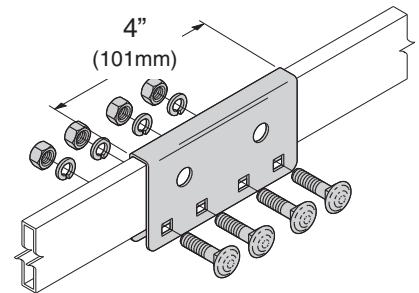
- Use to connect runway stringers.
- SB168C & SB168D includes one (1) clamp and hardware as shown.
- SB2135 kit includes two (2) clamps and hardware as shown.
- For additional strength use $\frac{3}{8}$ "-16 through bolts in attachment holes.
- Material: ASTM A570 structural steel
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)
- UL Classified - file number E60548



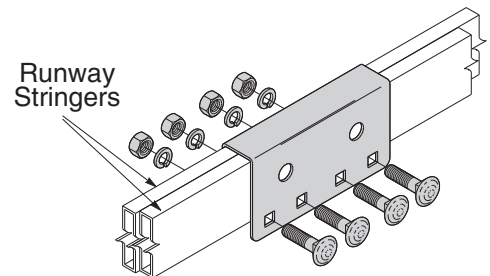
Attachment Holes



Cable Runway



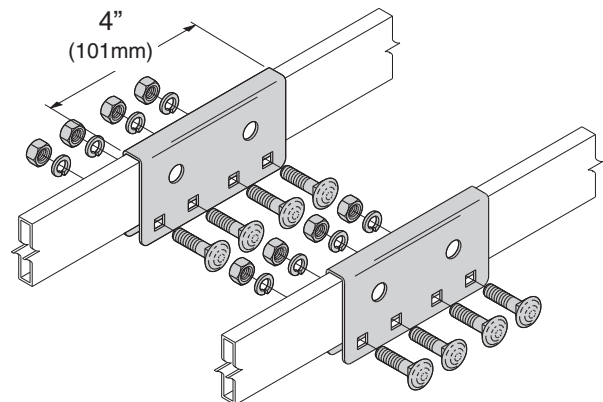
SB168C For Single Stringer



SB168D For Dual Stringers

One Splice Clamp

Part Number	Runway Height		Stringer Style	Weight	
	In.	(mm)		Lbs.	(kg)
SB168C ___	1 1/2"	(38)	Single	0.50	(.23)
SB168D ___	1 1/2"	(38)	Dual	0.54	(.24)



SB2135 For Single Stringers

Pair of Splice Clamps

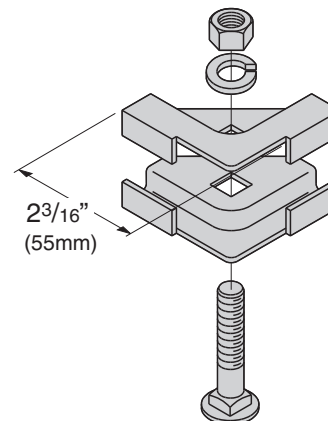
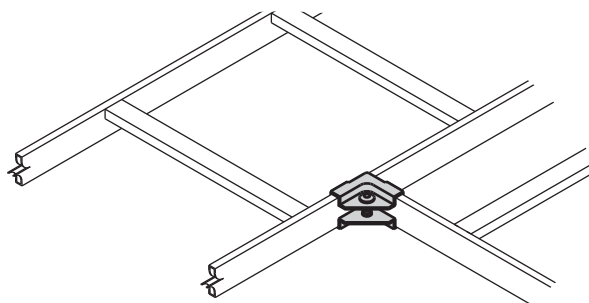
Part Number	Runway Height		Stringer Style	Weight	
	In.	(mm)		Lbs.	(kg)
SB2135 ___	1 1/2"	(38)	Single	1.00	(.45)



BZ & YZ are popular Bee List items

Runway 90° Junction Splice Clamp & Kit

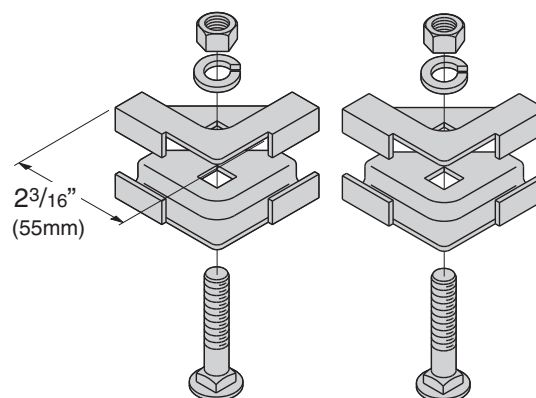
- Use to connect cable runway stringers to form a 90° horizontal tee.
- SB165 includes one (1) clamp and hardware as shown.
- SB2101A kit includes two (2) clamps and hardware as shown.
- Material: ASTM A570 structural steel
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)
- UL Classified - file number E60548



SB165

One Splice Clamp

Part Number	Runway Height		Weight	
	In.	(mm)	Lbs.	(kg)
SB165 ___	1 1/2"	(38)	0.32	(.14)



SB2101A

Pair of Splice Clamps

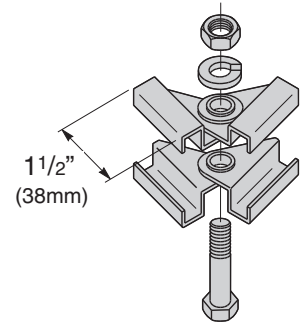
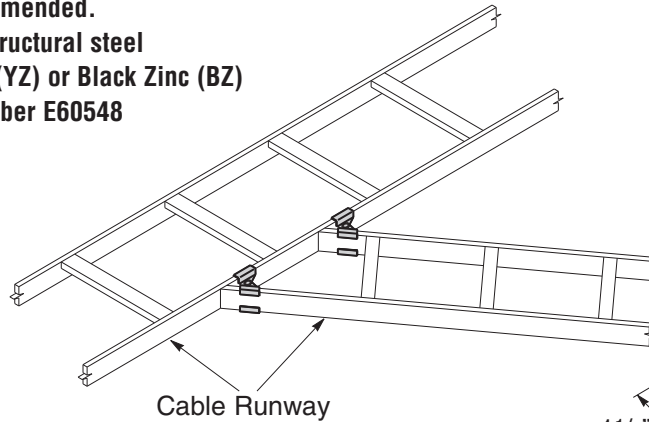
Part Number	Runway Height		Weight	
	In.	(mm)	Lbs.	(kg)
SB2101A ___	1 1/2"	(38)	0.63	(.28)



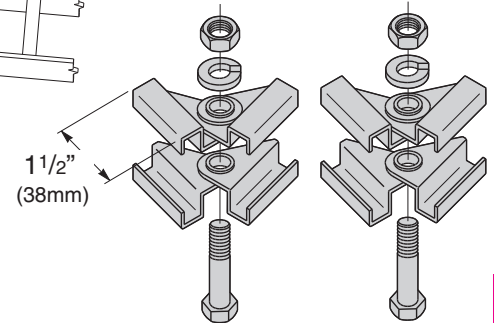
BZ & YZ are popular Bee List items

Runway Adjustable Junction Splice Clamp

- Use to connect cable runway stringers at angles from 0° to 90°.
- SB167 includes one (1) clamp and hardware as shown.
- SB2103A kit includes two (2) clamps and hardware as shown.
- Runway mitering recommended.
- Material: ASTM A570 structural steel
- Finish: Yellow Zinc (YZ) or Black Zinc (BZ)
- UL Classified - file number E60548



SB167



SB2103A

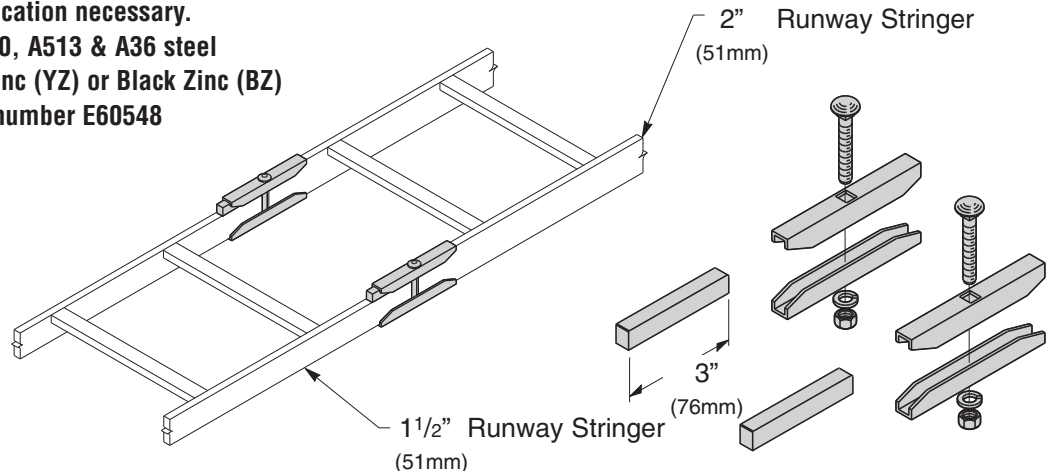
Part Number	Runway Height		Weight	
	In.	(mm)	Lbs.	(kg)
SB167	1 1/2"	(38)	0.35	(.16)

Part Number	Runway Height		Weight	
	In.	(mm)	Lbs.	(kg)
SB2103A	1 1/2"	(38)	0.70	(.34)



Runway Stringer Reducer Butt-Splice Kit

- Use to connect 1 1/2" (38mm) runway stringer to 2" (51mm) runway stringer.
- Includes: (2) 2" (51mm) clamps with hardware and (2) reducer bars.
- No drilling or modification necessary.
- Material: ASTM A570, A513 & A36 steel
- Finish: Yellow Zinc (YZ) or Black Zinc (BZ)
- UL Classified - file number E60548



Part Number	Weight	
	Lbs.	(kg)
SB2108A	1.25	(0.57)



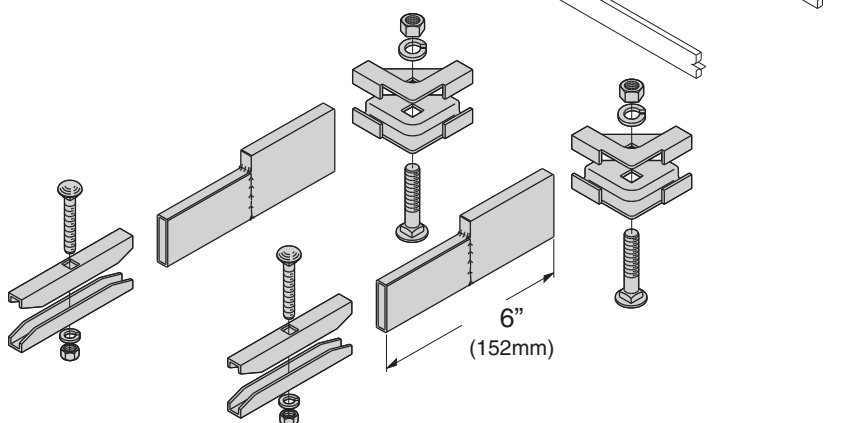
BZ & YZ are popular Bee List items

Runway Stringer Reducing and 90° Junction Splice Kit

- Use to connect 1 1/2" (38mm) runway stringer to 2" (51mm) runway stringer to form a 90° horizontal tee.
- Includes: (2) extension clamps, (2) corner clamps, (2) reducer bars and hardware.
- No drilling or modification necessary.
- Material: ASTM A570, A513 & A36 steel
- Finish: Yellow Zinc (YZ) or Black Zinc (BZ)
- UL Classified - file number E60548

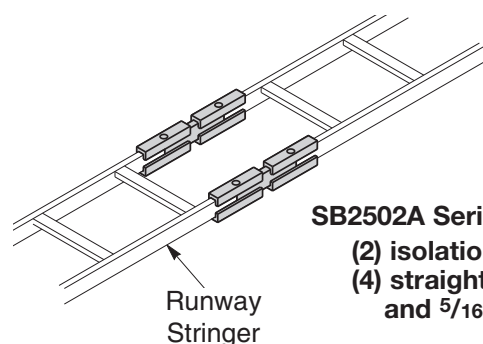


Part Number	Weight	
	Lbs.	(kg)
SB2108C	3.8	(1.7)

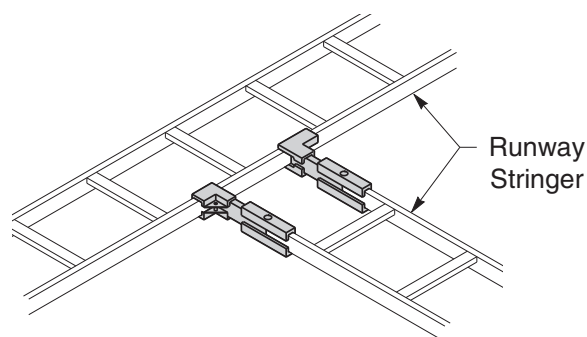


Cable Runway Isolation Kit

- Use to provide electrical isolation and splice cable runway.
- Material: Bar - Phenolic & Clamps - Steel
- Finish: Bar - Natural
Clamps and hardware - Yellow Zinc (YZ)



SB2502A Series Includes:
(2) isolation bars,
(4) straight splice clamps
and 5/16"-18 hardware.

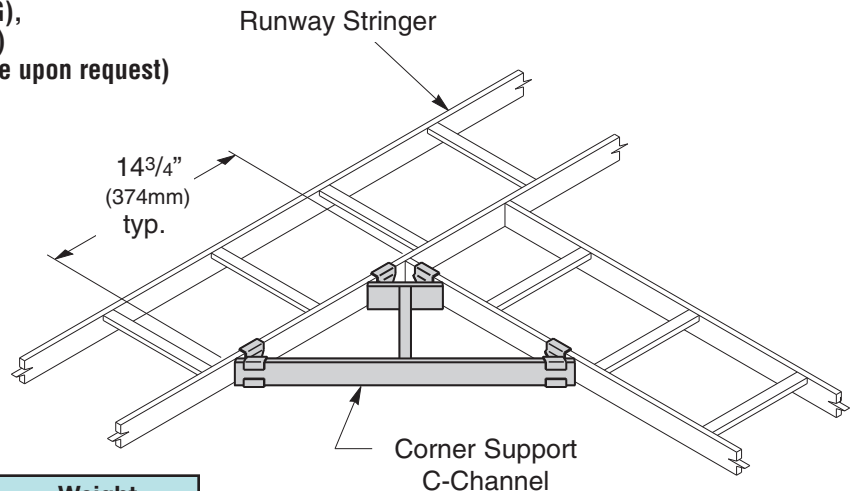


Part Number	Splice Type	Runway Height		Weight	
		In.	(mm)	Lbs.	(kg)
SB2502A	Straight	1 1/2"	(38)	2.30	(1.04)
SB2502A2	Straight	2"	(51)	2.40	(1.09)
SB2502B	Tee	1 1/2"	(38)	1.90	(0.86)
SB2502B2	Tee	2"	(51)	2.00	(0.91)

SB2502B Series Includes:
(2) isolation bars
(2) straight splice clamps
(2) corner clamps and
5/16"-18 hardware.

90° Corner Support Kit

- Use to provide additional support for intersecting cable runway and larger cable bend radius.
- Includes: (1) mitered runway section, (4) clamps and $\frac{3}{8}$ "-16 hardware.
- Material: ASTM A570 structural steel
- Finish ____: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG),
Flat Black Powder Coat (FB)
(Other finishes are available upon request)
- UL Classified - file number E60548



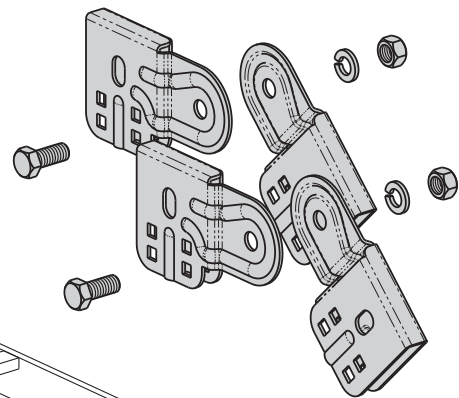
Part Number	Runway Height		Weight	
	In.	(mm)	Lbs.	(kg)
SB2104____	1 1/2"	(38)	2.80	(1.27)

Adjustable Butt Splice Kit

- Use for vertical change in direction of cable runway.
- Includes: (2) splices and hardware.
- Attachment holes match $\frac{13}{32}$ " (10mm) holes in solid bar stringers.
- Works with both 1 1/2" & 2" stringer runways.
- Adjusts 180°.
- Material: ASTM A570 structural steel
- Finish ____: Yellow Zinc (YZ) or Black Zinc (BZ)
- UL Classified - file number E60548



Runway Stringer



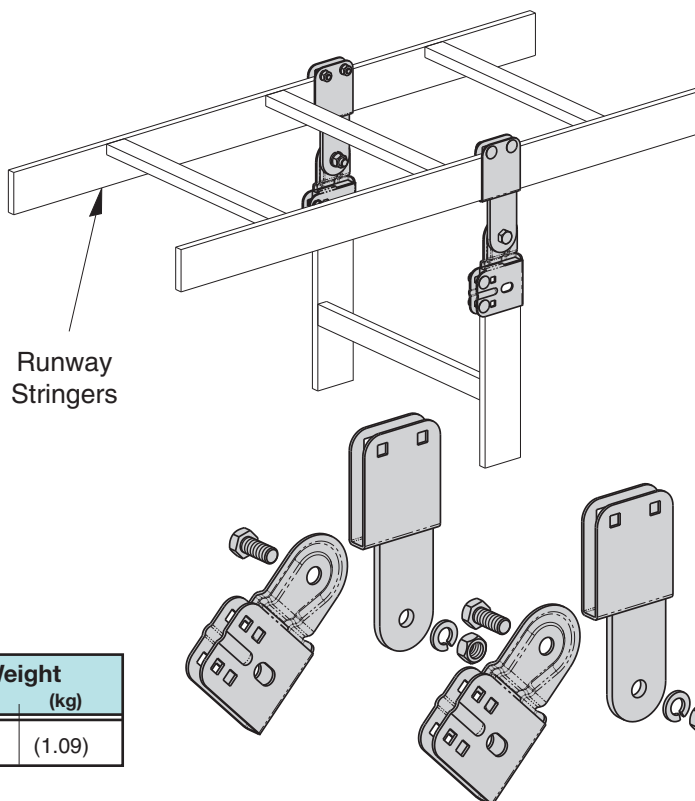
Part Number	Weight	
	Lbs.	(kg)
SB2110A____	2.40	(1.09)



BZ & YZ are popular Bee List items

Adjustable Vertical Splice Kit

- Use to connect cable runway stringers in a vertical direction.
- Adjusts 180°.
- Includes: (2) splices and hardware.
- Material: ASTM A570 structural steel
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)
- UL Classified - file number E60548

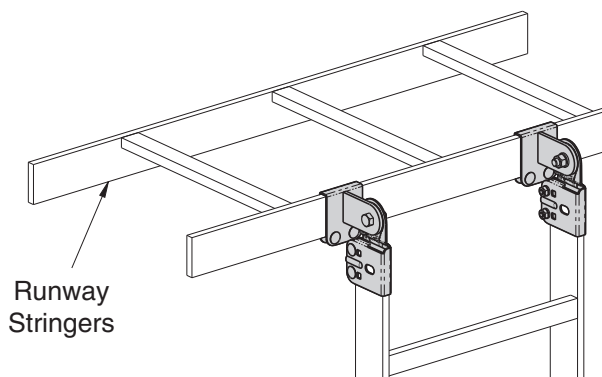


Part Number	Runway Height		Weight	
	In.	(mm)	Lbs.	(kg)
SB2111A	1 1/2"	(38)	2.40	(1.09)

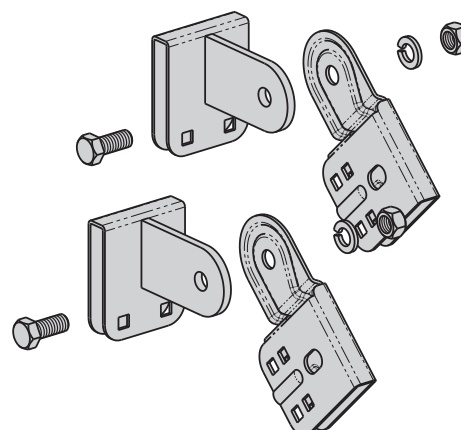


Adjustable Junction Splice Kit

- Use to connect one cable runway to the side of another cable runway.
- Adjusts 270°.
- Includes: (2) splices and hardware.
- Material: ASTM A570 structural steel
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)
- UL Classified - file number E60548



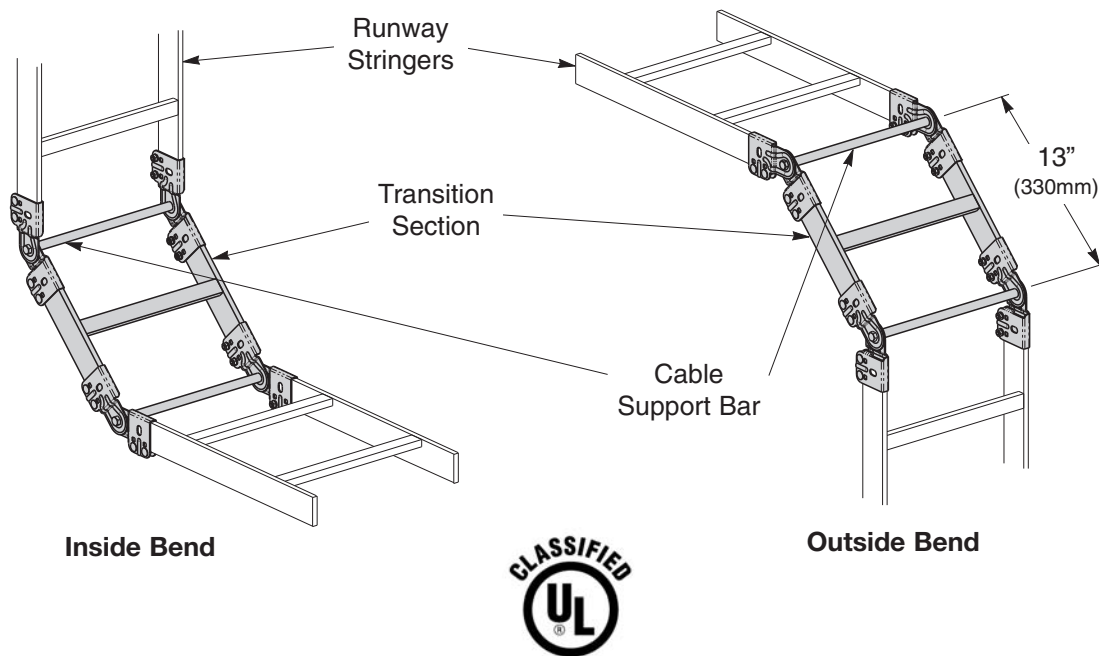
Part Number	Runway Height		Weight	
	In.	(mm)	Lbs.	(kg)
SB2111B	1 1/2"	(38)	2.40	(1.09)



BZ & YZ are popular Bee List items

Adjustable Runway Horizontal To Vertical Transition Kit

- Use for vertical change of direction of cable runway.
- All finishes are UL Classified as suitable as an equipment grounding conductor (file number E60548).
- Forms inside or outside bends.
- Includes: (1) transition section, (4) splices, (2) cable support bars, and hardware.
- Material: ASTM A513 and A570 structural steel
- Finish ____: Yellow Zinc (YZ), Flat Black Powder Coat (FB), Black Zinc (BZ) or Telco Gray Powder Coat (TG)

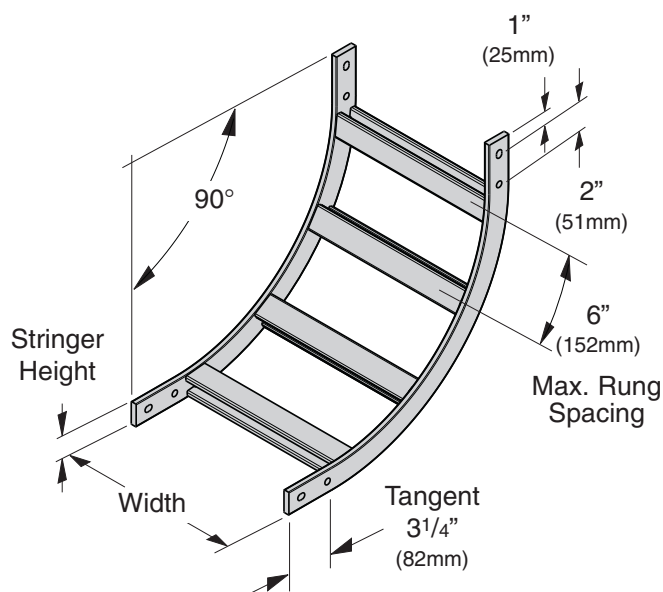


1 1/2" (38mm) Stringers

Part Number For	Runway Width		Weight	
	In.	(mm)	Lbs.	(kg)
SB212806 ____	6"	(152)	7.5	(3.4)
SB212809 ____	9"	(228)	8.3	(3.7)
SB212812 ____	12"	(305)	9.1	(4.1)
SB212815 ____	15"	(381)	9.8	(4.4)
SB212818 ____	18"	(457)	10.5	(4.7)
SB212820 ____	20"	(508)	11.0	(5.0)
SB212824 ____	24"	(609)	12.1	(5.5)
SB212830 ____	30"	(762)	14.0	(6.4)
SB212836 ____	36"	(914)	15.5	(7.0)

Universal 90° Vertical Bends

- Used to make a smooth, 90° vertical change in runway direction.
- Made of 1 1/2" x 3/8" ASTM A36 steel solid bar stringers and ASTM A513 Grade 1008 structural steel tubing rungs.
- All finishes are UL Classified as an equipment grounding conductor - file number E60548.
- Universal design to handle both inside and outside bends with one part.
- Four inside and outside rungs welded at 26° increments.
- Smooth 12" (305mm) inside radius.
- Connects to runway sections using standard runway splices.
- Slotted splice attachment holes provided for use with SB2135 series heavy duty splice plates.
- Provision for 1/4" grounding bolt provided on each corner.
- Compatible with "C"-channel, tubular, and solid bar cable runway.
- Range of widths from 6" (152mm) to 36" (914mm).
- Finish ____: Yellow Zinc (YZ), Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB)
(Other finishes are available upon request)

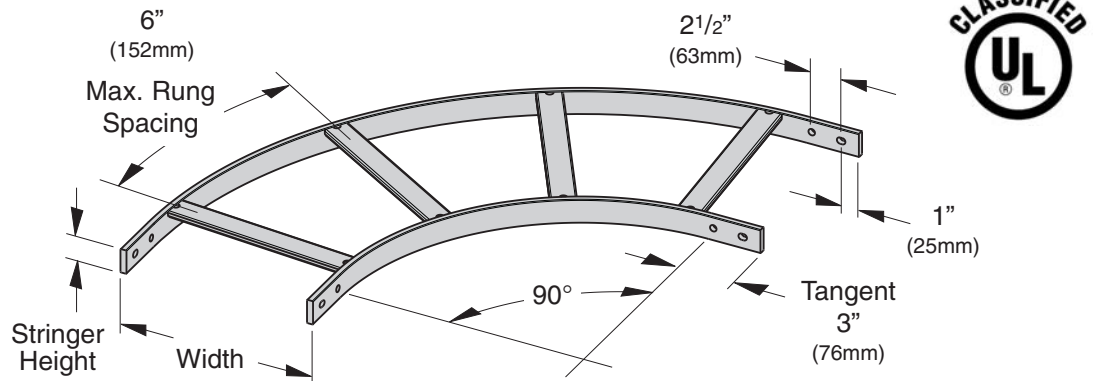


1 1/2" (38mm) Stringers

Part Number	Runway Width		Weight	
	In.	(mm)	Lbs.	(kg)
SB17VRB06 ____	6"	(152)	10.7	(4.85)
SB17VRB09 ____	9"	(228)	12.1	(5.49)
SB17VRB12 ____	12"	(305)	13.5	(6.12)
SB17VRB15 ____	15"	(381)	14.8	(6.71)
SB17VRB18 ____	18"	(457)	16.2	(7.35)
SB17VRB20 ____	20"	(508)	17.1	(7.75)
SB17VRB24 ____	24"	(609)	19.0	(8.62)
SB17VRB30 ____	30"	(762)	21.8	(9.89)
SB17VRB36 ____	36"	(914)	24.5	(11.11)

90° Horizontal Bends

- Used to make a smooth, 90° horizontal change in runway direction.
- Made of 1 1/2" x 3/8" ASTM A36 steel solid bar stringers and ASTM A513 Grade 1008 structural steel tubing rungs.
- All finishes are UL Classified as an equipment grounding conductor - file number E60548.
- Smooth 15" (381mm) inside radius.
- Connects to runway sections using standard runway splices.
- Attachment holes provided for use with SB2135 series heavy duty splice plates.
- Provision for 1/4" grounding bolt provided on each corner.
- Compatible with "C"-channel, tubular, and solid bar cable runway.
- Designed to comply with requirements for Category 5/5E/6 twisted pair and fiber optic cable bend radius.
- Range of widths from 6" (152mm) to 36" (914mm).
- Finish ____: Yellow Zinc (YZ), Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB)
(Other finishes are available upon request)

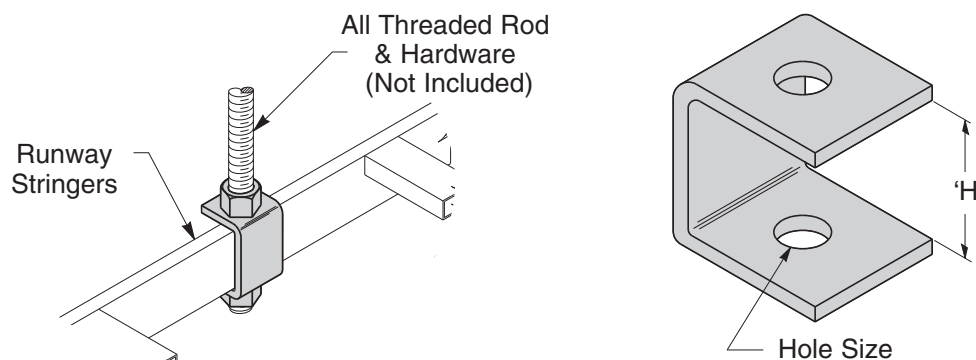


1 1/2" (38mm) Stringers

Part Number	Runway Width		Weight	
	In.	(mm)	Lbs.	(kg)
SB17HRB06 ____	6"	(152)	12.0	(5.44)
SB17HRB09 ____	9"	(228)	13.5	(6.12)
SB17HRB12 ____	12"	(305)	14.9	(6.76)
SB17HRB15 ____	15"	(381)	17.2	(7.80)
SB17HRB18 ____	18"	(457)	18.8	(8.53)
SB17HRB20 ____	20"	(508)	19.8	(8.98)
SB17HRB24 ____	24"	(609)	23.3	(10.57)
SB17HRB30 ____	30"	(762)	26.9	(12.20)
SB17HRB36 ____	36"	(914)	30.4	(13.79)

Runway Support

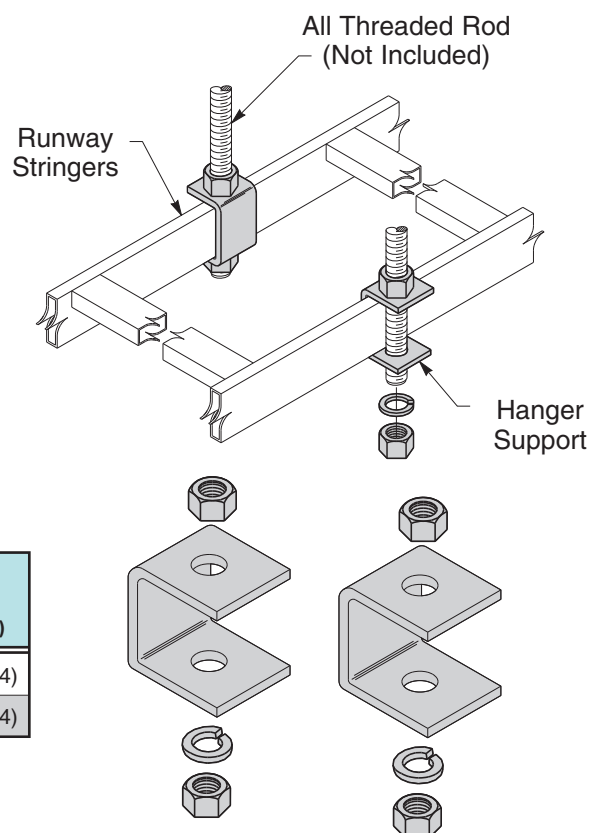
- Use to suspend cable runway from all threaded rod.
- Includes one hanger support (no hardware).
- Material: ASTM A570 structural steel
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)



Part Number	Runway Height		'H'		ATR Size	Hole Size		Weight	
	In.	(mm)	In.	(mm)		In.	(mm)	Lbs.	(kg)
SB156A ___	1 1/2"	(38)	1 17/32"	(38.9)	1/2"-13	17/32"	(13.5)	0.38	(0.17)
SB156B ___	1 1/2"	(38)	1 17/32"	(38.9)	5/8"-11	21/32"	(16.6)	0.38	(0.17)

Runway Support Kit

- Use to suspend cable runway from all threaded rod.
- Includes two hanger supports and hardware.
- Material: ASTM A570 structural steel
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)

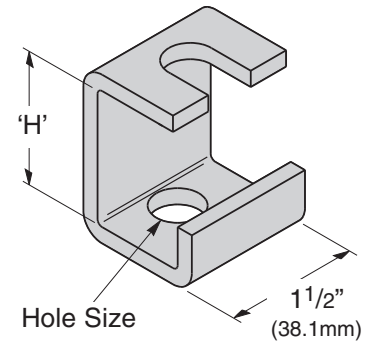
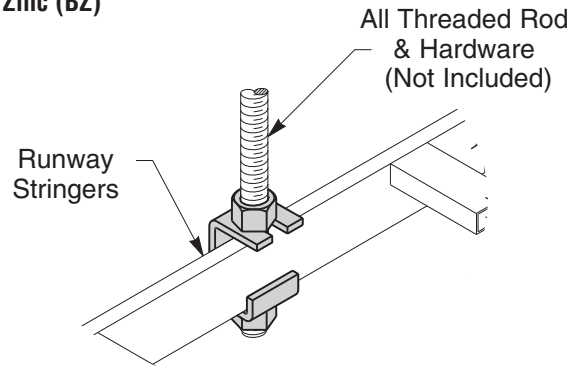


Part Number	Runway Height		ATR Size	Weight	
	In.	(mm)		Lbs.	(kg)
SB2116A ___	1 1/2"	(38)	5/8"-11	0.76	(0.34)
SB2116D ___	1 1/2"	(38)	1/2"-13	0.76	(0.34)

 BZ & YZ are popular Bee List items

Slotted Runway Support

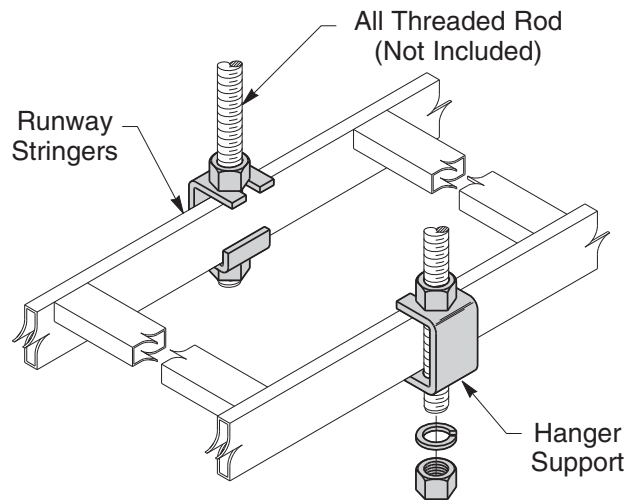
- Use to suspend cable runway from all threaded rod.
- Includes one slotted hanger support (no hardware).
- Material: ASTM A570 structural steel
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)



Part Number	Runway Height		'H'		ATR Size	Hole Size		Weight	
	In.	(mm)	In.	(mm)		In.	(mm)	Lbs.	(kg)
SB157A ___	1 1/2"	(38)	1 9/16"	(39.7)	1/2"-13	9/16"	(14.3)	0.38	(0.17)
SB157B ___	1 1/2"	(38)	1 9/16"	(39.7)	5/8"-11	11/16"	(17.5)	0.38	(0.17)

Slotted Runway Support Kit

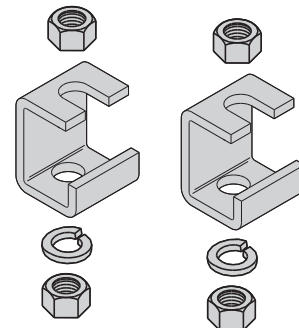
- Use to suspend cable runway from all threaded rod.
- Slotted hanger support design allows easier cable runway installation.
- Includes two slotted hanger supports and hardware.
- Material: ASTM A570 structural steel
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)



Part Number	Runway Height		ATR Size	Weight	
	In.	(mm)		Lbs.	(kg)
 SB2118A ___	1 1/2"	(38)	5/8"-11	0.52	(0.23)
 SB2118D ___	1 1/2"	(38)	1/2"-13	0.71	(0.32)

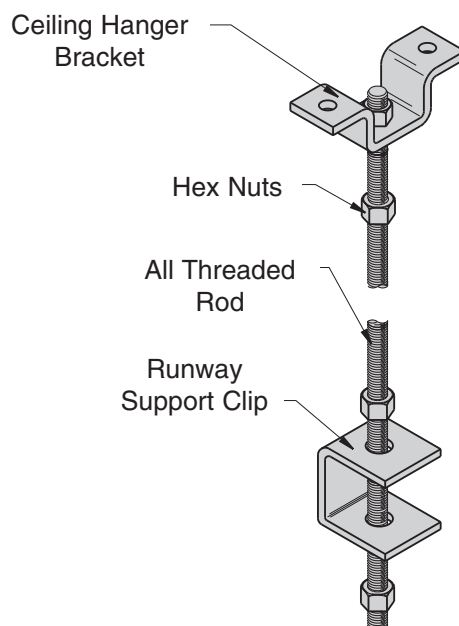


BZ & YZ are popular Bee List items



Runway To Ceiling Kit

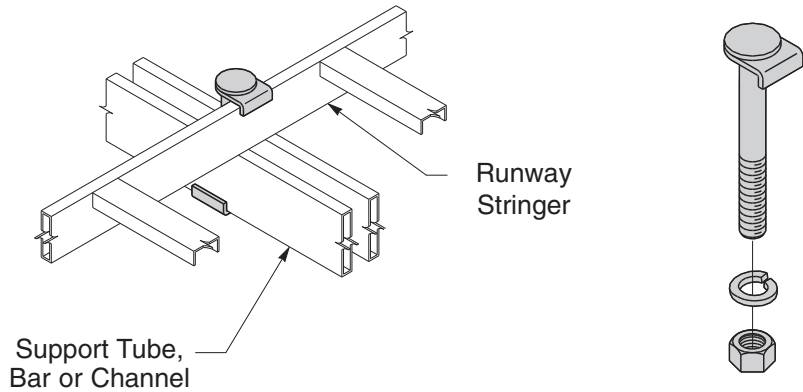
- Use to suspend cable runway paths from a ceiling.
- Includes (1) 72" (1829mm) section of all threaded rod, (1) ceiling hanger bracket, (1) runway support clip and (4) hex nuts
- Available in 3/8"-16 (SB2221A) or 5/8"-11 (SB2221C) threaded rod sizes.
Other sizes available upon request.
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)



Part Number	Runway Height		ATR Size	Weight	
	In.	(mm)		Lbs.	(kg)
SB2221A___	1 1/2"	(38)	3/8"-16	2.7	(1.22)
SB2221C___	1 1/2"	(38)	5/8"-11	6.5	(2.95)

'J' Clip & Kits

- Use to attach cable runway to auxiliary support.
- SB107 includes one (1) "J" clip and hardware as shown.
- SB2003A & SB2003B include one (1) "J" clip, one (1) framing clip, and hardware as shown.
- Material: ASTM A570 structural steel
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)



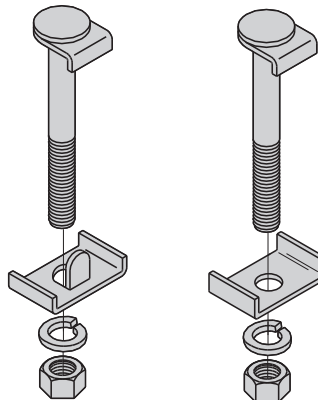
SB107

One 'J' Clip

Part Number	Runway Height		Use With Support Structure	Weight	
	In.	(mm)		Lbs.	(kg)
SB107 ___	1 1/2"	(38)	3/8" (9mm) x 1 1/2" (38mm) runway	0.5	(0.22)

SB2003A

SB2003B

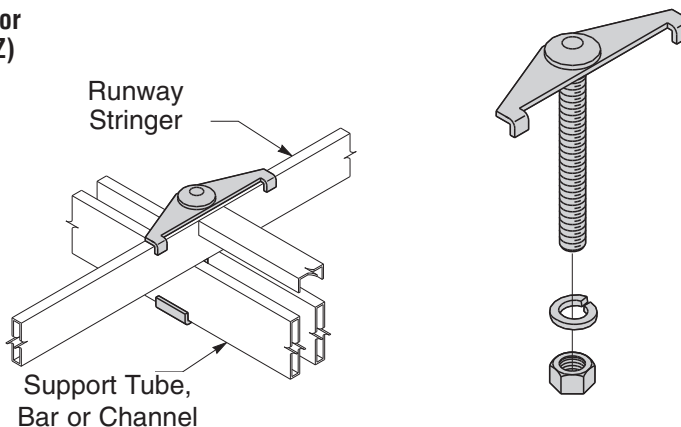


One Pair of 'J' Clips

Part Number	Runway Height		Use With Support Structure	Weight	
	In.	(mm)		Lbs.	(kg)
SB2003A ___	1 1/2"	(38)	9/16" (14mm) x 2" (51mm) tube or channel	0.5	(0.22)
SB2003B ___	1 1/2"	(38)	3/8" (9mm) x 2" (51mm) bar	0.5	(0.22)

Spanner Clip & Kit

- Use to attach cable runway to auxiliary support.
- Used where rung of cable grid or cable runway is directly positioned over support tube, bar or channel.
- SB107A includes one (1) spanner clip and hardware as shown.
- SB2003E & SB2003F include one (1) spanner clip, one (1) framing clip, and hardware as shown.
- Material: ASTM A570 structural steel
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)



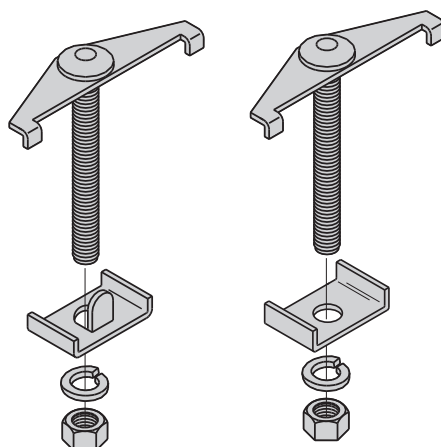
SB107A

One Spanner Clip

Part Number	Runway Height		Use With Support Structure	Weight	
	In.	(mm)		Lbs.	(kg)
SB107A___	1 1/2"	(38)	3/8" (9mm) x 1 1/2" (38mm) runway	0.5	(0.22)

SB2003E
Series

SB2003F
Series

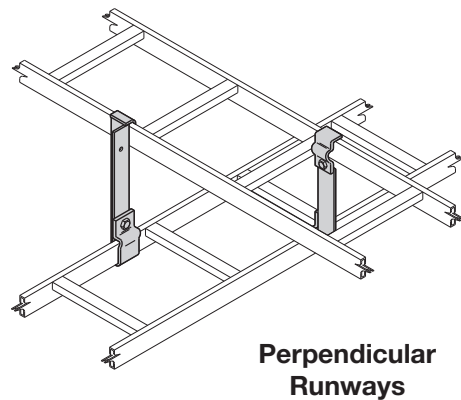
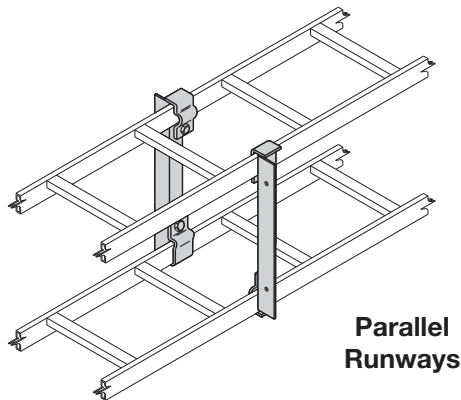
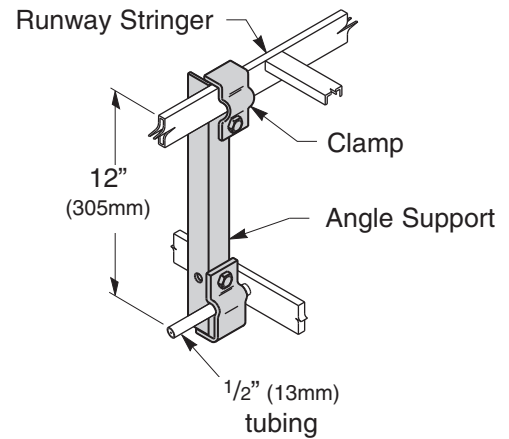


One Pair of Spanner Clips

Part Number	Runway Height		Use With Support Structure	Weight	
	In.	(mm)		Lbs.	(kg)
SB2003E___	1 1/2"	(38)	9/16" (14mm) x 2" (51mm) tube or channel	0.6	(0.27)
SB2003F___	1 1/2"	(38)	3/8" (9mm) x 2" (51mm) bar	0.6	(0.27)

Runway Standoff Support

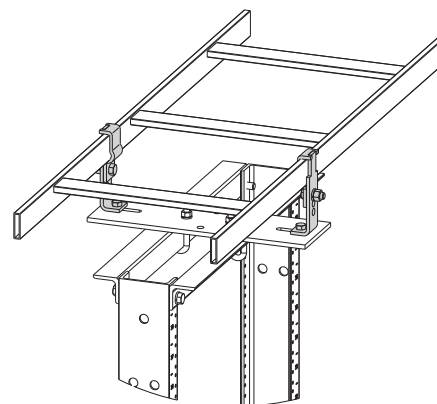
- Use to support or suspend one cable grid or runway from another.
- Provides 12" (305mm) spacing between decks.
- Designed for parallel or perpendicular runways.
- Includes: (2) angle supports, (4) clamps and 3/8"-16 hardware.
- Material: Support & Clamps - ASTM A36 structural steel
- Finish: Yellow Zinc (YZ) or Black Zinc (BZ)
- Note: For vertical support **only**.
Diagonal bracing may be required



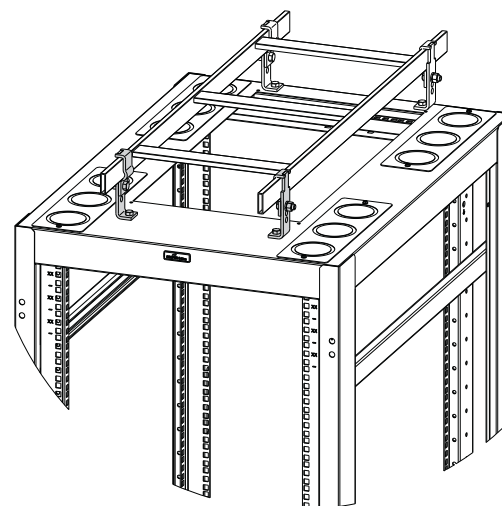
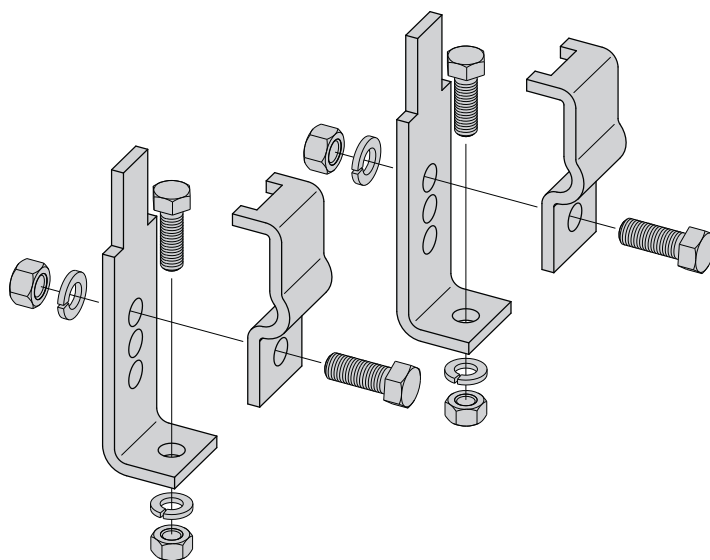
Part Number	Runway Height		Weight	
	In.	(mm)	Lbs.	(kg)
SB2125__	1 1/2"	(38)	5.0	(2.26)
SB21252__	2"	(51)	5.0	(2.26)

Runway Stand-Off Kit

- Use to provide additional space between the top of racks and enclosures over standard runway attachment devices.
- Elevation kits options are 2" (51mm, 2 1/2" (63mm) or 3" (76mm) and 4" (101mm, 5" (127mm) or 6" (152mm).
- Can be installed to accommodate perpendicular or parallel pathway orientations.
- Rack elevation kits include: (1) pair of brackets and assembly hardware.
- Cabinet elevation kits include: (2) pair of brackets and assembly hardware.
- Rack elevation kits attach to SB2133 or SB2134 series top plate runway support kits (sold separately).
- Cabinet elevation kits attach directly to the cabinets.
- Finish: Flat Black Powder Coat (FB), Telco Gray Powder Coat (TG) or Yellow Zinc (YZ)



Two-Post Rack Application



Enclosure Application

Part Number	Application	Runway Height		Elevation Settings		Weight	
		In.	(mm)	In.	(mm)	Lbs.	(kg)
SB227R3__	Two-Post Rack	1 1/2"	(38)	2", 2 1/2", & 3"	(51, 63, & 76)	1.5	(0.68)
SB227R6__	Two-Post Rack	1 1/2"	(38)	4", 5", & 6"	(101, 127, & 152)	1.5	(0.68)
SB227E3__	Enclosures	1 1/2"	(38)	2", 2 1/2", & 3"	(51, 63, & 76)	1.5	(0.68)
SB227E6__	Enclosures	1 1/2"	(38)	4", 5", & 6"	(101, 127, & 152)	1.5	(0.68)

Runway Hold-Down Clamp Kit

- Use to secure cable runway to wall, floor, ceiling, or strut.
- Order anchors separately.
- SB2114A Series include two (2) wall clamps.
- SB164 Series include one (1) wall clamp.
- Material: 11 Ga. (3.0mm) ASTM A570 structural steel
- Finish___: Yellow Zinc (YZ), Flat Black Powder Coat (FB), or Telco Gray Powder Coat (TG)

One Clamp

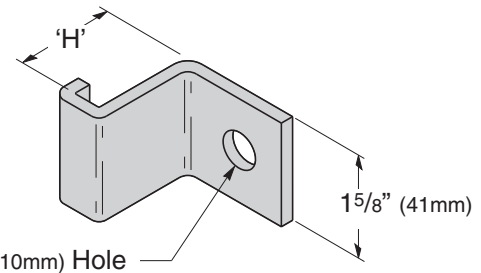
Part Number	Runway Height 'H'		Weight	
	In.	(mm)	Lbs.	(kg)
SB16411/2_*	1 1/2"	(38)	0.27	(0.12)

One Pair of Clamps

Part Number	Runway Height 'H'		Weight	
	In.	(mm)	Lbs.	(kg)
SB2114A_	1 1/2"	(38)	0.54	(0.24)

Runway Stringer

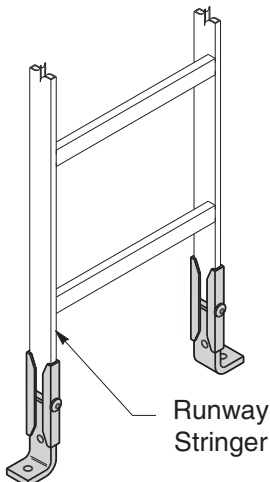
SB2114A Series
(Sold as one pair of clamps)



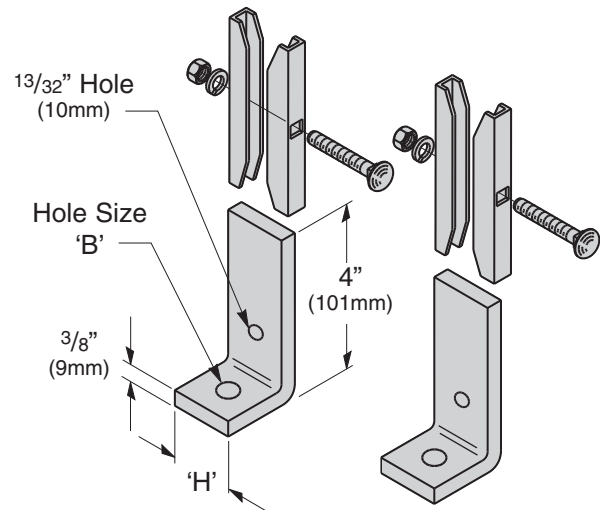
FB & YZ are popular Bee List items

Runway Foot Kit

- Use to secure cable runway to floor, ceiling, or wall.
- Order anchors separately.
- Includes: (2) end supports, (2) clamps and 5/16"-18 hardware.
- Material: ASTM A36 structural steel
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)
- UL Classified - file number E60548



Runway Stringer

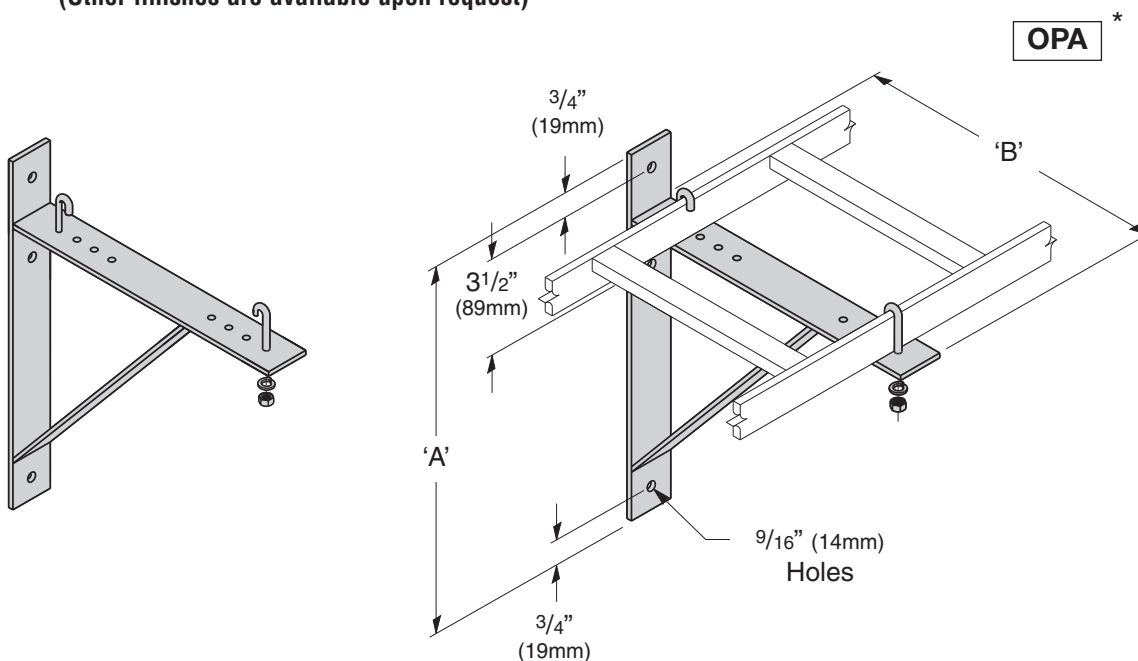


Part Number	Runway Height 'H'		Hole Size 'B'		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB2106A_	1 1/2"	(38)	7/16"	(11)	2.60	(1.18)
SB2106B_	1 1/2"	(38)	9/16"	(14)	2.60	(1.18)

BZ & YZ are popular Bee List items

Triangular Runway Wall Support Kit

- Use to support cable runway from wall.
- Sized for both 1 1/2" (38mm) & 2" (51mm) stringers.
- Welded steel construction.
- Designed for 6" (152mm), 9" (228mm), and 12" (305mm) cable runways.
- Order anchors separately.
- See SB214 for larger sizes.
- Support width: 2" (51mm)
- Includes: (1) wall support, (2) "J" bolts, and 5/16"-18 hardware.
- Material: 1/4" (6mm) ASTM A36 structural steel
- Finish___: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
(Other finishes are available upon request)



Part Number Steel	Runway Width 'W'		'A'		'B'		Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB21306K___	6"	(152)	10"	(254)	7 7/8"	(254)	3.8	(1.7)
SB21312K___	6" - 12"	(152 - 305)	13 1/8"	(254)	13 7/8"	(292)	5.9	(2.7)
SB21318K___	12" - 18"	(305 - 457)	19 1/8"	(254)	19 7/8"	(368)	8.8	(4.0)



FB, TG & YZ are popular Bee List items

*See page 344 for OPA details.

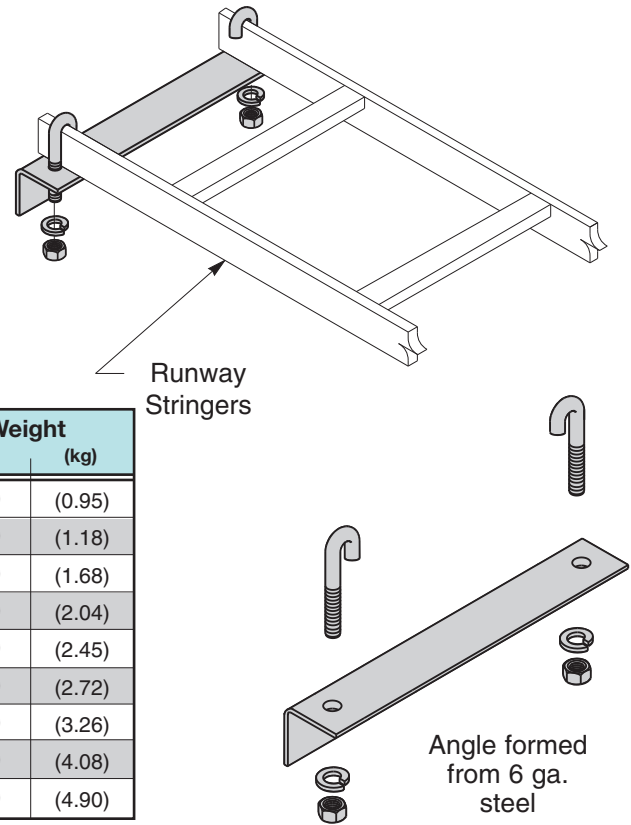
Runway Wall Angle Support Kit

- Use to secure cable runway to a wall.
- Sized for both 1 1/2" (38mm) & 2" (51mm) stringers.
- Order anchors separately.
- Includes: (1) angle bracket, (2) "J" Bolts and 5/16"-18 hardware.
- Material: 6 Gauge ASTM A569 steel
- Finish: Yellow Zinc (YZ), Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB) (Other finishes are available upon request)

Part Number For	Runway Width		Weight	
	In.	(mm)	Lbs.	(kg)
SB211306	6"	(152)	2.10	(0.95)
SB211309	9"	(228)	2.60	(1.18)
SB211312	12"	(305)	3.70	(1.68)
SB211315	15"	(381)	4.50	(2.04)
SB211318	18"	(457)	5.40	(2.45)
SB211320	20"	(508)	6.00	(2.72)
SB211324	24"	(609)	7.20	(3.26)
SB211330	30"	(762)	9.00	(4.08)
SB211336	36"	(914)	10.80	(4.90)

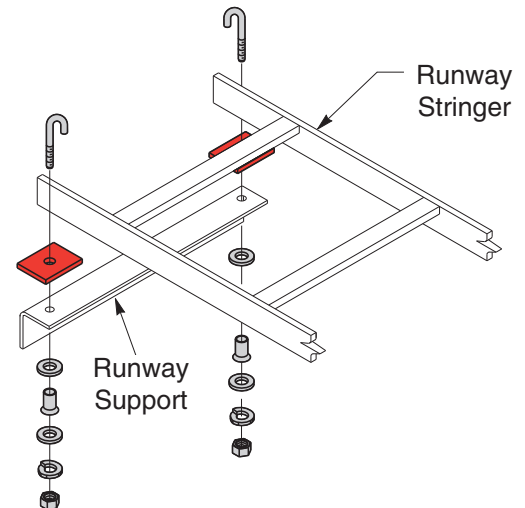
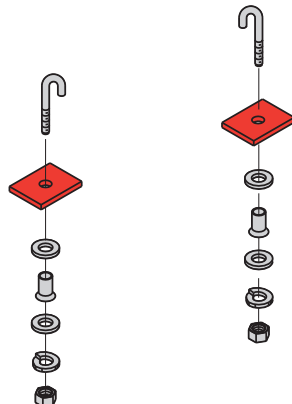


FB, TG & YZ are popular Bee List items



Runway Wall Support Isolation Kit

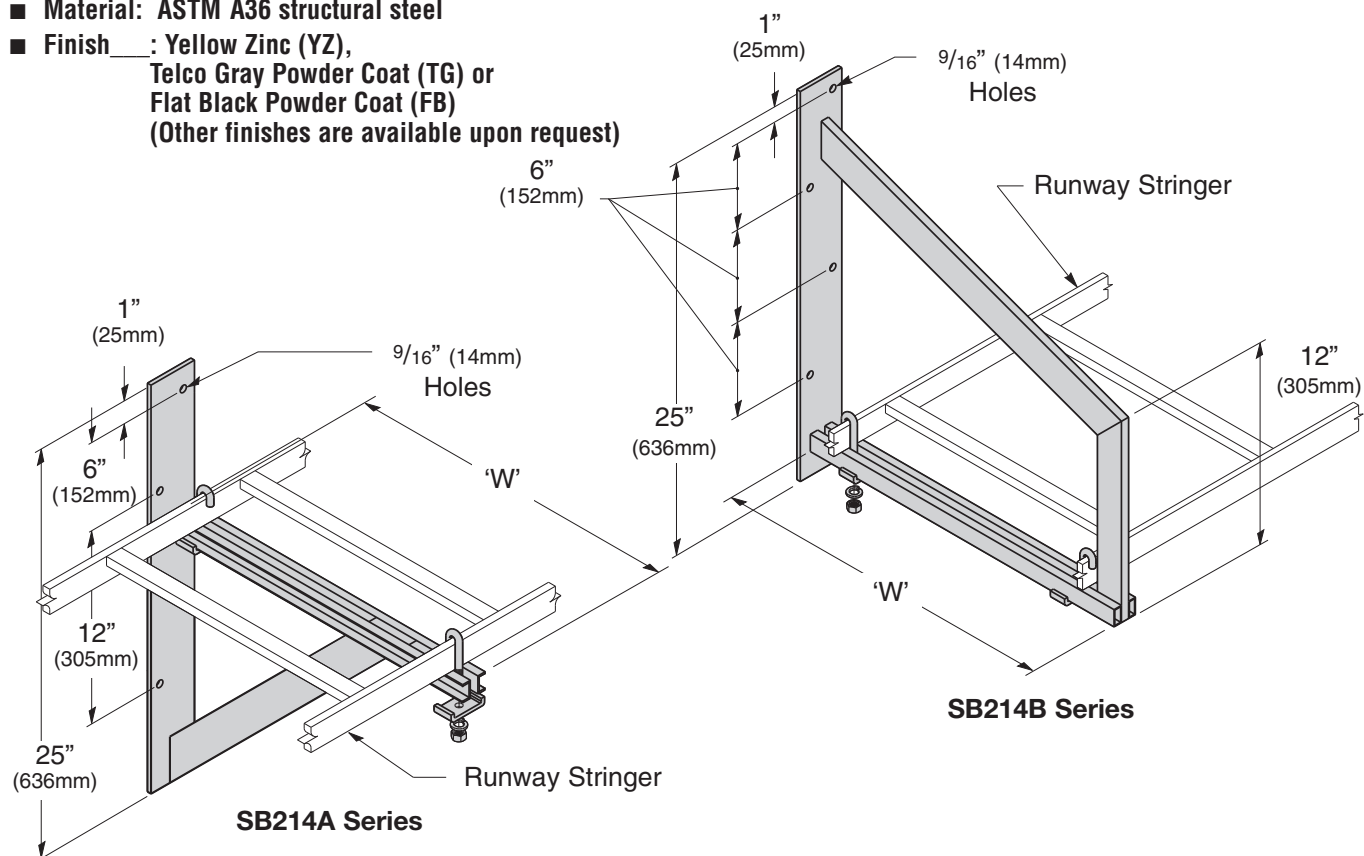
- Use to secure and provide electrical isolation of cable runway to wall support.
- Includes: (2) pads, (2) "J" Bolts, (2) sleeve kits and hardware.
- Material: Polyester fiberglass - pad
6/6 Nylon - sleeve
steel - "J" Bolt and hardware
- Finish: Pad - Red
Sleeve - Natural
J-Bolts and hardware - Yellow Zinc (YZ)



Part Number	Runway Height		Weight	
	In.	(mm)	Lbs.	(kg)
SB2501	1 1/2"	(38)	0.20	(0.09)

Runway Wall Support

- Use to support cable runway from wall.
- Sized for both 1 1/2" (38mm) & 2" (51mm) stringers.
- Welded steel construction.
- Designed for 15" (381mm), 18" (457mm), and 24" (609mm) cable runways.
- See SB213 for smaller sizes.
- Order anchors separately.
- Includes: (1) wall support, (2) "J" bolts, (2) framing clips, and 5/16"-18 hardware.
- Material: ASTM A36 structural steel
- Finish: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
(Other finishes are available upon request)



SB214A Series

Part Number	Runway Width		'W' Bracket Width		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB214A15K__	15"	(381)	18"	(457)	9.0	(4.1)
SB214A18K__	18"	(457)	21"	(533)	9.3	(4.2)
SB214A24K__	24"	(609)	27"	(686)	10.0	(4.5)

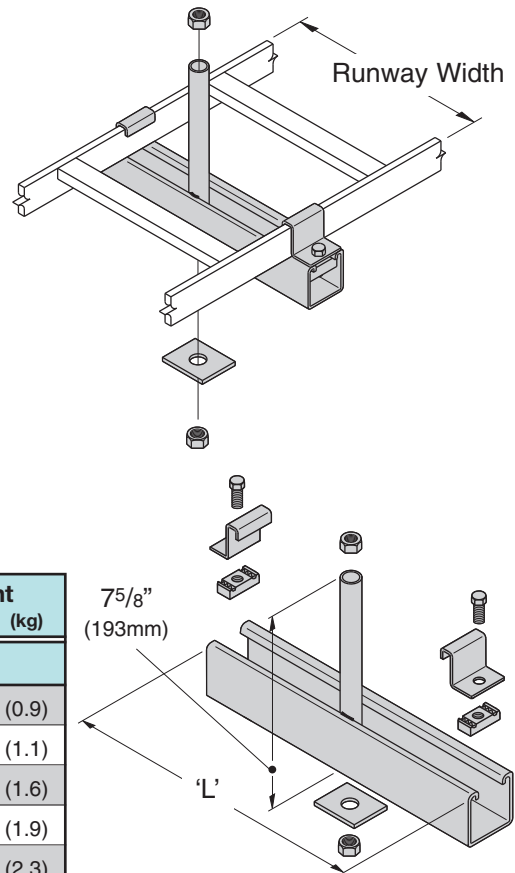
SB214B Series

Part Number	Runway Width		'W' Bracket Width		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB214B15K__	15"	(381)	18"	(457)	10.0	(4.5)
SB214B18K__	18"	(457)	21"	(533)	10.5	(4.7)
SB214B24K__	24"	(609)	27"	(686)	11.4	(5.2)

Cable Runway Center Hung Supports

- Used to support cable runways.
- For use with 1/2"-13 or 5/8"-11 threaded rod.
- Welded steel construction.
- Includes: (1) support, (2) hold-down clamps, (2) HHCS, (2) channel nuts, (1) square washer, (2) 1/2"-13 hex nuts, and (2) 5/8"-11 hex nuts
- Material: ASTM A570 structural steel
- Finish: Yellow Zinc (YZ), Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB) (Other finishes are available upon request)

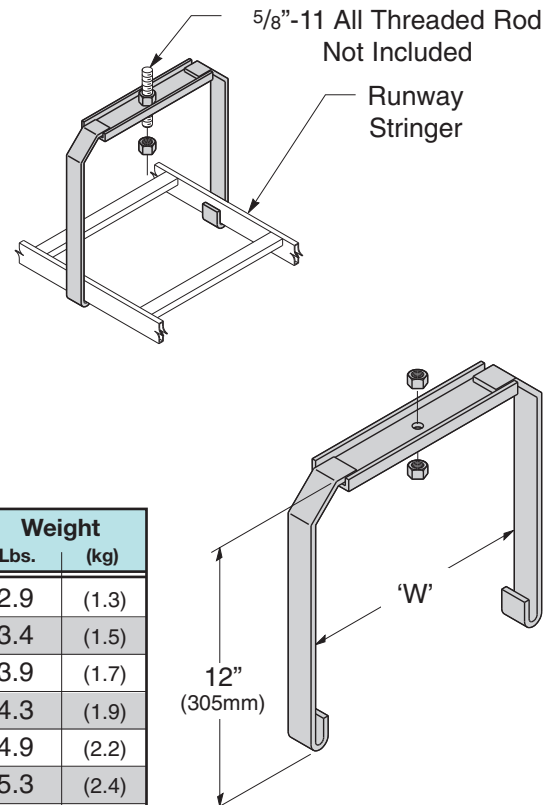
Part Number	Runway Width		'L'		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
For 3/8" (9mm) x 1 1/2" (38mm) Stringers						
SB2127S06	6"	(152)	9"	(228)	2.0	(0.9)
SB2127S09	9"	(228)	12"	(305)	2.5	(1.1)
SB2127S15	12" - 15"	(305-381)	21"	(533)	3.5	(1.6)
SB2127S20	18" - 20"	(457-508)	21"	(533)	4.3	(1.9)
SB2127S24	24"	(609)	27"	(686)	5.0	(2.3)



Runway Center Support Hanger Kit

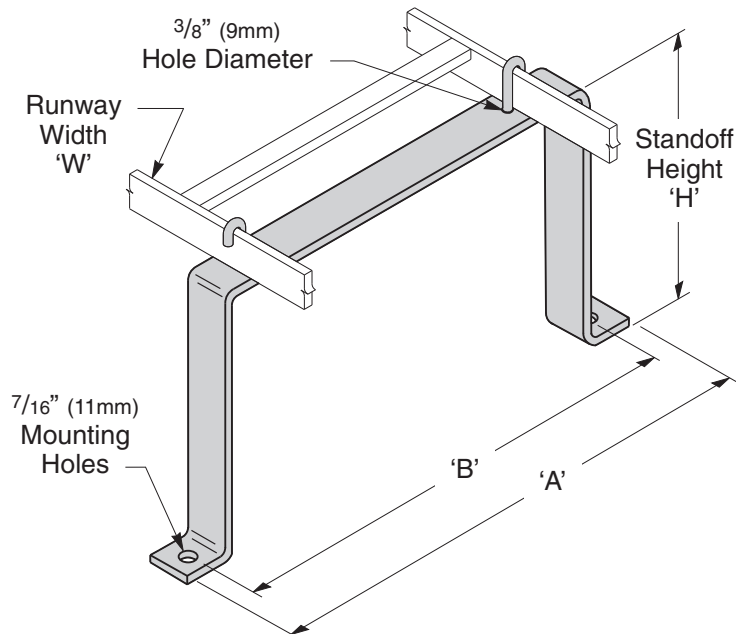
- Use to suspend cable runway from a single all threaded rod.
- Welded steel construction.
- Includes: (1) center support and (2) 5/8"-11 hex nuts.
- Material: ASTM A36 structural steel
- Finish: Yellow Zinc (YZ), Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB) (Other finishes are available upon request)

Part Number	Runway Width		'W'		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB212706A	6"	(152)	6 1/8"	(155)	2.9	(1.3)
SB212709A	9"	(228)	9 1/8"	(232)	3.4	(1.5)
SB212712A	12"	(305)	12 1/8"	(308)	3.9	(1.7)
SB212715A	15"	(381)	15 1/8"	(384)	4.3	(1.9)
SB212718A	18"	(457)	18 1/8"	(460)	4.9	(2.2)
SB212720A	20"	(508)	20 1/8"	(511)	5.3	(2.4)
SB212724A	24"	(609)	24 1/8"	(613)	6.1	(2.7)



Runway Support

- Use to support cable runway from equipment cabinets, floor, or wall.
- Includes 5/16" "J" bolts and nuts. Anchors sold separately.
- Material: ASTM A36 structural steel
- Finish___: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
(Other finishes are available upon request)



Part Number	'W'		'A'		'B'		'H'		Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB2260602___	6"	(152)	9 ³ / ₄ "	(247)	7"	(178)	2"	(51)	1.1	(0.50)
SB2260604___							4"	(101)	1.4	(0.63)
SB2260606___							6"	(152)	1.7	(0.77)
SB2260608___							8"	(203)	2.1	(0.95)
SB2260610___							10"	(254)	2.4	(1.09)
SB2260612___							12"	(305)	2.7	(1.22)

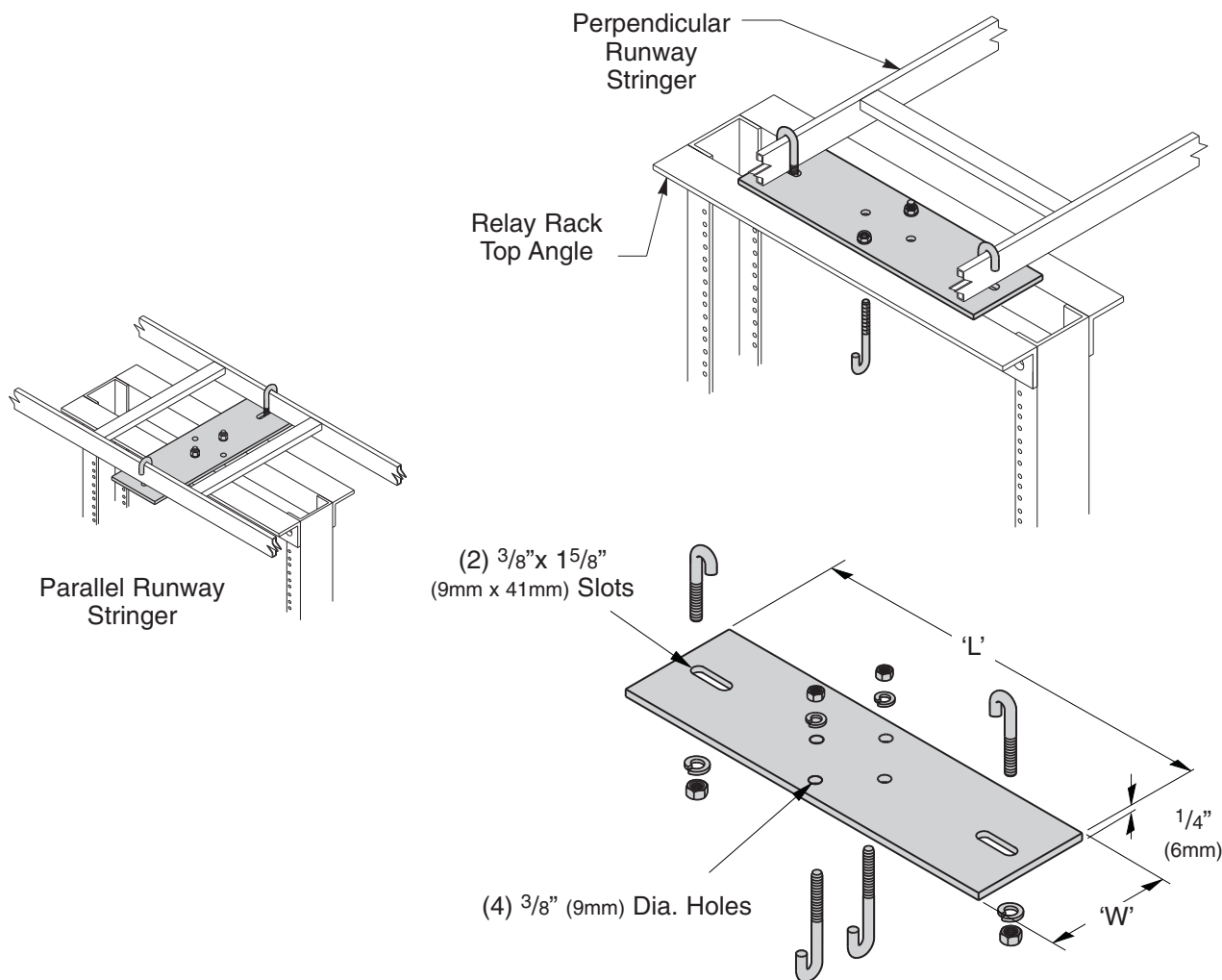
Chart for SB226 series continued on page 141.

Part Number	'W'		'A'		'B'		'H'		Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB2260902	9"	(228)	12 ³ / ₄ "	(324)	10"	(254)	2"	(51)	1.3	(0.59)
SB2260904							4"	(101)	1.7	(0.77)
SB2260906							6"	(152)	2.0	(0.91)
SB2260908							8"	(203)	2.3	(1.04)
SB2260910							10"	(254)	2.6	(1.18)
SB2260912							12"	(305)	2.9	(1.31)
SB2261202	12"	(305)	15 ³ / ₄ "	(400)	13"	(330)	2"	(51)	1.6	(0.72)
SB2261204							4"	(101)	1.9	(0.86)
SB2261206							6"	(152)	2.2	(1.00)
SB2261208							8"	(203)	2.5	(1.13)
SB2261210							10"	(254)	2.8	(1.27)
SB2261212							12"	(305)	3.2	(1.45)
SB2261502	15"	(381)	18 ³ / ₄ "	(476)	16"	(406)	2"	(51)	1.8	(0.81)
SB2261504							4"	(101)	2.1	(0.95)
SB2261506							6"	(152)	2.4	(1.09)
SB2261508							8"	(203)	2.8	(1.27)
SB2261510							10"	(254)	3.1	(1.40)
SB2261512							12"	(305)	3.4	(1.54)
SB2261802	18"	(457)	21 ³ / ₄ "	(552)	19"	(482)	2"	(51)	2.1	(0.95)
SB2261804							4"	(101)	2.4	(1.09)
SB2261806							6"	(152)	2.7	(1.22)
SB2261808							8"	(203)	3.0	(1.36)
SB2261810							10"	(254)	3.3	(1.49)
SB2261812							12"	(305)	3.6	(1.63)
SB2262002	20"	(508)	23 ³ / ₄ "	(603)	21"	(533)	2"	(51)	2.3	(1.04)
SB2262004							4"	(101)	2.6	(1.18)
SB2262006							6"	(152)	2.9	(1.31)
SB2262008							8"	(203)	3.2	(1.45)
SB2262010							10"	(254)	3.5	(1.59)
SB2262012							12"	(305)	3.8	(1.72)
SB2262402	24"	(609)	27 ³ / ₄ "	(705)	25"	(635)	2"	(51)	2.5	(1.13)
SB2262404							4"	(101)	2.8	(1.27)
SB2262406							6"	(152)	3.2	(1.45)
SB2262408							8"	(203)	3.5	(1.59)
SB2262410							10"	(254)	3.8	(1.72)
SB2262412							12"	(305)	4.1	(1.86)

Finish___: Yellow Zinc (YZ), Telco Gray Powder Coat (TG),
Computer White Powder Coat (CW) or Flat Black Powder Coat (FB)

3" Upright Network Equipment Rack Top Plate Runway Support Kit

- Use to secure cable runway to top angles of network equipment rack.
- Accommodates runway in parallel or perpendicular arrangement.
- Includes: (1) mounting plate and (4) "J" bolts with $\frac{5}{16}$ "-18 hardware.
- Material: ASTM A36 structural steel
- Finish___: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG), or
Flat Black Powder Coat (FB)
(Other finishes are available upon request)

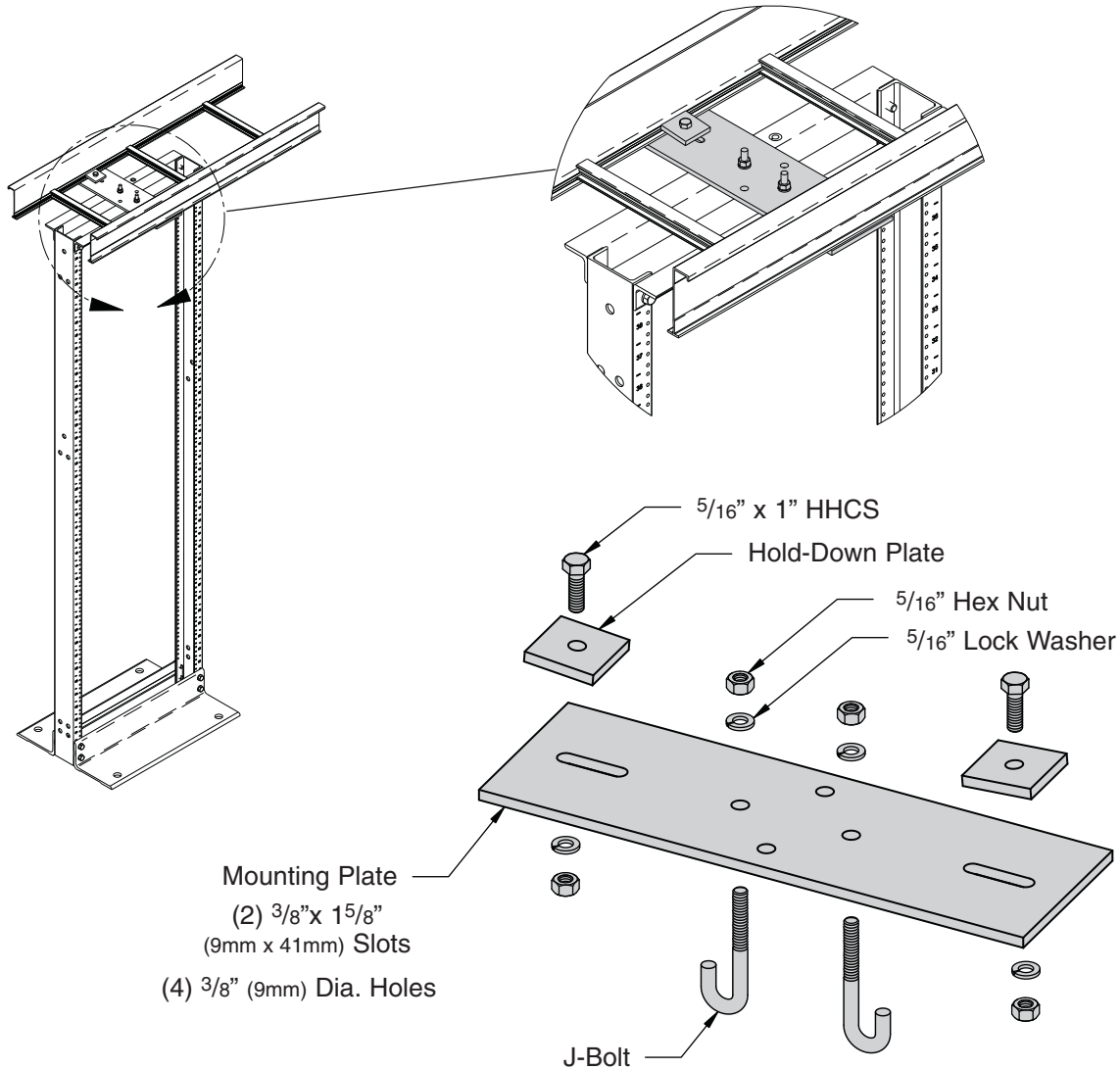


Part Number	Runway Width		Width 'W'		Length 'L'		Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB213309	6" - 9"	(152 - 228)	4"	(101)	9 ⁷ / ₈ "	(251)	3.4	(1.5)
SB213312	8" - 12"	(203 - 305)	4"	(101)	12 ⁷ / ₈ "	(327)	4.3	(2.0)
SB213318	14" - 18"	(355 - 457)	4"	(101)	18 ⁷ / ₈ "	(479)	6.1	(2.8)
SB213324	24"	(609)	7"	(178)	24 ⁷ / ₈ "	(632)	12.5	(5.7)

FB, TG & YZ are popular Bee List items

3" Upright Network Equipment Rack Top Plate Redi-Rail™ Support Kit

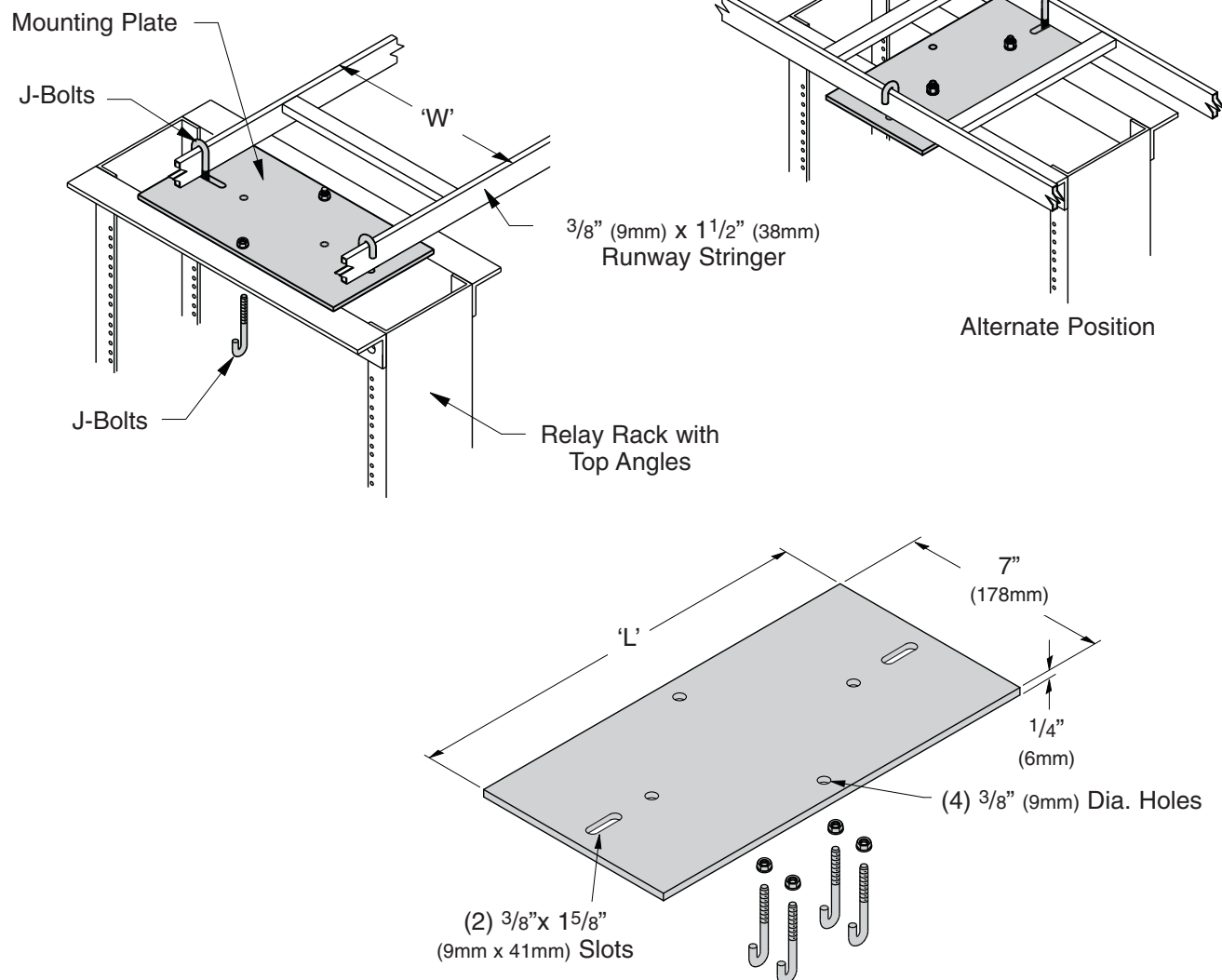
- Use to secure Cooper B-Line Redi-Rail to top angles of network equipment rack.
- Accommodates Redi-Rail in parallel or perpendicular arrangement.
- Includes: (1) mounting plate, (2) hold-down plates, (2) "J" bolts, and 5/16"-18 hardware.
- Material: ASTM A36 structural steel
- Finish___: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG), or
Flat Black Powder Coat (FB)
(Other finishes are available upon request)



Part Number	Redi-Rail Width 'W'		Plate Size Width x Length		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB213312RR___	9" - 12"	(228 - 305)	4" x 12 ⁷ / ₈ "	(101 x 327)	6.0	(2.72)
SB213318RR___	18"	(457)	4" x 18 ⁷ / ₈ "	(101 x 479)	6.3	(2.85)

6" Upright Network Equipment Rack Top Plate Runway Support Kit

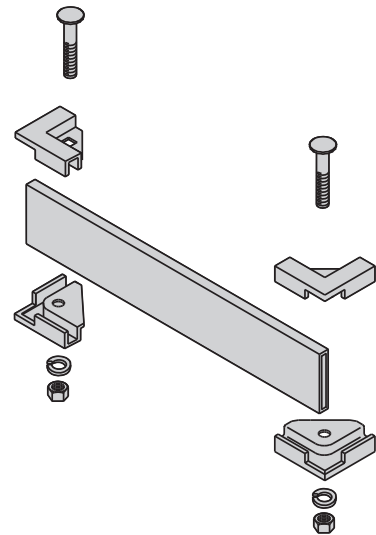
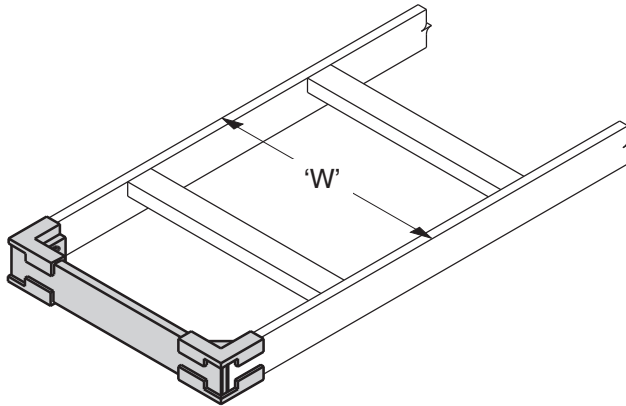
- Use to secure cable runway to top angles of network equipment rack.
- Accommodates runway in parallel or perpendicular arrangement.
- Includes: (1) mounting plate and (4) "J" bolts with $\frac{5}{16}$ "-18 hardware.
- Material: ASTM A36 structural steel
- Finish: Yellow Zinc (YZ), Telco Gray Powder Coat (TG), or Flat Black Powder Coat (FB)
(Other finishes are available upon request)



Part Number	Runway Width 'W'		Length 'L'		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB213209	6" - 9"	(152 - 228)	9 $\frac{3}{8}$ "	(238)	5.5	(2.49)
SB213212	8" - 12"	(203 - 305)	12 $\frac{3}{8}$ "	(314)	6.8	(3.08)
SB213218	14" - 18"	(355 - 457)	18 $\frac{3}{8}$ "	(467)	10.0	(4.53)
SB213224	24"	(609)	24 $\frac{3}{8}$ "	(619)	12.9	(5.85)

Runway Termination Kit

- Use to close end of cable runway.
- No drilling required for installation.
- Includes: (1) termination end, (2) clamps, and $\frac{3}{8}$ "-16 hardware.
- Material: ASTM A513 steel tube
- Finish____: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
(Other finishes are available upon request)

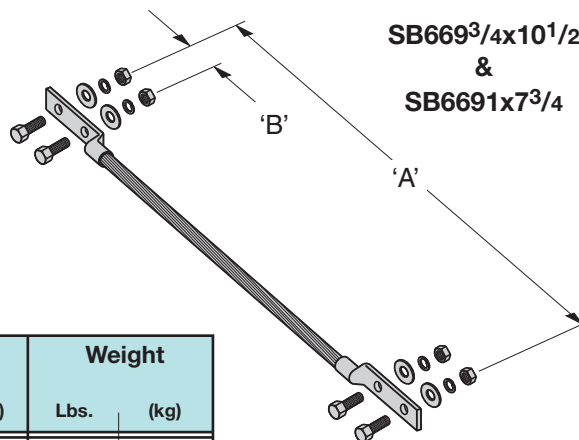
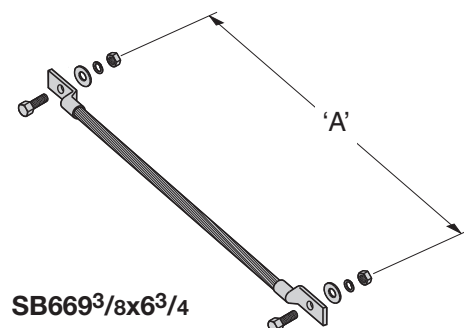


1 1/2" (38mm) Tube Stringers

Part Number	'W' Runway Width		Weight	
	In.	(mm)	Lbs.	(kg)
SB210506__	6"	(152)	1.0	(0.45)
SB210509__	9"	(228)	1.2	(0.54)
SB210512__	12"	(305)	1.4	(0.63)
SB210515__	15"	(381)	1.5	(0.68)
SB210518__	18"	(457)	1.7	(0.77)
SB210520__	20"	(508)	1.9	(0.86)
SB210524__	24"	(609)	2.1	(0.95)
SB210530__	30"	(762)	2.5	(1.13)
SB210536__	36"	(914)	2.9	(1.31)

Grounding Strap

- Use to provide grounding path.
- Includes: (1) cable with crimped lugs and hardware.
- Material: #6 flexible tin plated copper wire



Part Number	'A'		'B'		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB669 ³ /4x10 ¹ /2	10 ¹ /2"	(267)	3/4"	(19)	.36	(0.16)
SB6691x7 ³ /4	7 ³ /4"	(197)	1"	(25)	.27	(0.12)
SB669 ³ /8x6 ³ /4	6 ³ /4"	(171)	N/A	N/A	.20	(0.09)

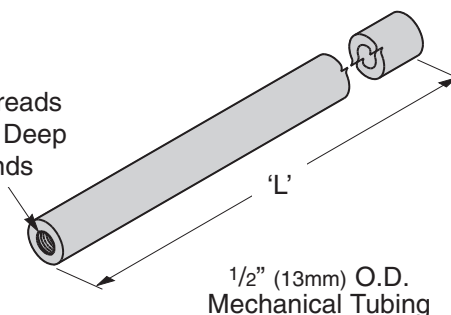


Popular Bee List item

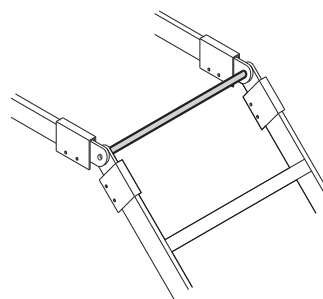
Cable Support Bar

- Use to support cable when using adjustable vertical bend SB2110.
- Material: 1/2" (13mm) x 13 Ga. (2.3mm) steel tubing
- Finish___: Yellow Zinc (YZ), Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB)
(Other finishes are available upon request)

3/8"-16 Threads
3/4" (19mm) Deep
Both Ends

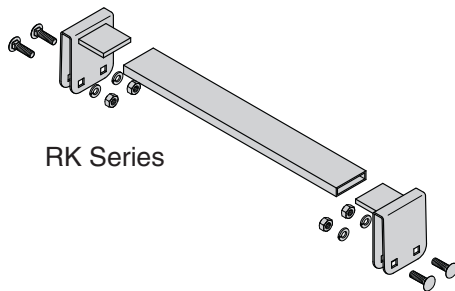
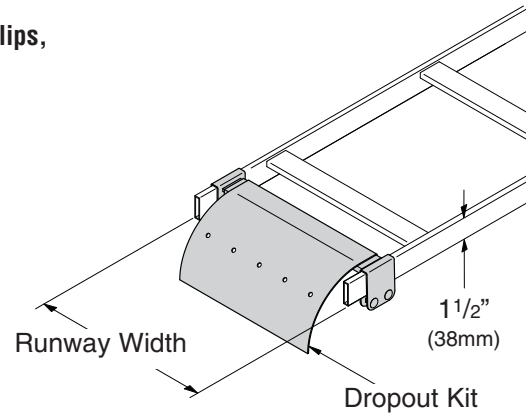


Part Number	'L' Length		Weight	
	In.	(mm)	Lbs.	(kg)
SB16106__	57/32"	(132)	0.24	(0.11)
SB16109__	87/32"	(209)	0.37	(0.17)
SB16112__	117/32"	(285)	0.51	(0.23)
SB16115__	147/32"	(361)	0.64	(0.29)
SB16118__	177/32"	(437)	0.78	(0.35)
SB16120__	197/32"	(234)	0.87	(0.39)
SB16124__	237/32"	(590)	1.05	(0.47)
SB16130__	297/32"	(742)	1.32	(0.60)
SB16136__	357/32"	(894)	1.59	(0.72)

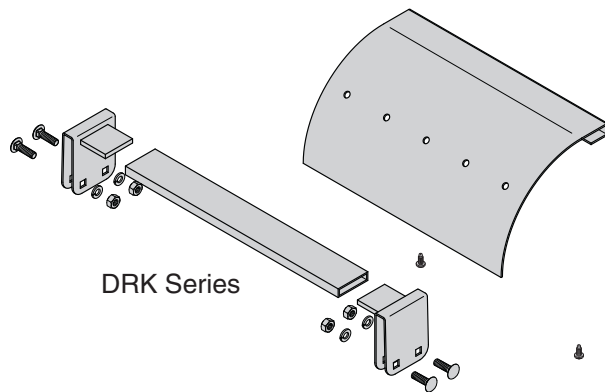


Rung Drop-Out Kit

- Used to insert an extra rung on existing runway sections to accommodate cable drops.
- Attaches to 1 1/2" (38mm) x 3/8" (9mm) stringers.
- Compatible with all 1 1/2" (38mm) stringer runway styles.
- SB17RK series rungs include: (1) rung, (2) rung clips, and assembly hardware.
- SB17DRK series drop-out kits include: (1) rung, (2) rung clips, (1) runway dropout, and assembly hardware.
- Steel construction
- Finish: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
(Other finishes are available upon request)



RK Series

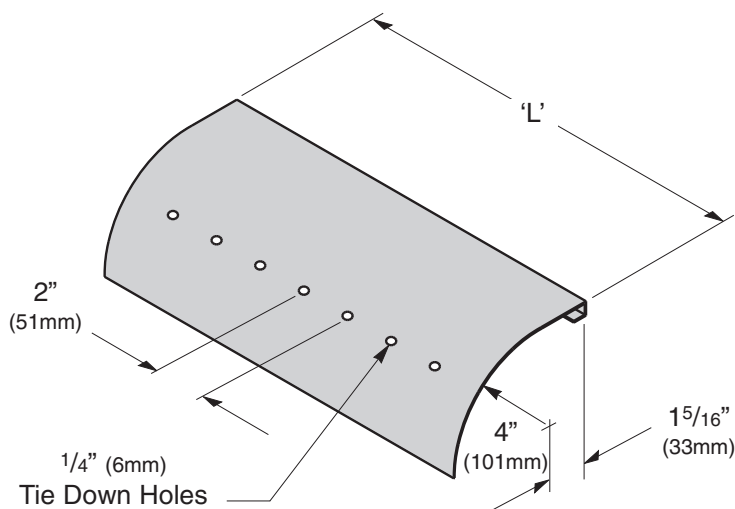
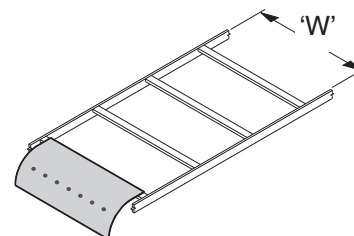


DRK Series

Part Number		Runway Width 'W'		Weight Each			
RK Series	DRK Series			RK Series		DRK Series	
		In.	(mm)	Lbs.	(kg)	Lbs.	(kg)
SB17RK05	SB17DRK05	5"	(127)	0.9	(0.41)	1.4	(0.63)
SB17RK06	SB17DRK06	6"	(152)	0.9	(0.41)	1.6	(0.72)
SB17RK09	SB17DRK09	9"	(228)	1.1	(0.50)	2.3	(1.04)
SB17RK12	SB17DRK12	12"	(305)	1.3	(0.59)	3.0	(1.36)
SB17RK15	SB17DRK15	15"	(381)	1.5	(0.68)	3.6	(1.63)
SB17RK18	SB17DRK18	18"	(457)	1.6	(0.72)	4.3	(1.93)
SB17RK20	SB17DRK20	20"	(508)	1.8	(0.81)	4.8	(2.17)
SB17RK24	SB17DRK24	24"	(609)	2.0	(0.91)	5.7	(2.58)
SB17RK30	SB17DRK30	30"	(762)	2.4	(1.09)	7.1	(3.22)
SB17RK36	SB17DRK36	36"	(914)	2.7	(1.22)	8.4	(3.81)

Steel Runway Drop-Out

- Use to provide a smooth radius for cable exit.
- SB2129 Series fits channel or tube rungs 1/2" (13mm) x 1" (25mm).
- SB2129U Series fits rungs 3/8" (9mm) x 1 1/2" (38mm).
- Cable tie down holes provided.
- 4" (102mm) cable bend radius.
- Includes: self-drilling screws.
- Material: 18 Gauge (1.2mm) ASTM A569 steel
- Finish___: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
(Other finishes are available upon request)



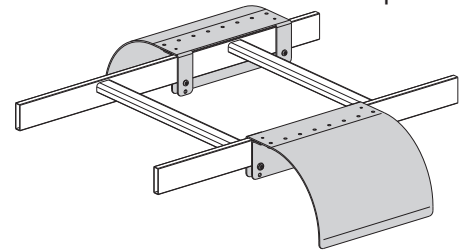
Part Number		Dropout Width 'L'		Runway Width 'W'		Weight	
SB2129 Series	SB2129U Series	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB212906	SB2129U06	4"	(101)	6"	(152)	0.7	(0.31)
SB212909	SB2129U09	7"	(178)	9"	(228)	1.2	(0.54)
SB212912	SB2129U12	10"	(254)	12"	(305)	1.7	(0.77)
SB212915	SB2129U15	13"	(330)	15"	(381)	2.2	(0.99)
SB212918	SB2129U18	16"	(406)	18"	(457)	2.7	(1.22)
SB212920	SB2129U20	18"	(457)	20"	(508)	3.0	(1.36)
SB212924	SB2129U24	22"	(559)	24"	(609)	3.7	(1.67)
SB212930	SB2129U30	28"	(711)	30"	(762)	4.7	(2.13)
SB212936	SB2129U36	34"	(863)	36"	(914)	5.7	(2.58)

 FB is a popular Bee List item

Side Drop-Out

- Allows for cable to exit from side of cable runway stringer.
- Provides a radius bend in accordance with EIA recommendations.
- Will fit either 3/8" (9mm) x 1 1/2" (38mm) or 2" (51mm) stringers.
- Includes installation hardware.
- Material: 14 ga. (1.9mm) ASTM A36 steel
- Finish: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)
(Other finishes are available upon request)

Installation
Example

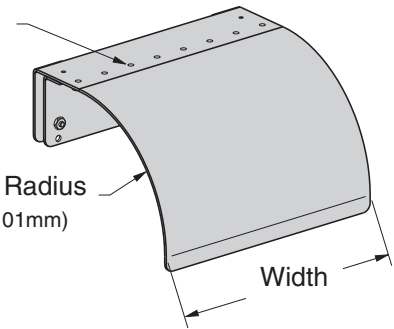


Part Number	Width		Weight	
	In.	(mm)	Lbs.	(kg)
SB2129SD06__	5"	(127)	1.8	(0.8)
SB2129SD09__	7 3/4"	(197)	1.8	(0.8)
SB2129SD12__	10 1/4"	(260)	2.0	(0.9)
SB2129SD18__	16 3/4"	(425)	3.9	(1.7)
SB2129SD24__	22 1/4"	(565)	5.1	(2.3)

Holes for
tiedown

Bend Radius
4" (101mm)

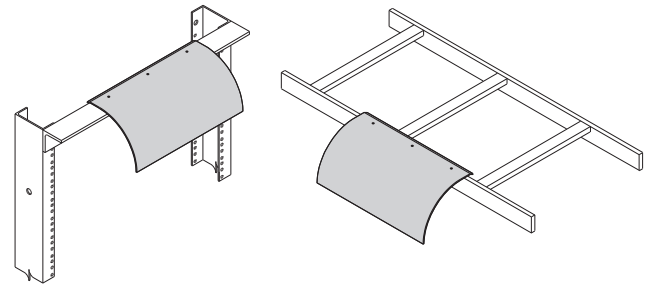
Width



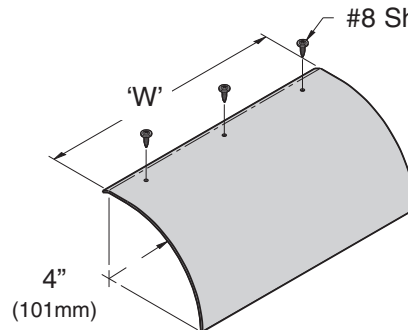
 BZ & YZ are popular Bee List items

Universal Drop-Out

- Drop-out can be used on both cable runway and relay racks.
- Provides a radius bend in accordance with EIA recommendations.
- Attaches with sheet metal screws (included).
- Material: Aluminum
- Finish: Brushed Aluminum (AL),
Telco Gray Powder Coat (TG),
Computer White Powder Coat (CW) or
Flat Black Powder Coat (FB)



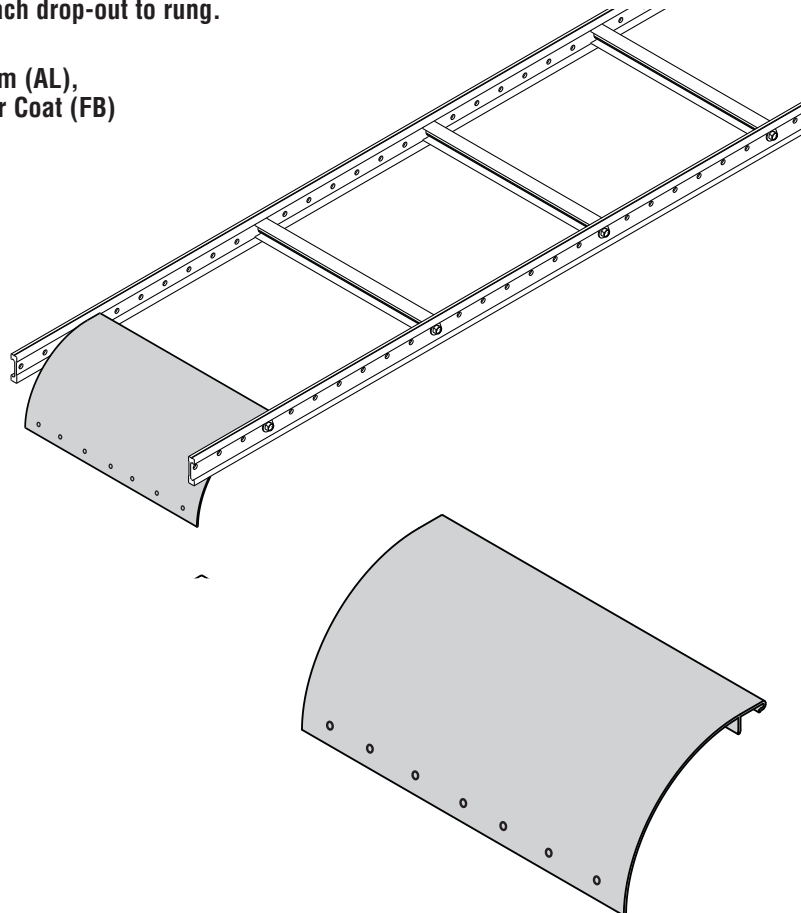
#8 Sheet Metal Screws



Part Number	'W'		# of Screws	Weight	
	In.	(mm)		Lbs.	(kg)
SB78706__	5.44	(138)	2	0.3	(0.13)
SB78712__	11.44	(290)	3	0.7	(0.32)
SB78718__	17.44	(443)	4	1.1	(0.50)

Drop-Out for Aluminum C-Channel Stringer Only

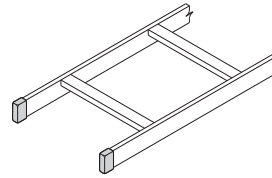
- Provides a radius bend in accordance with EIA recommendations.
- Fits SB13AL style stringer only (not compatible with welded runways).
- No hardware required to attach drop-out to rung.
- Material: Aluminum
- Finish___: Brushed Aluminum (AL),
Flat Black Powder Coat (FB)



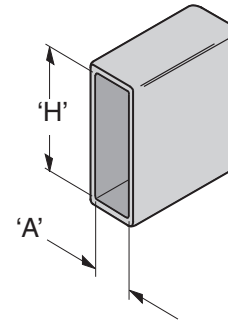
Part Number	Width		Weight	
	In.	(mm)	Lbs.	(kg)
SB13ALDO06__	5.24"	(184)	0.4	(0.18)
SB13ALDO09__	8.24"	(209)	0.7	(0.32)
SB13ALDO12__	11.24"	(285)	0.9	(0.41)
SB13ALDO18__	17.24"	(438)	1.4	(0.63)
SB13ALDO24__	23.24"	(590)	1.9	(0.86)
SB13ALDO30__	29.24"	(742)	2.3	(1.04)
SB13ALDO36__	35.24"	(895)	2.7	(1.22)

PVC End Cap

- Use as a protective covering for stringer ends of cable runway.
- Sold in packages of 10.
- Meets UL 94 Flame Resistance requirement.
- Material: Black PVC Plastic



Part Number	Stringer Size 'A' x 'H'		Weight	
	In.	(mm)	Lbs.	(kg)
SB110A1B	3/8" x 1 1/2"	(9 x 38)	.013	(0.006)

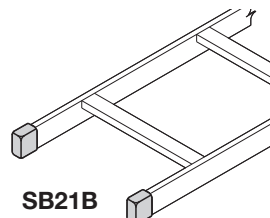
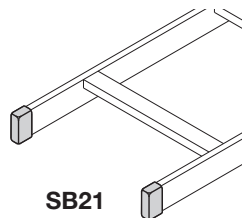


 B is a popular Bee List item

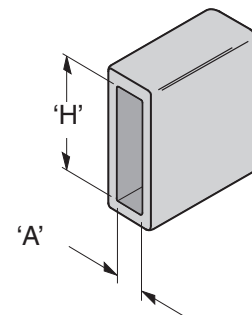
Neoprene End Caps

- Use as a protective covering for stringer ends of cable runway.
- Sold in packages of 10.
- Meets UL 94 Flame Resistance requirement.
- Material: Neoprene
- Color: Black

Note: Sold in bulk pack of 100 (add -100 to part number) Example: SB21A100.
Sold in bulk pack of 2 (add -2 to part number) Example: SB21A2.



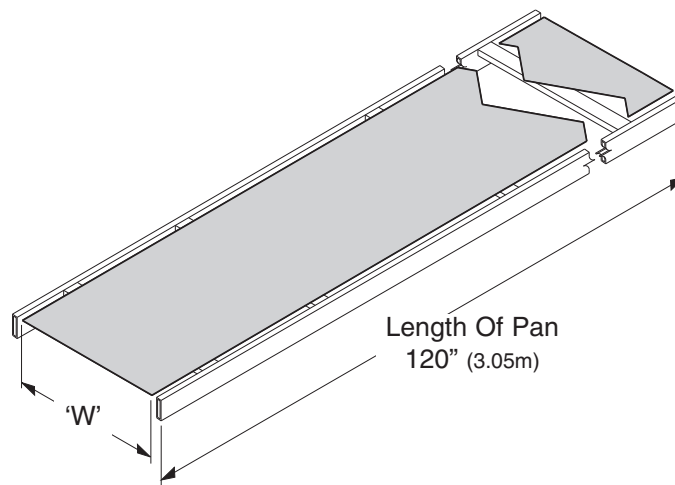
Part Number	'A'		'H'		Weight Per 10		For Use With
	In.	(mm)	In.	(mm)	Lbs.	(kg)	
SB21	9/16"	(14)	2"	(51)	0.8	(0.36)	SB20 or SB22
SB21B	3/8"	(9)	1 1/2"	(38)	0.3	(0.13)	SB15 or SB17



 Popular Bee List item

Cable Runway Pan

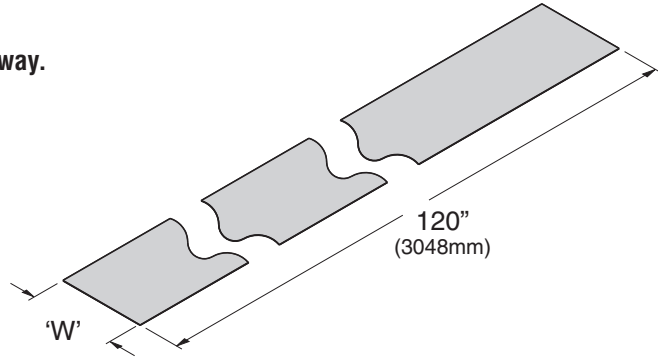
- Use to provide continuous support for cables in runway.
- See SB128 for alternate pan positioning.
- Pans can be trimmed to fit in field.
- Material: 5052-H32 aluminum sheet
- Finish: Brushed Aluminum (AL),
Telco Gray Powder Coat (TG) (one side only),
or Flat Black Powder Coat (FB) (one side only)



Part Number	Runway Width		'W'		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB1906 __	6"	(152)	4 ¹ / ₄ "	(108)	2.0	(0.91)
SB1909 __	9"	(228)	7 ¹ / ₄ "	(184)	3.4	(1.54)
SB1912 __	12"	(305)	10 ¹ / ₄ "	(260)	4.8	(2.18)
SB1915 __	15"	(381)	13 ¹ / ₄ "	(336)	6.2	(2.81)
SB1918 __	18"	(457)	16 ¹ / ₄ "	(413)	7.6	(3.45)
SB1920 __	20"	(508)	18 ¹ / ₄ "	(463)	8.6	(3.90)
SB1924 __	24"	(609)	22 ¹ / ₄ "	(565)	10.5	(4.76)
SB1930 __	30"	(762)	28 ¹ / ₄ "	(717)	13.4	(6.08)
SB1936 __	36"	(914)	34 ¹ / ₄ "	(870)	16.3	(7.39)

Kydex® Runway Pan

- Use to provide continuous support for cables in runway.
- Meets UL 94 V-0
- Material: .04" (1mm) thick Kydex®
- Colors: Gray (G)

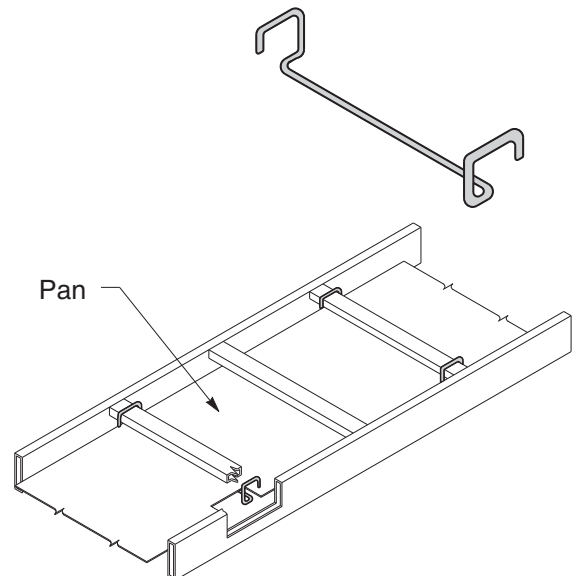


Part Number	Runway Width		'W'		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB1906KG	6"	(152)	4 ¹ / ₄ "	(108)	1.4	(0.63)
SB1909KG	9"	(228)	7 ¹ / ₄ "	(184)	2.1	(0.95)
SB1912KG	12"	(305)	10 ¹ / ₄ "	(260)	2.8	(1.27)
SB1915KG	15"	(381)	13 ¹ / ₄ "	(336)	3.5	(1.59)
SB1918KG	18"	(457)	16 ¹ / ₄ "	(413)	4.2	(1.90)
SB1920KG	20"	(508)	18 ¹ / ₄ "	(463)	4.6	(2.08)
SB1924KG	24"	(609)	22 ¹ / ₄ "	(565)	5.6	(2.54)
SB1936KG	36"	(914)	34 ¹ / ₄ "	(870)	8.4	(3.81)

Pan Support

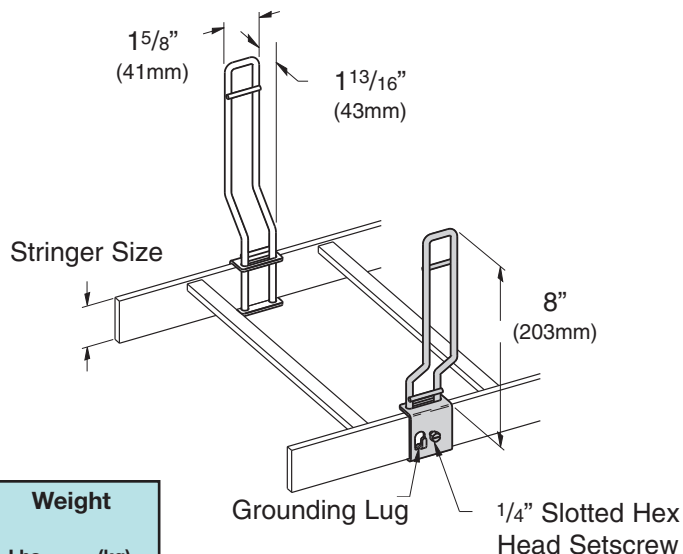
- Use to suspend cable runway pan from rungs of cable runway.
- Seven (7) pan supports recommended for each length, 119¹/₂" (3.05m), of cable runway.
- SB128 Series is designed for use on cable runways with 1/2" x 1" (13mm x 25mm) rungs.
- SB128U Series is designed for use on cable runways with 3/8" x 1 1/2" (9mm x 38mm) rungs.
- Material: cold finished steel wire
- Finish___: Yellow Zinc (YZ), Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB)

Part Number		Runway Width		Weight	
SB128 Series	SB128U Series	In.	(mm)	Lbs.	(kg)
SB1286___	SB128U6___	6"	(152)	0.10	(0.04)
SB1289___	SB128U9___	9"	(228)	0.12	(0.05)
SB12812___	SB128U12___	12"	(305)	0.14	(0.06)
SB12815___	SB128U15___	15"	(381)	0.16	(0.07)
SB12818___	SB128U18___	18"	(457)	0.19	(0.08)
SB12820___	SB128U20___	20"	(508)	0.20	(0.09)
SB12824___	SB128U24___	24"	(609)	0.23	(0.10)
SB12830___	SB128U30___	30"	(762)	0.27	(0.12)
SB12836___	SB128U36___	36"	(914)	0.31	(0.14)



Offset Cable Horn - Stringer Mounted

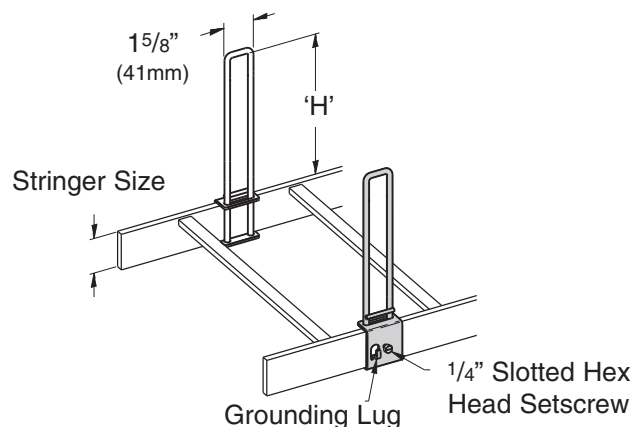
- Designed as a stringer extension to help retain cables in the runway.
- Grounding lugs included on retainer clip for quick and easy grounding.
- Includes: (1) offset cable horn and (1) runway stringer retainer clip.
- Material: cable horn - ASTM A510 steel
retainer clip - ASTM A607 Grade 50
- Finish___: Yellow Zinc (YZ) or
Black Zinc (BZ)



Part Number	Stringer Size		Weight	
	In.	(mm)	Lbs.	(kg)
SB1301 1/2	3/8" x 1 1/2"	(9 x 38)	.61	(0.27)

Straight Cable Horn - Stringer Mounted

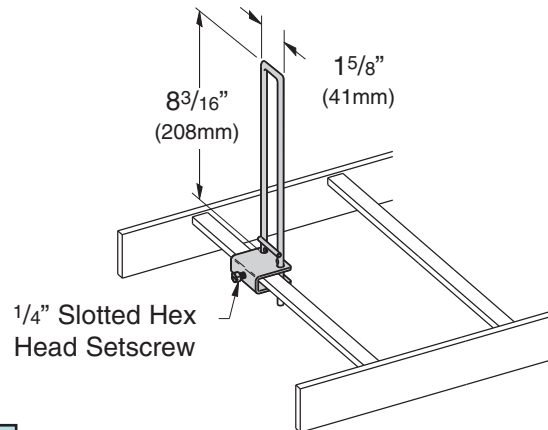
- Designed as a stringer extension to help retain cables in the runway.
- Grounding lugs included on retainer clip for quick and easy grounding.
- Includes: (1) straight cable horn and (1) runway stringer retainer clip.
- Material: cable horn - ASTM A510 steel
retainer clip - ASTM A607 Grade 50
- Finish___: Yellow Zinc (YZ) or
Black Zinc (BZ)



Part Number	Stringer Size		'H'		Weight	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB1318 1/2	3/8" x 1 1/2"	(9 x 38)	8"	(203)	.58	(0.26)
SB13114 1/2	3/8" x 1 1/2"	(9 x 38)	14"	(355)	.72	(0.32)

Cable Horn - Rung Mounted

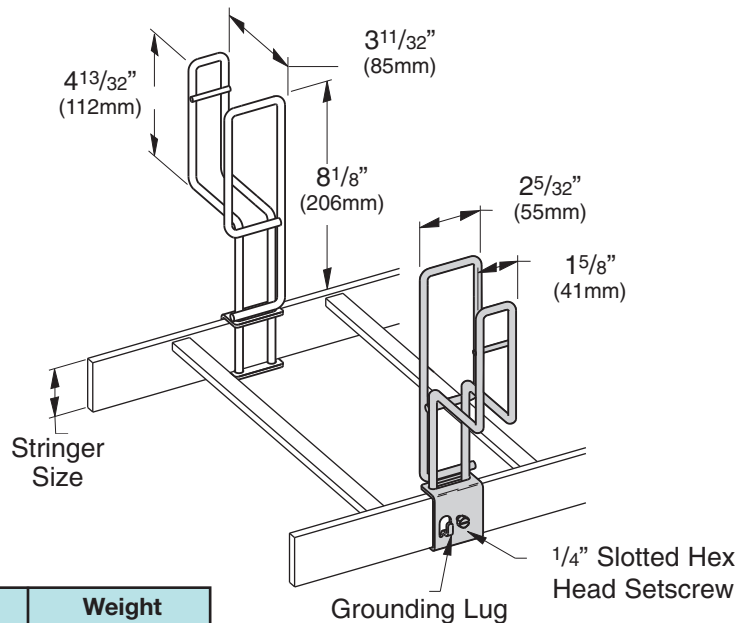
- Designed as a separator between cables in the runway.
- Grounding lugs included on retainer clip for quick and easy grounding.
- For use with SB17 and SB17T Series runway only.
- Includes: (1) straight cable horn and (1) runway rung retainer clip.
- Material: cable horn - ASTM A510
retainer clip - ASTM A607 Grade 50
- Finish___: Yellow Zinc (YZ) or
Black Zinc (BZ)



Part Number	Weight	
	Lbs.	(kg)
SB1328___	.67	(0.30)

Overhead Power Cable Support

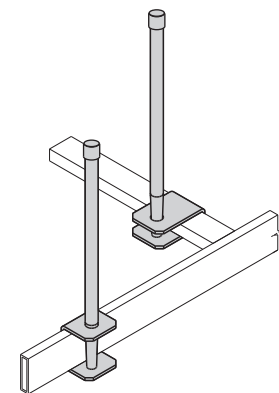
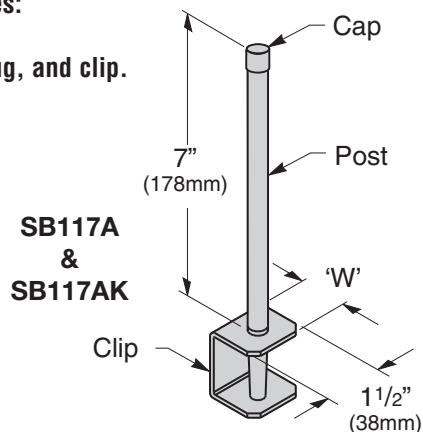
- Designed as a stringer extension to help retain cables in the runway.
- Includes a upper compartment for additional cabling space.
- Grounding lugs included on retainer clip for quick and easy grounding.
- Includes: (1) straight cable horn with bracket and (1) runway stringer retainer clip.
- Material: cable horn - ASTM A510
retainer clip - ASTM A607 Grade 50
- Finish___: Yellow Zinc (YZ) or
Black Zinc (BZ)



Part Number	Stringer Size		Weight	
	In.	(mm)	Lbs.	(kg)
SB1341 1/2___	3/8" x 1 1/2"	(9 x 38)	.77	(0.35)

Cable Retaining Post

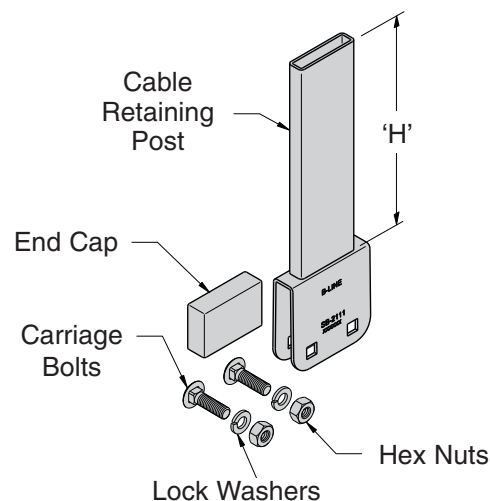
- Use to increase cable capacity fill of runway.
- Self wedging design locks post on runway.
- SB117A, SB117B, and SB117C includes:
(1 each) post, plug, and clip.
- SB117AK includes: (14 each) post, plug, and clip.
- Material: ASTM A569 and A513 steel
- Finish___: Yellow Zinc (YZ),
Black Zinc (BZ) or



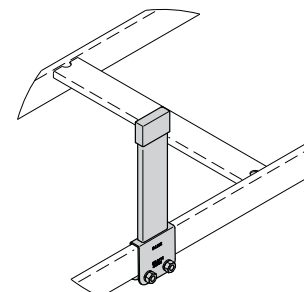
Part Number	'W'		Fits	Qty.	Weight	
	In.	(mm)			Lbs.	(kg)
SB117A	15/16"	(49)	3/8" x 1 1/2" (9mm x 38mm) Runway	1	0.35	(0.15)
SB117AK	15/16"	(49)	3/8" x 1 1/2" (9mm x 38mm) Runway	14	4.90	(2.22)
SB117B	15/16"	(49)	1/2" x 1" (12mm x 25mm) Rung	1	0.35	(0.15)
SB117C	27/16"	(62)	3/8" x 1 1/2" (9mm x 38mm) Rung	1	0.35	(0.15)

Cable Retaining Post

- Use to increase cable capacity fill of runway.
- Mounts directly to cable runway stringers.
- Made from a 1 1/2" x 3/8" (38mm x 9mm) tubular steel post welded to a stringer mounting bracket.
- Kits include: (1) cable retaining post, 1/4" mounting hardware, and neoprene end cap.
- Available in three (3) heights
- Finish___: Yellow Zinc (YZ),
Flat Black (FB) or
Telco Gray Powder Coat (TG)



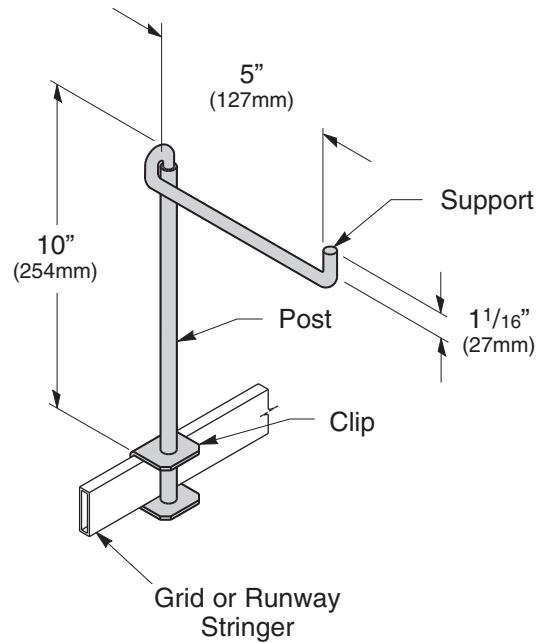
Part Number	'H' Height		Fits	Weight	
	In.	(mm)		Lbs.	(kg)
SB12606	6"	(152)	3/8" x 1 1/2" (9mm x 38mm) Stringer	0.68	(0.31)
SB12608	8"	(203)	3/8" x 1 1/2" (9mm x 38mm) Stringer	0.78	(0.35)
SB12610	10"	(254)	3/8" x 1 1/2" (9mm x 38mm) Stringer	0.90	(0.41)



 FB & YZ are popular Bee List items

Overhead Power Cable Support

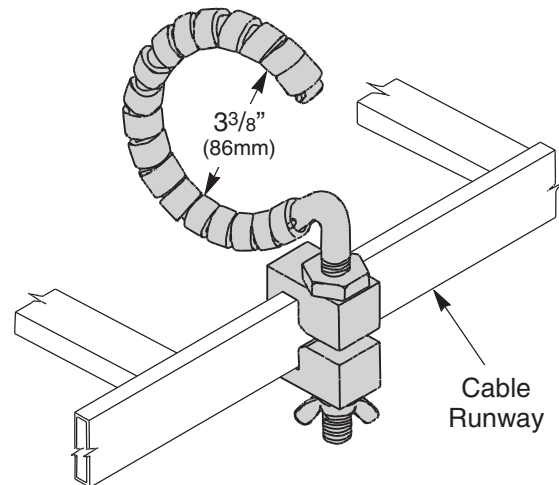
- Use to support power cable above cable runway.
- Self wedging design locks post on runway.
- Includes: (1 each) post, clip, and support wire.
- Material: ASTM A570, A513 and alloy steel wire
- Finish___: Yellow Zinc (YZ) or Black Zinc (BZ)



Part Number	Runway Height		Weight	
	In.	(mm)	Lbs.	(kg)
SB122___	1 1/2"	(38)	0.8	(0.36)

Cable Guide - Roller Type

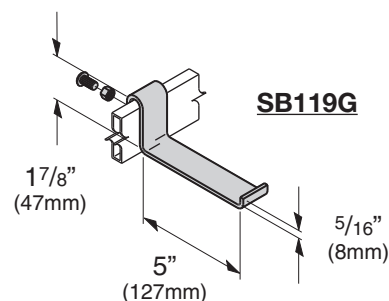
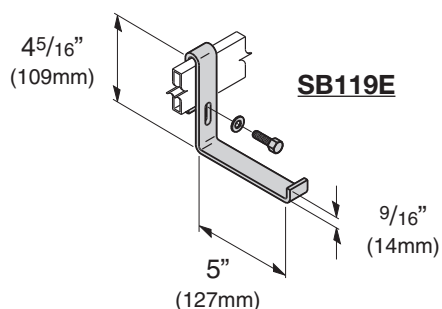
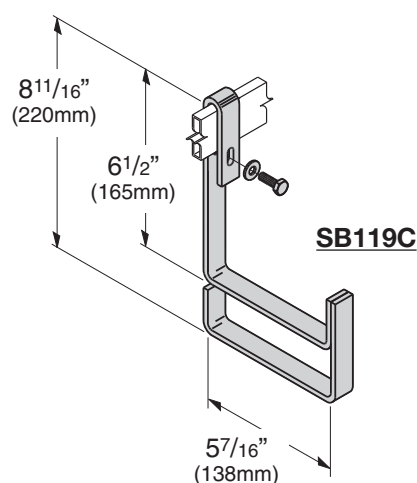
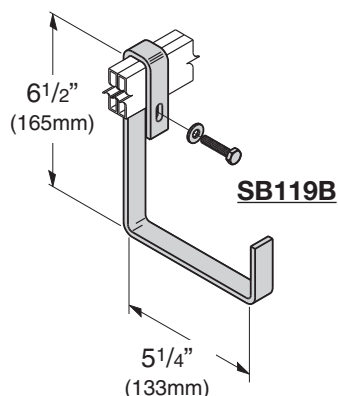
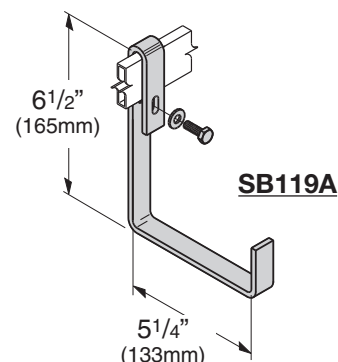
- Designed for use as a guide when pulling cables into place.
- Used with cable runways and cable grids.
- Adjustable for either 3/8" (9mm) x 1 1/2" (38mm) or 2" (51mm) stringers.
- Material: Aluminum clamp and rings with steel nuts.



Part Number	Weight	
	Lbs.	(kg)
SB116	2.0	(0.91)

Power Cable Supports

- Use to support power cable under cable runway.
- Use with 1 1/2" (38mm) or 2" (51mm) stringers.
- Designed for cable runway stringers.
- Attachment hardware included.
- Material: ASTM A36 structural steel
- Finish___: Yellow Zinc (YZ),
Flat Black Powder Coat (FB) or
Telco Gray Powder Coat (TG)

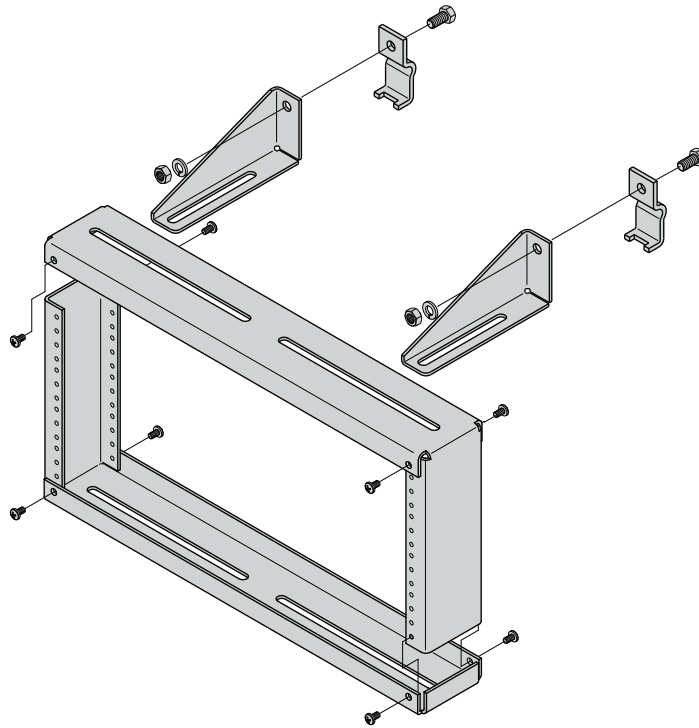


Part Number	Stringer Style	Material Thickness		Weight	
		In.	(mm)	Lbs.	(kg)
 SB119A ___	Single	3/16" x 1 1/4"	(4.7 x 32)	0.69	(0.31)
 SB119B ___	Dual	3/16" x 1 1/4"	(4.7 x 32)	0.71	(0.32)
 SB119C ___	Single	3/16" x 1 1/4"	(4.7 x 32)	1.14	(0.51)
 SB119E ___	Single	3/16" x 1 1/4"	(4.7 x 32)	0.73	(0.33)
 SB119G ___	Single	1/8" x 1"	(3 x 25)	0.34	(0.15)

 FB & YZ are popular Bee List items

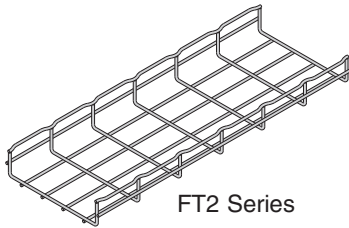
Patch Panel Rack - Runway Stringer Mounted 4RMU Cable Runway

- Use to to mount patch panels off a runway stringer above racks or cabinets to save space.
- Four (4) RMU (7" (178mm)) of 19" mounting space.
- For use on 1 1/2" (38mm) high stringer runway sections.
- Aluminum construction.
- Includes: (30) #12-24 mounting screws and all required installation hardware.
- Finish___: Flat Black Powder Coat (FB) or Telco Gray Powder Coat (TG)
(Other finishes available upon request)

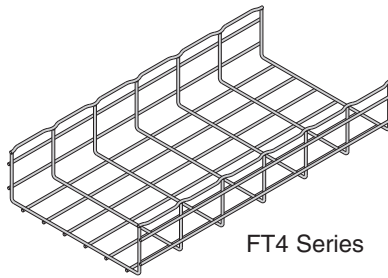


Part Number	Weight	
	Lbs.	(kg)
RSMPP4U___	0.8	(0.36)

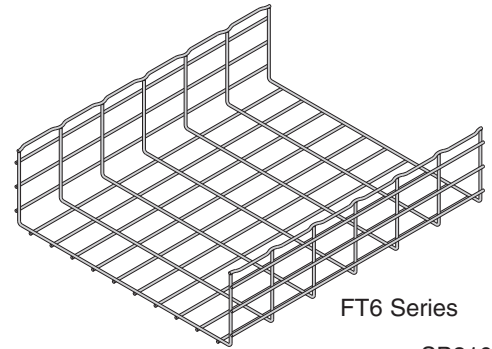
Flextray & Accessories



FT2 Series

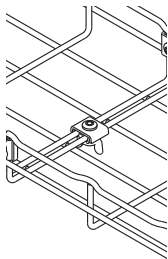


FT4 Series

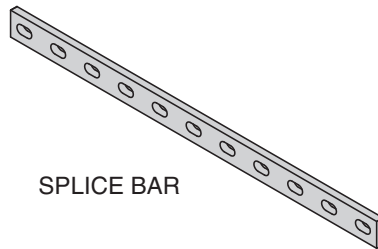


FT6 Series

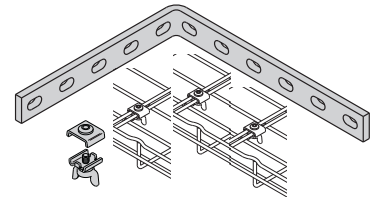
SB2105



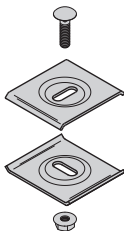
WASHER SPLICE KIT



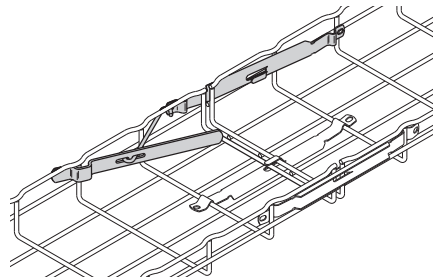
SPLICE BAR



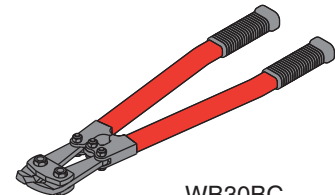
90 DEGREE KIT



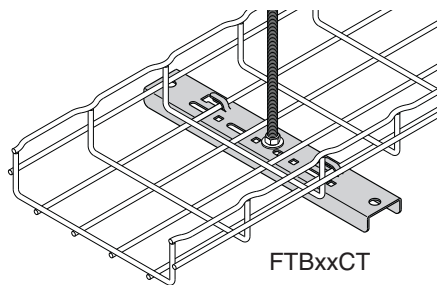
FTSHAK



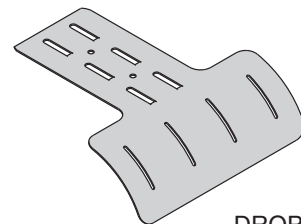
SPRING SPL



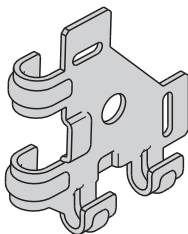
WB30BC



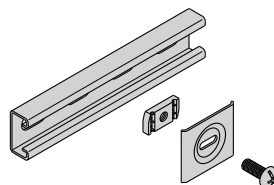
FTBxxCT



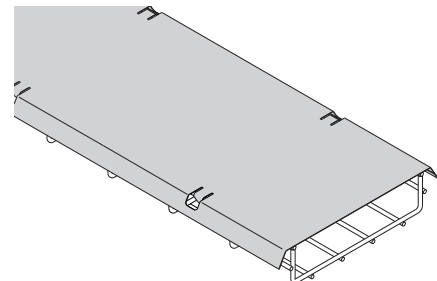
DROP OUT



WB46H



WB48WMK



COVER

Flextray & Accessories

Cooper B-Line is proud to offer a comprehensive wire mesh cable support system! Save time and money managing your cables with Flextray cable tray and the F.A.S.T. System.

FLEXTRAY®

Flextray is a flexible, field-adaptable way to manage cables throughout your project. The tray itself can be cut and bent to the needs of the installer on the jobsite, allowing cable runs to be adjusted as needed. The wide range of sizes offered by Cooper B-Line makes Flextray a great choice for everything from a small cable drop to a large trunk of cables. Our tray has the market-preferred "T" weld safety edge, protecting both the cable and the installer during cable installation. Flextray is also UL Classified as an equipment grounding conductor.



The F.A.S.T. System is Foldable, Adjustable, Stackable, and Tool-less, providing many options to manage cables inside your raised floor space. With only a few parts, you can create everything from a basic single layer installation to a cantilevered, multiple-tier cable run. Make the most of your raised floor space and your time with the F.A.S.T. System!

FLEXTRAY
& ACCESSORIES

<u>Material:</u>	<u>Type</u>	<u>Thickness</u>	<u>Specifications</u>
Standard Materials			
	Steel Wire		ASTM A510
	Steel Strip	10 Gauge (3.4mm) - 14 Gauge (1.9mm)	ASTM A569/A570
Other Available Materials			
	Stainless Steel		AISI Type 304

Finishes: See second page of section

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Finish Information

Flextray Cable Tray and Accessories are available in a wide variety of finishes to meet the environmental or aesthetic requirements of customer installations. Use the list below to find the finish and suffix that will meet your needs.

Available product finishes will be listed on individual pages throughout the catalog.

Finish codes shown in bold type are the standard for that product.

- EG** Electroplated Zinc Galvanized Finish applied after fabrication
(ZN) Recommended applications: Controlled interior
UL/CSA Classified as an equipment ground conductor when spliced as recommended
ASTM B633 - Average thickness of 0.3 mils (8 microns)
- GS** Pre-Galvanized Zinc Finish applied before fabrication
(GLV) Recommended applications: Limited industrial & interior
UL/CSA Classified as an equipment ground conductor when spliced as recommended
ASTM A641
- BLE** Black Powder Coat Finish applied after fabrication
(FB) Recommended applications: Controlled interior
UL/CSA Classified as an equipment ground conductor when coating has been removed at splice contact points
Average paint thickness of 1.2 mils (30 microns) to 3.0 mils (75 microns)
- BLO** Black Oxide Finish
Recommended applications: Controlled interior
ASTM D769
- HD** Hot Dip Galvanized Finish applied after fabrication
(HDG) Recommended applications: Exterior, corrosive
UL/CSA Classified as an equipment ground conductor when spliced as recommended
ASTM A123 - Average thickness of 2.4 mils (60 microns) to 3.2 mils (80 microns)
- 304S** 304L Stainless Steel
(SS4) Recommended applications: Food preparation, wash-down areas
ASTM A580
- 316S** 316L Stainless Steel
(SS6) Recommended applications: Highly corrosive applications & marine environments
ASTM A580
- Custom Powder Coat Finish applied after fabrication
Recommended applications: Controlled interior
UL/CSA Classified as an equipment ground conductor when coating has been removed at splice contact points
No Specification

Grounding Information

Statement for all UL Classified products:



This product is classified by Underwriters Laboratories, Inc. as to its suitability as an equipment grounding conductor only. 556E



Most sizes of FLEXTRAY are UL Classified to serve as an Equipment Ground Conductor. The ground path can be achieved in one of two ways listed on page 165:

Grounding Information (cont.)

1. Use the recommended quantity of UL Classified splices to connect sections and at places where the tray is cut.
2. Run an appropriately sized ground wire alongside the tray and attach it to each tray section and on both sides of a cut in the tray. (This method is recommended by NEMA VE-2 Installation Manual.)

Load & Fill Chart

Flextray Series Part Number	Size height x width	Support Span / Loading Capacity*				Cable Fill (50% fill)**		
		5'-0"	6'-0"	7'-0"	8'-0"	Actual Area Inside Tray (in ²)	Number of CAT 5e Cables***	Number of CAT 6 Cables***
FT1.5X12	1 1/2" x 12"	29	17	14	11	12.2	176	124
FT2X2	2" x 2"	34	28	24	20	4.3	61	43
FT2X4	2" x 4"	52	43	35	27	8.2	118	83
FT2X6	2" x 6"	66	47	35	27	12.1	175	123
FT2X8	2" x 8"	66	47	35	27	16.1	231	163
FT2X12	2" x 12"	68	47	35	27	23.9	345	243
FT2X16	2" x 16"	68	47	35	27	31.8	459	324
FT2X18	2" x 18"	68	47	35	27	35.8	516	364
FT2X20	2" x 20"	68	47	35	27	39.7	573	404
FT2X24	2" x 24"	68	47	35	27	47.5	686	484
FT2X30	2" x 30"	68	47	35	27	59.8	862	608
FT2X32	2" x 32"	77	53	39	30	63.3	914	645
FT4X4	4" x 4"	58	49	42	36	15.8	227	160
FT4X6	4" x 6"	93	77	60	46	23.6	341	240
FT4X8	4" x 8"	94	78	61	47	31.5	454	321
FT4X12	4" x 12"	119	83	61	47	47.5	686	484
FT4X16	4" x 16"	119	83	61	47	63.5	917	647
FT4X18	4" x 18"	119	83	61	47	71.5	1032	728
FT4X20	4" x 20"	119	83	61	47	79.5	1148	810
FT4X24	4" x 24"	128	89	65	50	95.5	1379	973
FT4X30	4" x 30"	128	89	65	50	119.5	1725	1217
FT6X8	6" x 8"	111	77	57	43	47.3	682	481
FT6X12	6" x 12"	124	86	63	48	71.6	1034	729
FT6X16	6" x 16"	128	89	65	50	95.3	1375	970
FT6X18	6" x 18"	128	89	65	50	107.3	1549	1092
FT6X20	6" x 20"	141	98	72	55	118.9	1716	1211
FT6X24	6" x 24"	154	107	78	60	143.3	2068	1459

* Published load chart has not been tested with Flexmate splice. Please consult the factory for load information when using the Flexmate option.

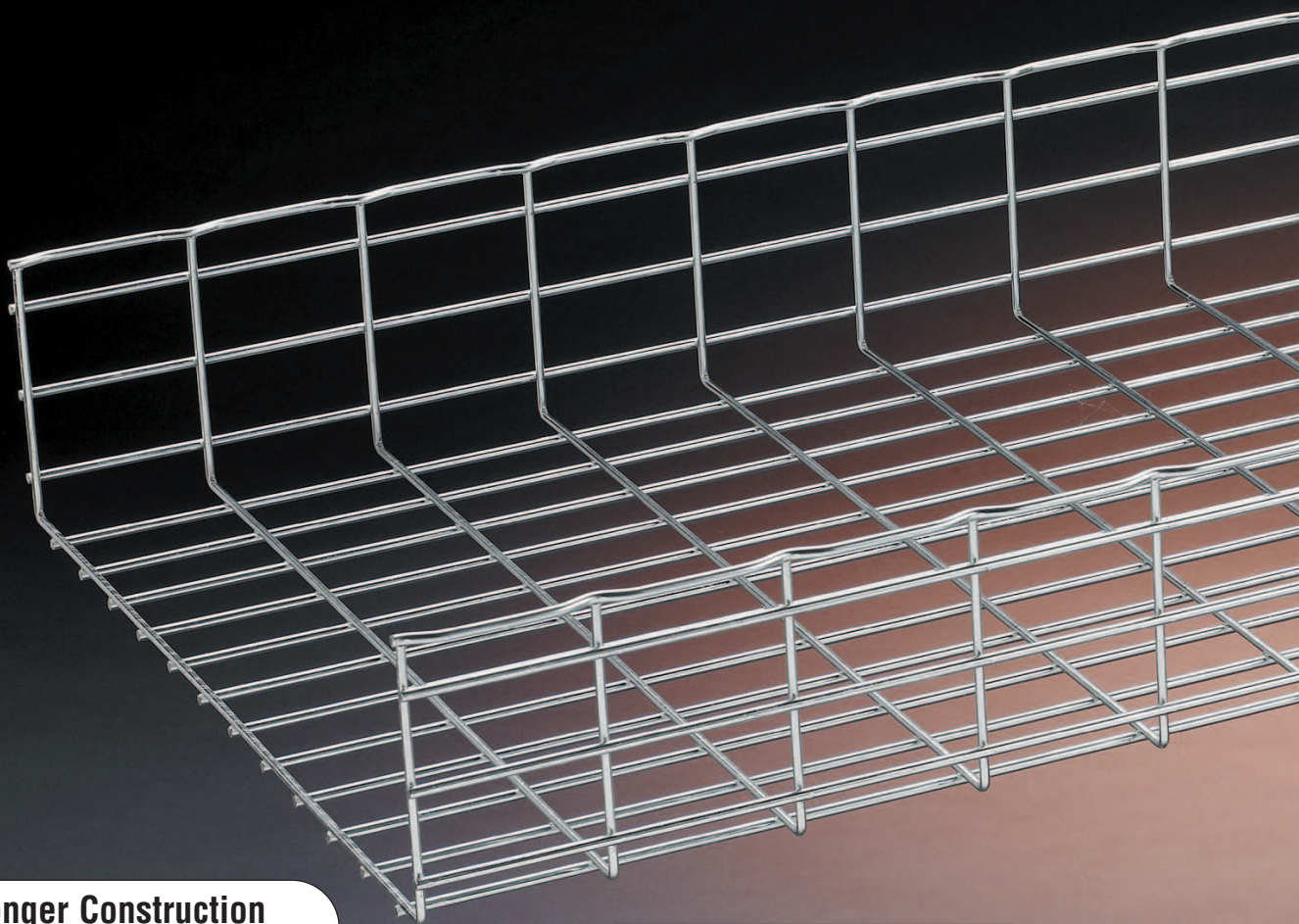
** Flextray fill capacity is based on NEC allowable fill of 50%. The NEC rule requires that the cable cross-sectional areas together may not exceed 50% of the tray area (width x depth = fill). Cables will nearly completely fill the cable tray when reaching the 50% cable fill, due to empty space between the surface of the cables. TIA recommends 40% fill ratio. Flextray loads shown in the loading chart will not be exceeded at 50% fill.

*** CAT 5e 4-pr non-plenum approximated at .21 in. diameter, CAT 6 4-pr non-plenum approximated at .25 in. diameter. Actual diameters vary by cable manufacturer.

FLEXTRAY's design offers you more

Safety Edge

FLEXTRAY offers the "T" weld safety edge, which protects both the cable and the installer while installing cables.



Stronger Construction

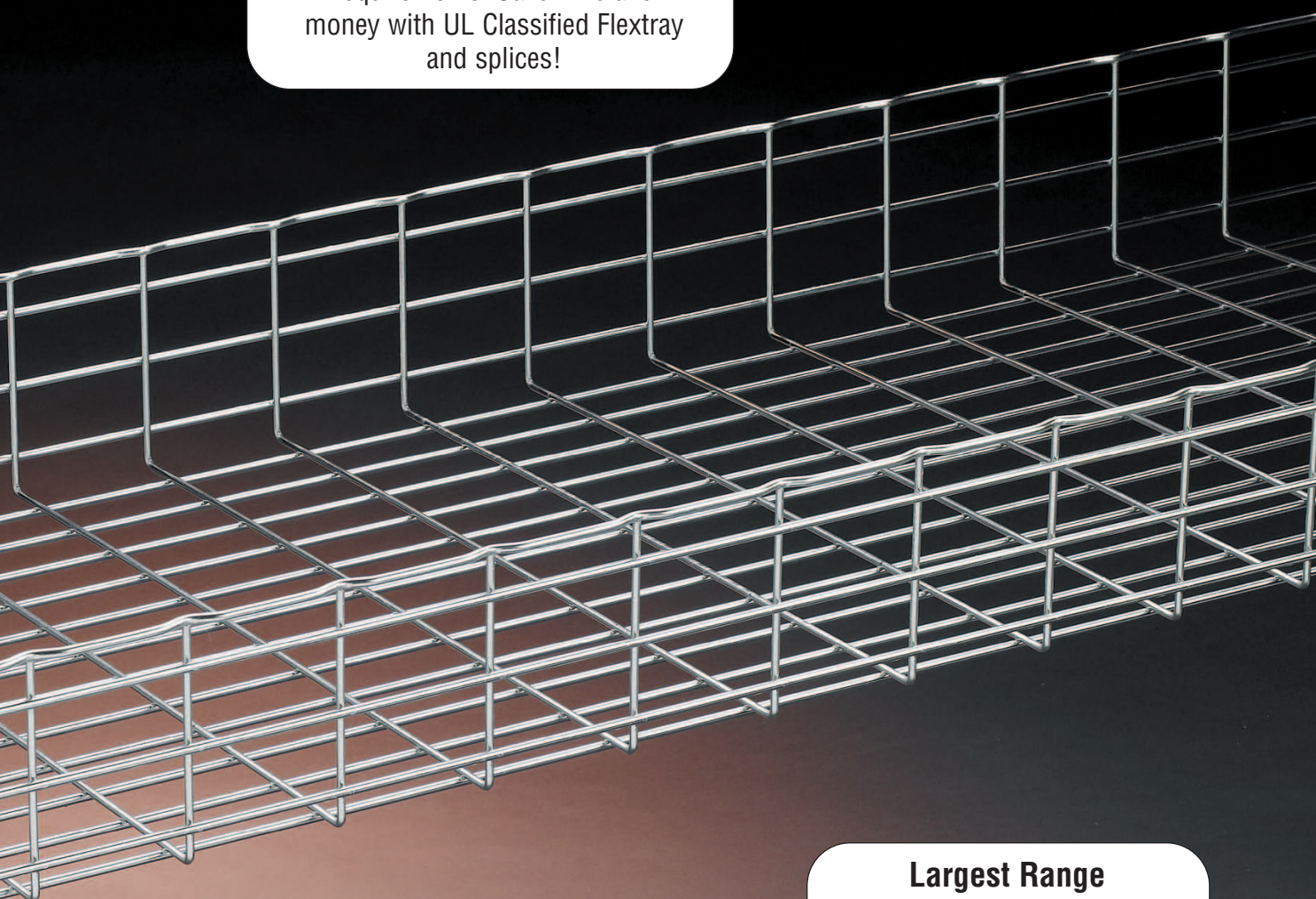
FLEXTRAY utilizes the largest gauge steel in the industry .196" (5mm) diameter minimum. Tray strength is governed by wire size and stronger material means stronger trays.

Clean Smooth Cuts

Only FLEXTRAY delivers the patented Cleanshear® cutting tool providing smooth edges and protecting your cable investment.

Most UL Classified Tray Sizes

FLEXTRAY meets UL grounding requirements. Save time and money with UL Classified Flextray and splices!



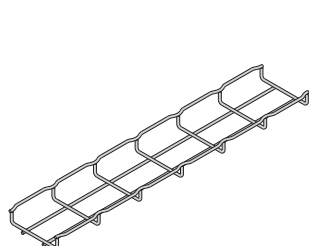
Largest Range Of Sizes Available

FLEXTRAY offers depths of 1½" (38mm) to 6" (152mm) and widths up to 32" (813mm).

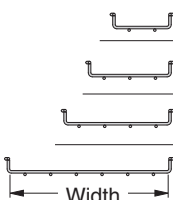
Union Made In The USA

FLEXTRAY is Union made in the U.S.A.

1.5" Deep Flextray



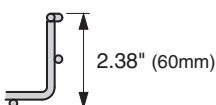
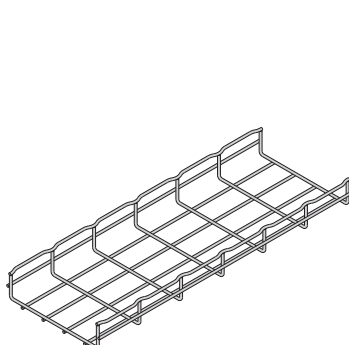
- Height: 1.38" (35mm)
- Length: 118.312" (3meter)
- Wire Dia. Minimum: .196" (5.0mm)
- Finish: Zinc Plated or Black Powder Coat (BLE)



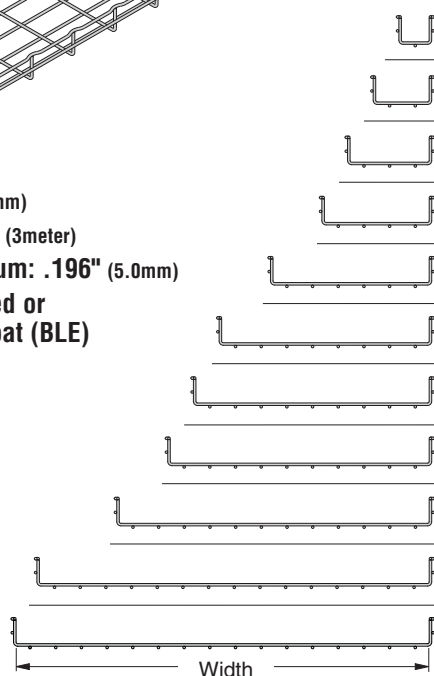
Part Number	Width		Wt. Per Pc.	
	in.	mm	lbs.	kg
FT1.5X4X10	4"	100	5.8	2.63
FT1.5X6X10	6"	150	7.4	3.35
FT1.5X8X10	8"	200	9.0	4.08
FT1.5X12X10	12"	300	12.1	5.49

Only FT1.5X12 (12" wide) is UL Classified

2" Deep Flextray



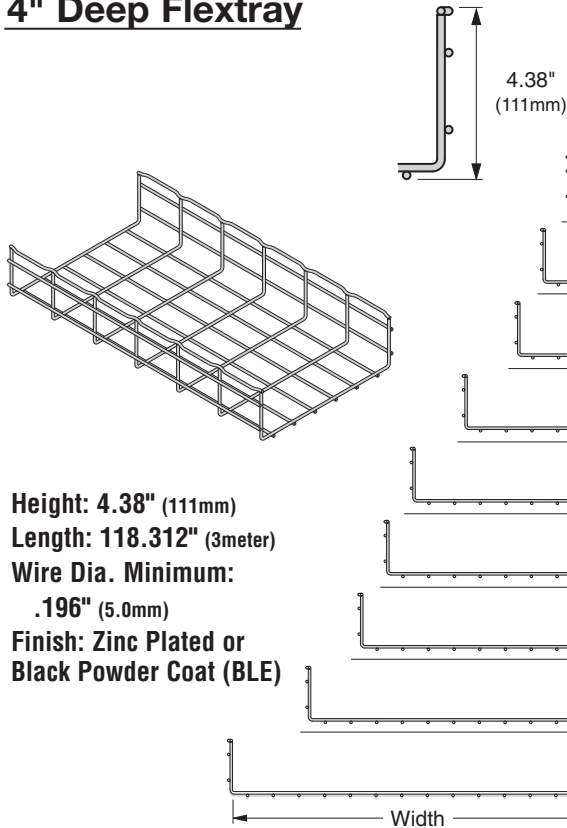
- Height: 2.38" (60mm)
- Length: 118.312" (3meter)
- Wire Dia. Minimum: .196" (5.0mm)
- Finish: Zinc Plated or Black Powder Coat (BLE)



Part Number	Width		Wt. Per Pc.	
	in.	mm	lbs.	kg
FT2X2X10	2"	50	6.6	2.99
FT2X4X10	4"	100	8.2	3.72
FT2X6X10	6"	150	9.7	4.40
FT2X8X10	8"	200	11.2	5.08
FT2X12X10	12"	300	14.3	6.48
FT2X16X10	16"	400	17.4	7.89
FT2X18X10	18"	450	18.9	8.57
FT2X20X10	20"	500	20.4	9.25
FT2X24X10	24"	600	23.5	10.66
FT2X30X10	30"	750	28.1	12.74
FT2X32X10	32"	800	29.7	13.47

FT2X6 (6" wide) through FT2X32 (32" wide) are UL Classified

4" Deep Flextray

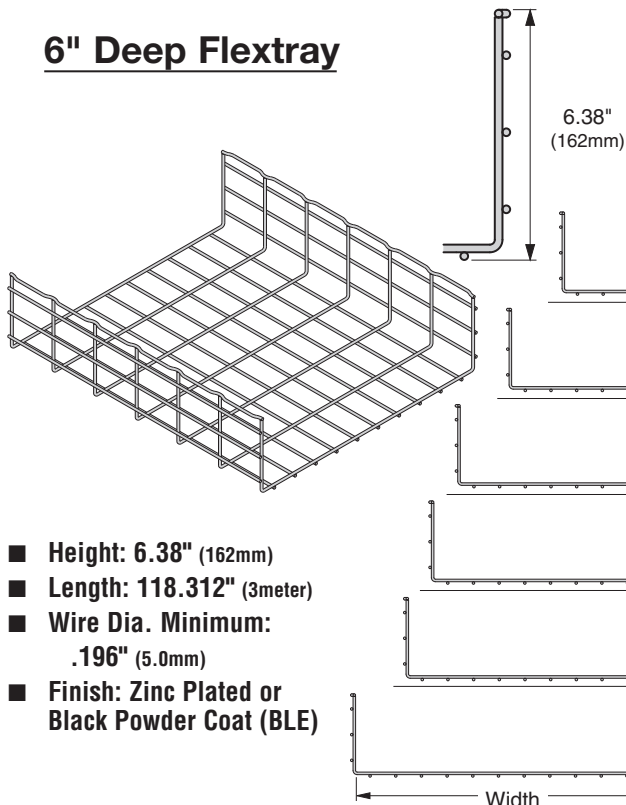


- Height: 4.38" (111mm)
- Length: 118.312" (3meter)
- Wire Dia. Minimum: .196" (5.0mm)
- Finish: Zinc Plated or Black Powder Coat (BLE)

Part Number	Width		Wt. Per Pc.	
	in.	mm	lbs.	kg
FT4X4X10	4"	100	11.25	5.10
FT4X6X10	6"	150	12.79	5.80
FT4X8X10	8"	200	14.32	6.49
FT4X12X10	12"	300	17.39	7.89
FT4X16X10	16"	400	20.45	9.27
FT4X18X10	18"	450	21.99	9.97
FT4X20X10	20"	500	23.52	10.67
FT4X24X10	24"	600	26.59	12.06
FT4X30X10	30"	750	31.19	14.15

All 4" deep Flextrays are UL Classified

6" Deep Flextray

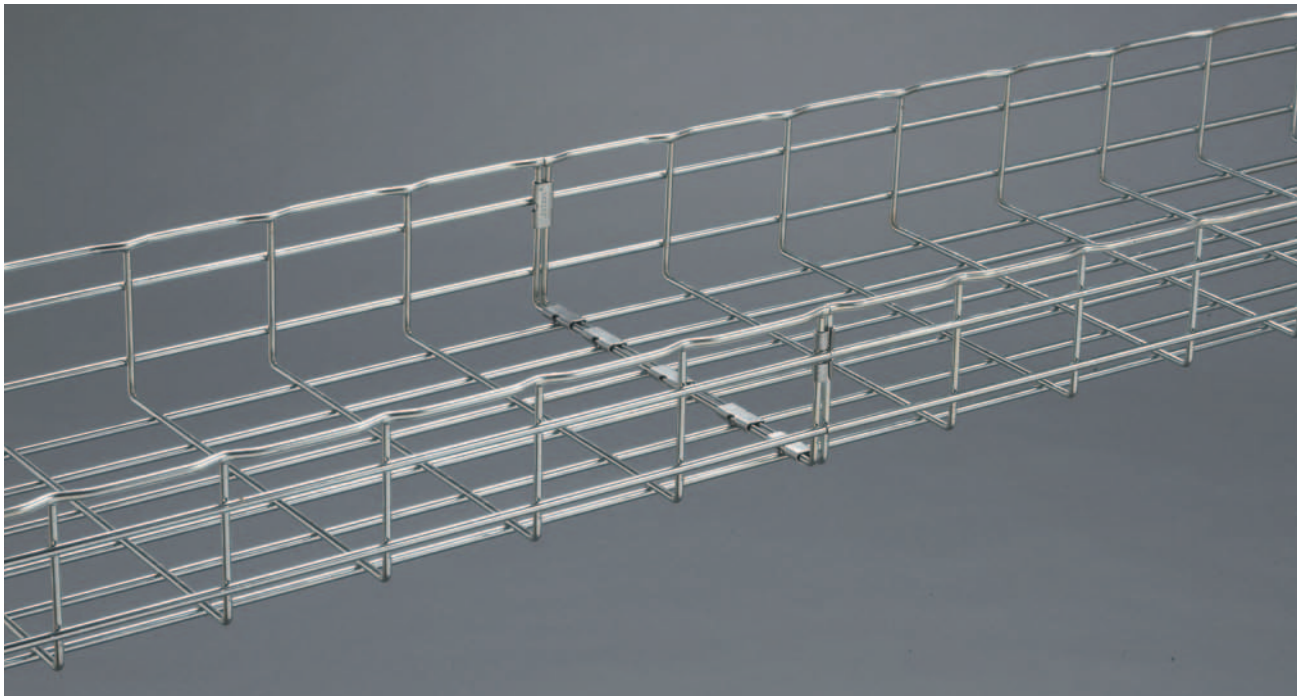


- Height: 6.38" (162mm)
- Length: 118.312" (3meter)
- Wire Dia. Minimum: .196" (5.0mm)
- Finish: Zinc Plated or Black Powder Coat (BLE)

Part Number	Width		Wt. Per Pc.	
	in.	mm	lbs.	kg
FT6X8X10	8"	200	17.39	7.89
FT6X12X10	12"	300	20.45	9.27
FT6X16X10	16"	400	23.52	10.67
FT6X18X10	18"	450	25.06	11.37
FT6X20X10	20"	500	26.59	12.06
FT6X24X10	24"	600	29.66	13.45

All 6" deep Flextrays are UL Classified

See page 164 for finish information



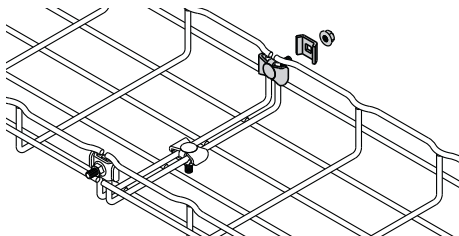
Washer Splice Kit

- Washer is staked to bolt, holding part stationary during installation
- Fewer parts to handle
- For use with all tray widths and sizes
- Finishes __: EG, BLE

BLE suffix indicates black zinc finish for this part only



Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
WASHER SPL KIT__	Assembly of Staked Washer Stud/Washer & Finned Nut	50	4.5	2.04



Splicing Chart (number of splices required for UL Classification)

Tray Height	Tray Width - number of splices								
	2" (50mm)	4" (100mm)	6" (150mm)	8" (200mm)	12" (300mm)	16" (400mm)	18" (450mm)	20" (500mm)	24" (600mm)
2"	NC	NC	4	4	4	4	4	5	5
4"	NM	4	5	6	6	7	7	7	8
6"	NM	NM	NM	6	6	7	7	7	8

NC = Not UL Classified in this size NM = Flextray is not manufactured in this size

Splice Hardware Components

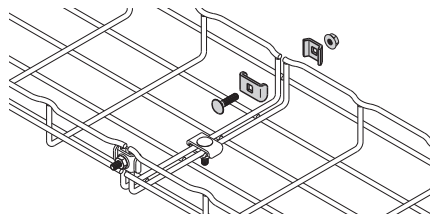
- Works with all splicing needs
- For use with all tray widths and sizes
- Components are sold separately
- Finishes __: EG, BLE-BLO, 304S, 316S

FTHDWE 1/4 not available in **BLE**.

TOP WASHER & BTM WASHER
not available in **BLO**.



Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
FTHDWE 1/4__	1/4" x 1" Carriage Bolt & Finned nut	50	1.2	0.54
TOP WASHER__	1" Square Splice Washer	50	1.4	0.63
BTM WASHER__	1 3/16" Square Splice Washer	50	2.0	0.91



BTM WASHER



FTHDWE1/4



TOP WASHER

Splicing Chart (number of splices required for UL Classification)

Tray Height	Tray Width - number of splices								
	2" (50mm)	4" (100mm)	6" (150mm)	8" (200mm)	12" (300mm)	16" (400mm)	18" (450mm)	20" (500mm)	24" (600mm)
2"	NC	NC	4	4	4	4	4	5	5
4"	NM	4	5	6	6	7	7	7	8
6"	NM	NM	NM	6	6	7	7	7	8

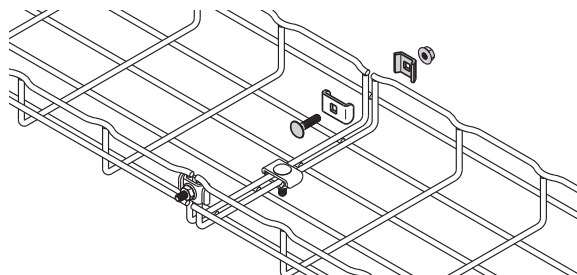
NC = Not UL Classified in this size NM = Flextray is not manufactured in this size

See page 164 for finish and grounding information

Connecting Hardware

- Adaptable and designed for use with splice plate (FTS3SP), SPLICE BAR, and long splice bar (FTS36SB).
- Finishes __: EG, BLE-BLO, 304S, 316S

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
FTSCH__	Connecting Hardware	50	2.0	0.91



Splicing Chart (number of splices required for UL Classification)

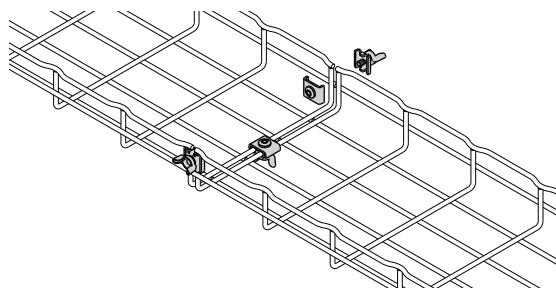
Tray Height	Tray Width - number of splices								
	2" (50mm)	4" (100mm)	6" (150mm)	8" (200mm)	12" (300mm)	16" (400mm)	18" (450mm)	20" (500mm)	24" (600mm)
2"	NC	NC	4	4	4	4	4	5	5
4"	NM	4	5	6	6	7	7	7	8
6"	NM	NM	NM	6	6	7	7	7	8

NC = Not UL Classified in this size NM = Flextray is not manufactured in this size

Wing Splice™

- Two piece design for easy handling
- Tool-less installation
- Reduces installation time, especially when used on fittings and bends
- Finish__: ZN

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
FTSWN__	Wing Splice	50	3.0	1.38



Splicing Chart (number of splices required for UL Classification)

Tray Height	Tray Width - number of splices								
	2" (50mm)	4" (100mm)	6" (150mm)	8" (200mm)	12" (300mm)	16" (400mm)	18" (450mm)	20" (500mm)	24" (600mm)
2"	NC	NC	4	4	4	4	4	5	5
4"	NM	4	5	6	6	7	7	7	8
6"	NM	NM	NM	6	6	7	7	7	8

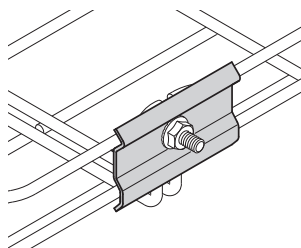
NC = Not UL Classified in this size NM = Flextray is not manufactured in this size

See page 164 for finish and grounding information

Splice Plate (only)

Part Number	Description	Length	Height	Hole Diameter	Qty./Box	Wt./Box	
						lbs.	kg
FTS3SP__	Splice Plate	2.7"	1.6"	0.27"	50	6.1	2.76

- Splice plate is designed for use with connecting hardware (FTSCH) to provide added stability of splice connections
- Hardware sold separately
- Finish__: ZN, SS6



Flexmate™ Splice System

- Fastest splice connection method available in the industry
- For use with 4" (100mm) to 12" (300mm) wide tray
- Flexmate clips and tool sold separately
- Finishes __: GS, BLE

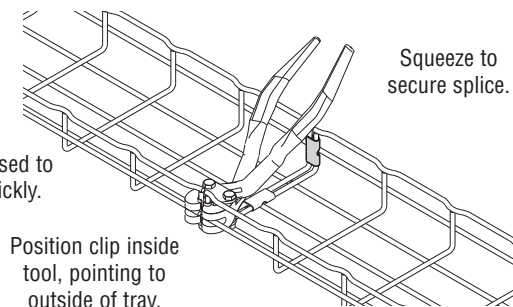
Note: Please contact Cooper B-Line when using Flexmates on tray widths larger than 12" (300mm) for specific requirements. Cooper B-Line recommends that splice/supports comply with NEMA VE-2 installation requirements

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
FLEXMATE2__	Flexmate Splice Clips	50	1.0	0.45
FLEXMATE TOOL	Flexmate Splice Tool	1	0.7	0.32



FLEXMATE TOOL

Flexmate Tool is used to install splices quickly.



Splicing Chart (number of splices required for UL Classification)

Tray Height	Tray Width - number of splices				
	2" (50mm)	4" (100mm)	6" (150mm)	8" (200mm)	12" (300mm)
2"	NC	NC	5	5	5
4"	NM	4	6	7	7
6"	NM	NM	NM	7	7

NC = Not UL Classified in this size

NM = Flextray is not manufactured in this size

See page 164 for finish and grounding information

Tab-Loc Connector

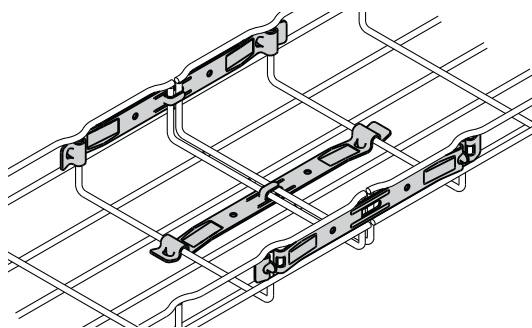
Part Number	Description	Length	Qty./Box	Wt./Box	
				lbs.	kg
FTSTLC__	Tab-Loc Connectors	9.29"	50	7.2	3.26



- Fast splice for straight runs of tray
- For use with 2" (50mm) to 32" (800mm) wide tray to connect straight sections only
- Finishes __: ZN, SS6

Application Requirements

The recommendations listed are equal for all depths (except as noted).

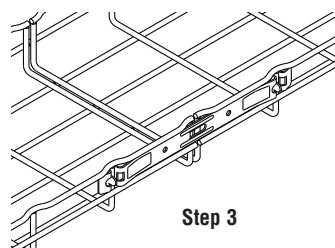
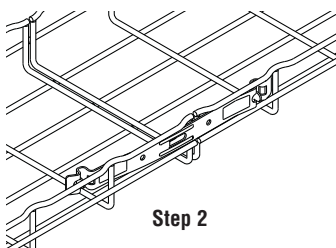
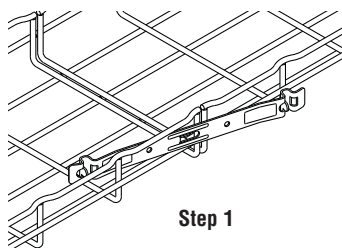


Splicing Chart (number of splices required for UL Classification)

Tray Height	Tray Width - number of splices								
	2" (50mm)	4" (100mm)	6" (150mm)	8" (200mm)	12" (300mm)	16" (400mm)	18" (450mm)	20" (500mm)	24" (600mm)
2"	NC	NC	4	4	4	4	4	5	5
4"	NM	4	5	6	6	7	7	7	8
6"	NM	NM	NM	6	6	7	7	7	8

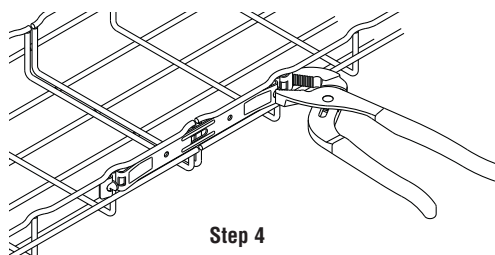
NC = Not UL Classified in this size NM = Flextray is not manufactured in this size

Installation



Tab-Loc security without special tools.

Screwdriver can also be used to bend tab-locs (hold connector ends while bending).

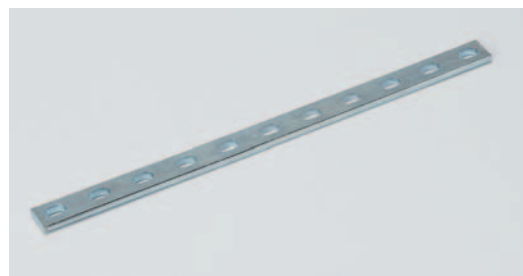
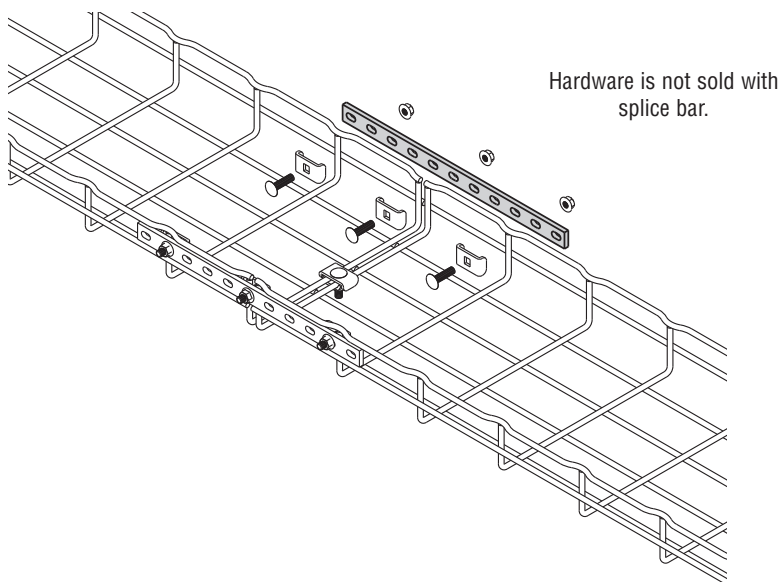


See page 164 for finish and grounding information

Splice Bar

- Adds rigidity to washer splice methods
- Used on side rails only (not for use in tray bottom)
- For use on trays when using splice hardware FTSCH
- Hardware sold separately
- Finishes __: EG, BLE, HD, 316S

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
SPLICE BAR	10 ¹³ / ₁₆ " Long Bar	50	14.0	6.35



Each splice bar requires three (3) each of Hardware Splice Components - TOP WASHER, and FTHDWE 1/4 to complete connection. These items must be ordered separately.

Washer Splice Kits (WASHER SPL KIT) are required for connections on bottom of tray.

Splicing Chart (number of splices required for UL Classification)

Tray Height	Tray Width - number of splices								
	2" (50mm)	4" (100mm)	6" (150mm)	8" (200mm)	12" (300mm)	16" (400mm)	18" (450mm)	20" (500mm)	24" (600mm)
2"	NC	NC	2	2	2	2	2	2	2
4"	NM	4	4	4	4	4	4	4	4
6"	NM	NM	NM	4	4	4	4	4	4

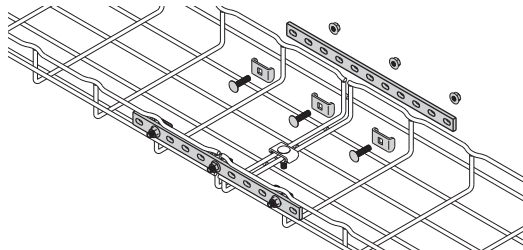
NC = Not UL Classified in this size NM = Flextray is not manufactured in this size

See page 164 for finish and grounding information

Splice Bar Kit

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
FTSBK__	12" Long Splice Bar Kit	5 Sets	6.4	2.90

- Adds rigidity
- Includes two (2) SPLICE BAR and hardware
- Finishes __: ZN, FB, SS6



Splicing Chart (number of splices required for UL Classification)

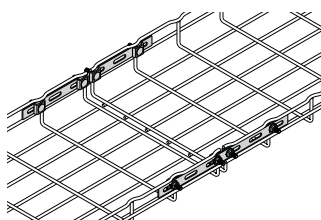
Tray Height	Tray Width - number of splices								
	2" (50mm)	4" (100mm)	6" (150mm)	8" (200mm)	12" (300mm)	16" (400mm)	18" (450mm)	20" (500mm)	24" (600mm)
2"	NC	NC	2	2	2	2	2	2	2
4"	NM	4	4	4	4	4	4	4	4
6"	NM	NM	NM	4	4	4	4	4	4

NC = Not UL Classified in this size NM = Flextray is not manufactured in this size

Expansion Splice Kit

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
FTS12ESK__	12" Long Expansion Splice Kit	1 Kit	0.45	0.20

- Allows 1³/₄" (44mm) of expansion between two pieces of Flextray at expansion joints.
- To install, tighten nylon loc-nut until nut comes into contact with splice bar, then loosen approximately 1/4 turn.
- Includes two (2) splice bars and eight (8) sets of hardware
- Finishes __: ZN



Long Splice Bar (only)

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
FTS12SB__	12" Long - 6 Slots	1	0.13	0.06
FTS36SB__	36" Long - 18 Slots	1	0.40	0.18

- FTS36SB long splice bar is used for assembly of large radius horizontal bends or field cut into short splice bars
- Splice Bars are designed for use with connecting hardware (FTSCH)
- Hardware sold separately
- Finishes __: ZN, FB, SS6



FTS12SB



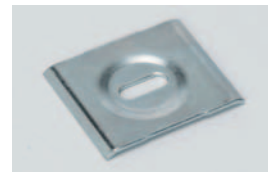
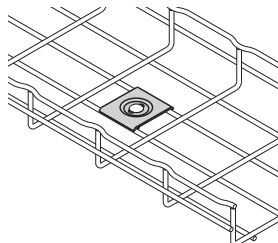
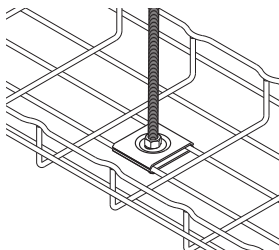
FTS36SB

See page 164 for finish and grounding information

Hold Down Plate

- Easy way to mount 4" (100mm) wide tray for raceway run.
- Use 1/4" screws to attach SUPT WASHER to your specific wall/stud application (hardware sold separately).
- FTA6HD can be used in pairs to create a center-hung support using 3/8" rod.
- To protect cables use threaded rod protector (page 183).
- To complete 3/8" center hanger assembly use:
2 - FTA6HD
2 - HN 3/8"-16 hex nuts
- Finish: ZN, SS6

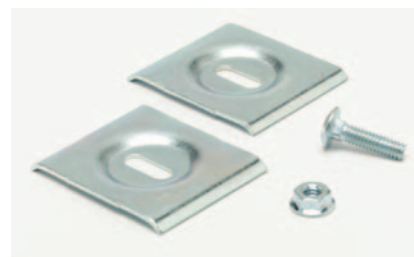
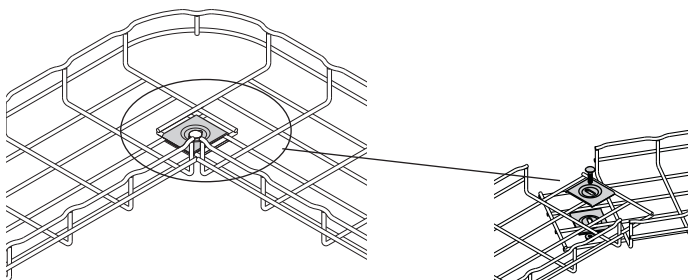
Part Number	Slot Size	Qty./Box	Wt./Box	
			lbs.	kg
SUPT WASHER__	.28" x .70"	50	4.7	2.13
FTA6HD__	.40" x .70"	50	3.5	1.59



Horizontal Adjustable Kit

- Horizontal adjustable kit can be used to create horizontal angles from prepared Flextray straight sections
- Conveniently poly-bagged
- Finishes __: EG, BLE, 316S

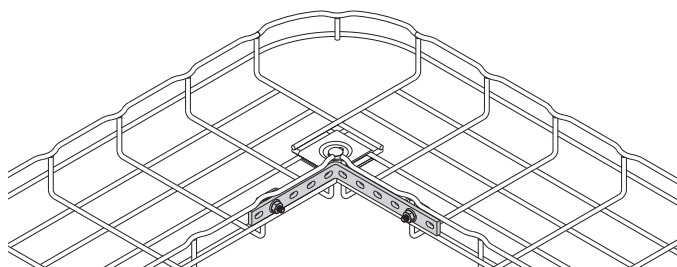
Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
FTSHAK__	Horizontal Adjustable Kit	10	2.4	1.09



90 Degree Kit

- For fast assembly of 90° turns and tee fittings
- For use with all tray widths and sizes
- One kit will make two 90° turns or one tee fitting
- 90 DEGREE KIT: includes: two (2) 90° splice bars and eight (8) FTSCB
- Finishes __: EG, BLE, 316S

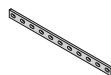
Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
90 DEGREE KIT__	90 degree splice bar & hardware	1	1.3	0.59



See page 164 for finish and grounding information

Components Required to Connect Two Sections of Flextray

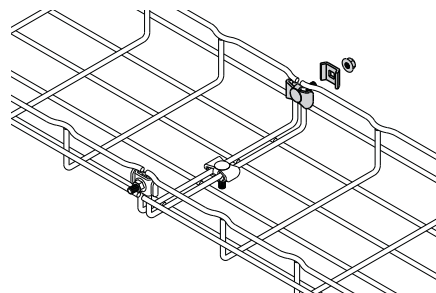
System Part Number	System Width in. mm	Connector Assembly WASHER SPL KIT	Connecting Hardware FTSCH	Splice Plate FTS3SP	Splice Bar SPLICE BAR
--------------------	------------------------	--------------------------------------	------------------------------	------------------------	--------------------------



(*) 4 for 4" Deep Flextray
6 for 6" Deep Flextray

FT2X2	2"	50	2	-	-	-
FT2X4	4"	100	2	-	-	-
FT2X6	6"	150	4 ¹	-	-	-
FT2X8	8"	200	4 ¹	-	-	-
FT2X12	12"	300	4 ¹	-	-	-
FT2X16	16"	400	4 ¹	-	-	-
FT2X18	18"	450	4 ¹	-	-	-
FT2X20	20"	500	5 ¹	-	-	-
FT2X24	24"	600	5 ¹	-	-	-
FT2X30	30"	750	7 ¹	-	-	-
FT2X32	32"	800	7 ¹	-	-	-
FT4X4	4"	100	4 ¹	-	-	-
FT4X6	6"	150	5 ¹	-	-	-
FT4X8	8"	200	6 ²	-	-	-
FT(*)X12	12"	300	6 ²	-	-	-
FT(*)X16	16"	400	7 ²	-	-	-
FT(*)X18	18"	450	7 ²	-	-	-
FT(*)X20	20"	500	7 ²	-	-	-
FT(*)X24	24"	600	7 ²	-	-	-
FT(*)X30	30"	750	8 ²	-	-	-

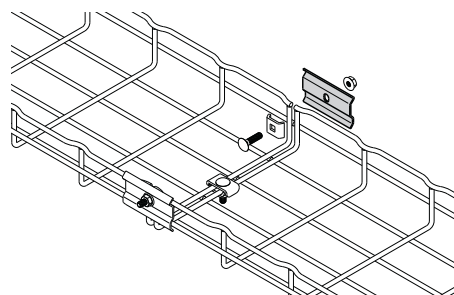
Washer Splice Kits



- 1 Install one kit on each side and remaining kit(s) on bottom.
- 2 Install two kits on each side and remaining kits on bottom.

FT2X2	2"	50	-	2	2	-
FT2X4	4"	100	-	2	2	-
FT2X6	6"	150	1	2	2	-
FT2X8	8"	200	1	2	2	-
FT2X12	12"	300	2	2	2	-
FT2X16	16"	400	2	2	2	-
FT2X18	18"	450	2	2	2	-
FT2X20	20"	500	2	2	2	-
FT2X24	24"	600	2	2	2	-
FT2X30	30"	750	4	2	2	-
FT2X32	32"	800	4	2	2	-
FT4X4	4"	100	1	2	2	-
FT4X6	6"	150	2	2	2	-
FT4X8	8"	200	2	2	2	-
FT(*)X12	12"	300	3	2	2	-
FT(*)X16	16"	400	4	2	2	-
FT(*)X18	18"	450	4	2	2	-
FT(*)X20	20"	500	4	2	2	-
FT(*)X24	24"	600	4	2	2	-
FT(*)X30	30"	750	5	2	2	-

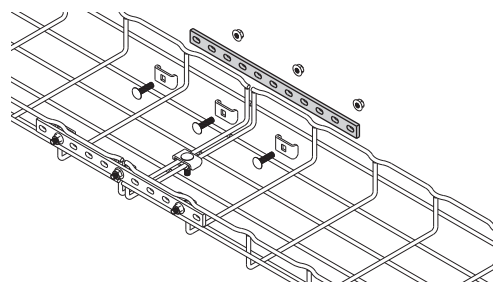
Splice Plates



Install splice plates on sides and
WASHER SPL KIT on bottom.

FT2X2	2"	50	-	2	-	2
FT2X4	4"	100	-	2	-	2
FT2X6	6"	150	1	2	-	2
FT2X8	8"	200	1	2	-	2
FT2X12	12"	300	2	2	-	2
FT2X16	16"	400	2	2	-	2
FT2X18	18"	450	2	2	-	2
FT2X20	21"	500	2	2	-	2
FT2X24	24"	600	2	2	-	2
FT2X30	30"	750	3	6	-	2
FT2X32	32"	800	3	6	-	2
FT4X4	4"	100	1	2	-	2
FT4X6	6"	150	2	2	-	2
FT4X8	8"	200	2	6	-	2
FT(*)X12	12"	300	2	6	-	2
FT(*)X16	16"	400	3	6	-	2
FT(*)X18	18"	450	3	6	-	2
FT(*)X20	20"	500	3	6	-	2
FT(*)X24	24"	600	3	6	-	2
FT(*)X30	30"	750	4	6	-	2

Splice Bars

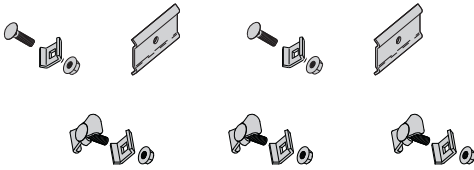
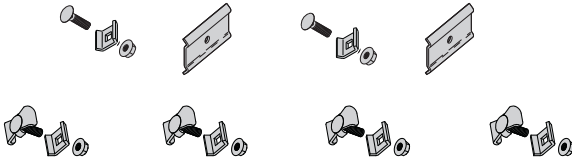


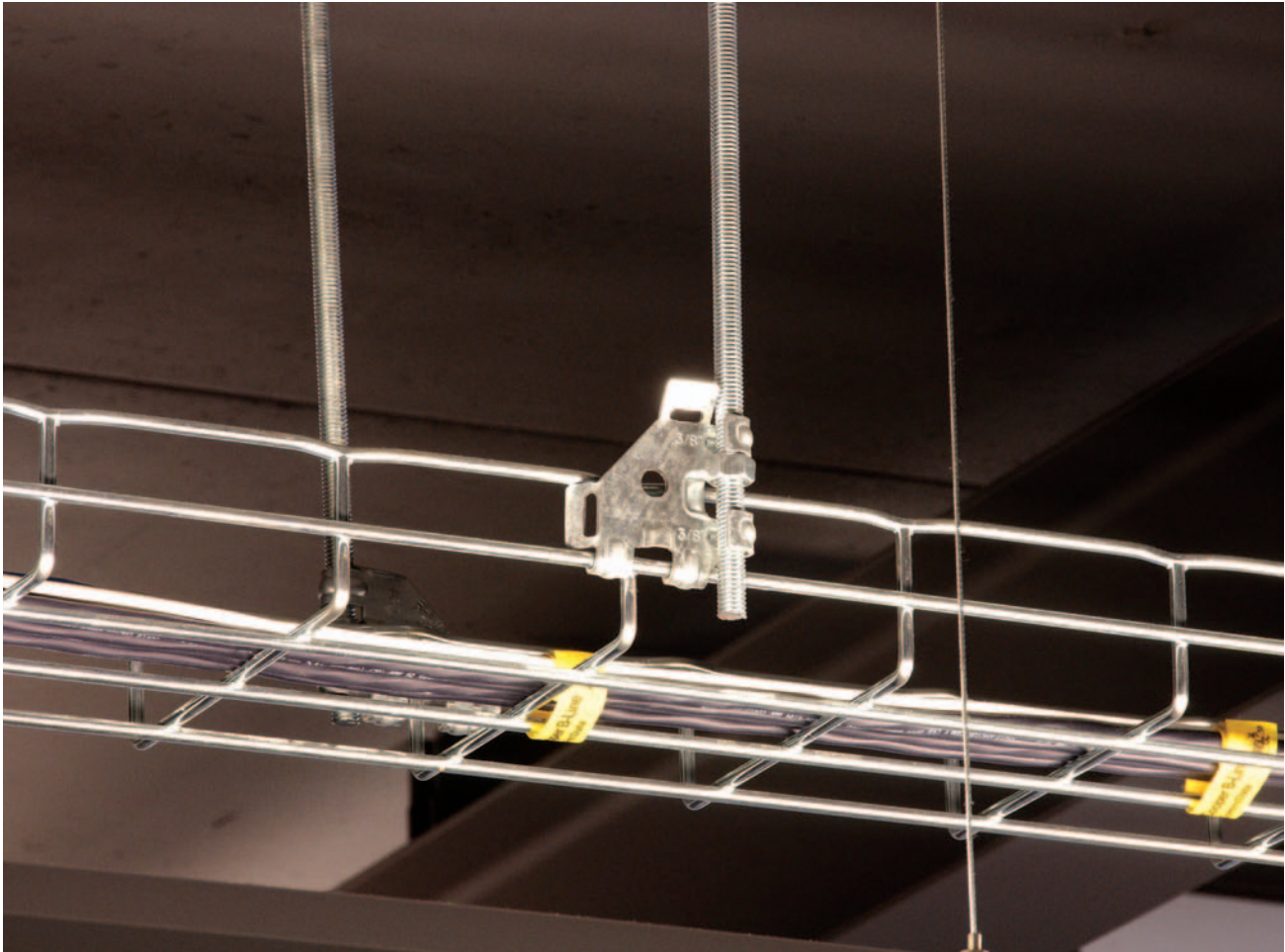
Install splice bars on sides and
WASHER SPL KIT on bottom.

Splice Plate Kits for 2" Deep Flextray

Part Number	System Width		Weight Per 100		Box Quantity	Conveniently poly-bagged for use with 2" Deep Flextray
	in.	mm	lbs.	kg		
FTS20SK	2"	50	2.91	1.32	10	
	4"	100				
FTS21SK	6"	150	3.63	1.64	10	
	8"	200				
FTS22SK	12"	300	4.35	1.97	10	
	18"	450				
	20"	500				
	24"	600				

Splice Plate Kits for 4" & 6" Deep Flextray

Part Number	System Width		Weight Per 100		Box Quantity	Conveniently poly-bagged for use with 4" & 6" Deep Flextray
	in.	mm	lbs.	kg		
FTS23SK	4"	100	5.07	2.30	10	
	6"	150				
	8"	200				
	12"	300				
FTS24SK	18"	450	5.79	2.62	10	
	20"	500				
	24"	600				

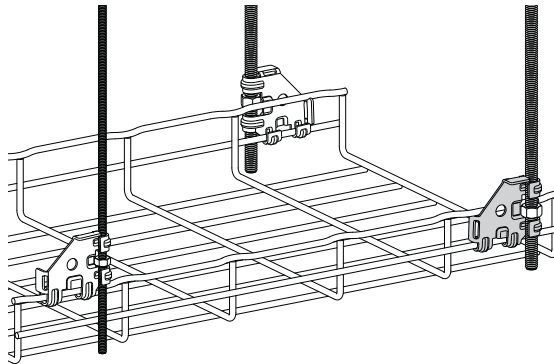


Flip Clip™

- Accommodates 1/4" and 3/8" rod sizes
- Installs quickly with a screwdriver or pliers thus reducing installation time
- Requires only one hex nut (not included) to hang and level the Flextray
- Retainer tabs can be bent over to lock-in the threaded rod and wire basket
- Finishes __: ZN, FB, SS6

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
WB46H__	Flip Clip	50	5.2	2.36

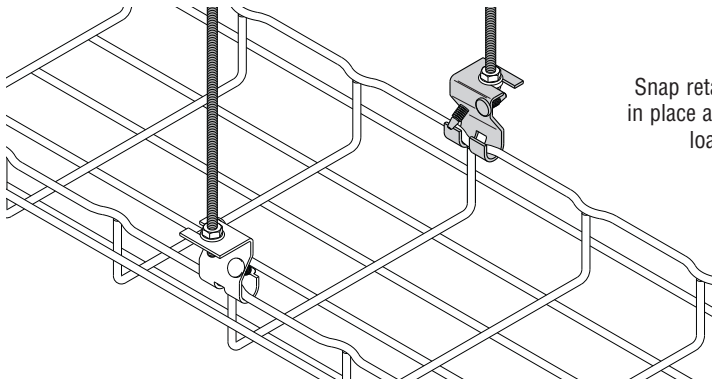
Snap retainer stops in place after cable is loaded.



Trapeze Support

- Trapeze Clip installs fast
- For use with trays up to 4" (100mm) deep, 12" (300mm) wide, and spans up to 8'-0" (2.44m)
- Tray can be released from support to allow side cable loading
- Accepts 1/4" and 3/8" threaded rod sizes
- Finishes __: GS, BLE

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
TRAPEZE SUPT2__	Trapeze Support Clip	50 trapeze clips 100 retainer stops	7.0	3.17



Snap retainer stops in place after cable is loaded.



See page 164 for finish information

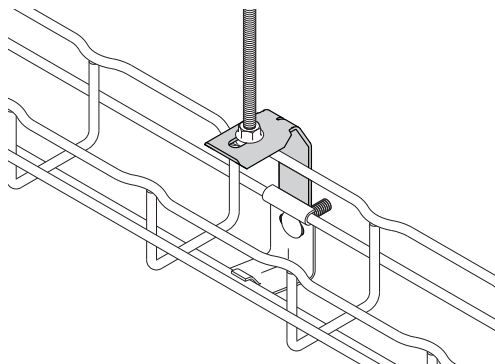
2" Center Hanger

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
2 IN CTR SUPT	Center Support Hanger for FT2x2	50	5.0	2.27

- For use with 2" (50mm) tray widths only
- Accepts 1/4" threaded rod
- Hardware sold separately
- Finishes __: GS, BLE



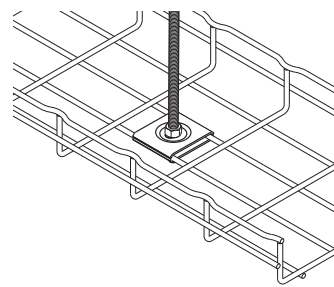
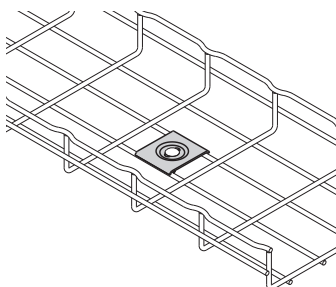
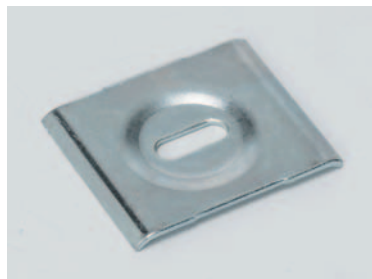
Assemble with
ATTACHMENT CLP
& FTHDWE 1/4
hardware.



Hold Down Plate

Part Number	Slot Size	Qty./Box	Wt./Box	
			lbs.	kg
SUPT WASHER	.28" x .70"	50	4.7	2.13
FTA6HD	.40" x .70"	50	3.5	1.59

- Easy way to mount 4" (100mm) wide tray for raceway run.
- Use 1/4" screws to attach SUPT WASHER to your specific wall/stud application (hardware sold separately).
- FTA6HD can be used in pairs to create a center-hung support using 3/8" rod.
- To protect cables use threaded rod protector (page 183).
- To complete 3/8" center hanger assembly use:
2 - FTA6HD
2 - HN 3/8"-16 hex nuts
- Finish: ZN, SS6

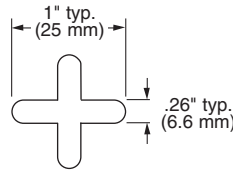
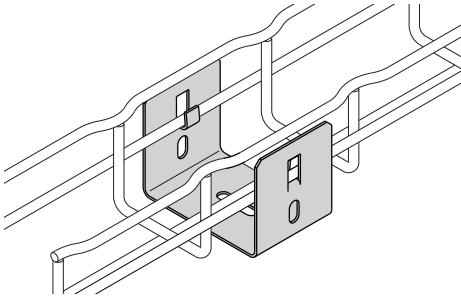


See page 164 for finish information

Mounting Bracket

- Designed to support FT2X2X10 Flextray
- Click tabs for Flextray attachment
- Use 1/4" hardware and washer (not included) to mount bracket
- Finishes __: SS6

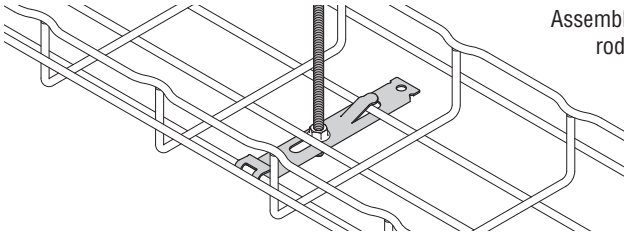
Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
FTB2UB__	Light Duty Wall/Rack Bracket	10	2.1	0.95



Center Hung Clip

- Use for light duty cabling applications
- For use with 1 1/2" (38mm) & 2" (51mm) deep tray with 4" (100mm) and 6" (150mm) widths
- Built-in hold down tab
- Accepts 1/4" threaded rod
- Threaded rod and nuts sold separately
- Finishes __: GS, BLE

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
CTR HUNG CLP__	Light Duty Center Hanger	50	4.0	1.81



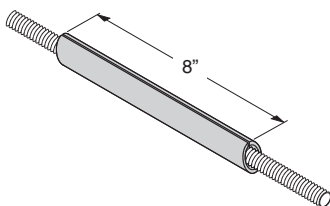
Assemble with 1/4" threaded rod and finned nut



Threaded Rod Protector

- Use to protect cables from 1/4" to 1/2" threaded rod
- PVC UL94V-0 material
- Color: Gray

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
SB301-1/2x8__	Rod Protector	1	0.01	0.004

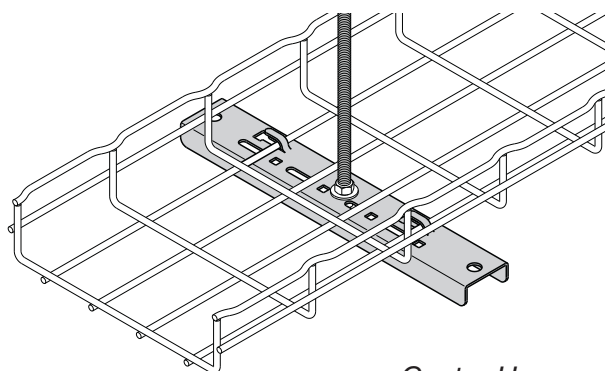


See page 164 for finish information

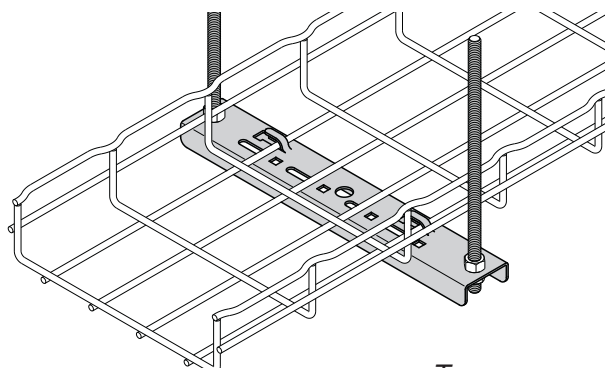
Center Trapeze Hanger

Part Number	Maximum Tray Width		Actual Length		Wt./Pc.	
	in.	mm	in.	mm	lbs.	kg
FTB06CT	6"	150	9.78"	248	0.61	0.27
FTB08CT	8"	200	11.75"	298	0.74	0.33
FTB12CT	12"	300	15.69"	398	0.98	0.44
FTB16CT	16"	400	19.63"	498	1.61	0.73
FTB18CT	18"	450	21.59"	548	1.77	0.80
FTB20CT	20"	500	23.56"	598	1.93	0.87
FTB24CT	24"	600	27.50"	698	2.25	1.02

- Can be installed as center-hung or traditional trapeze hanger
- Multiple options to secure Flextray to hanger
 - Built in hold down tabs (use screwdriver to bend down tab)
 - Compatible with TOOLLESS CLIP with snap-in locking pin
 - Compatible with WBUHD hold down clip when tray crosswire is aligned over top of hanger
 - Slots and holes for optional hardware attachment
- Corrosion resistant pre-galvanized zinc finish (other finishes available upon request)
- Center hole for up to 1/2" rod
- Hole on each end for up to 3/8" rod
- Threaded rod protector available (SB301-1/2 x 8)



Center Hung



Trapeze

See page 164 for finish information

KwikWire™ Clamps & Wire Rope

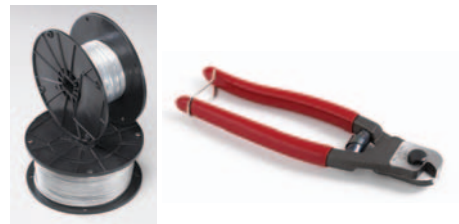


- KwikWire system replaces jack chain or ATR to support lighting, ductwork, and Flextray.
- Can be quickly installed around beams - No drilling required.
- Ideal for sloped ceilings - can hang objects at up to 60° angles.
- Simple height adjustments are made by releasing locking tab, no tools required.
- Spools of wire can be cut to length in field, reducing waste and up front planning.

Part Number	Clamp Description For Use With Rope Diameter	Qty./Box
BKC100	1/32", 1/16" & 3/32"	100
BKC200	3/32", 1/8" & 3/16"	50



Part Number	Rope Diameter - Working Load	Qty./Spool
BKW063 (1)	1/16" - 96 lbs.	500 ft.
BKW094 (1)	3/32" - 184 lbs.	500 ft.
BKW125 (1)	1/8" - 340 lbs.	500 ft.
BKW188 (2)	3/16" - 840 lbs.	250 ft.
BKCC	Wire Rope Cutter	1



Wire Rope Construction



(1) 7 x 7



(2) 7 x 19

KwikWire™ Clamp Working Loads*

Clamp Part No.	Wire Rope Dia.	Lbs. Safety Factor 5
BKC100	1/32"	0-22
BKC100	1/16"	0-75
BKC100	3/32"	25-150
BKC200	3/32"	25-150
BKC200	1/8"	25-250
BKC200	3/16"	50-640

**Working loads shown are for hanging vertically. For suspending at 15°, 30°, 45° or 60° angles from vertical, use the following percentage of the working loads from the chart:*

15° = 96%
30° = 86%
45° = 70%
60° = 50%

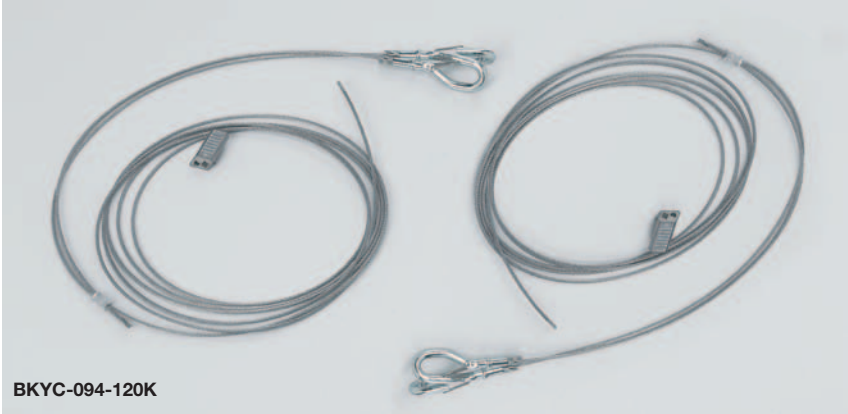
KwikWire™ Cable Assemblies



- New KwikWire “Y” Cable Assemblies will simplify the installation of light fixtures and cable tray.
- “Y” Cables enable a single suspension point to provide two securement points.
- “Y” legs are 18” in length.
- “Y” Cable Assembly Kits include two (2) 10’-0” long cable assemblies and two (2) KwikWire clamps.
- Add-on cable assemblies can be field installed on KwikWire systems.



BKYC-094



BKYC-094-120K

Part Number	Description	Qty./Box
BKYC-094	Carabiner	20
BKYC-094-120K	Carabiner	10

KwikPak™ Wire Rope & Clamps



KwikPak™ makes handling KwikWire™ a breeze!

- Refill your starter kit with a B-Line KwikPak™.
- KwikPaks include KwikWire clamps and a spool of wire rope.
- KwikPaks are shipped in a specially designed dispenser box to ease field cutting of wire.

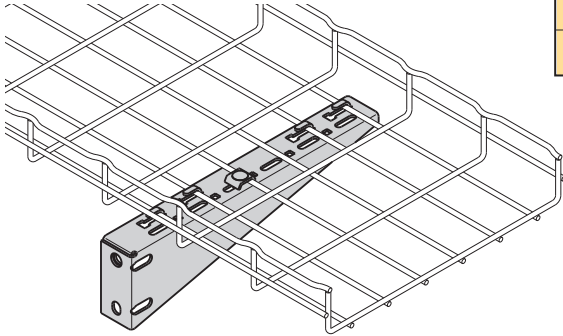


Part Number	Kit Includes - Working Load	Qty./Box
BKP10063	BKC100 (100 pcs.), Cable Cutter 1/16"Ø Wire Rope (500 ft.)	1
BKP10094	BKC100 (100 pcs.), Cable Cutter 3/32"Ø Wire Rope (500 ft.)	1
BKP20125	BKC200 (50 pcs.), Cable Cutter 1/8"Ø Wire Rope (500 ft.)	1
BKP20188	BKC200 (50 pcs.), Cable Cutter 3/16"Ø Wire Rope (250 ft.)	1

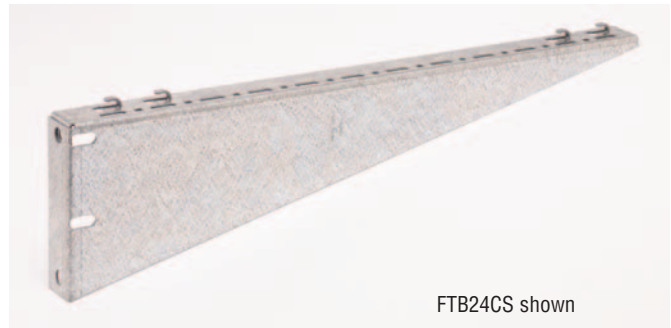


Shelf Brackets

- Heavy-duty support bracket
- For use with 6" (150mm) to 24" (600mm) wide trays
- Built-in tab for hold down
- Optional hardware sold separately
- Finishes __: GLV, HDG, SS6



Part Number	Use With Tray Width	Qty./Box	Wt./Box	
			lbs.	kg
FTB06CS__	6" (150mm)	1	0.5	0.22
FTB08CS__	8" (200mm)	1	0.6	0.27
FTB12CS__	12" (300mm)	1	1.2	0.54
FTB16CS__	16" (400mm)	1	1.7	0.77
FTB18CS__	18" (450mm)	1	1.9	0.86
FTB20CS__	20" (500mm)	1	2.6	1.18
FTB24CS__	24" (600mm)	1	3.2	1.45

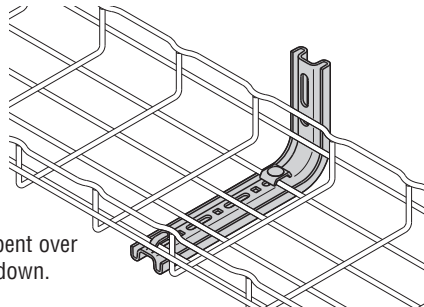


FTB24CS shown

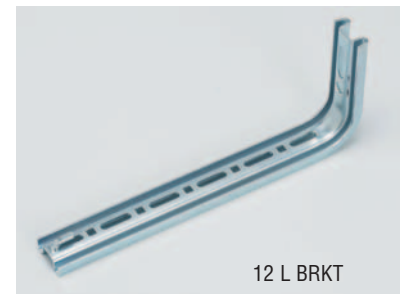
L Brackets

- Installs tray to wall cleanly
- Built-in tab for hold down (not available in stainless steel)
- For use with 4" (100mm) to 24" (600mm) wide trays
- Use with pedestal clamp in raised floor applications
- Hardware sold separately
- Finishes __: EG, HD, BLE, 316S

Part Number	Use With Tray Width	Qty./Box	Wt./Box	
			lbs.	kg
4 L BRKT__	4" (100mm)	1	0.6	0.27
8 L BRKT__	6" (150mm) & 8" (200mm)	1	0.8	0.36
12 L BRKT__	12" (300mm)	1	1.3	0.59
16 L BRKT__	16" (400mm)	1	1.4	0.63
20 L BRKT__	18" & 24" (450 & 500mm)	1	2.0	0.91
24 L BRKT__	24" (600mm)	1	2.3	1.04



Tab can be bent over for hold down.

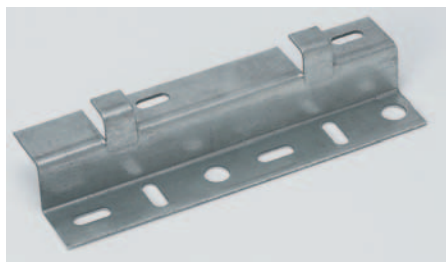


12 L BRKT

See page 164 for finish information

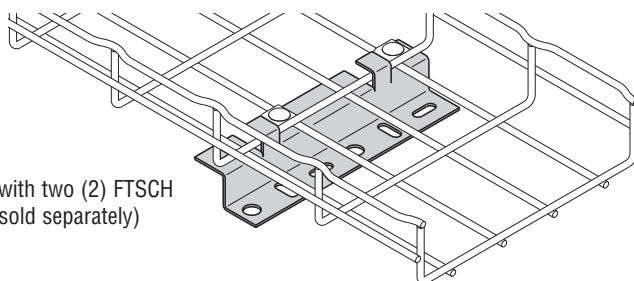
Z Brackets

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
Z BRKT__	Z Bracket	1	0.6	0.27



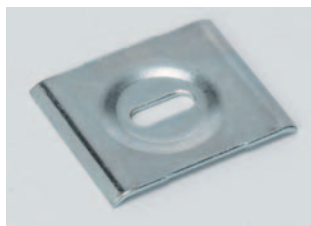
- Used for horizontal and/or vertical mounting
8" (200mm) wide bracket for use with 4" (100mm) to 32" (800mm) wide trays
- Can be used to offset trays from floor
- Can be used to terminate tray run at wall
- Multiple brackets can be used for wider tray widths
- Finishes __: GS, BLE

Use with two (2) FTSCH
(sold separately)

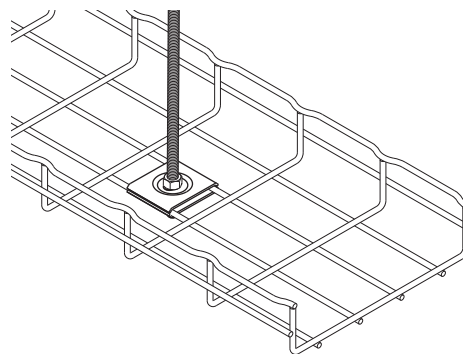
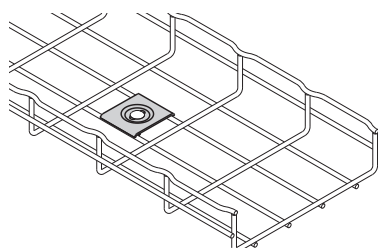


Hold Down Plate

Part Number	Slot Size	Qty./Box	Wt./Box	
			lbs.	kg
SUPT WASHER__	.28" x .70"	50	4.7	2.13
FTA6HD__	.40" x .70"	50	3.5	1.59



- Easy way to mount 4" (100mm) wide tray for raceway run.
- Use 1/4" screws to attach SUPT WASHER to your specific wall/stud application (hardware sold separately).
- FTA6HD can be used in pairs to create a center-hung support using 3/8" rod.
- To protect cables use threaded rod protector (page 183).
- To complete 3/8" center hanger assembly use:
2 - FTA6HD
2 - HN 3/8"-16 hex nuts
- Finish: ZN, SS6

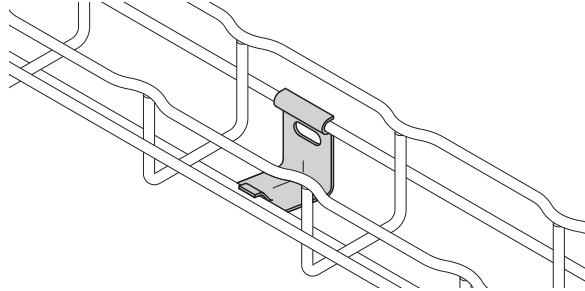


See page 164 for finish information

Attachment Clips

- Wall attachment for 2" (50mm) wide tray only (FT2X2X10)
- Low-profile appearance
- Built-in tab to hold down tray
- Can also be used with 2" (50mm) Center Hanger (see page 182)
- Hardware sold separately
- Finishes __: GS, BLE

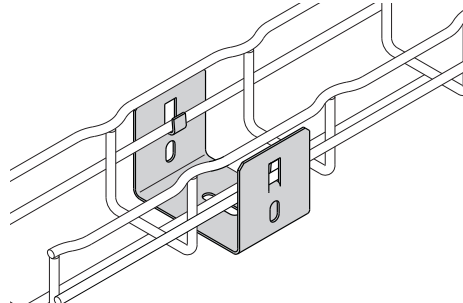
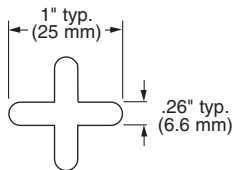
Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
ATTACHMENT CLP__	Attachment Clip Support for FT2x2x10	50	3.4	1.54



Mounting Bracket

- Designed to support FT2X2X10 Flextray
- Click tabs for Flextray attachment
- Use 1/4" hardware and washer (not included) to mount bracket
- Finishes __: SS6

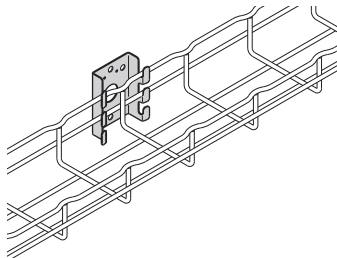
Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
FTB2UB__	Light Duty Wall/Rack Bracket	10	2.1	0.95



Wall Supports

- Use to attach 2" (50mm) or 4" (100mm) trays to walls, struts or cabinets
- Use for raceway mounting
- Mount to metal framing for vertical support
- Tabs are built in for tray hold down
- Mount to side rail for electrical box connection
- Finishes __: GLV

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
FTA050CC__	Wall Support Bracket	1	0.8	0.36

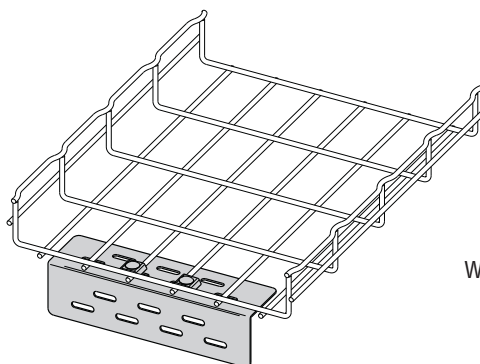


See page 164 for finish information

Wall Termination Kit

Part Number	Length	Qty./Box	Wt./Box	
			lbs.	kg
FTA9WTK__	9"	1	1.3	0.59

- Kit includes all hardware necessary to support Flextray when terminated at a wall
- Mount slotted angle to wall with up to 3/8" hardware (not included)
- Finishes __: ZN, FB, SS6



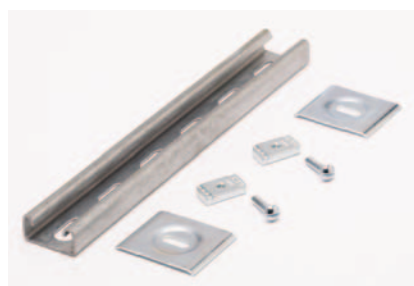
Wall Termination Kit includes:

- 1 - Angle with Slots
- 2 - FTSCH

Wall Mount Kit

Part Number	Length	Qty./Box	Wt./Box	
			lbs.	kg
WB48WMK__	8"	1	0.76	0.35
WB1224WMK__	12"	1	1.22	0.55

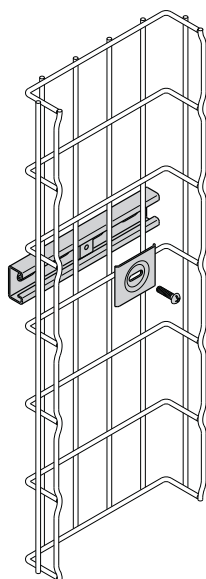
- Kit includes all components necessary to mount Flextray to a wall horizontally or vertically
- Mount strut to wall with up to 1/2" hardware (not included)
- Finish: Channel - GLV
Hardware - ZN
Available in SS6



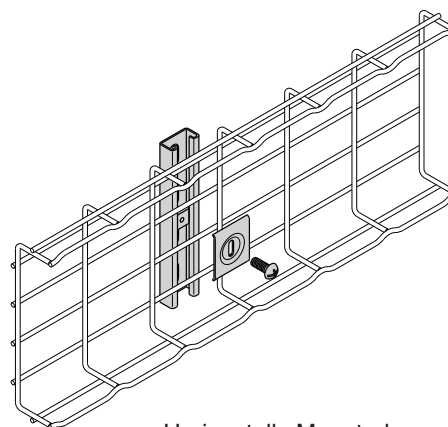
WB1224WMK shown

Wall Mount Kit includes:

WB48WMK	WB1224WMK	
1	1	B54SH Strut
1	2	SUPT WASHER Hold Downs
1	2	1/4"-20 x 1" Slotted Head Screw
1	2	N224WO Channel Nut



Vertically Mounted



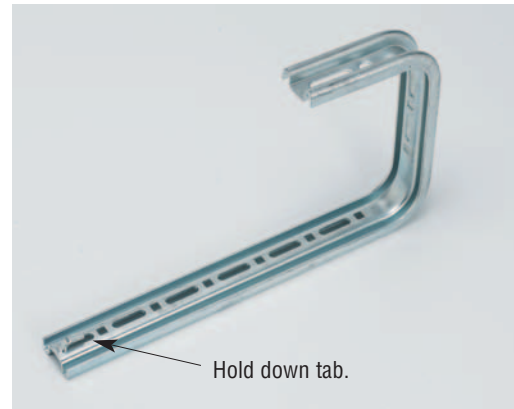
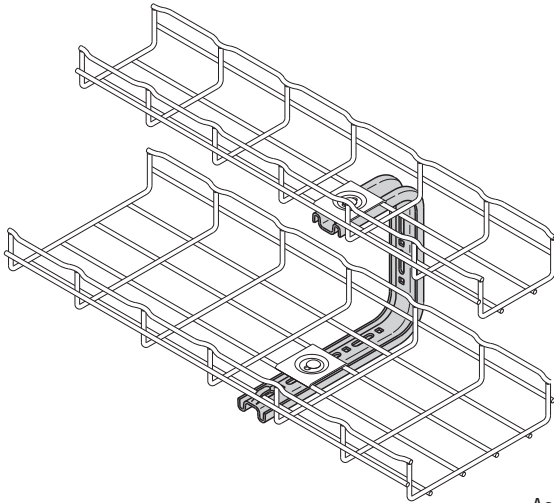
Horizontally Mounted

See page 164 for finish information

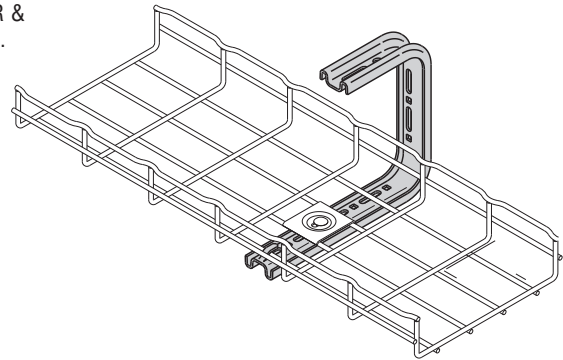
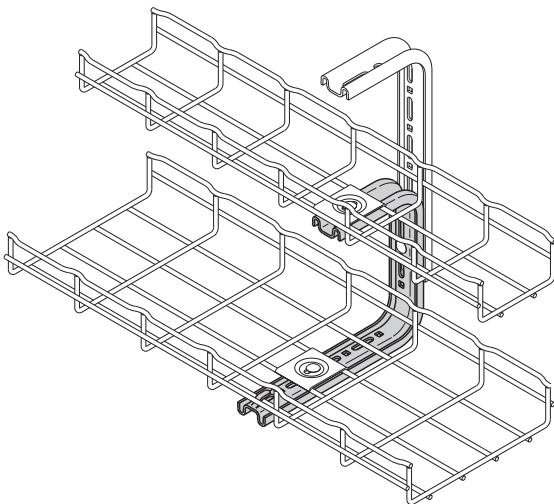
C Brackets

- Tab can be used for hold down (stainless steel will not have these tabs)
- For use with 4" (100mm) to 12" (300mm) wide trays
- C Bracket attaches to hard ceiling types
- All brackets are 7⁷/₈" (200mm) tall
- Cables can be side loaded
- L Brackets (page 189) and C Brackets can be combined for layered tray runs
- Finishes __: EG, BLE, HD

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
4 C BRKT__	4" (100mm) C Bracket	1	1.2	0.54
8 C BRKT__	8" (200mm) C Bracket	1	1.4	0.63
12 C BRKT__	12" (300mm) C Bracket	1	1.9	0.86



Assemble with
SUPT WASHER &
FTHDWE 1/4.



See page - 164 for finish information

The F.A.S.T. System is an innovative and flexible way to support and manage cables in raised floor applications. This Foldable, Adjustable, Stackable, Tool-less System uses Flextray, stands, and accessories to provide a variety of options for your project and the fastest installation time on the market. Best of all, it does not attach to the raised floor structure and can be installed either before or after floor is in place.



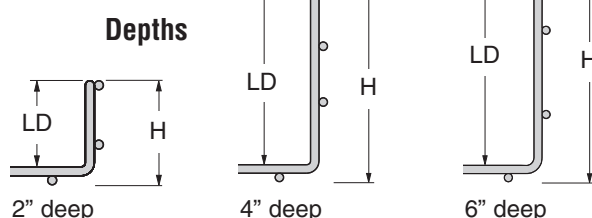
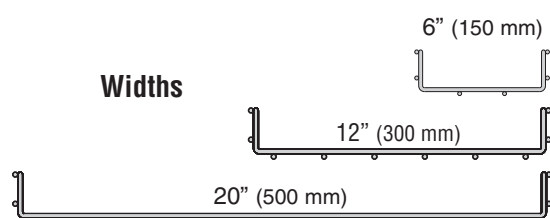
FLEXTRAY
& ACCESSORIES



F.A.S.T. System Flextray

- Rounded ends on all wires
- UL Classified (see technical data for details)
- Depths: 2", 4", & 6" nominal
- Lengths: 24", 48", & 118"
- Use flat fitting (WBUFLT) for turns
- Wire Diameter: 0.191" (4.9mm)
- Standard finishes: GLV

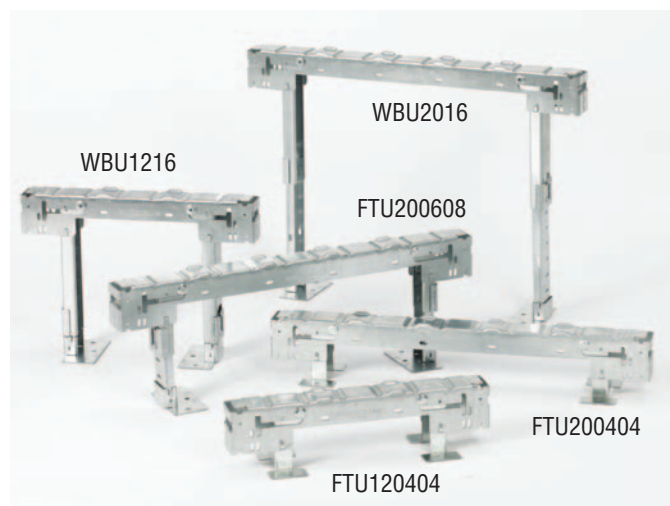
Consult customer service for other available finishes



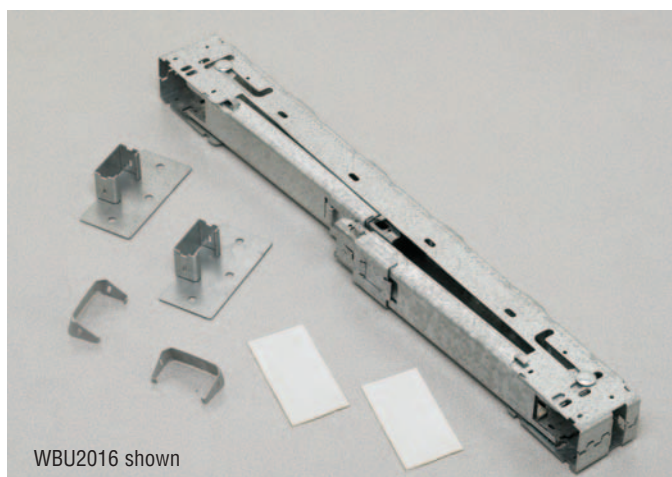
	Part Number	Width		Length		LD		H		Wt. Per Pc.	
		in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
2" (50mm) deep	FTU2X6X2	6	150	23.9	603	1.63	41	2.02	51	2.03	0.92
	FTU2X6X4	6	150	47.5	1206	1.63	41	2.02	51	3.95	1.79
	FTU2X6X10	6	150	118.4	3008	1.63	41	2.02	51	9.72	4.41
	FTU2X12X2	12	300	23.9	603	1.63	41	2.02	51	2.99	1.36
	FTU2X12X4	12	300	47.5	1206	1.63	41	2.02	51	5.82	2.64
	FTU2X12X10	12	300	118.4	3008	1.63	41	2.02	51	14.32	6.50
	FTU2X20X2	20	500	23.9	603	1.63	41	2.02	51	4.28	1.94
	FTU2X20X4	20	500	47.5	1206	1.63	41	2.02	51	8.33	3.78
	FTU2X20X10	20	500	118.4	3008	1.63	41	2.02	51	20.45	9.28
4" (100mm) deep	FTU4X6X2	6	150	23.9	603	4.38	111	4.77	121	2.67	1.21
	FTU4X6X4	6	150	47.5	1206	4.38	111	4.77	121	5.20	2.36
	FTU4X6X10	6	150	118.4	3008	4.38	111	4.77	121	12.79	5.80
	FTU4X12X2	12	300	23.9	603	4.38	111	4.77	121	3.64	1.65
	FTU4X12X4	12	300	47.5	1206	4.38	111	4.77	121	7.08	3.21
	FTU4X12X10	12	300	118.4	3008	4.38	111	4.77	121	17.39	7.89
	FTU4X20X2	20	500	23.9	603	4.38	111	4.77	121	4.93	2.24
	FTU4X20X4	20	500	47.5	1206	4.38	111	4.77	121	9.58	4.35
	FTU4X20X10	20	500	118.4	3008	4.38	111	4.77	121	23.52	10.67
6" (150mm) deep	FTU6X6X2	6	150	23.9	603	6.38	162	6.77	172	3.32	1.51
	FTU6X6X4	6	150	47.5	1206	6.38	162	6.77	172	6.45	2.93
	FTU6X6X10	6	150	118.4	3008	6.38	162	6.77	172	15.85	7.19
	FTU6X12X2	12	300	23.9	603	6.38	162	6.77	172	4.28	1.94
	FTU6X12X4	12	300	47.5	1206	6.38	162	6.77	172	8.33	3.78
	FTU6X12X10	12	300	118.4	3008	6.38	162	6.77	172	20.45	9.28
	FTU6X20X2	20	500	23.9	603	6.38	162	6.77	172	5.57	2.53
	FTU6X20X4	20	500	47.5	1206	6.38	162	6.77	172	10.83	4.91
	FTU6X20X10	20	500	118.4	3008	6.38	162	6.77	172	26.59	12.06
Flats	WBUFLT	20	500	24	604	-	-	-	-	2.96	1.34
	WBUFLT-12	12	250	24	604	-	-	-	-	1.50	0.68
	WBUFLT-06	6	150	24	604	-	-	-	-	1.00	0.45

See page - 164 for finish information

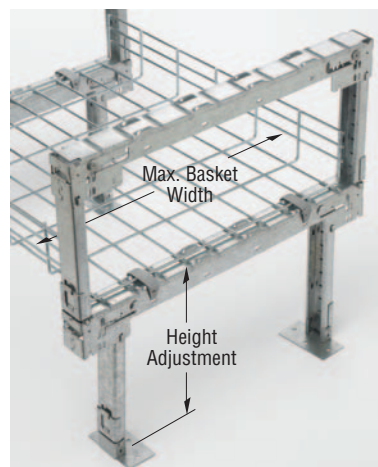
Stands



- No tools required for installation
- Formed top surface free of protrusions or sharp edges
- Up to 6" height adjustment
- Inside and outside leg positioning
- Folded and boxed for ease in shipping
- Patent Pending
- Stand part number includes:
 - one (1) stand
 - two (2) feet
 - two (2) adhesive pads
 - two (2) hold down clips
- Standard finish: Pre-Galvanized



WBU2016 stands shown in double tier application.
Feet and adhesive pads not required for second tier assembly.



Part Number	Max. Basket Width		Height Adjustment		Stands Per Box	Wt. Per Box	
	in.	mm	in.	mm		lbs.	kg
FTU120404	12	300	4	101	2	1.82	0.82
FTU120608	12	300	6-8	152-203	2	2.79	1.26
WBU1216	12	300	10-16	254-406	2	7.44	3.37
WBU1224 *	12	300	18-24	457-609	2	9.06	4.11
WBU1231 *	12	300	25-31	635-787	2	10.52	4.77
FTU200404	20	500	4	101	2	2.34	1.06
FTU200608	20	500	6-8	152-203	2	3.36	1.52
WBU2016	20	500	10-16	254-406	2	8.56	3.88
WBU2024	20	500	18-24	457-609	2	10.20	4.62
WBU2031 *	20	500	25-31	635-787	2	11.64	5.28

* Legs are packed separately in box and not inserted in stand.

See page - 164 for finish information

Cantilever Kits & Accessories



- No tools required for installation
- Simple design for tiered applications
- Available in kits or individual parts
- Adjustable shelf height
- Formed top surface has no sharp edges
- Can be installed independent of raised floor
- Standard finish: Pre-Galvanized



Adjustability of shelf brackets

WBUCK812 Double Tier Cantilever Kit Shown with WBU2016 Stand



WBUCK12 - Single Tier Cantilever Kit Includes

- (1) WBUCK12
- (1) WBUL16
- (1) WBUCLF
- (2) WBUHD



WBUCK812 - Double Tier Cantilever Kit Includes

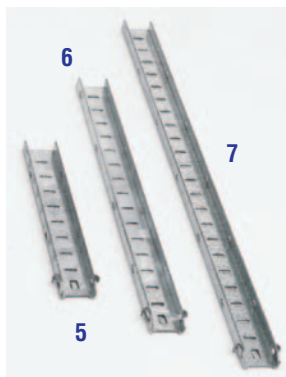
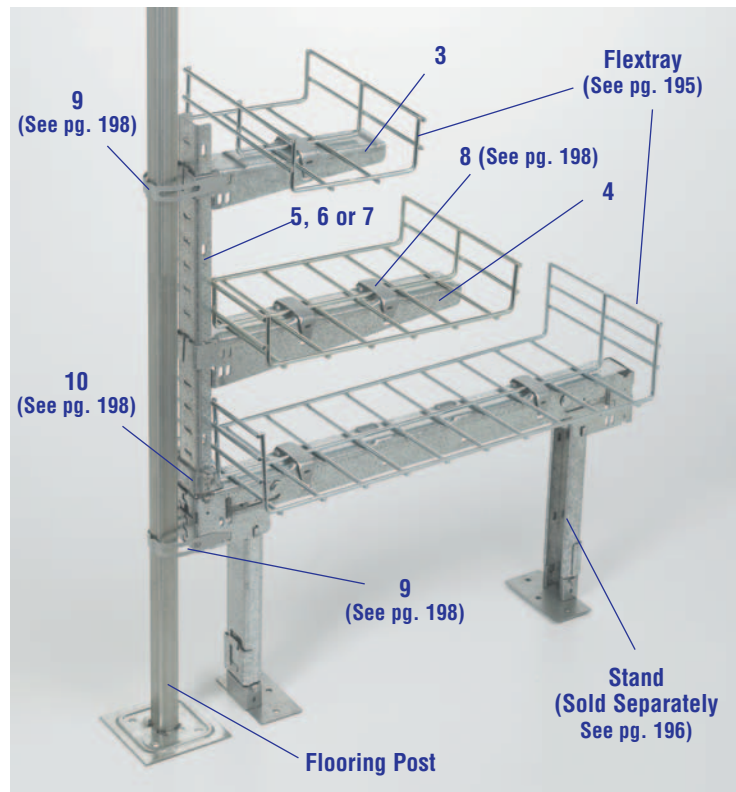
- (1) WBUCK8
- (1) WBUCK12
- (1) WBUL24
- (1) WBUCLF
- (3) WBUHD



WBUCK8



WBUCK12



Part Number	Item #	Description	Max Height †		Box Qty.	Wt. Per Box	
			in.	mm		lbs.	kg
WBUCK12 *	1 ^Δ	Cantilever Kit - Single Tier with 12" Bracket	7.30	185	10	15.62	7.08
WBUCK812	2 ^Δ	Cantilever Kit - Double Tier with 8" & 12" Brackets	15.25	387	10	25.40	11.52
WBUCK8	3	8" Cantilever Bracket for 6" Flextray	-	-	10	5.51	2.50
WBUCK12	4	12" Cantilever Bracket for up to 12" Flextray	-	-	10	9.16	4.15
WBUL16	5	Short Vertical Support	7.30	185	10	4.37	1.98
WBUL24	6	Medium Vertical Support	15.25	387	10	8.45	3.83
WBUL31	7	Tall Vertical Support	22.25	565	10	12.07	5.47

* For use with 2" and 4" deep Flextray on the lower level.

† Height - from top of stand

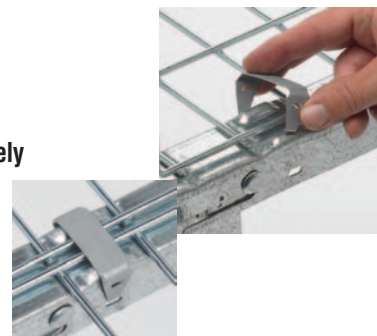
Δ Stand not included

See page - 164 for finish information

Hold Down Clip



- Spring steel clip to attach Flextray to stands
- No tools required for installation
- Holds both continuous and spliced wire sections securely
- Works with stands and cantilever brackets



Part Number	Item #	Description	Box Qty.	Wt. Per Box	
				lbs.	kg
WBUHD	8	Basket Clip	50	1.10	0.50

Pedestal Clip



- Optional spring steel clip to give added rigidity to system
- Works with stands and cantilever brackets



Part Number	Item #	Description	Box Qty.	Wt. Per Box	
				lbs.	kg
WBUPC	9	Pedestal Clip	50	1.65	0.75

Cantilever Foot

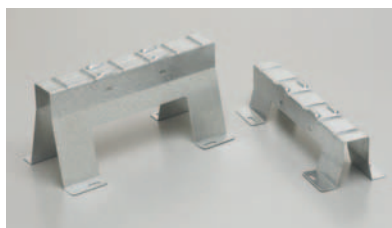


- Secures vertical support into stand top
- Only required when stand legs are in the inner position

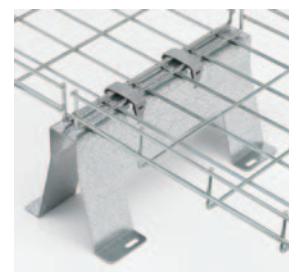


Part Number	Item #	Description	Box Qty.	Wt. Per Box	
				lbs.	kg
WBUCF	10	Cantilever Foot	50	8.65	3.92

Under Floor Stand



- Heights of 3" (76mm), 4" (101mm), 5" (127mm) or 6" (152mm)
- Leg cutout allows for airflow
- No tools required to mount Flextray to stand
- Use WBUHD hold down clips to secure basket
- Stand width is 12" (305mm)
- Fasten to floor for maximum stability
- Floor mounting slot size: .313" (7.9mm) x .813" (20.6mm) for 1/4" hardware

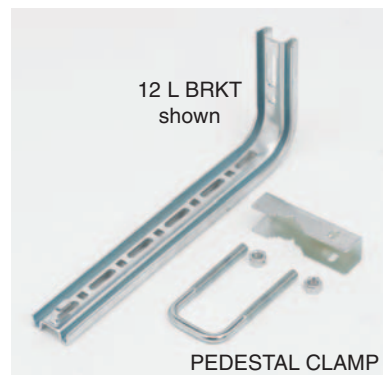


Part Number	Overall Height		Wt. Per Each	
	in.	mm	lbs.	kg
WBU1203	3	76	1.32	0.60
WBU1204	4	101	1.60	0.72
WBU1205	5	127	1.88	0.85
WBU1206	6	152	2.17	0.98

See page - 164 for finish information

L Bracket & Toolless Clip

- For use when access to ground floor is limited
- Use with round post sizes 0.9" (25mm) through 1.2" (30mm)
- Use with square posts
- Order clamps and brackets separately
- Built-in tab for hold down
- Tool-less Clip (plenum-rated material) - Snap-in locking pin securely holds basket to bracket



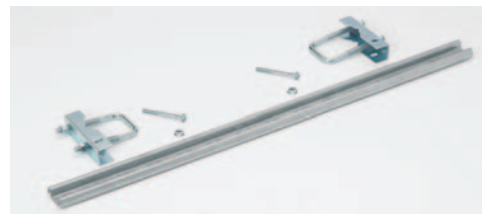
Part Number	Description	Qty.	Wt. Per Box	
			lbs.	kg
TOOLLESS CLIP	Tool-less Hold-Down Clip	50/Box	1.00	0.45

Brackets (Zinc Plated)

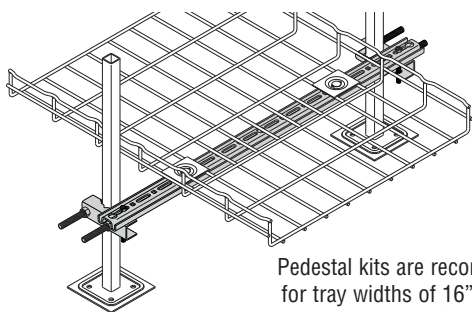
Part Number	System Width		Length		Box Qty.	Wt. Per Box	
	in.	mm	in.	mm		lbs.	kg
8 L BRKT	6-8	150-200	8	200	1	0.80	0.36
12 L BRKT	12	300	12	300	1	1.30	0.59

Pedestal Clamp & Kit

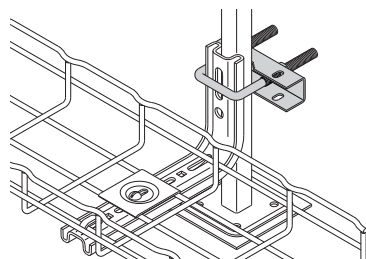
- Clamps to existing raised-access floor stanchion
- Use L BRKT (shown above) or full pedestal kit to support trays under the raised access floor (sold separately)
- For tray widths 2" (50mm) to 20" (500mm)
- *Pedestal Clamp Kit includes two (2) pedestal clamps, 28" (711mm) profile section, bolts & nuts
- Kits include hardware
- Finishes __: EG



Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
PEDESTAL CLAMP__	Pedestal Clamp	1	0.6	0.27
PEDESTAL KIT__	Pedestal Clamp Kit	1*	3.3	1.49



Pedestal kits are recommended for tray widths of 16" (400mm) or greater

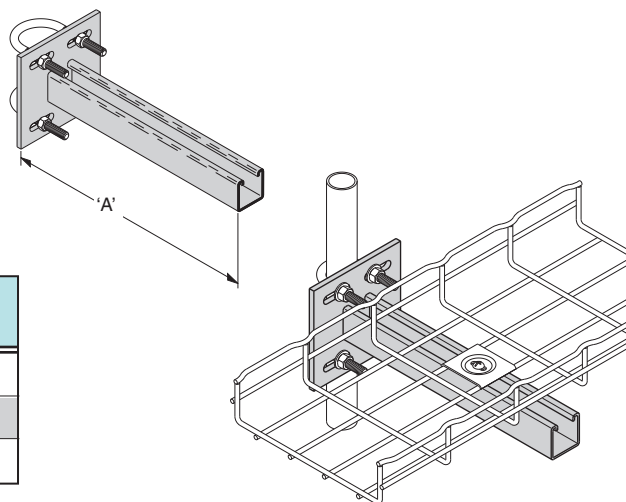


See page - 164 for finish information

Under Floor Support Bracket



- Under Floor Support Bracket provides rugged support for Flextray System from access floor post.
- To complete the installation, the following hardware must be ordered separately.
 - (2) - B501 U-Bolts
 - (1) - SUPT WASHER Hold Down
 - (1) - 1/4"-20 x 1" Slotted Head Screw
 - (1) - N224WO Channel Nut
- Finish: ZN

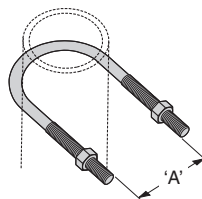


Part Number	'A'		Box Quantity	Wt. Per Box	
	in.	mm		lbs.	kg
B409UF-12	12"	300	1	3.6	1.63
B409UF-18	18"	450	1	4.5	2.04
B409UF-21	21"	533	1	5.4	2.45

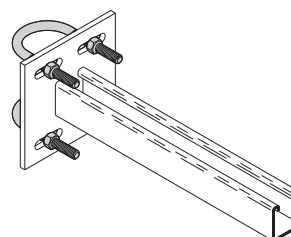
U-Bolts



- Designed for attachment of Under Floor Support Brackets to access floor post. Each U-Bolt includes two (2) hex nuts.
- Finish: ZN



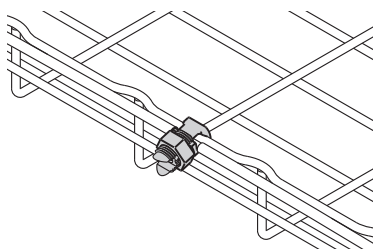
Part Number	'A'		Thread Size	Box Quantity	Wt. Per Box	
	in.	mm			lbs.	kg
B501-1	1 3/8"	30	5/16"-18	50	7.0	3.17
B501-1 1/2	2"	50	5/16"-18	50	8.0	3.63
B501-2	2 7/16"	62	3/8"-16	20	5.4	2.45
B501-2 1/2	2 15/16"	75	3/8"-16	25	8.0	3.63



See page - 164 for finish information

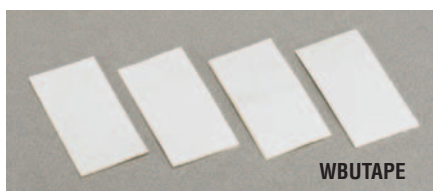
Ground Bolt

- Attaches up to #1 ground wire to each tray section when separate ground wire is required
- Used for UL grounding compliance.
- When using color powder coated finish or paint, coating must be removed at the points of contact.
- Finish: Copper Plated



Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
GROUND BOLT	Ground Bolt	1	0.11	0.05

Adhesive & Feet

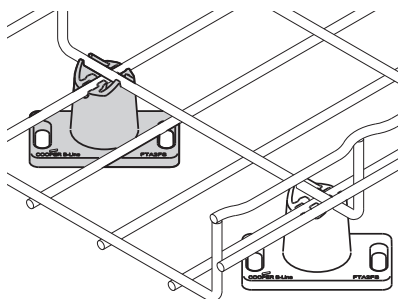


- WBUTAPE - Double-sided adhesive pads for temporary positioning of floor stands
Pad Size: 2" (50mm) x 4" (100mm)
- WBUFA - Adhesive to secure stand to floor

Part Number	Description	Box Qty.	Wt. Per Box	
			lbs.	kg
WBUF	Stand Foot	10	2.36	1.07
WBUTAPE	Double-Sided Tape	50	2.50	1.13
WBUFA	Floor Adhesive	1 Gallon	10.78	4.89

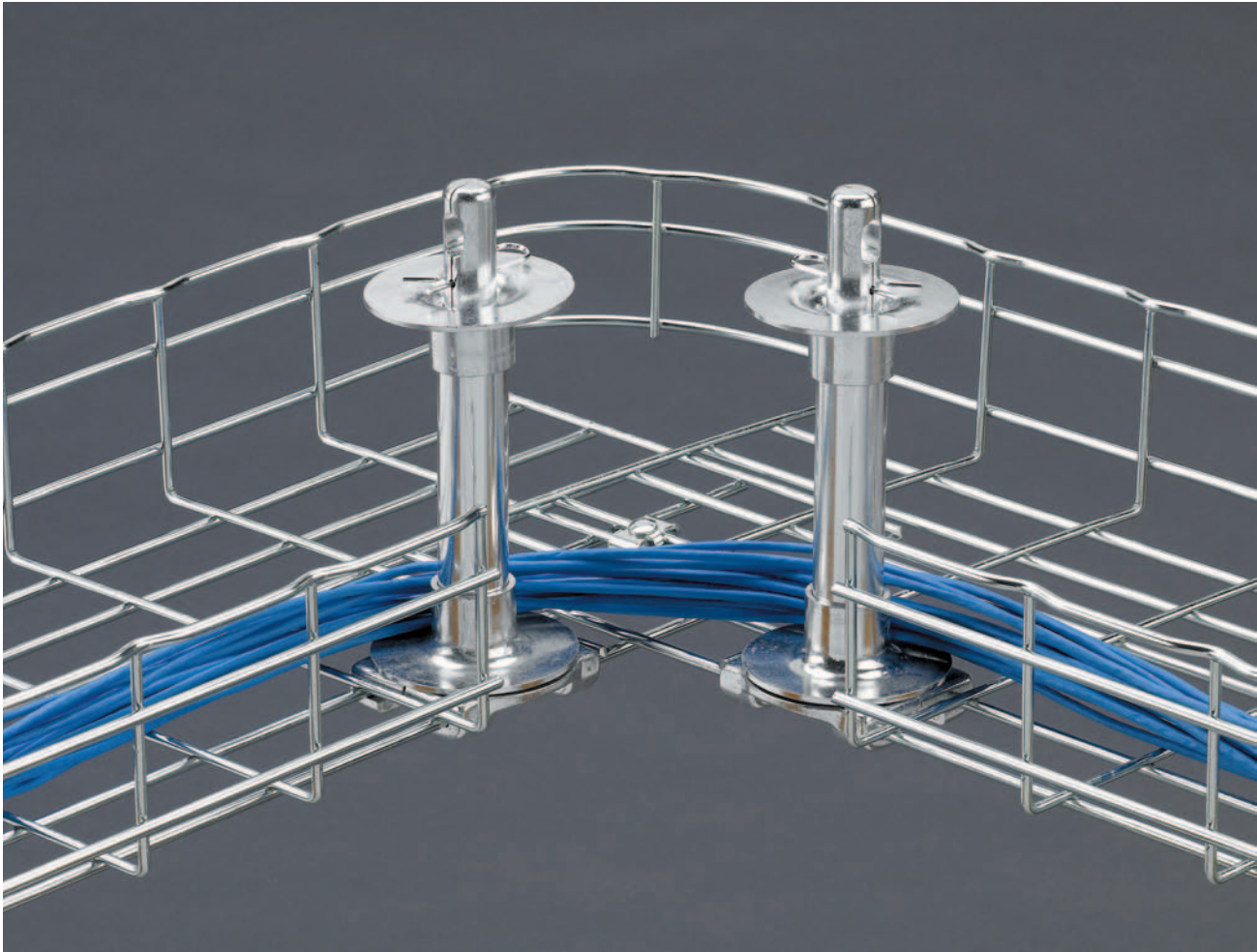
Floor Stand

- Non-metallic snap lock floor stand is designed for use under access floors.
- Floor stand elevates Flextray System 1⁵/₈" (41.3mm) above the floor.
- To attach floor stand, use Liquid Nails™ or anchors.
- Elevation increments of 1³/₈" (35mm) can be obtained by stacking floor stands.
- Sized for 1/4" hardware (order separately).
- Material: Black Plenum-rated Plastic



Part Number	Wt. Per Pc.		Box Quantity
	lbs.	kg	
FTA2FS	0.44	0.20	10

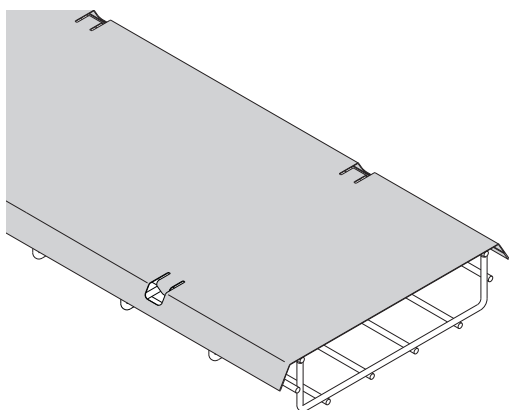
See page - 164 for finish information



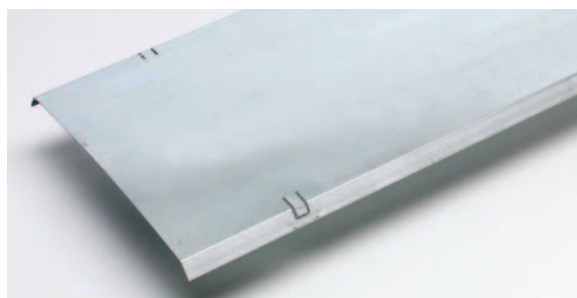
FLEXTRAY
& ACCESSORIES

Covers

- Protects cable from debris and dust
- Adds security to cable installation
- Easy bend-over tabs secure cover to trays
- Available for 2" (50mm) to 24" (600mm) wide trays
- Comes in 118" (2997mm) length
- Finishes __: GS, BLE, 304S, 316S

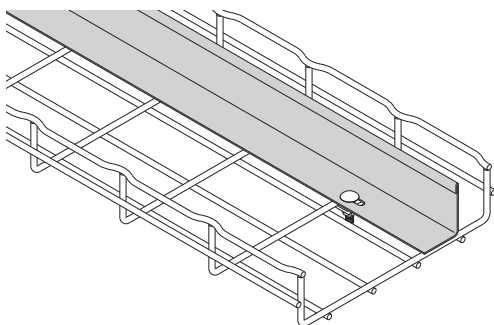


Part Number	Use With Tray Width	Qty./Box	Wt./Box	
			lbs.	kg
2 IN COVER__	2" (50mm)	1	3.8	1.72
4 IN COVER__	4" (100mm)	1	5.7	2.58
6 IN COVER__	6" (150mm)	1	6.7	3.04
8 IN COVER__	8" (200mm)	1	8.7	3.94
12 IN COVER__	12" (300mm)	1	11.6	5.26
16 IN COVER__	16" (400mm)	1	15.6	7.07
18 IN COVER__	18" (450mm)	1	17.0	7.71
20 IN COVER__	20" (500mm)	1	18.5	8.39
24 IN COVER__	24" (600mm)	1	22.0	9.98

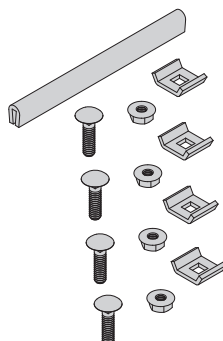


Dividers

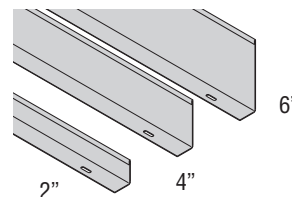
- Allows cable separation within a single tray
- Hemmed/rounded edge provides cable jacket safety
- Hardware included
- Field miter for bends and turns
- Dual slots every 24" (609mm) for field cutting
- Available in 2" (50mm), 4" (100mm) and 6" (150mm) heights
- Comes in 118.125" (3000mm) length
- Finishes __: GS, BLE, 304S, 316S



Dividers include hardware shown below



Part Number	Use With Tray Depth	Qty./Box	Wt./Box	
			lbs.	kg
2 IN DIVIDER__	2" (50mm) Deep	1	3.5	1.59
4 IN DIVIDER__	4" (100mm) Deep	1	9.6	4.35
6 IN DIVIDER__	6" (150mm) Deep	1	14.5	6.58

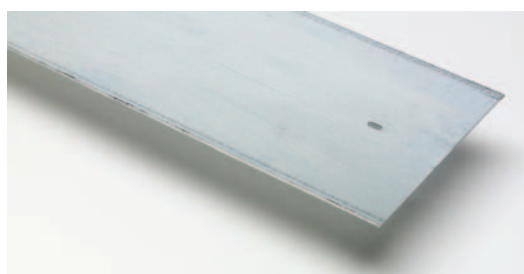


See page - 164 for finish information

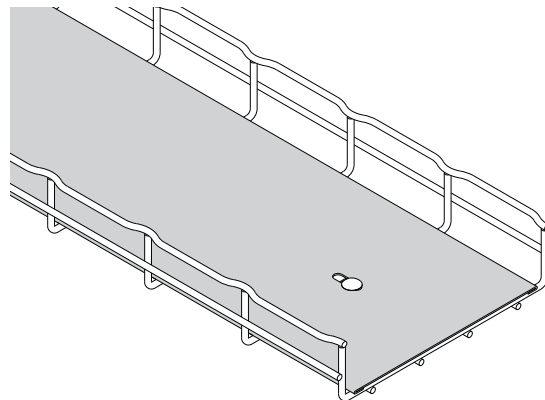
Solid Bottom Inserts

Part Number	Use With Tray Width	Qty./Box	Wt./Box	
			lbs.	kg
INSERT 4X118	4" (100mm)	1	6.8	3.08
INSERT 6X118	6" (150mm)	1	9.8	4.44
INSERT 8X118	8" (200mm)	1	13.3	6.03
INSERT 12X118	12" (300mm)	1	21.6	9.80
INSERT 16X118	16" (400mm)	1	26.4	11.97
INSERT 18X118	18" (450mm)	1	32.4	14.69
INSERT 20X118	20" (500mm)	1	32.9	14.92
INSERT 24X118	24" (600mm)	1	39.3	17.82

Attach with
FTHDWE 1/4" &
Top Washer



- Continuous support for sensitive cables
- Security of cable in high-traffic areas
- Hardware included
- Available for 2" (50mm) to 24" (600mm) wide trays
- Comes in 118" (2997mm) length
- Finishes __: GS, BLE, 304S, 316S



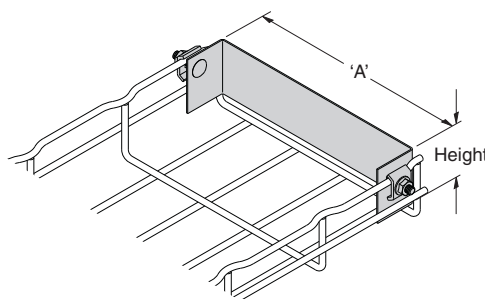
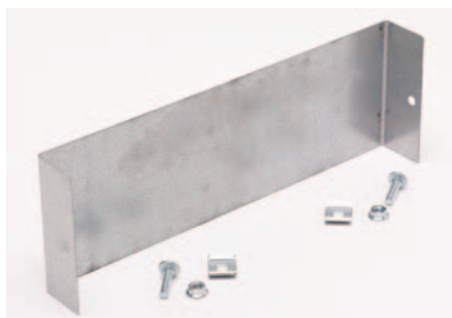
Blind Ends

Part Number	'A'		Height		Box Quantity
	in.	mm	in.	mm	
FT BE 2X2	2"	50	2"	50	1
FT BE (*)X4	4"	100	(*)	(*)	1
FT BE (*)X6	6"	150	(*)	(*)	1
FT BE (**)X8	8"	200	(*)	(*)	1
FT BE (**)X12	12"	300	(**)	(**)	1
FT BE (**)X16	16"	400	(**)	(**)	1
FT BE (**)X18	18"	450	(**)	(**)	1
FT BE (**)X20	20"	500	(**)	(**)	1
FT BE (**)X24	24"	600	(**)	(**)	1

- Forms a closure for a dead-end Flextray
- Hardware included
- Finish: GLV, SS6

(*) Insert: 2 = 2" (50 mm), 4 = 4" (100 mm) for height

(**) Insert: 2 = 2" (50 mm), 4 = 4" (100 mm),
6 = 6" (150 mm) for height

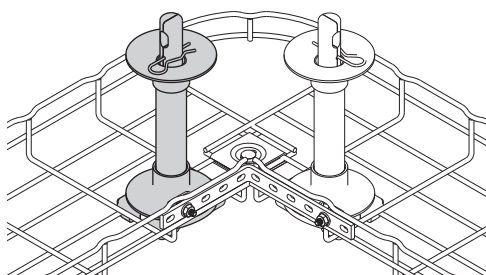


See page - 164 for finish information

Cable Roller

- Protects and maintains recommended cable radii for Cat 5, Cat 5E, Cat 6, Cat 6A, Fiber, etc.
- Height of roller can be adjusted to tray depth
- Installs in seconds with no tools
- Reduces cable installation time
- Prevents migration of cables
- For use with 4" (100mm) to 32" (800mm) tray widths
- Finish: Cast Aluminum

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
CABLE ROLLER	Cable Roller	1	1.0	0.45

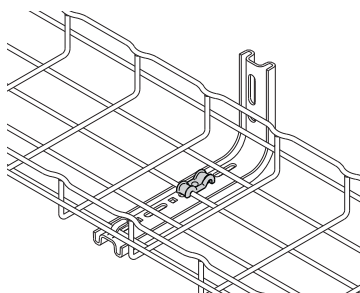


Quick, snap-together design

Toolless Clip

- Securely holds tray to support
- Snap-in locking pin
- No tools or fastening required
- Fastest hold-down method available
- For use with the following:
FTB_CS (see pg. 189)
L BRKT (see pg. 189)
C BRKT (see pg. 193)
- Finish: Plenum rated resin (black)

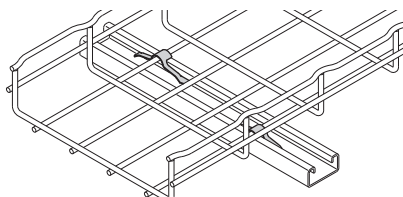
Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
TOOLLESS CLIP	Toolless Hold-Down Clip	50	1.0	0.45



Strut Mounting Clip

- Use to secure Flextray to horizontal strut support
- Designed for use as shown in drawing (no load rating)
- Finish: Black Zinc Phosphate

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
BW4	Strut Mounting Clip	100	0.9	0.41



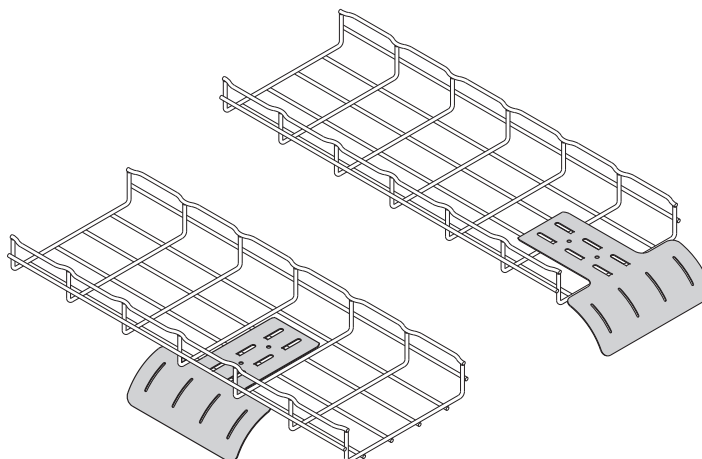
See page - 164 for finish information

Drop Out Fitting

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
DROP OUT__	Drop Out Fitting	1	0.5	0.22



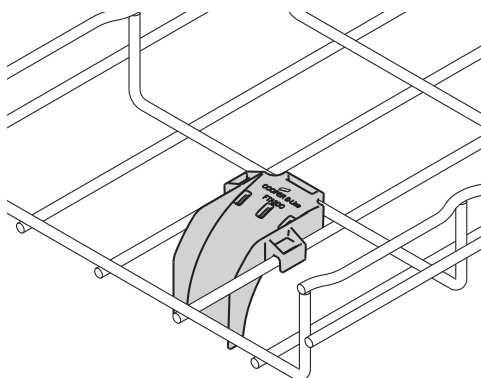
- Keeps cable radius secure at drop point
- For use with 4" (100mm) to 32" (800mm) wide trays
- Attaches to tray without hardware
- Drop outs can be attached at bottom, side or ends of tray
- Hold down tabs on bottom of drop out to secure tray (tabs not available on stainless steel drop out)
- Finishes __: EG, BLE



Cable Drop Out

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
FTA2D0	Cable Drop Out	10	0.17	0.08

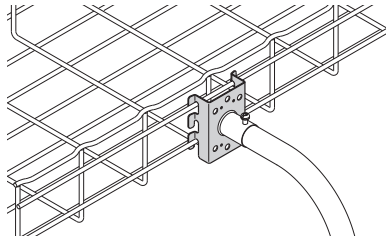
- Non-metallic 2" (50mm) radius Cable Drop-Out snap locks into mesh bottom and protects cables from sharp bend
- Material: Black Plenum-rated Plastic



See page - 164 for finish information

Conduit Connector

- Conduit connector is designed to connect conduit to the side or bottom of Flextray
- Conduit bushing will remain outside of tray to keep cable pathway clear
- Bend tabs to secure connector to tray
- No hardware included
- Finishes __: GLV

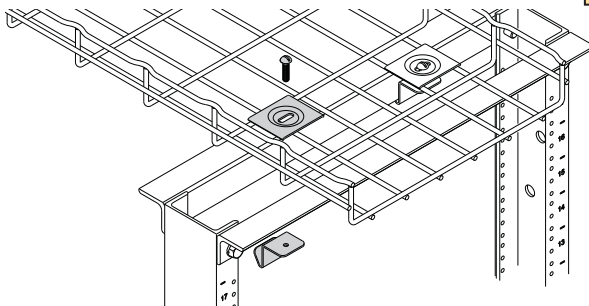


Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
FTA050CC__	1/2" (15mm) Conduit Clip	4	0.8	0.36
FTA075CC__	3/4" (20mm) Conduit Clip	4	1.0	0.45
FTA100CC__	1" (25mm) Conduit Clip	4	1.9	0.86
FTA125CC__	1 1/4" (32mm) Conduit Clip	4	2.6	1.18



Rack Clamp

- Securely holds tray down to rack
- Installs without drilling
- Black-painted finish to match rack
- Finish __: BLE

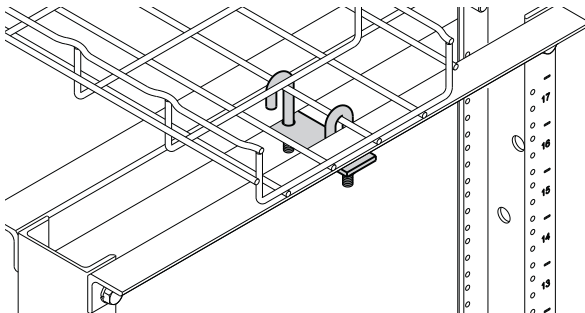


Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
RACK CLAMP__	Rack Clamp	4	4.7	2.13



Adaptor Kit

- Adaptor kit includes all hardware necessary to connect Flextray system to top of relay rack at right angle or parallel position
- Finish __: YZN (Yellow Zinc Chromate)



Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
SB2204__	Adaptor Kit	1	0.37	0.17

Adaptor Kit includes:

- (1) - Mounting Plate
- (2) - 5/16"-18 x 2" "J"-Bolts
- (2) - HN 5/16"-18 Hex Nuts
- (2) - LW 5/16" Lock Washers

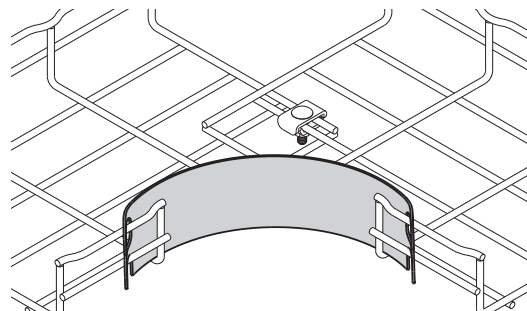
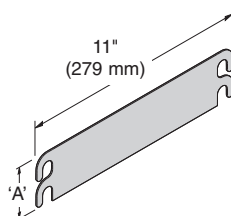


See page - 164 for finish information

Radius Shield

Part Number	Description		Qty./Box	Wt./Box	
	in.	mm		lbs.	kg
FTA2RS	2.5	63	20	7.2	3.2
FTA4RS	4.3	110	20	12.3	5.5
FTA6RS	5.9	150	20	21.6	9.8

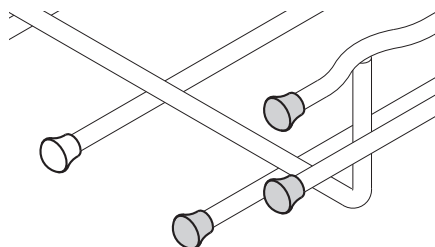
- Provides a smooth inside radius surface.
- No tools or fasteners needed to install.
- Sizes for 2", 4" & 6" deep Flextray; 90° horizontal bends, tees, and crosses.
- Installs in seconds. Simply hold in place and bend back tabs.
- Slick surface to reduce cable friction.
- Material: Black Polycarbonate



Rubber Cap

Part Number	Box Quantity	Wt. Per 100	
		lbs.	kg
B719EB	100	0.20	0.10

- Install on wire ends if required. Fits all wire diameters



Touch-Up Paint

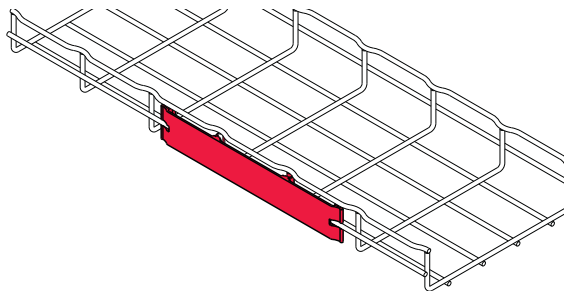
Part Number	Color	Box Quantity	Wt. Per Pc.	
			lbs.	kg
SB420ATG	Gray Lacquer	1	0.9	0.41
SB420AFB	Flat Black Lacquer	1	0.9	0.41
SB420ACW	Computer White Lacquer	1	0.9	0.41
B999	Silver Zinc-Rich Paint	1	0.9	0.41

- Size: 12 ounce aerosol can
- Cannot ship air freight

See page - 164 for finish information

Label Clip

- Clips easily into trays
- Use for identifying your cable pathways
- Can be used on all tray sizes
- Will not fit on side of 1 1/2" deep Flextray
- Finish: Non-plenum-rated resins

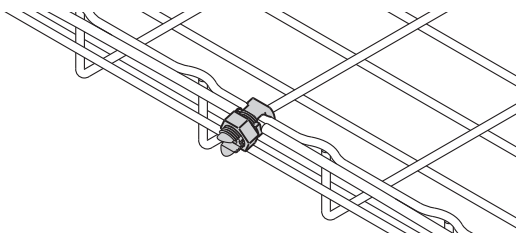


Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
LABEL CLIP	10 1/2" (267mm) Long	10	0.6	0.27



Ground Bolt

- Attaches up to #1 ground wire to each tray section when separate ground wire is required
- Used for UL grounding compliance.
- When using color powder coated finish or paint, coating must be removed at the points of contact.
- Finish: Copper Plated

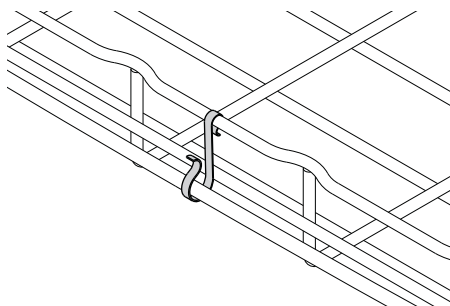


Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
GROUND BOLT	Ground Bolt	1	0.11	0.05



Ground Wire Supports

- Supports ground wire along side of tray
- Can be used on all trays
- Finish: Zinc Plated



Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
GROUND SUPT GL	Ground Wire Support	100	0.6	0.27



See page - 164 for finish information

- Complete source of hardware for ceiling connections
- Available in stock
- Strut can be purchased in pre-cut lengths and various colors
- All hardware is zinc plated

Threaded Rod



Part Number	Size	Qty.	Wt./Qty.	
			lbs.	kg
ATR1/4x72	1/4" x 72" (1828mm)	1	0.7	0.31
ATR1/4x120	1/4" x 120" (3048mm)	1	1.2	0.54
ATR1/4x144	1/4" x 144" (3657mm)	1	1.4	0.63
ATR3/8x72	3/8" x 72" (1828mm)	1	1.7	0.77
ATR3/8x120	3/8" x 120" (3048mm)	1	2.9	1.31
ATR3/8x144	3/8" x 144" (3657mm)	1	3.5	1.58
ATR1/2x72	1/2" x 72" (1828mm)	1	3.2	1.45
ATR1/2x120	1/2" x 120" (3048mm)	1	5.4	2.45
ATR1/2x144	1/2" x 144" (3657mm)	1	6.5	2.95

Rod Couplings



Part Number	Size	Qty.	Wt./Qty.	
			lbs.	kg
B655-1/4	1/4"-20	50	2.0	0.91
B655-3/8	3/8"-16	50	5.5	2.49
B655-1/2	1/2"-13	50	6.0	2.72

Hex Nuts



Part Number	Size	Qty.	Wt./Qty.	
			lbs.	kg
1/4HN	1/4"-20	100	0.6	0.27
3/8HN	3/8"-16	100	1.6	0.72
1/2HN	1/2"-13	100	4.3	1.95

Lock Washers



Part Number	Size	Qty.	Wt./Qty.	
			lbs.	kg
1/4LW	1/4"	200	0.6	0.27
3/8LW	3/8"	200	1.6	0.72
1/2LW	1/2"	200	2.0	0.91

Flat Washers



Part Number	Size	Qty.	Wt./Qty.	
			lbs.	kg
1/4FW	1/4"	200	1.2	0.54
3/8FW	3/8"	200	3.0	1.36
1/2FW	1/2"	200	6.6	2.99

Square Washers



Part Number	Hole Size	Qty.	Wt./Qty.	
			lbs.	kg
B201	7/16"	50	6.0	2.72
B202	9/16"	50	7.0	3.17

Beam Clamps



Part Number	Size	Qty.	Wt./Qty.	
			lbs.	kg
B3036L-3/8	3/8"-16	100	60.0	27.2
B3036L-1/2	1/2"-13	100	140.0	63.5

See page - 164 for finish information

Beam Clamps



Part Number	Size	Qty.	Wt./Qty.	
			lbs.	kg
B444-1/4	1/4"-20	100	160	72.5
B444-3/8	3/8"-16	100	430	195.0
B444-1/2	1/2"-13	100	430	195.0

U-Bolt Clamps



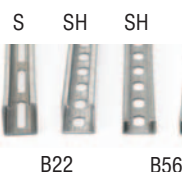
Part Number	Size	Qty.	Wt./Qty.	
			lbs.	kg
B441-22	3/8"-16 x 3 3/8" long	100	160	72.5

Spring Nuts



Part Number	Thread Size	Qty.	Wt./Qty.	
			lbs.	kg
N224	1/4"-20	100	6.5	2.95
N228	3/8"-16	100	9.3	4.22
N225	1/2"-13	100	11.3	5.12

Bolted Framing



Part Number	Channel Size	Qty.	Wt./Qty.	
			lbs.	kg
B22SGALV120	15/8" x 120" - 12 ga.	1	6.0	2.72
B22SHGALV120	15/8" x 120" - 12 ga.	1	6.0	2.72
B56SGALV120	13/16" x 120" - 15 ga.	1	7.0	3.17
B56SHGALV120	13/16" x 120" - 15 ga.	1	6.0	2.72

Concrete Rapid Rod Hanger



Part Number	Rod Size	Shank Size	Qty.	Wt./Qty.	
				lbs.	kg
ARC-37-150	3/8"	1/4" x 1 1/2"	100	3.4	1.54

Wood Rapid Rod Hanger



Part Number	Rod Size	Shank Size	Qty.	Wt./Qty.	
				lbs.	kg
ARW-37-200	3/8"	1/4" x 2"	100	3.4	1.54
ARW-37-200SW	3/8"	1/4" x 2"	100	3.4	1.54

SW = Side Mount

Steel Rapid Rod Hanger



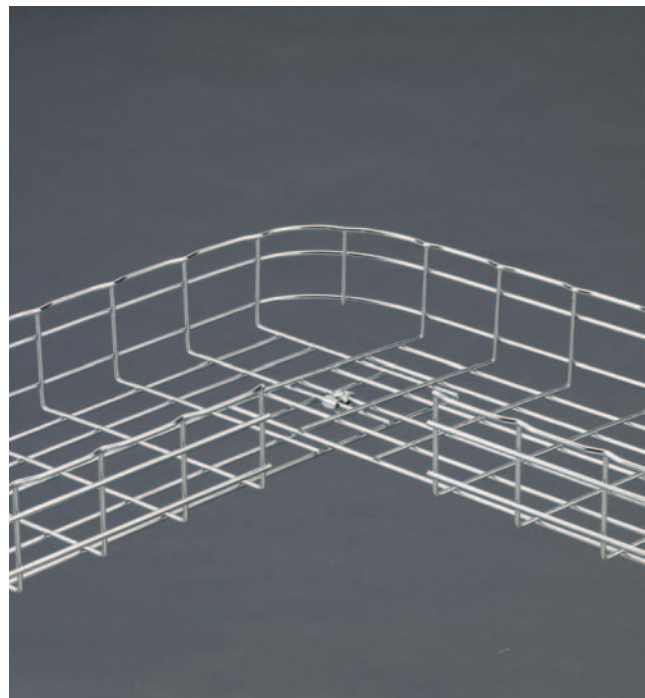
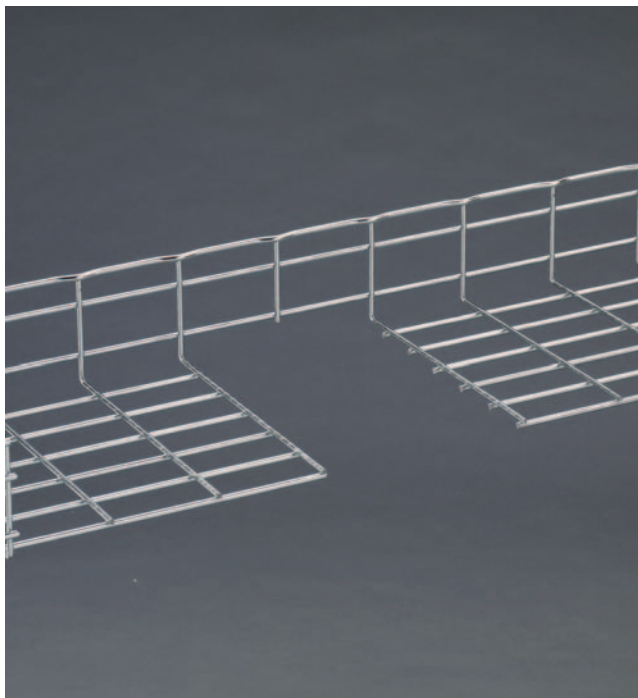
Part Number	Rod Size	Shank Size	Qty.	Wt./Qty.	
				lbs.	kg
ARS-37-150	3/8"	1/4" x 1 1/2"	100	3.4	1.54
ARS-37-150SW	3/8"	1/4" x 1"	100	3.4	1.54

SW = Side Mount

Sockets for Rapid Rod Hangers

Part Number	Hole Size	Qty.	Wt./Qty.	
			lbs.	kg
7187	Universal Steel & Wood Socket	1	4.5	2.04
7197	3/8" Concrete Socket	1	4.5	2.04

See page - 164 for finish information



Flextray Cutters



Patented

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
CLEANSHEAR	Cleanshear™ Cutting Tool	1	4.3	1.95

- Exclusive, patented Cleanshear cuts tray fast
- No sharp edges
- Designed specifically for cutting Flextray
- Safely cut and bend Flextray into any configuration



1 Face tray up. Slide cutter next to vertical wire and cut.



2 Turn tray to the side with open side facing you. Repeat step 1 to cut wire.



3 Finish cutting all side wires.



4 Turn tray open-side down and cut wires from bottom of tray.

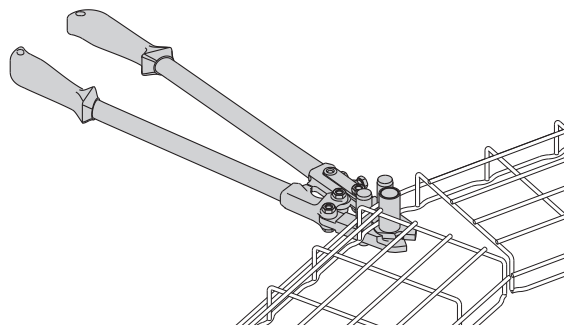


5 Finish cutting by moving to other side of tray to cut remaining wires,

Flextray Bender

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
CLEANSHEAR BEND	Cleanshear Cutting Tool With Bender Attachment	1	5.4	2.45

- Cleanshear™ Bender has our exclusive bending attachment
- Makes bending larger trays easy
- Recommended for bending tray widths of 16" (400mm) or greater

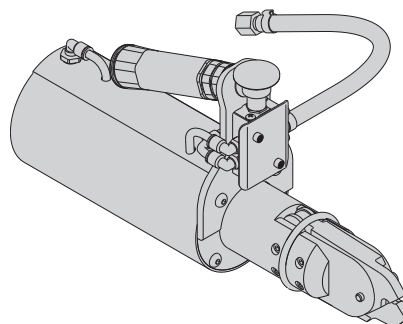


Patented

Airshear Cutter

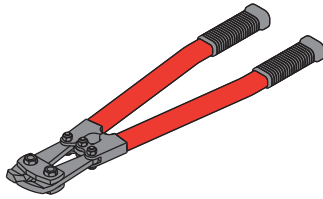
Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
AIRSHEAR	Pneumatic Cleanshear Cutting Tool	1	9.0	4.08

- Fastest wire mesh cutter available
- 57% time savings over regular Cleanshear
- Airshear is available when you have a large project to install. Call us for details.

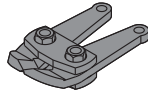


Patented

Angular Bolt Cutter



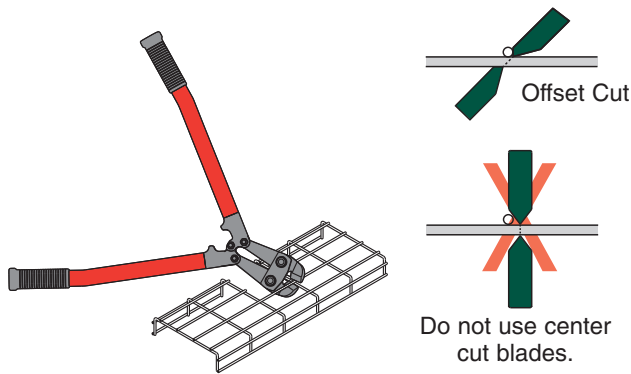
WB30BC
Angular Bolt Cutter



WB30RB
Replacement Blade

Part Number	Description	Qty./Box	Wt./Box	
			lbs.	kg
WB30BC	Bolt Cutter	1	6.8	3.1
WB30RB	Replacement Blade	1	1.3	0.6

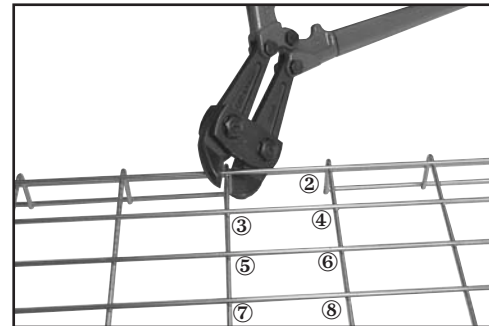
Completely adaptable, Cooper B-Line's Flextray is designed to accommodate jobsite changes. Cut wires with Cooper B-Line's Angular Bolt Cutter, bend to create a bend, tee, or reducer.



For the best results, use a WB30BC Angular Blade Offset Bolt Cutter with 24" (600 mm) long handles. The Offset Blade Cutter produces a clean cut. Position bolt cutter blades near the cross wire and perpendicular to wire to be cut (see illustration above). Proper cut will make the assembly faster, easier and safer while minimizing grinding.

Cut and remove each wire as illustrated below. Follow cutting pattern and blade positioning. Placing Flextray open side down provides the optimum cutting angle.

Cutting Order



Part Number	Length		Wt. Per Cutter		Box Quantity
	in.	mm	lbs.	kg	
WB50WC	12 ³ / ₄ "	325	3.0	1.3	1

Part Number	Description	Box Quantity
WB50RB	Replacement Blade	1
WB50BA	Replacement Battery	1

The Greenlee cable wire cutter makes flush cuts without burrs. Will cut .191" diameter wire in 2 seconds. Cutting head rotates 330° for ease of positioning and the tool automatically retracts when cut is complete. Comes with 2 batteries, charger, and carrying case. Approximately 250 cuts per charge.

Grounding Accessories



Grounding Accessories

Cooper B-Line is pleased to offer a total grounding system for your equipment support infrastructure. These products are designed for use in comm/data and telecommunications rooms to maintain compliance with EIA/TIA standards.

Many of the products in this section are available both as a convenient kit or individually, in case the contractor already has attachment hardware. Kits are designed to be ordered as one kit per rack, allowing for simplified stocking and reordering. Solutions for grounding within raised floors are also available.

<u>Material:</u>	<u>Type</u>	<u>Thickness</u>	<u>Specifications</u>
	Copper Bar	 as shown on pages	ASTM 187 / 187M-06

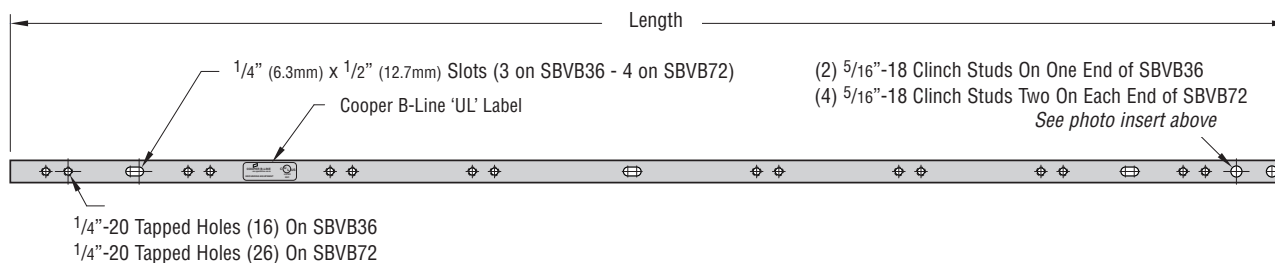
Standard Conformance:
ANSI / TIA / EIA 607
UL File Number E184155

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Vertical Rack Ground Bar & Kits

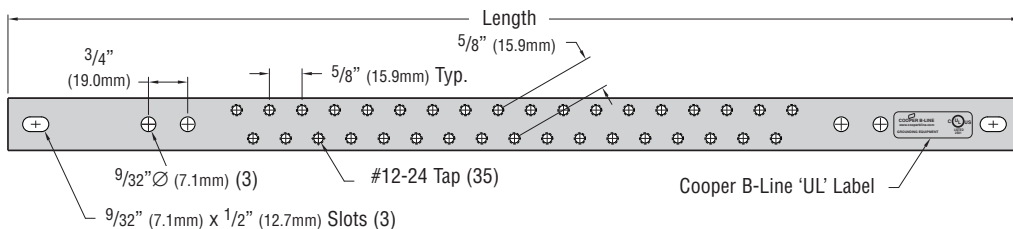
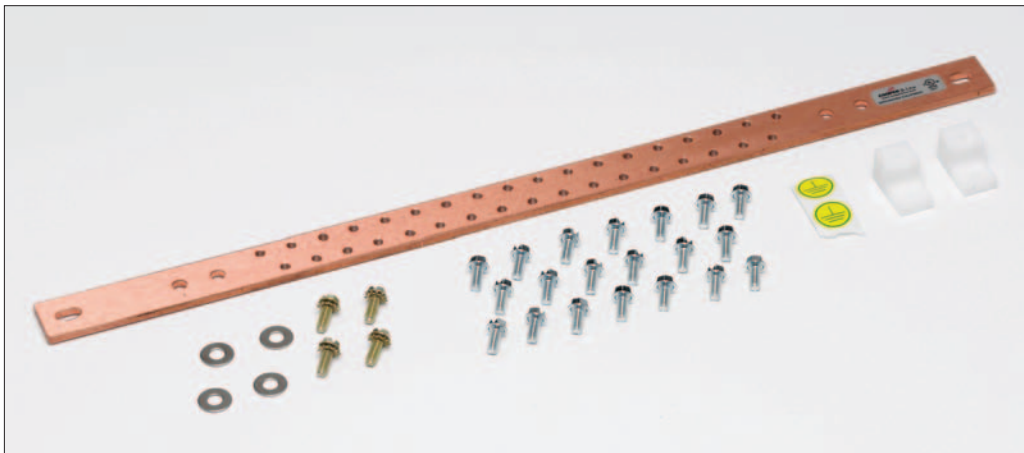
- Provides a vertical ground path between equipment mounted on the rack
- Typically used on 2-post or 4-post racks
- Blank end and studded end can be attached together to splice bars
- Isolators may be used to separate bar from rack (or omitted depending on application grounding scheme)
- Kit includes
 - 1 - Vertical rack ground bar
 - 3 - Insulators
 - 1 - #2 compression lug
 - 8 - 1/4"-20 x 1/2" (12.7mm) SS4 hex bolts & lock washers
 - 4 - 5/16"-18 SS4 hex nut & lock washers
 - 3 - #12-24 x 5/8" (15.9mm) yellow zinc hex washer bolts
- Material: 1/4" (6.3mm) x 5/8" (15.9mm) copper bar



Part Number	Includes	Length		Wt./Ea.	
		in.	(mm)	lbs.	(kg)
SBVB36	Ground Bar Only	36"	(914)	2.0	(0.91)
SBVB36K	Bar & Hardware Kit	36"	(914)	2.2	(1.00)
SBVB72	Ground Bar Only	72"	(1828)	3.7	(1.69)
SBVB72K	Bar & Hardware Kit	72"	(1828)	3.9	(1.77)

Horizontal Rack Ground Bar Kit

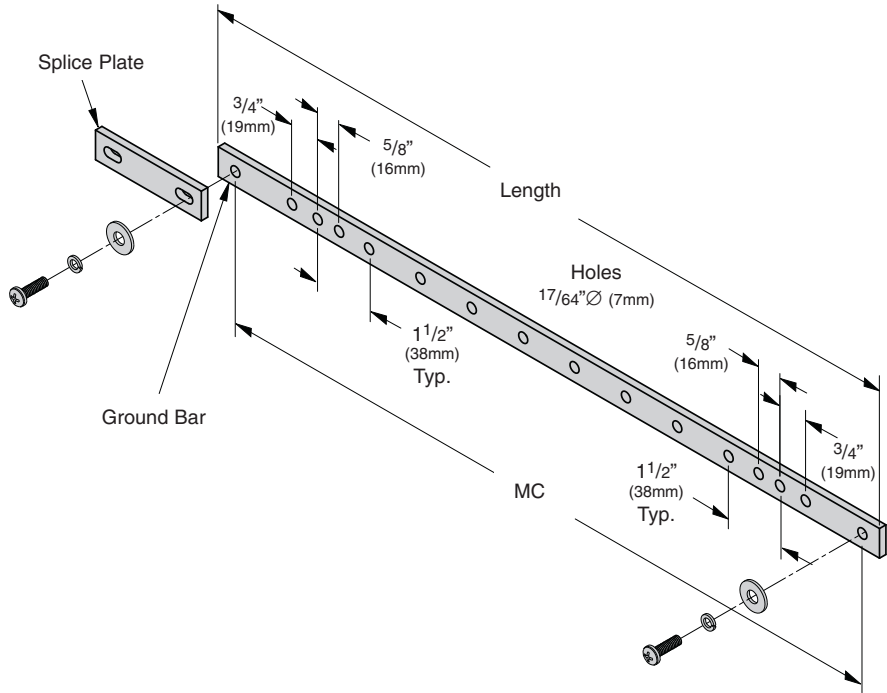
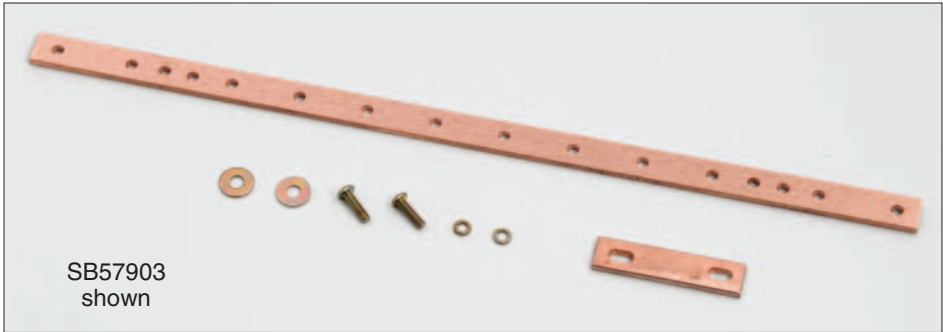
- Used to consolidate grounds on the equipment rack
- Typically used on 2-post or 4-post racks
- Isolators may be used to separate bar from rack (or omitted depending on application grounding scheme)
- Kit includes
 - 1 - Horizontal rack ground bar
 - 2 - White insulators
 - 4 - #12-24 x 5/8" (15.9mm) zinc plated screws & flat washers
 - 20 - #12-24 x 1/2" (12.7mm) zinc plated screws
 - 2 - Ground labels
- Material: 3/16" (4.7mm) x 1" (25.4mm) copper bar



Part Number	Rack Width		Includes	Length		Wt./Ea.	
	in.	(mm)		in.	(mm)	lbs.	(kg)
SBHB119K	19"	(482)	Bar & Hardware Kit	19 3/8"	(492)	3.0	(1.36)

Universal Ground Bar

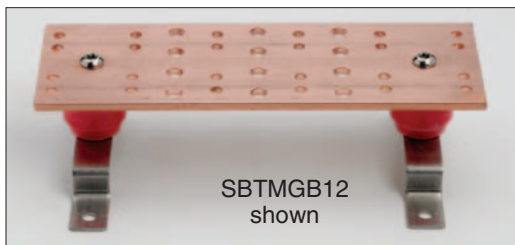
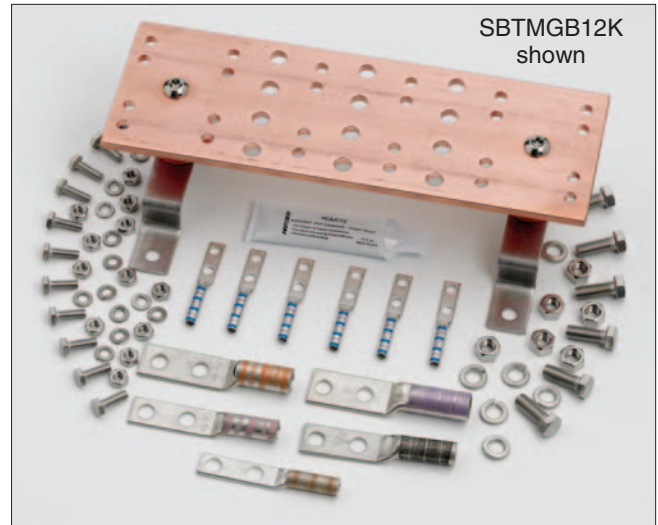
- Used as a rack mounted equipment grounding bus
- Kit includes
 - 1 - Ground bar
 - 1 - Splice plate
 - 2 - #12-24 x 3/4" (19.0mm) yellow zinc plated screws
 - 2 - #12 yellow zinc plated lock washers
 - 2 - 1/4" yellow zinc plated flat washers
- Material: 3/16" (4.7mm) x 3/4" (19.0mm) copper bar



Part Number	Rack Width		Length (overall)		MC (mtg. centers)		Holes	Wt./Ea.	
	in.	(mm)	in.	(mm)	in.	(mm)		lbs.	(kg)
SB57903	19"	(482)	19 ⁵ / ₁₆ "	(490)	18 ⁵ / ₁₆ "	(465)	16	1.0	(0.04)
SB57904	23"	(584)	23 ⁵ / ₁₆ "	(592)	22 ⁵ / ₁₆ "	(567)	18	1.2	(0.05)

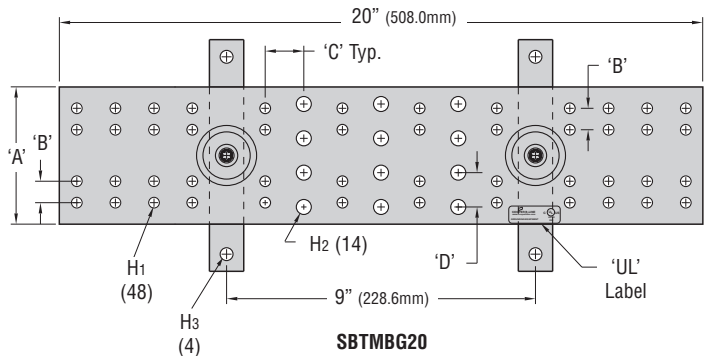
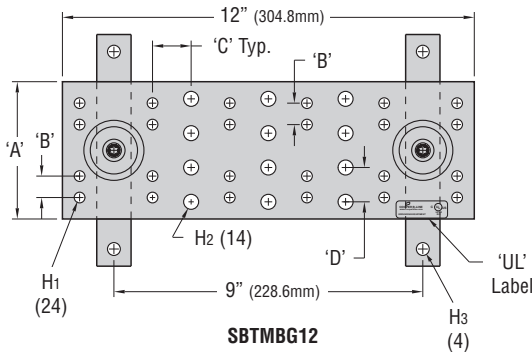
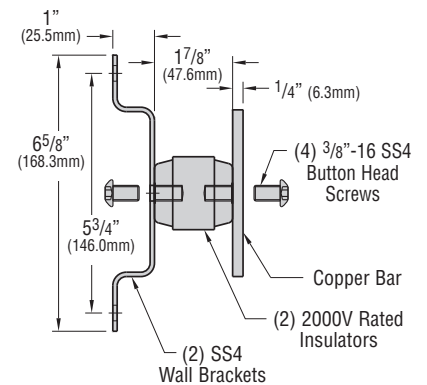
Telecommunications Main Grounding Bar

- Used as a central consolidation point for telecommunications and other low voltage systems within the room
- Typically located on wall or entry room where exterior ground enters building
- Kit includes
 - 1 - Grounding bar assembly
 - 6 - #6 compression lugs
 - 1 each - #2, 1/0, 2/0, 3/0 compression lugs
 - 12 each - 1/4"-20 x 3/4" (19.0mm) SS4 hex bolts, hex nuts & lock washers
 - 6 each - 3/8"-16 x 1" (25.4mm) SS4 hex bolts, hex nuts & lock washers



Dimensional Data

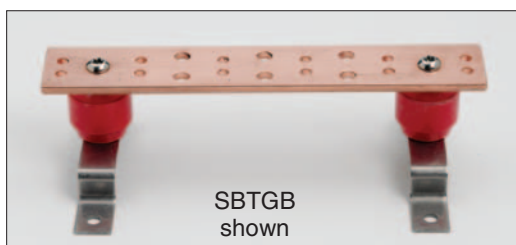
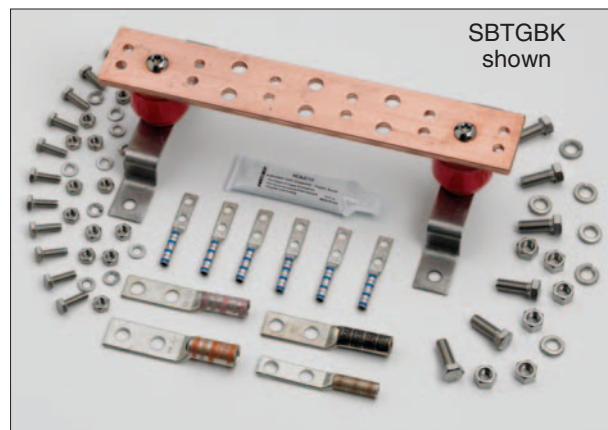
A = 4" (101.6mm)
 B = 5/8" (15.8mm)
 C = 1 1/4" (31.7mm)
 D = 1" (25.4mm)
 H1 = 5/16" Ø (7.9mm)
 H2 = 7/16" Ø (11.1mm)
 H3 = 3/8" Ø (9.5mm)



Part Number	Includes	Length		Wt./Ea.	
		in.	(mm)	lbs.	(kg)
SBTMGB12	Grounding Bar Assy	12"	(305)	4.7	(2.13)
SBTMGB12K	Bar Assy & Hardware Kit	12"	(305)	7.7	(3.49)
SBTMGB20	Grounding Bar Assy	20"	(508)	7.1	(3.22)
SBTMGB20K	Bar Assy & Hardware Kit	20"	(508)	10.1	(4.58)

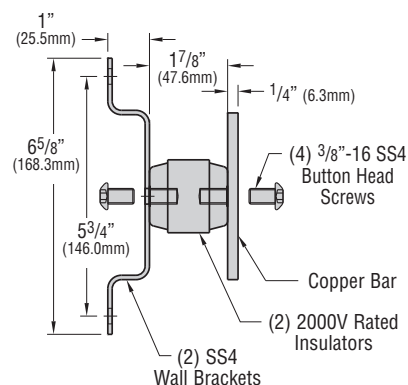
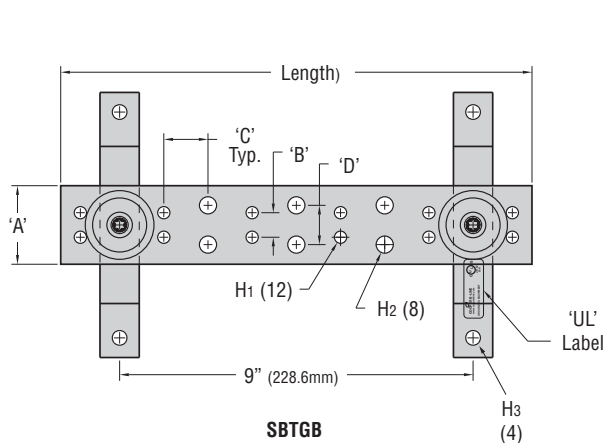
Telecommunications Grounding Bar Kit

- Provides a common grounding point within the telecommunications room
- Typically is located on wall of data room
- Kit includes
 - 1 - Grounding bar assembly
 - 6 - #6 compression lugs
 - 1 each - #2, 1/0, 2/0, 3/0 compression lugs
 - 12 each - 1/4"-20 x 3/4" (19.0mm) SS4 hex bolts, hex nuts & lock washers
 - 6 each - 3/8"-16 x 1" (25.4mm) SS4 hex bolts, hex nuts & lock washers
- Material: Copper bar & SS4 wall brackets



Dimensional Data

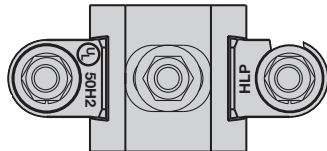
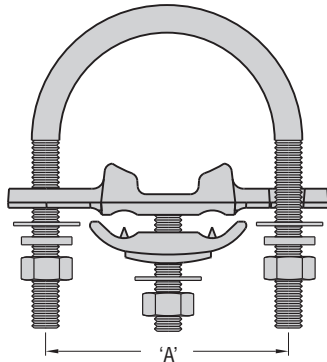
A = 2" (50.8mm)
 B = 5/8" (15.8mm)
 C = 1 1/4" (31.7mm)
 D = 1" (25.4mm)
 H1 = 5/16" Ø (7.9mm)
 H2 = 7/16" Ø (11.1mm)
 H3 = 3/8" Ø (9.5mm)



Part Number	Includes	Length		Wt./Ea.	
		in.	(mm)	lbs.	(kg)
SBTGB	Grounding Bar Assy	12"	(305)	2.91	(1.32)
SBTGBK	Bar & Hardware Kit	12"	(305)	4.91	(2.23)

Ground Rod / Pipe Clamps

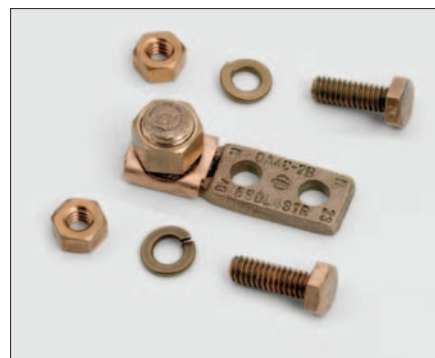
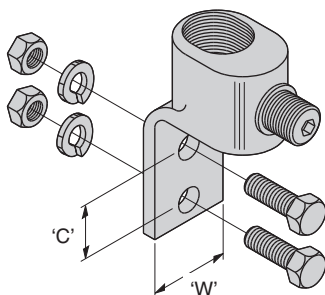
- Used to attach ground wire to raised floor pedestals
- Ground wire system inside floor can be used to ground Flextray™ F.A.S.T. System trays
- Sized for ground wires 6 AWG stranded through 250MCM
- 5/16" hardware included
- Material: SS4 U-bolt and hardware - tinned bronze casting



Part Number	Pipe Size (nominal)		A		Wt./Ea.	
	in.	(mm)	in.	(mm)	lbs.	(kg)
SBPC050075	1/2" - 3/4"	(15 - 20)	1.57"	(39.9)	0.47	(0.21)
SBPC100125	1" - 1 1/4"	(25 - 32)	2.03"	(51.5)	0.79	(0.36)
SBPC150200	1 1/2" - 2"	(40 - 50)	2.75"	(69.8)	0.75	(0.34)
SBPC250300	2 1/2" - 3"	(65 - 80)	3.87"	(98.3)	0.95	(0.43)
SBPC350400	3 1/2" - 4"	(90 - 100)	4.87"	(123.7)	1.21	(0.55)
SBPC500600	5" - 6"	(125 - 150)	7.00"	(177.8)	1.70	(0.77)

Two-Hole Mechanical Lug

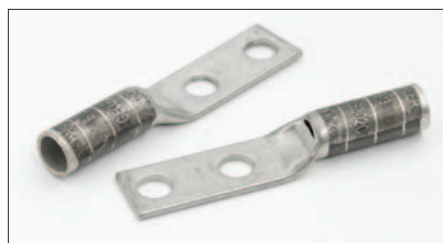
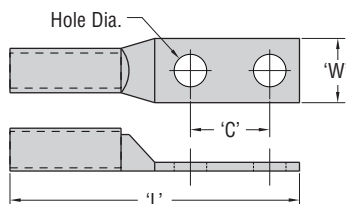
- Use for connection of electric wire to grounding bus
- Setscrew may be either allen head or hex head
- Includes: silicon bronze hardware
- Additional sizes available
- Sold individually
- Material: Copper alloy



Part Number	Wire Size	'C'		'W'		Bolt Size	Wt./Ea.	
		in.	(mm)	in.	(mm)		Lbs.	(kg)
SB47801	#14 to #8	5/8"	(16)	1/2"	(13)	#10-24	0.05	(0.02)
SB47802	#8 to #4	5/8"	(16)	1/2"	(13)	1/4"-20	0.07	(0.03)
SB47803	#4 to #1	3/4"	(19)	5/8"	(16)	1/4"-20	0.14	(0.06)
SB47804	#1 to 2/0	1"	(25)	13/16"	(20)	3/8"-16	0.23	(0.10)

Compression Lugs (Long Barrel)

- Use for connection of electric grounding wire to grounding bus
- Sold in package of 10 pcs.
- Material: Tinned Copper

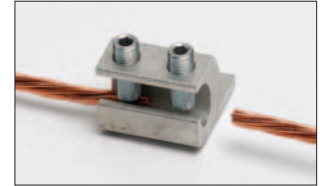
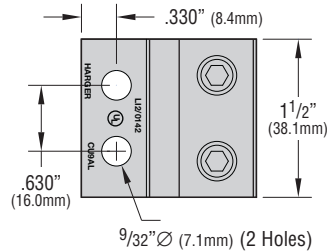
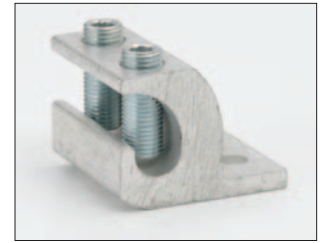
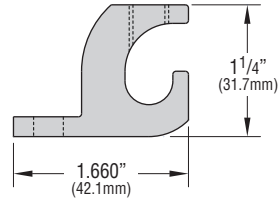


Part Number	Lug Size & # of Holes	Hole Dia.		'W'		'L'		'C'		Wt./Pkg.	
		in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	lbs.	(kg)
SBCL 1	2/0 - 2 Hole	13/32"	(10.3)	13/16"	(20.6)	3 21/32"	(92.8)	1"	(25.4)	6.0	(2.72)
SBCL 2	2/0 - 2 Hole	17/32"	(13.5)	13/16"	(20.6)	4 7/8"	(123.8)	1 3/4"	(44.4)	14.0	(6.35)
SBCL 3	3/0 - 2 Hole	9/16"	(14.3)	15/16"	(23.8)	3 3/4"	(95.2)	1"	(25.4)	20.0	(9.07)
SBCL 4	4/0 - 2 Hole	9/16"	(14.3)	1"	(25.4)	3 29/32"	(99.2)	1"	(25.4)	20.0	(9.07)

Lay-In Lug

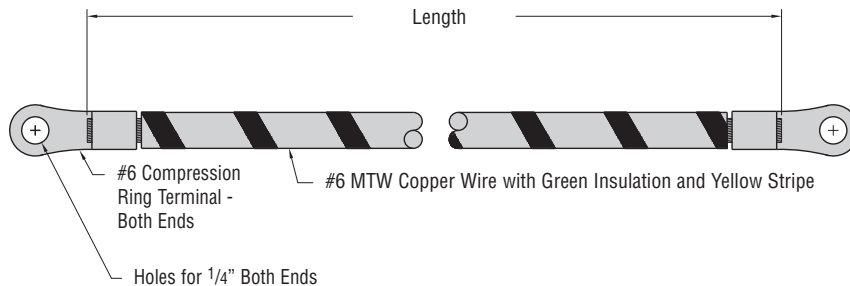
- Used to attach ground wires to racks or cabinets
- Sold in package of 10 pcs.
- Setscrews (2): 3/8"-24 Hex Head Oval Point
- Material: Aluminum - tin plated

Part Number	Lug Size	Wt./Pkg.	
		lbs.	(kg)
SBLL 1	2/0 - #14AWG	2.40	(1.09)



Unit Bonding Conductor

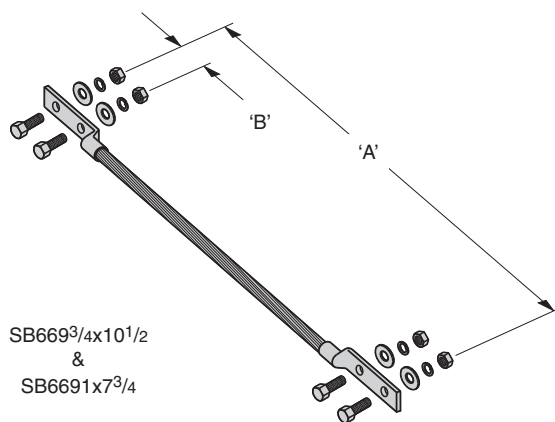
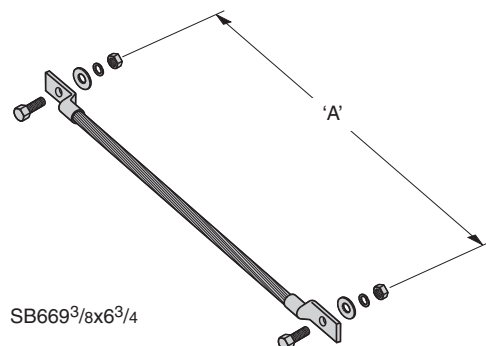
- Used to bond electronic equipment to vertical or horizontal rack mount busbars
- Sold in packages of 5 with aluminum joint compound
- Material: Copper wire



Part Number	Length		Wt./Ea.	
	in.	(mm)	lbs.	(kg)
SBUBC614K	14"	(355)	1.45	(0.66)
SBUBC618K	18"	(457)	1.45	(0.66)
SBUBC632K	32"	(813)	2.54	(1.15)

Grounding Strap

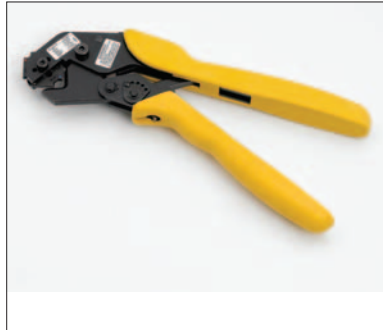
- Use to provide grounding path
- SB669^{3/4}x10^{1/2} and SB6691x7^{3/4} includes: (1) cable with crimped lugs and 1/4"-20 hardware
- SB669^{3/8}x6^{3/4} includes: (1) cable with crimped lugs and 3/8"-16 hardware
- Material: #6 flexible tin plated copper wire



Part Number	'A'		'B'		Wt./Ea.	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB669 ^{3/4} x10 ^{1/2}	10 ^{1/2} "	(267)	3/4"	(19)	.36	(0.16)
SB6691x7 ^{3/4}	7 ^{3/4} "	(197)	1"	(25)	.27	(0.12)
SB669 ^{3/8} x6 ^{3/4}	6 ^{3/4} "	(171)	N/A	N/A	.20	(0.09)

Crimp Tool

- Used to attach ground lugs to electrical wire
- Sold per piece
- 10¹/₂" (266mm) in length



Part Number	Wt./Ea.	
	lbs.	(kg)
SBTCR	2.00	(0.91)

Dieless Compression Tool

- Used to attach ground lugs to electrical wire
- Sold per piece
- 24" (609mm) in length



Part Number	Wt./Ea.	
	lbs.	(kg)
SBTCO	5.00	(2.27)

Joint Compound

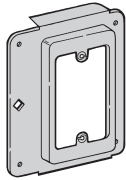
19" Panel Mounting - Customer Premise

- Improves electrical continuity at a grounding or bonding connection
- Sold in packages of 12
- 1/2 ounce per package

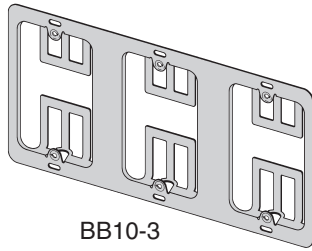
Part Number	Material	Wt./Pkg.	
		lbs.	(kg)
SBJCA	Aluminum	0.37	(0.17)
SBJCC	Copper	0.37	(0.17)



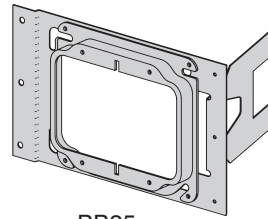
Spring Steel Fasteners



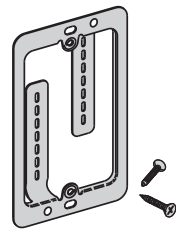
BB15



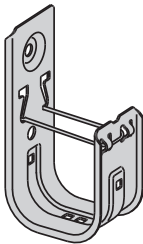
BB10-3



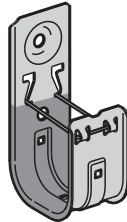
BB25



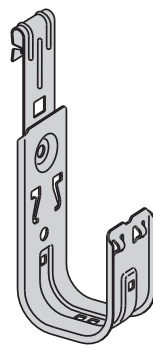
BB10L



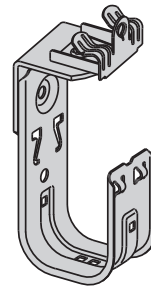
BCH32



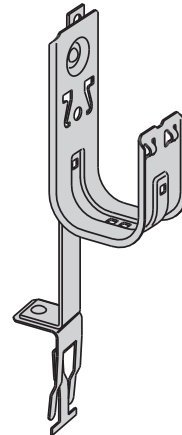
BCH32X



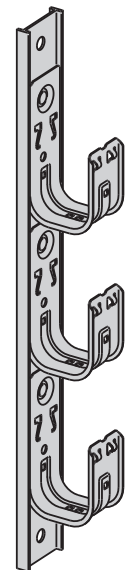
BCH32-F3 KIT



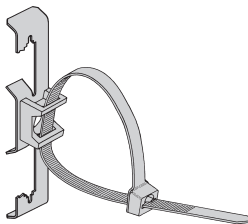
BCH32-U-5-8



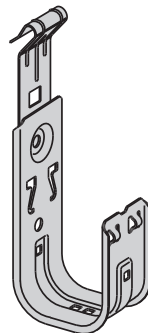
BCH32-A28



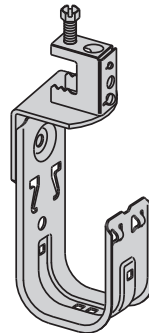
BCH32-3S



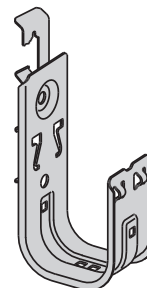
BW2-CT2



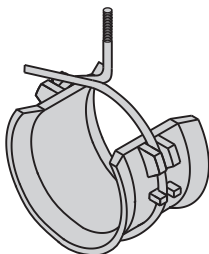
BCH32-F4



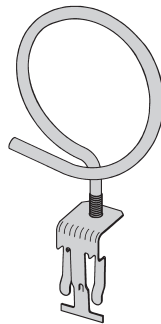
BCH32-C2



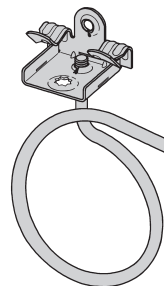
BCH32-W2



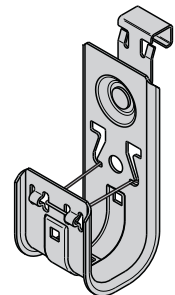
BRS-32A



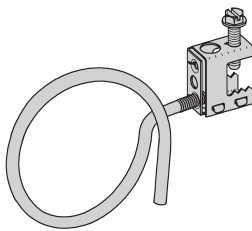
BCH-32-4T-A6



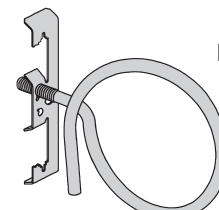
BR-32-4T-U-5-8



BCH32-SC4



BCH-32-4T-C1



BR-32-4T-W2

Spring Steel Fasteners

Cooper B-Line spring steel fasteners offer unmatched quality and durability. Our fasteners are made of steel and are designed to provide superior strength and ease of installation.

The complete line of fasteners available from Cooper B-Line ensures that we have the ideal product for your application.

Choose Cooper B-Line fasteners for superior design and top-quality manufacturing.

Material:	Type	Thickness	Specifications
	Pre-Galvanized Steel		ASTM A653
	Electrolytic Zinc Coated Steel		ASTM A591
	High Carbon Cold Rolled Steel		ASTM A684, AISI 1055
	Stainless Steel		AISI Type 304

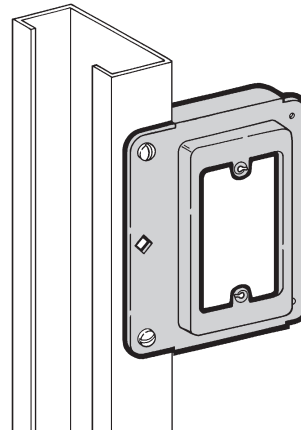
Finishes:		
	Pre-Galvanized	ASTM A653
	Electro-Galvanized Zinc	ASTM B633 SC3
	Zinc Phosphate.	MIL-P-16232 Type Z

Table of Contents

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Cover Plate Mounting Bracket

- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone, and security
- Locates communication outlets before drywall is installed
- Attaches to metal studs with screws (not included)
- Replaces electrical box in Class 2 low voltage installations
- For 1/2" (12.7mm) and 5/8" (15.9mm) drywall applications
- Finish: Pre-galvanized
- Box Quantity - 25



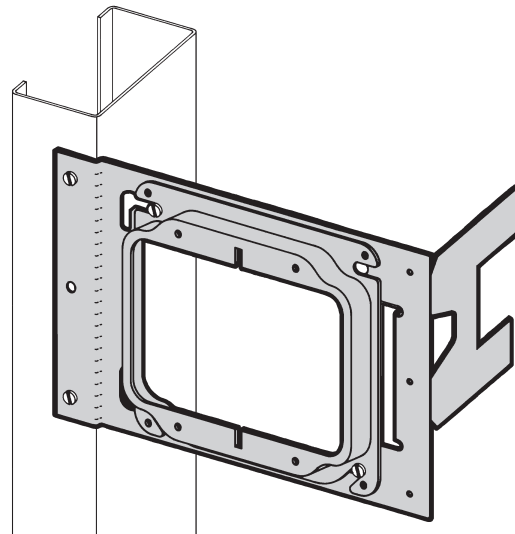
Part Number	Wt. Per 100	
	Lbs.	(kg)
BB15	13.8	(6.2)



Popular Bee List item

Cover Plate Mounting Bracket

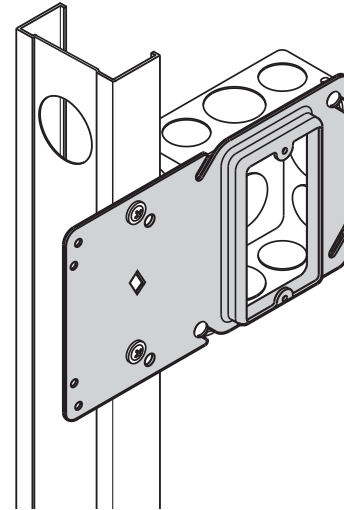
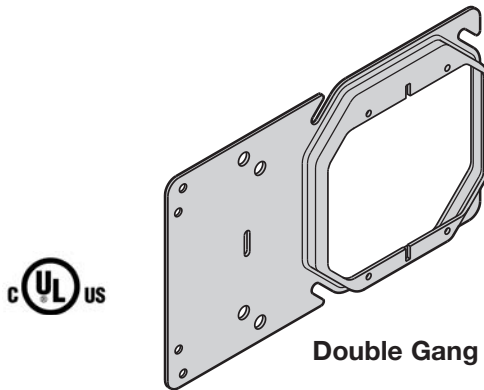
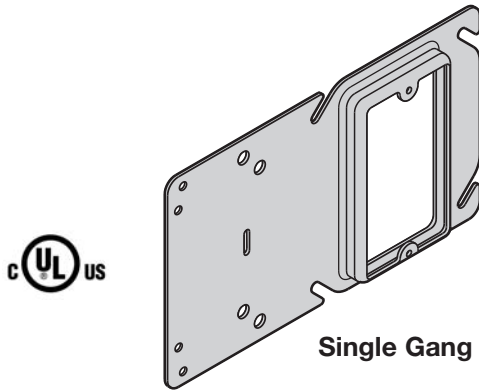
- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone, and security
- Locates communication outlets before drywall is installed
- Attaches to metal studs with screws (not included)
- Heavy-duty double gang design with far side support
- Finish: Pre-galvanized
- Box Quantity - 25



Part Number	Drywall Thickness		Wt. Per 100	
	In.	(mm)	Lbs.	(kg)
BB423-208	1/2"	(13)	32.0	(14.5)
BB423-210	5/8"	(16)	35.2	(15.9)

Uni-Mount™ Box Support/Cover Plate Mounting Brackets

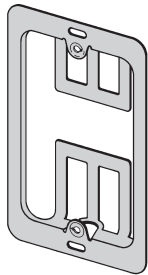
- Uni-Mount™ offers a secure box support for 4" square boxes and features a built-in plaster ring
- Rigid bracket design eliminates the need for far-side support
- Replaces electrical boxes in Class 2 low voltage installations
- Guide tabs ensure consistent alignment on studs
- Finish: Pre-galvanized
- Box Quantity - 50



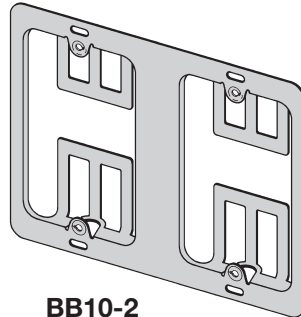
Part Number	Description	Wt. Per 100	
		Lbs.	(kg)
Single Gang			
BB40-8	1/2" Raise	46.0	(20.8)
BB40-10	5/8" Raise	46.0	(20.8)
BB40-12	3/4" Raise	50.0	(22.7)
Double Gang			
BB45-8	1/2" Raise	38.0	(17.2)
BB45-10	5/8" Raise	39.2	(17.8)
BB45-12	3/4" Raise	40.4	(18.3)

Cover Plate Mounting Brackets

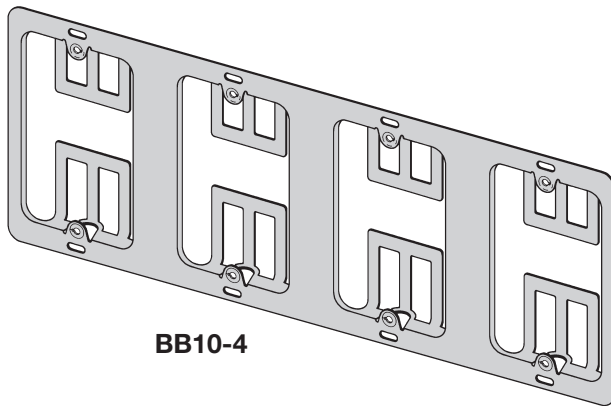
- Replaces electrical box in Class 2 low voltage installations
- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security
- New BB10 series design accepts Decora®* style cover plates
- Maximum 1 1/4" (31.7mm) drywall thickness
- Finish: Pre-galvanized
- Box Quantity: BB10 - 50
All Others - 10



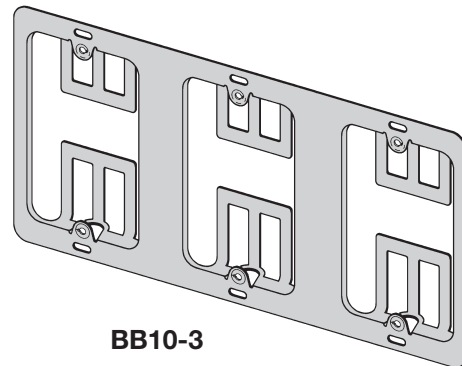
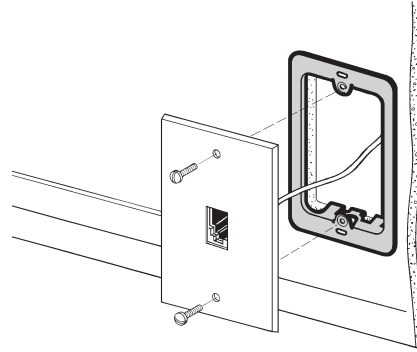
BB10



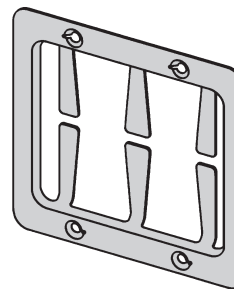
BB10-2



BB10-4



BB10-3



BB20

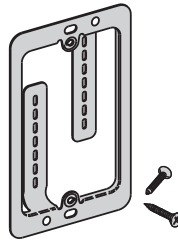
Part Number	Description	Wt. Per Pc.	
		Lbs.	(kg)
BB10	Single Gang Bracket	6.8	(3.1)
BB10-2	Mounts 2 Single Plates	14.0	(6.3)
BB10-3	Mounts 3 Single Plates	21.0	(9.5)
BB10-4	Mounts 4 Single Plates	28.0	(12.7)
BB20	Double Gang Bracket	8.0	(3.6)



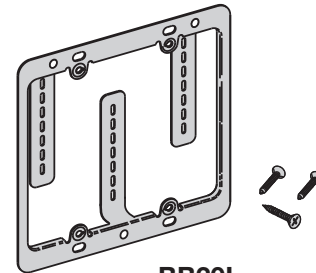
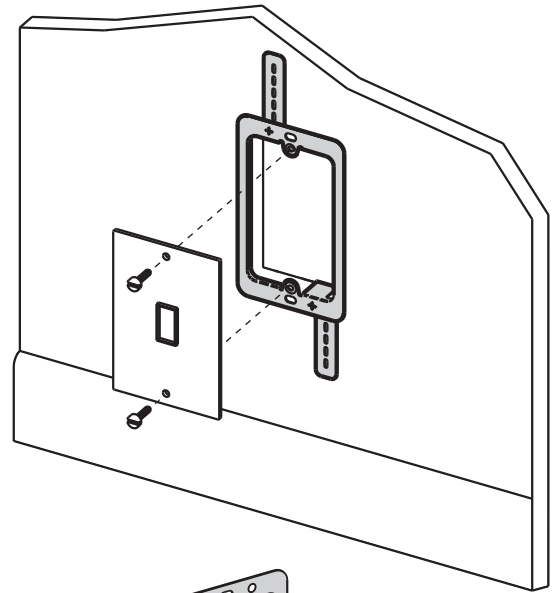
Popular Bee List item

Cover Plate Mounting Brackets

- Replaces electrical box in Class 2 low voltage installations
- Provides attachment base for low voltage outlets: antenna, audio, computer, telephone and security
- Provides rigid support when installed with screws that are provided
- Maximum 1 1/4" (31.7mm) drywall thickness
- Finish: Pre-galvanized
- Box Quantity - 50



BB10L



BB20L

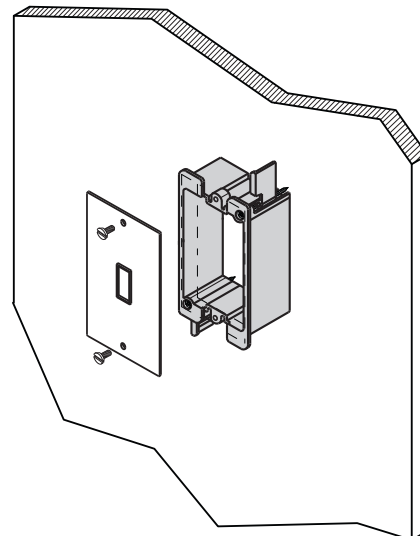
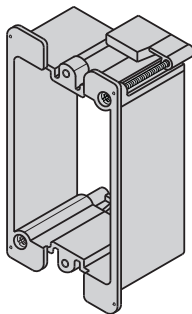
Part Number	Description	Wt. Per Pc.	
		Lbs.	(kg)
BB10L	Single Gang Bracket	7.6	(3.4)
BB20L	Double Gang Bracket	10.4	(4.7)



Popular Bee List item

Plastic Cover Plate Mounting Bracket

- Provides attachment base for low voltage outlets
- Replaces electrical box in Class 2 low voltage installations
- Design eliminates sharp edges from bracket
- Maximum wall thickness: 3/4" (19.0mm)
- Box Quantity - 50



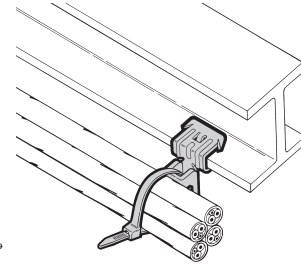
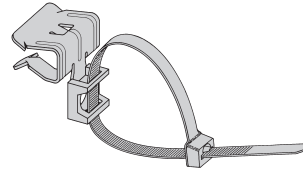
Part Number	Wt. Per 100	
	Lbs.	(kg)
BB10P	6.0	(2.7)



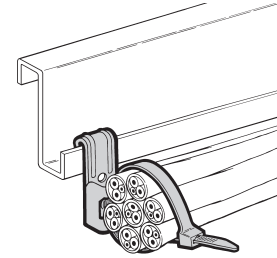
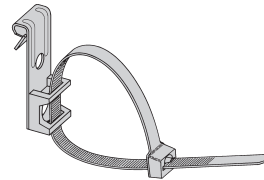
Popular Bee List item

Cable Fasteners

- Supports cable ties up to $\frac{9}{32}$ " (7.1mm) wide from flanges $\frac{1}{16}$ " (1.6mm) to $\frac{3}{4}$ " (19.0mm)
- Designed for securing communications cables
- 8" (203mm) cable tie included
- Simply installed with a hammer
- Finish: Zinc Phosphate
- Box Quantity - 100



BE-__-__-CT2

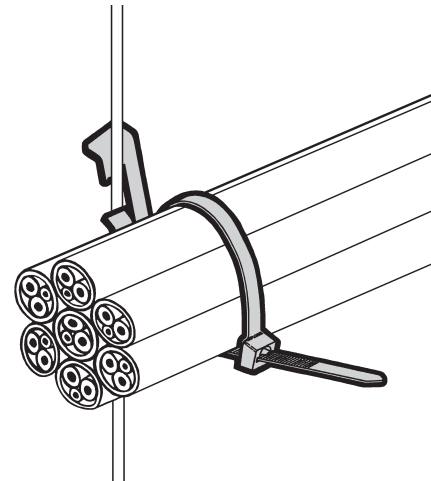
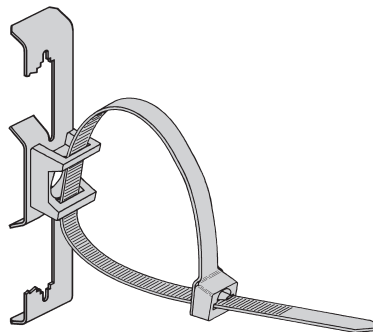


BF__-CT2

Part Number	Description		Wt. Per 100 Lbs. (kg)	
BE-2-4-CT2	$\frac{1}{8}$ " to $\frac{1}{4}$ "	(3.2 to 6.3)	4.4	(2.0)
BE-5-8-CT2	$\frac{5}{16}$ " to $\frac{1}{2}$ "	(7.9 to 12.7)	4.8	(2.2)
BE-9-12-CT2	$\frac{5}{16}$ " to $\frac{1}{2}$ "	(7.9 to 12.7)	5.4	(2.4)
BF1-CT2	$\frac{1}{16}$ " to $\frac{5}{32}$ "	(1.6 to 3.9)	3.6	(1.6)
BF2-CT2	$\frac{5}{32}$ " to $\frac{1}{4}$ "	(3.9 to 6.3)	3.6	(1.6)

Cable Fasteners

- Supports cable ties up to $\frac{9}{32}$ " (7.1mm) wide from drop wires
- Designed for securing communications cables
- 8" (203mm) cable tie included
- Finish: Zinc Phosphate
- Box Quantity - 100

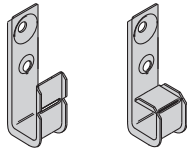


Part Number	Description	Wt. Per 100 Lbs. (kg)	
BW2-CT2	#12 Wire thru $\frac{1}{4}$ " Plain Rod"	3.9	(1.7)
BW6-CT2	$\frac{3}{8}$ " Plain or Threaded Rod"	4.5	(2.0)

Cable Hooks

- Supports all category 5/5e/6, fiber optic, innerduct, and low voltage cabling requirements
- Finish is Pre-Galvanized Steel
- Static Load Capacity: 30 Lbs. (13.6kg)
- Exclusive Qwik-Latch™ cable retainers provide secure containment of cables and are included in each box of cable hooks
- Quick open and close design for adding and removing cable runs
- Plenum-rated Qwik-Latch™ is more economical than plenum-rated cable ties
- Box Quantity: BCH12, BCH21, and BCH32 - 50 • BCH64 - 25

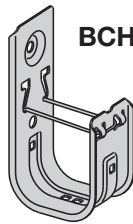
BCH12



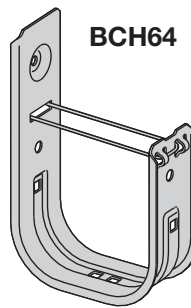
Bendable
Retaining Tab



BCH21

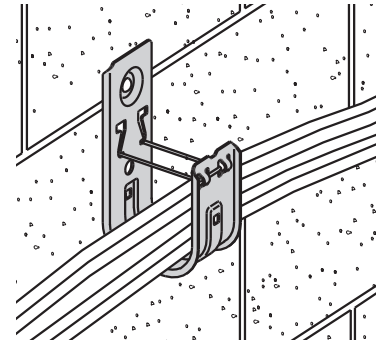


BCH32



BCH64

Patent #5961081



Part Number	Hook Size		Capacity	Wt. Per 100	
	In.	(mm)		Lbs.	(kg)
 BCH12	3/4"	(19.0)	16 4-Pair UTP	7.0	(3.2)
 BCH21	15/16"	(33.3)	50 4-Pair UTP	15.4	(7.0)
 BCH32	2"	(50.8)	80 4-Pair UTP	20.6	(9.3)
 BCH64	4"	(101.6)	300 4-Pair UTP	56.0	(25.4)



Popular Bee List item

Painted Cable Hooks

- Powder coated cable hooks are available in a range of colors to help meet your cable identification requirements.
- Standard riveted assemblies are available with painted cable hooks.
- Part numbers can be made by adding the paint color suffix after the cable hook part number
- Minimum order quantity 500 pieces.
- Standard lead time is 5-10 working days.

Colors

Bright White - BW
Brown - BR
Computer White - CW
Equipment Blue - BL
Flat Black - FB

Green - GR
Orange - OR
Regal Red - RR
Safety Yellow - YL
Telcom Gray - TG



Part # Example:

Painted Cable Hook Part Number - BCH32BW
Painted Cable Hook Assembly - BCH32BW-U24

Cable To Beam Fasteners

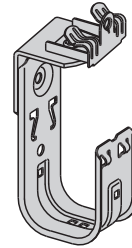
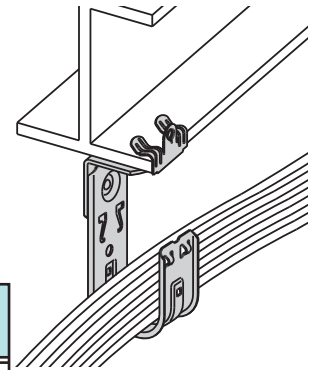
- Permits fast and easy installation on beam flanges
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- Simply installed with a hammer
- Static Load Capacity: 30 Lbs. (13.6kg)
- Box Quantity: BCH12, BCH21, and BCH32 - 50 • BCH64 - 25

Part Number	Hook Size		Flange Thickness		Wt. Per 100	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
BCH12-U-2-4	3/4"	(19.0)	1/8" to 1/4"	(3.2 to 6.3)	35.0	(15.9)
BCH12-U-5-8	3/4"	(19.0)	5/16" to 1/2"	(7.9 to 12.7)	36.0	(16.3)
BCH12-U-9-12	3/4"	(19.0)	9/16" to 3/4"	(14.3 to 19.0)	37.0	(16.8)
BCH21-U-2-4 *	1 5/16"	(33.3)	1/8" to 1/4"	(3.2 to 6.3)	40.4	(18.3)
BCH21-U-5-8 *	1 5/16"	(33.3)	5/16" to 1/2"	(7.9 to 12.7)	40.2	(18.2)
BCH21-U-9-12 *	1 5/16"	(33.3)	9/16" to 3/4"	(14.3 to 19.0)	42.6	(19.3)
BCH32-U-2-4 *	2"	(50.8)	1/8" to 1/4"	(3.2 to 6.3)	44.6	(20.2)
BCH32-U-5-8 *	2"	(50.8)	5/16" to 1/2"	(7.9 to 12.7)	46.4	(21.0)
BCH32-U-9-12 *	2"	(50.8)	9/16" to 3/4"	(14.3 to 19.0)	46.8	(21.2)
BCH64-U-2-4 *	4"	(101.6)	1/8" to 1/4"	(3.2 to 6.3)	98.0	(44.4)
BCH64-U-5-8 *	4"	(101.6)	5/16" to 1/2"	(7.9 to 12.7)	96.0	(43.5)
BCH64-U-9-12 *	4"	(101.6)	9/16" to 3/4"	(14.3 to 19.0)	97.2	(44.1)

* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-U-5-8



Popular Bee List item



Allows 360° Rotation



Cable To Beam Fasteners

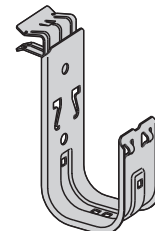
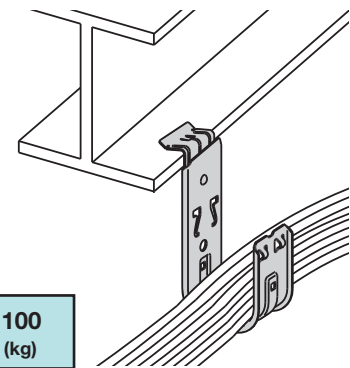
- Permits fast and easy installation on beam flanges
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- Simply installed with a hammer
- Static Load Capacity: 30 Lbs. (13.6kg)
- Box Quantity: BCH12 and BCH21 - 50 • BCH32 - 25

Part Number	Hook Size		Flange Thickness		Wt. Per 100	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
BCH12-E-2-4	3/4"	(19.0)	1/8" to 1/4"	(3.2 to 6.3)	11.0	(5.0)
BCH12-E-5-8	3/4"	(19.0)	5/16" to 1/2"	(7.9 to 12.7)	11.0	(5.0)
BCH12-E-9-12	3/4"	(19.0)	9/16" to 3/4"	(14.3 to 19.0)	12.0	(5.4)
BCH21-E-2-4 *	1 5/16"	(33.3)	1/8" to 1/4"	(3.2 to 6.3)	18.4	(8.3)
BCH21-E-5-8 *	1 5/16"	(33.3)	5/16" to 1/2"	(7.9 to 12.7)	22.6	(10.2)
BCH21-E-9-12 *	1 5/16"	(33.3)	9/16" to 3/4"	(14.3 to 19.0)	19.8	(9.0)
BCH32-E-2-4 *	2"	(50.8)	1/8" to 1/4"	(3.2 to 6.3)	23.8	(10.8)
BCH32-E-5-8 *	2"	(50.8)	5/16" to 1/2"	(7.9 to 12.7)	24.4	(11.0)
BCH32-E-9-12 *	2"	(50.8)	9/16" to 3/4"	(14.3 to 19.0)	24.6	(11.1)

* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-E-5-8

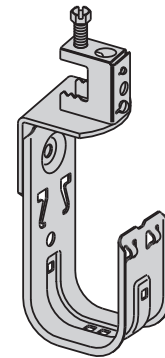
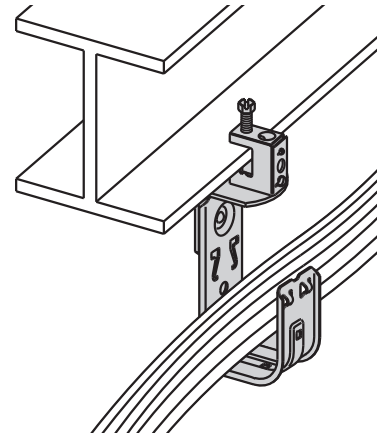


Popular Bee List item



Cable To Beam Fasteners

- 360° rotation allows cable to run in any direction
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- Simply installed with a screwdriver
- Static Load Capacity: 30 Lbs. (13.6kg)
- Box Quantity: BCH12, BCH21, and BCH32 - 50
BCH64 - 25



Part Number	Hook Size		Flange Thickness	Wt. Per 100	
	In.	(mm)		Lbs.	(kg)
BCH12-C2	3/4"	(19.0)	Thru 1/2" (13mm)	17.4	(7.9)
BCH21-C2 *	15/16"	(33.3)	Thru 1/2" (13mm)	39.8	(18.0)
BCH32-C2 *	2"	(50.8)	Thru 1/2" (13mm)	45.0	(20.4)
BCH64-C2 *	4"	(101.6)	Thru 1/2" (13mm)	95.6	(43.3)

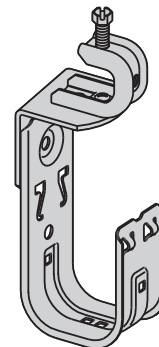
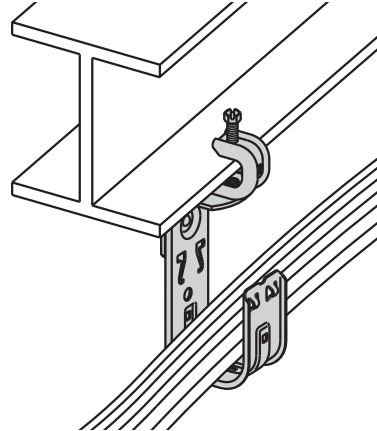
* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-C2

 Popular Bee List item



Cable To Beam Fasteners

- 360° rotation allows cable to run in any direction
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- Simply installed with a screwdriver
- Static Load Capacity: 30 Lbs. (13.6kg)
- Box Quantity: BCH12, BCH21, and BCH32 - 50
BCH64 - 25



Part Number	Hook Size		Flange Thickness		Wt. Per 100	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
BCH12-C442	3/4"	(19.0)	1/8" - 5/8"	(3 - 16)	23.5	(10.6)
BCH21-C442 *	15/16"	(33.3)	1/8" - 5/8"	(3 - 16)	45.8	(20.8)
BCH32-C442 *	2"	(50.8)	1/8" - 5/8"	(3 - 16)	51.6	(23.4)
BCH64-C442 *	4"	(101.6)	1/8" - 5/8"	(3 - 16)	102.4	(46.6)

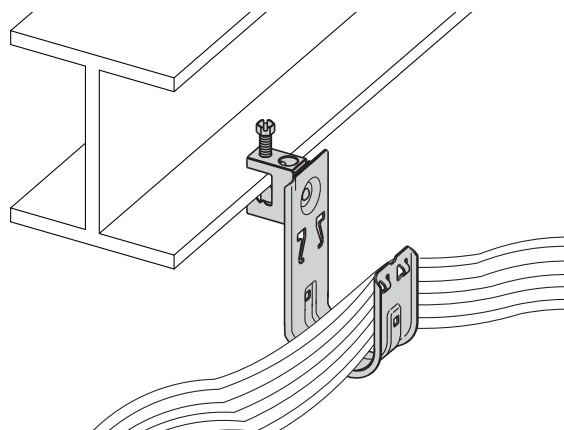
* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-C442

 Popular Bee List item



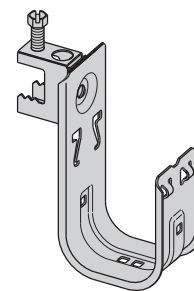
Cable To Beam Fasteners

- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- Simply installed with a screwdriver
- Static Load Capacity: 30 Lbs. (13.6kg)
- Box Quantity: BCH12, BCH21, and BCH32 - 50
BCH64 - 25



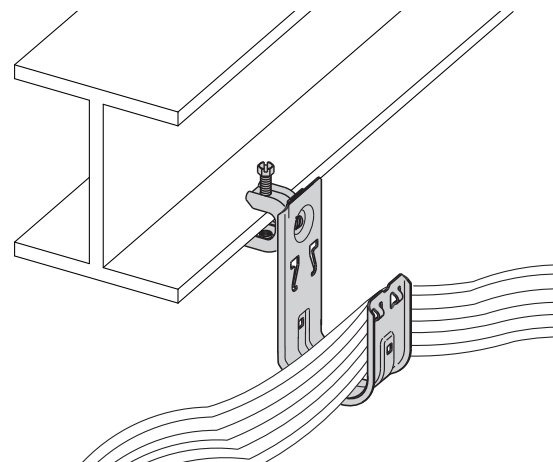
Part Number	Hook Size		Flange Thickness	Wt. Per 100	
	In.	(mm)		Lbs.	(kg)
BCH12-C1	3/4"	(19.0)	Thru 1/2" (13mm)	12.3	(5.6)
BCH21-C1 *	1 5/16"	(33.3)	Thru 1/2" (13mm)	20.7	(9.4)
BCH32-C1 *	2"	(50.8)	Thru 1/2" (13mm)	25.9	(11.7)
BCH64-C1 *	4"	(101.6)	Thru 1/2" (13mm)	61.3	(27.8)

* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-C1



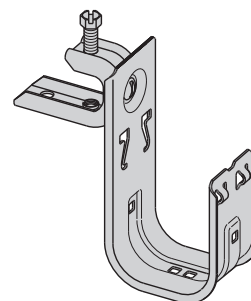
Cable To Beam Fasteners

- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- Simply installed with a screwdriver
- Static Load Capacity: 30 Lbs. (13.6kg)
- Box Quantity: BCH12, BCH21, and BCH32 - 50
BCH64 - 25



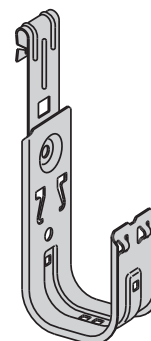
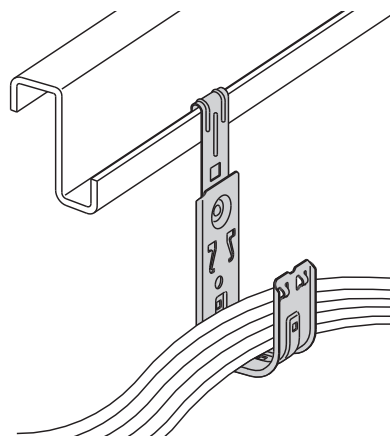
Part Number	Hook Size		Flange Thickness	Wt. Per 100	
	In.	(mm)	In. (mm)	Lbs.	(kg)
BCH12-C442A	3/4"	(19.0)	1/8" - 5/8" (3 - 16)	18.4	(8.3)
BCH21-C442A *	1 5/16"	(33.3)	1/8" - 5/8" (3 - 16)	26.8	(12.1)
BCH32-C442A *	2"	(50.8)	1/8" - 5/8" (3 - 16)	32.0	(14.5)
BCH64-C442A *	4"	(101.6)	1/8" - 5/8" (3 - 16)	67.4	(30.6)

* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-C442A



Cable To Flange Fasteners

- Supports cable from vertical flanges
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- Simply installed with a hammer
- Static Load Capacity: 30 Lbs. (13.6kg)
- Box Quantity: BCH12, BCH21, and BCH32 - 50
BCH64 - 25

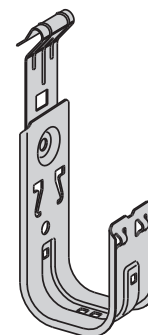
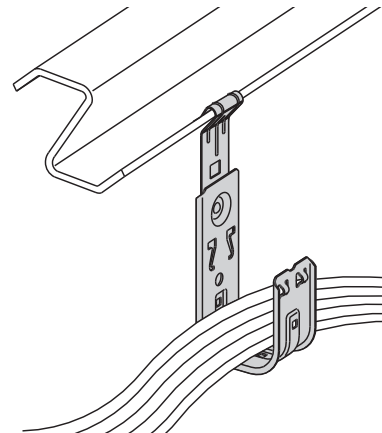


Part Number	Hook Size		Flange Thickness		Wt. Per 100	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
BCH12-F3	3/4"	(19.0)	1/16" - 1/4"	(1.6 - 6.3)	13.0	(5.9)
BCH21-F3 *	15/16"	(38.3)	1/16" - 1/4"	(1.6 - 6.3)	21.0	(9.5)
BCH32-F3 *	2"	(50.8)	1/16" - 1/4"	(1.6 - 6.3)	26.0	(11.8)
BCH64-F3 *	4"	(101.6)	1/16" - 1/4"	(1.6 - 6.3)	62.4	(28.3)

* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-F3

Cable To Flange Fasteners

- Supports cable from angled flanges
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- Simply installed with a hammer
- Static Load Capacity: 30 Lbs. (13.6kg)
- Box Quantity: BCH12, BCH21, and BCH32 - 50
BCH64 - 25



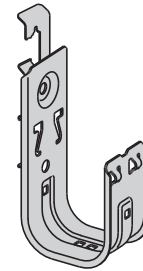
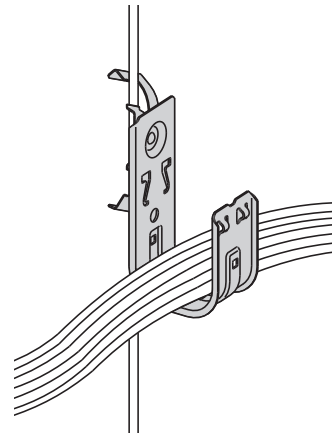
Part Number	Hook Size		Flange Thickness		Wt. Per 100	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
BCH12-F4	3/4"	(19.0)	1/16" - 1/4"	(1.6 - 6.3)	13.0	(5.9)
BCH21-F4 *	15/16"	(38.3)	1/16" - 1/4"	(1.6 - 6.3)	21.0	(9.5)
BCH32-F4 *	2"	(50.8)	1/16" - 1/4"	(1.6 - 6.3)	25.8	(11.7)
BCH64-F4 *	4"	(101.6)	1/16" - 1/4"	(1.6 - 6.3)	62.4	(28.3)

* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-F4

Patent #5961081

Cable To Rod Fasteners

- Supports cable from #12 wire thru 3/8" threaded rod
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- Static Load Capacity: 25 Lbs. (11.3kg)
- W2 series attaches to #12 wire thru 1/4" plain or threaded rod
- W6 series attaches to 3/8" plain or threaded rod
- Box Quantity - 50



Part Number	Hook Size		Wt. Per 100	
	In.	(mm)	Lbs.	(kg)
BCH12-W2	3/4"	(19.0)	10.0	(4.5)
BCH21-W2 *	15/16"	(33.3)	17.6	(8.0)
BCH32-W2 *	2"	(50.8)	23.4	(10.6)
BCH12-W6	3/4"	(19.0)	10.0	(4.5)
BCH21-W6 *	15/16"	(33.3)	17.8	(8.1)
BCH32-W6 *	2"	(50.8)	23.6	(10.7)

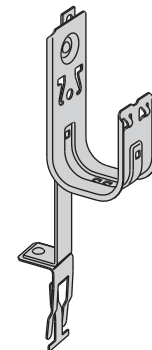
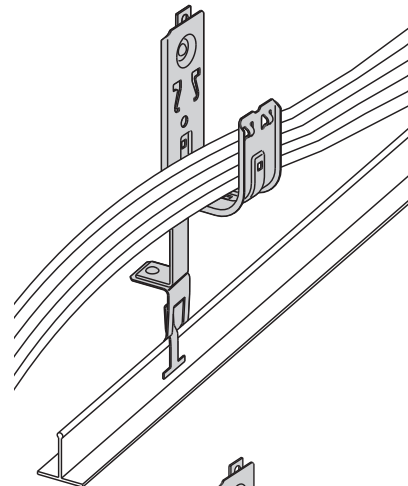
* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-W6

 Popular Bee List item



Cable To T-Bar Fasteners

- Supports cable above ceiling grid
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- 360° rotation allows cable to run in any direction
- Provides compliance with 1997 EIA/TIA standard 569-A
- Permits dropwire attachment if required
- Static Load Capacity: 30 Lbs. (13.6kg)
- Box Quantity - 50



Part Number	Hook Size		Wt. Per 100	
	In.	(mm)	Lbs.	(kg)
BCH12-A28	3/4"	(19.0)	23.0	(10.4)
BCH21-A28 *	15/16"	(33.3)	30.6	(13.9)
BCH32-A28 *	2"	(50.8)	36.8	(16.7)

* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-A28



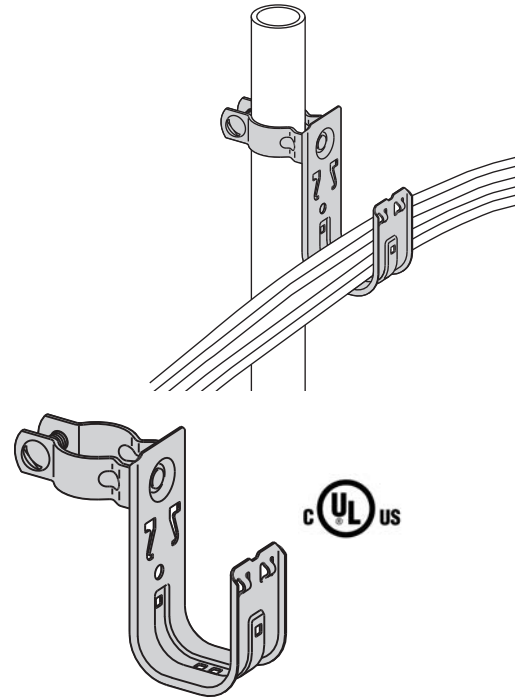
Cable To Floor Support Fasteners

- Supports cable from computer floor post
- Organizes cable off the floor for a neat installation
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Static Load Capacity: 30 Lbs. (13.6kg)
- Finish: Pre-galvanized
- Box Quantity: BCH12, BCH21, and BCH32 - 50
BCH64 - 25

Part Number	Hook Size - Floor Post Size	Wt. Per 100	
		Lbs.	(kg)
BCH12-L1410	3/4" - 1" O.D.	13.4	(6.1)
BCH21-L1410	15/16" - 1" O.D.	22.8	(10.3)
BCH32-L1410	2" - 1" O.D.	28.4	(12.9)
BCH64-L1410	4" - 1" O.D.	64.0	(29.0)

* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-L1410

 Popular Bee List item



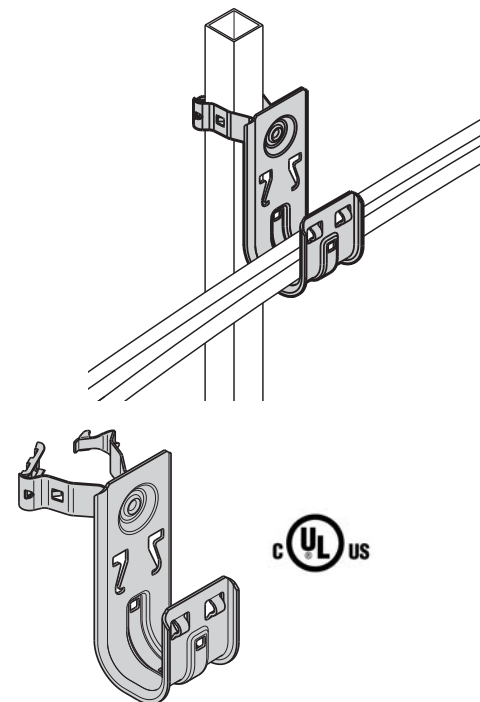
Cable To Floor Support Fasteners

- Supports cable from square computer floor post
- Organizes cable off the floor for a neat installation
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Static Load Capacity: 30 Lbs. (13.6kg)
- Finish: Pre-galvanized
- Box Quantity: BCH12, BCH21, and BCH32 - 50
BCH64 - 25

Part Number	Hook Size - Floor Post Size	Wt. Per 100	
		Lbs.	(kg)
BCH12-G-8-12	3/4" - 1" Square	13.4	(6.1)
BCH21-G-8-12	15/16" - 1" Square	22.8	(10.3)
BCH32-G-8-12	2" - 1" Square	28.4	(12.9)
BCH64-G-8-12	4" - 1" Square	64.0	(29.0)

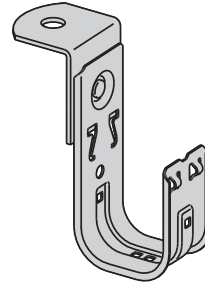
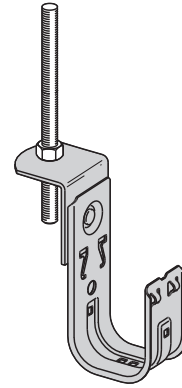
* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-G-8-12

 Popular Bee List item



Cable To ATR Fasteners

- .505" (12.8mm) diameter hole designed to support cable from 3/8" or 1/2" threaded rod
- Allows back-to-back and multi-tier installations
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- Static Load Capacity: 30 Lbs. (13.6kg)
- Box Quantity: BCH21 and BCH32 - 50
BCH64 - 25



Note: Part numbers listed are for galvanized hooks - Add "SS4" for Stainless Steel.

Part Number	Hook Size		Wt. Per 100	
	In.	(mm)	Lbs.	(kg)
BCH21-AB *	15/16"	(33.3)	34.2	(15.5)
BCH32-AB *	2"	(50.8)	40.0	(18.1)
BCH64-AB *	4"	(101.6)	91.2	(41.3)

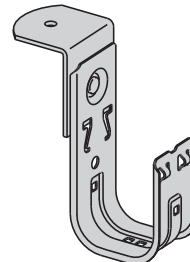
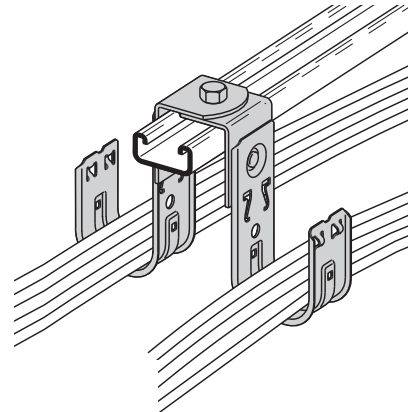
* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-AB



Popular Bee List item

Angle Bracket Cable Fasteners

- Designed for direct attachment to structures
- Supports cable from 1/4" threaded rod
- .265" (6.7mm) diameter hole accepts anchors, screws or common nails
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- Static Load Capacity: 30 Lbs. (13.6kg)
- Box Quantity: BCH12, BCH21, and BCH32 - 50
BCH64 - 25



Note: Part numbers listed are for galvanized hooks - Add "SS4" for Stainless Steel.

Part Number	Hook Size		Wt. Per 100	
	In.	(mm)	Lbs.	(kg)
BCH12-RB	3/4"	(19.0)	29.0	(13.2)
BCH21-RB *	15/16"	(33.3)	34.4	(15.6)
BCH32-RB *	2"	(50.8)	39.4	(17.9)
BCH64-RB *	4"	(101.6)	91.2	(41.3)

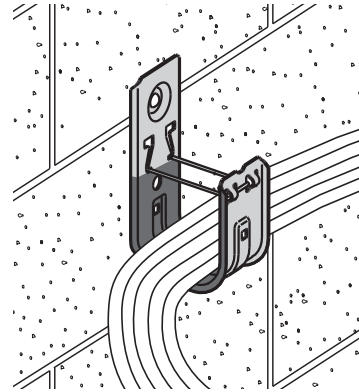
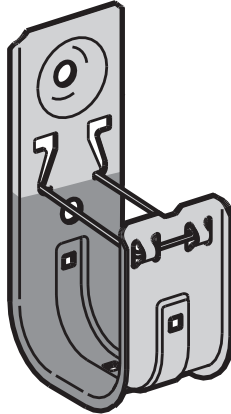
* For Xylan® coating, add "X" after cable hook part number. Ex: BCH32X-RB



Popular Bee List item

X-Hook Low Friction Cable Hooks

- Xylan® coating provides smooth frictionless surface for cable pulling
- Great for use in corners, drop-outs or any direction change in the cable run
- X-Hook has lower coefficient of friction than Teflon®
- Includes Quik-Latch cable retainer
- Box Quantity: BCH21X and BCH32X - 50
BCH64X - 25



New Xylan® coating reduces cable friction. Ideal for pulling cable.



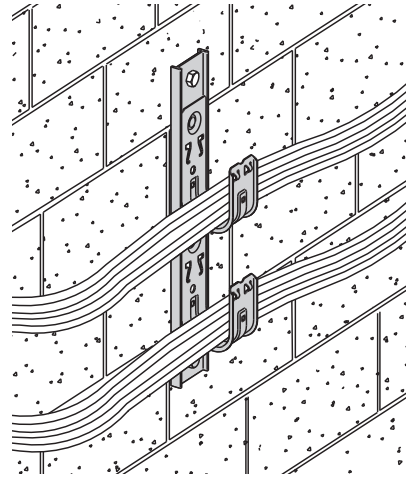
Cable rollers are too expensive and require installation and removal.

Part Number	Hook Size		Capacity	Wt. Per 100	
	In.	(mm)		Lbs.	(kg)
BCH21X	1 ⁵ / ₁₆ "	(33.3)	50 4-Pair UTP	15.4	(7.0)
BCH32X	2"	(50.8)	80 4-Pair UTP	20.6	(9.3)
BCH64X	4"	(101.6)	300 4-Pair UTP	56.0	(25.4)

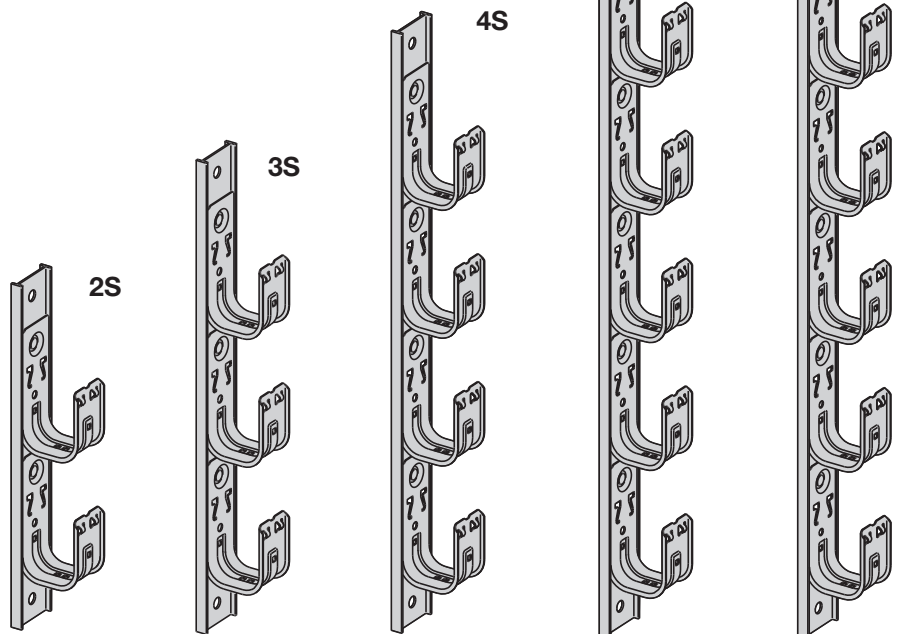
Available with most fastener assemblies. See the following pages.

Single-Sided Multi-Tier Cable Fasteners

- Factory assembled multi-tier fasteners increase installation flexibility
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- Available in two-tier through six-tier assemblies
- Unique design prevents hooks and assembly from rotating when pulling cable
- All support bars furnished in 6063-T6 aluminum
- Static Load Capacity: 30 Lbs. (13.6kg)
- Box Quantity - 10

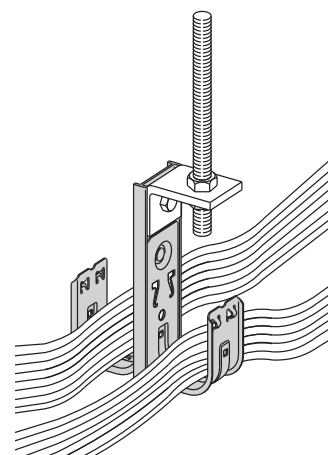


Part Number	Hook Size		Overall Height		Wt. Per 100	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
BCH21-2S	1 ⁵ / ₁₆ "	(33.3)	11"	(279)	65.0	(29.5)
BCH32-2S	2"	(50.8)	12 ³ / ₄ "	(324)	78.0	(35.4)
BCH64-2S	4"	(101.6)	19 ⁵ / ₁₆ "	(490)	94.0	(42.6)
BCH21-3S	1 ⁵ / ₁₆ "	(33.3)	14 ³ / ₄ "	(374)	99.0	(44.9)
BCH32-3S	2"	(50.8)	17 ¹ / ₂ "	(444)	122.0	(55.3)
BCH64-3S	4"	(101.6)	28 ¹ / ₁₆ "	(713)	148.0	(67.1)
BCH21-4S	1 ⁵ / ₁₆ "	(33.3)	18 ¹ / ₂ "	(470)	133.0	(60.3)
BCH32-4S	2"	(50.8)	21 ³ / ₄ "	(552)	166.0	(75.3)
BCH21-5S	1 ⁵ / ₁₆ "	(33.3)	21 ³ / ₄ "	(552)	167.0	(75.7)
BCH32-5S	2"	(50.8)	27"	(686)	182.0	(82.5)
BCH21-6S	1 ⁵ / ₁₆ "	(33.3)	26"	(660)	201.0	(91.2)
BCH32-6S	2"	(50.8)	31 ³ / ₄ "	(806)	222.0	(100.7)



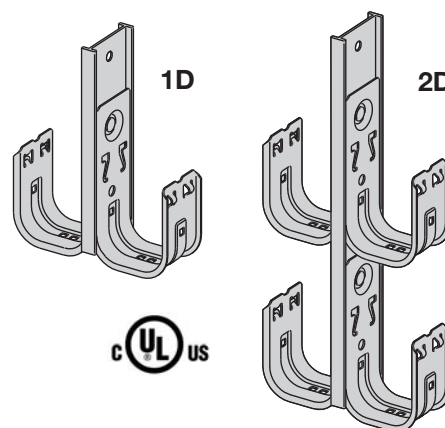
Double-Sided Multi-Tier Cable Fasteners

- Factory assembled multi-tier fasteners increase installation flexibility
- Unique design prevents hooks and assembly from rotating when pulling cable
- All support bars furnished in 6063-T6 aluminum
- Shown (at right) with optional BCHK2 kit
- Qwik-Latch™ cable retainers included (not shown on drawings)
- Designed to accept cable ties
- Static Load Capacity: (per hook) 30 Lbs. (13.6kg)
- Box Quantity: BCH21-1D and BCH32-1D - 20
BCH64-1D and All 2D Fasteners - 10



SPRING STEEL
FASTENERS

Part Number	Hook Size		Overall Height		Wt. Per 100	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
BCH21-1D	15/16"	(33.3)	5 1/2"	(140)	46.0	(20.8)
BCH32-1D	2"	(50.8)	6 3/16"	(157)	63.0	(28.6)
BCH64-1D	4"	(101.6)	9"	(228)	144.0	(65.3)
BCH21-2D	15/16"	(33.3)	9 1/4"	(234)	101.0	(45.8)
BCH32-2D	2"	(50.8)	11"	(279)	112.0	(50.8)
BCH64-2D	4"	(101.6)	18 1/4"	(463)	287.0	(130.2)



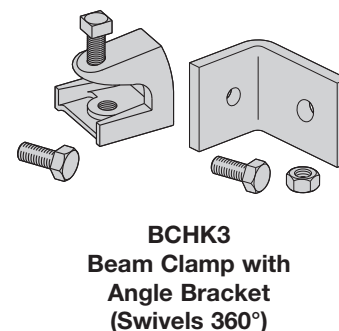
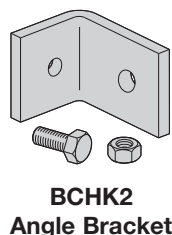
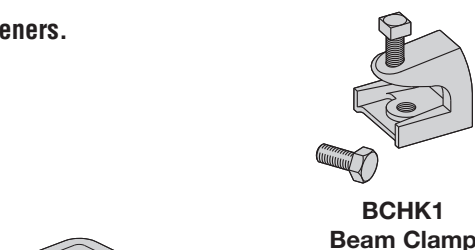
Note: Part numbers listed above are for galvanized hooks - Add "SS4" for Stainless Steel or add "H" for Zinc-Plated Spring Steel for heavy-duty applications.

Patent #5961081

Multi-Tier Attachment Kits

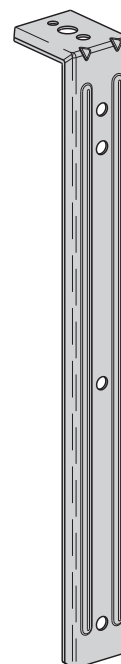
- Kits permit secure attachment of single-tier and multi-tier fasteners.
- BCHK1 includes:
 - 1 ea. beam clamp (B444-1/4)
 - 1 ea. 1/4"-20 x 1/2" hex head cap screw
- BCHK2 includes:
 - 1 ea. angle bracket (with .320"Ø and .390"Ø holes)
 - 1 ea. 5/16"-18 x 3/4" hex head cap screw
 - 1 ea. 5/16"-18 hex nut
- BCHK3 includes:
 - 1 ea. BCHK1 Kit
 - 1 ea. BCHK2 Kit
- Box Quantity - 10

Part Number	Flange Thickness		Wt. Per 100	
	In.	(mm)	Lbs.	(kg)
BCHK1	thru 5/8"	(thru 15.9)	27.0	(12.2)
BCHK2	--	--	43.0	(19.5)
BCHK3	thru 5/8"	(thru 15.9)	67.0	(30.4)



Steel Support Bar

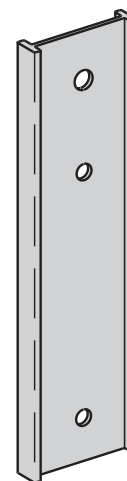
- Furnished in zinc plated steel.
- BCH-HBA will tier up to (2) BCH64 cable hooks on each side or up to (3) BCH21 or BCH32 cable hooks on each side.
- BCH-HBA can be supported from 1/4", 5/16" and 3/8" rod.
- Load Capacity: 180 Lbs. (81.6kg)
- Box Quantity - 40



Part Number	Support Bar For	Wt. Per 100	
		Lbs.	(kg)
BCH-HBA	BCH21, BCH32 & BCH64	25.1	(11.4)

Aluminum Support Bars

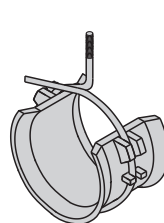
- Furnished in 6063-T6 aluminum
- Box Quantity - 50



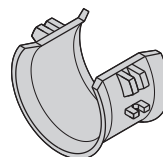
Part Number	Support Bar For	Wt. Per 100	
		Lbs.	(kg)
BCH-HB21	BCH21 & BCH32 8 1/4" (209mm) long with .281"Ø (7.1mm) holes	23.0	(10.4)
BCH-HB64	BCH64 13 5/16" (338mm) long with .281"Ø (7.1mm) holes	47.0	(21.3)

Bridle Ring Saddles

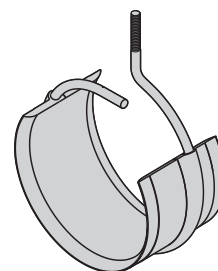
- The convenience of a bridle ring with the cable-bearing surface of a hook
- 2" (51mm) saddle is available separately
- Can be easily attached before or after cable installation
- Box Quantity: BRS-32A and BRS-32 - 50
BRS 64A - 25



BRS-32A



BRS-32

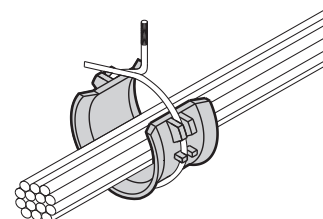


BRS-64A

Part Number	Thread Size x Description	Wt. Per 100	
		Lbs.	(kg)
BRS-32A	1/4"-20 x 7/8" 2" Ring Assembly	13.0	(5.89)
BRS-64A	1/4"-20 x 1" 4" Ring Assembly	30.0	(13.61)
BRS-32	2" Saddle Only	3.0	(1.36)

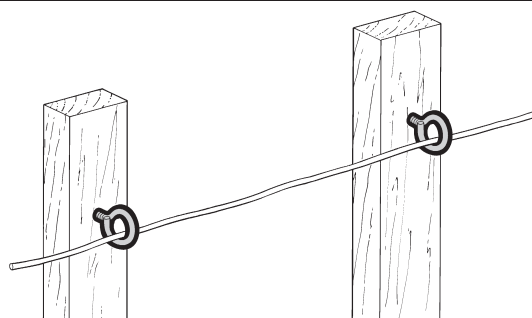


Popular Bee List item



Threaded Bridle Rings

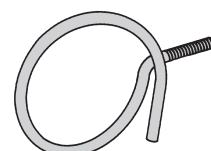
- Supports low voltage communication cables from wood beams
- Ultimate Load Capacity: 50 Lbs. (22.7kg)
- Finish: Zinc Plated
- Box Quantity - 100



Part Number	Ring Size	Thread Size/Length	Wt. Per 100	
	In. (mm)		Lbs.	(kg)
BR-16-3W	1"	3/16" x 9/16"	2.6	(1.18)
BR-24-4W	1 1/2"	1/4" x 27/32"	7.1	(3.22)
BR-32-4W	2"	1/4" x 7/8"	10.9	(4.94)



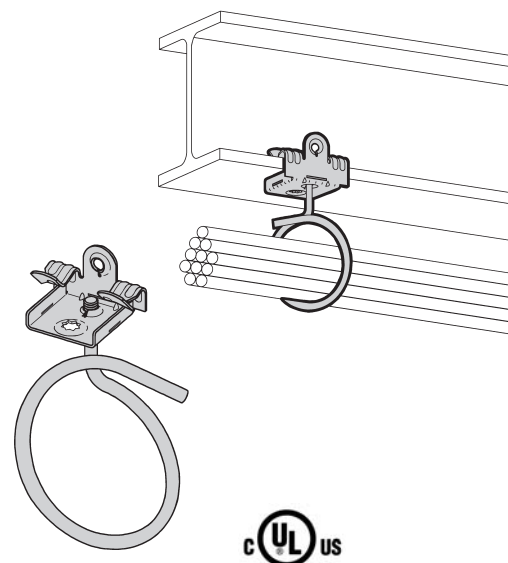
Popular Bee List item



Bridle Ring/Beam Fastener Assy.

- Supports low voltage communication cables from beam flanges 1/8" (3.2mm) to 3/4" (19.0mm) thick
- Pre-assembled with 2" (51mm) bridle ring
- Reduces installation time
- Static Load Capacity: 15 Lbs. (6.8kg)
- Box Quantity - 50

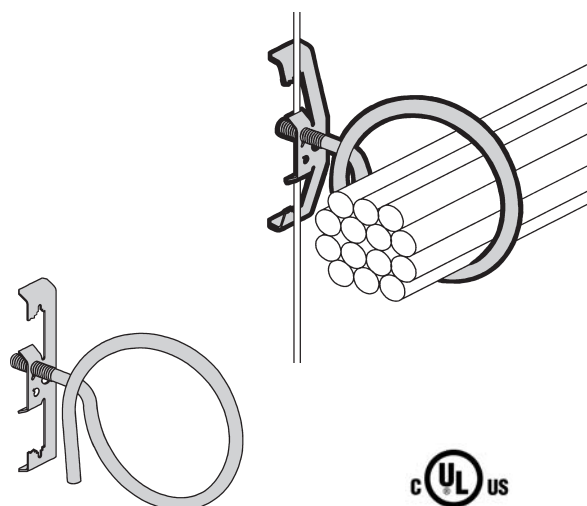
Part Number	Flange Thickness	Wt. Per 100		
	In. (mm)	Lbs. (kg)		
BR-32-4T-U-2-4	1/8" to 1/4"	(3.2 to 6.3)	14.6	(6.6)
BR-32-4T-U-5-8	5/16" to 1/2"	(7.9 to 12.7)	15.2	(6.9)
BR-32-4T-U-9-12	9/16" to 3/4"	(14.3 to 19.0)	16.6	(7.5)



Bridle Ring/Rod & Wire Fastener Assy.

- Supports low voltage communication cables from drop wire
- Pre-assembled with 2" (51mm) bridle ring
- Reduces installation time
- Static Load Capacity: 15 Lbs. (6.8kg)
- Box Quantity - 50

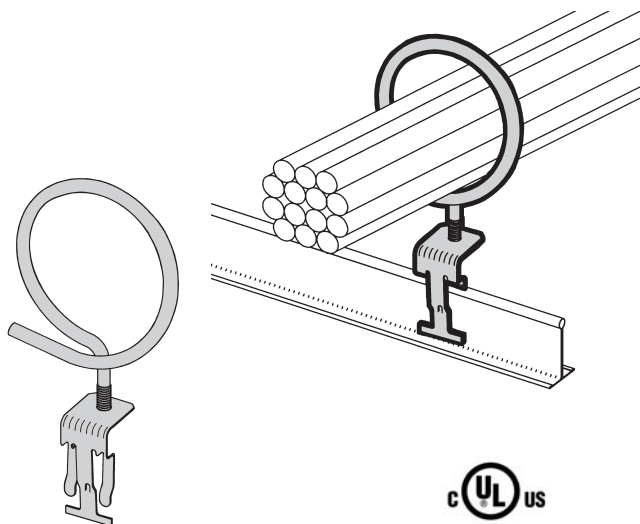
Part Number	Wire or Rod Size	Wt. Per 100	
		Lbs.	(kg)
BR-32-4T-W2	#12 Wire thru 1/4" Plain or Threaded Rod	12.4	(5.6)



Bridle Ring/T-Bar Fastener Assy.

- Supports low voltage communication cables from the T-Bar
- Pre-assembled with 2" (51mm) bridle ring
- Reduces installation time
- For positioning only - No Load Rating
- Box Quantity - 50

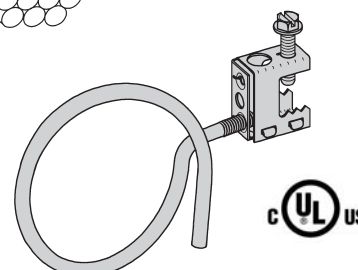
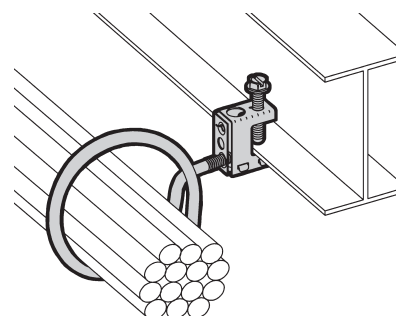
Part Number Saddle Only	Ring Size		Wt. Per 100	
	In.	(mm)	Lbs.	(kg)
BR-32-4T-A6	2"	(50.8)	11.6	(5.2)



Bridle Ring/Beam Fastener Assy.

- Supports low voltage communication cables from beam flanges thru 1/2" (12.7mm) thick
- Pre-assembled with 2" (51mm) bridle ring
- Reduces installation time
- Static Load Capacity: 15 Lbs. (6.8kg)
- Box Quantity - 50

Part Number Saddle Only	Ring Size		Wt. Per 100	
	In.	(mm)	Lbs.	(kg)
BR-32-4T-C1	2"	(50.8)	15.0	(6.8)



KwikWire™ Clamps

- KwikWire system replaces jack chain or ATR to support lighting, ductwork, cable tray, etc.
- Can be quickly installed around beams - No drilling required.
- Ideal for sloped ceilings - can hang objects at up to 60° angles.
- Simple height adjustments are made by releasing locking tab, no tools required.
- Spools of wire can be cut to length in field, reducing waste and up front planning.



Part Number	For Use With Wire Rope Diameters	Box Qty.
BKC100	1/16" & 3/32"	100
BKC200	1/8" & 3/16"	50



KwikWire™ Wire Rope

- Finish: Uncoated Galvanized Wire

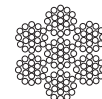


Part Number	Rope Diameter Diameter	Working Load Lbs.	Spool Qty.
BKW063 (1)	1/16"	96	500 ft.
BKW094 (1)	3/32"	184	500 ft.
BKW125 (1)	1/8"	340	500 ft.
BKW188 (2)	3/16"	840	250 ft.

(1) Wire rope construction Type 7 x 7
(2) Wire rope construction Type 7 x 19
Uncoated Galvanized Wire



7 x 7



7 x 19

Read safety/installation instruction sheets in packages before use.

KwikPak™

- Cooper B-Line's KwikPak™ includes a supply of kwik-clamps and a spool of wire rope.
- KwikPaks are shipped in a specially designed dispenser box to ease field cutting of wire.

Part Number	Kit Includes	Box Qty.
BKP10063	BKC100 (100 pcs.) 1/16" Diameter Wire Rope (500 ft.)	1
BKP10094	BKC100 (100 pcs.) 3/32" Diameter Wire Rope (500 ft.)	1
BKP20125	BKC200 (50 pcs.) 1/8" Diameter Wire Rope (500 ft.)	1
BKP20188	BKC200 (50 pcs.) 3/16" Diameter Wire Rope (250 ft.)	1



KwikWire™ Clamp Working Loads*

Clamp Part No.	Wire Rope Dia.	Lbs. Safety Factor 5
BKC100	1/16"	0-75
	3/32"	25-150
BKC200	1/8"	25-250
	3/16"	50-640

* Working loads shown are for hanging vertically. For suspending at 15°, 30°, 45° or 60° angles from vertical use the following percentage of the working loads from the chart:

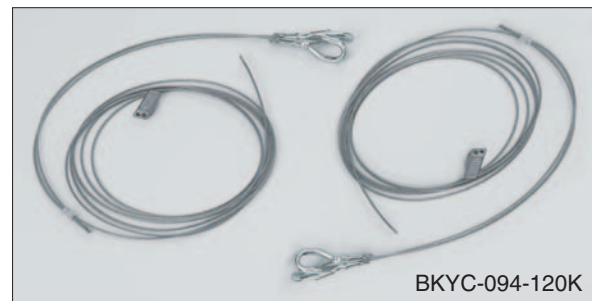
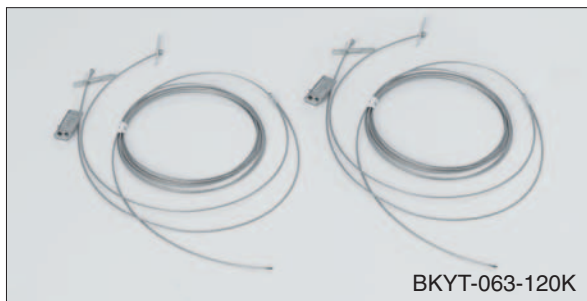
15° = 96%
30° = 86%
45° = 70%
60° = 50%

Read safety/installation instruction sheets in packages before use.

KwikWire™ Cable Assemblies

- New KwikWire 'Y' Cable Assemblies will simplify the installation of light fixtures, Flextray, and cable tray.
- 'Y' Cables enable a single suspension point to provide two securement points.
- 'Y' legs are 18" (457mm) in length.
- 'Y' Cable Assembly Kits include two (2) 10'-0" (3.05m) long cable assemblies and two (2) KwikWire clamps.
- Add-on cable assemblies can be field installed on KwikWire systems.

Part Number	Description	Box Qty.
BKYT-063	Toggle	20
BKYC-094	Carabineer	20
BKYT-063-120K	Toggle	10 Kits
BKYC-094-120K	Carabineer	10 Kits



KwikWire™ Cutter

- Used to cut wire rope.
- Never use cutter on energized circuits, wire, or cable.
- Box Quantity - 1

Part Number	Wt. Per 100	
	Lbs.	(kg)
BKCC	1.0	(0.45)



Read safety/installation instruction sheets in packages before use.

KwikWire™ Installation Steps



(1) Pass the wire rope through the KwikWire™ Clamp



(2) Loop wire rope through/around support



(3) Pass wire rope back through KwikWire™ Clamp



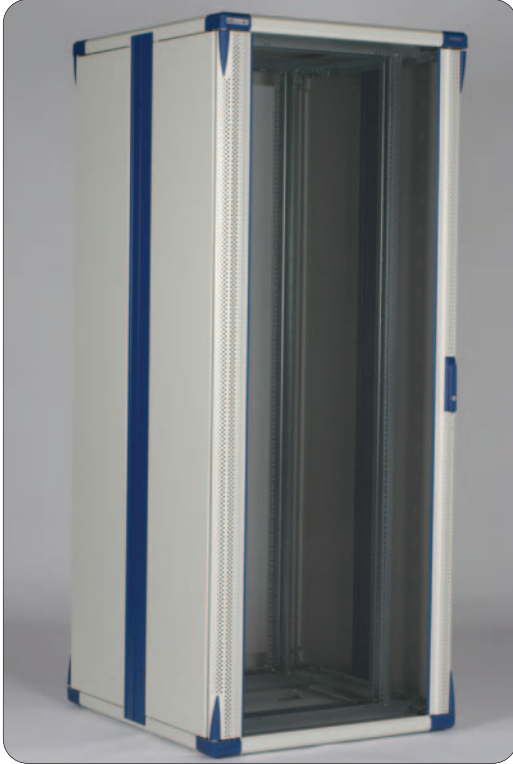
(4) Push wire rope through clamp leaving 2" to 3" tail, then apply tension on wire rope



(5) To adjust, remove tension and pull wire rope slightly to disengage teeth, slide adjustment pin in direction shown by arrow to release wire rope.

Read safety/installation instruction sheets in packages before use.

Electronic Enclosures & Cabinets



ACCESS Cabinets



VWM Dual Hinge Wallmounts



VWM Single Section Wallmounts



V-Line Enclosures

Electronic Enclosures & Cabinets

Cooper B-Line Electronic Enclosures & Cabinets

Cooper B-Line offers a comprehensive line of standard and custom cabinets for the telecommunications, electronics, data and computer industries. Our electronic enclosure product lines include both free-standing and wall-mountable styles, as well as a complete selection of accessories. We offer three styles of free-standing electronic enclosure - Access, V-Line and Seismic Zone 4.

Access Cabinet System

Cooper B-Line's Access cabinet system is a unique, innovative electronic enclosure platform based on an open architecture design with no corner posts. This type of enclosure construction offers complete exposure to the mounting rails and installed equipment when the doors and side panels are removed. The Access cabinet design allows for unparalleled flexibility and convenience in the installation and maintenance of equipment and cabling as is well suited for high performance networks and data centers.

V-Line Cabinet System

Cooper B-Line developed the V-LINE enclosure platform to be versatile enough to exceed performance expectations in today's dynamic networking environments yet be a competitively priced solution. Many innovative features are designed into the V-LINE platform, offering valuable benefits for users. The V-LINE features excellent aesthetic characteristics and is built to the high quality standard our customers have come to expect over the years from Cooper B-Line. All of these features, benefits, good looks and high quality are offered at a very competitive price point, which makes the V-LINE an excellent choice for anyone needing to house data communications equipment while watching the bottom line.

E2 Seismic Zone 4

If your application requires a seismic rated enclosure, Cooper B-Line's E2 Zone 4 enclosure line offers a NEBS GR-63 CORE compliant solution. Our heavy duty, reinforced steel construction offers a seismic load rating of 850 lbs. and comes with a variety of options for doors and panels.

Wall Mounted Enclosures

Cooper B-Line offers a full line of wall mounted electronic enclosures. From low-cost, single section enclosures to heavy duty dual hinge enclosures, our product line offers an industry leading selection of options for your wall mounted enclosure needs.

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The Access cabinet from Cooper B-Line is a unique electronic cabinet innovation has been specifically designed to bring unrivaled advantages to free standing cabinets and offers a number of benefits that reduce the total cost of ownership. What makes Access so different from conventional cabinets? The unique open architecture construction with no corner posts. This allows quick and easy removal of all side panels and doors to completely expose the open frame for installation of cable and equipment. Compared to conventional cabinets, the Access design allows for fast, user-friendly cable installation, resulting in convenient access for maintenance as well as a quick installation. The Access cabinet design allows for unparalleled flexibility and convenience and is well suited for high performance networks and data centers.

Design Features:

- Unique center frame design eliminates corner posts
- EIA mounting rails with IEC square holes or #12-24 tapped holes
- Durable powder coat paint finishes
- Unrestricted cable entry through top and base
- Universal base corner bracket with leveling feet
- Modular enhanced passive thermal management capabilities
- Hinged doors open 180° for maximum access to equipment
- Two point locking doors with scaleable locking options
- Aesthetically designed for office and IT center environment
- Designed for quick side by side installation (kit included)
- UL Listed - File Number E235184

Static Load Capacity: 2,200 lbs. (1000kg)



Standard Cabinet Colors:

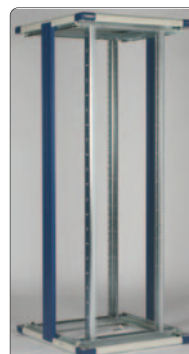
- Light Gray with Blue Trim 
- Black with Black Trim 
- Other colors available - special order

Packing:

- Fully configured Access cabinets are secured on wooden pallets, protected with cardboard on the corners and top, and shrink wrapped for maximum protection.

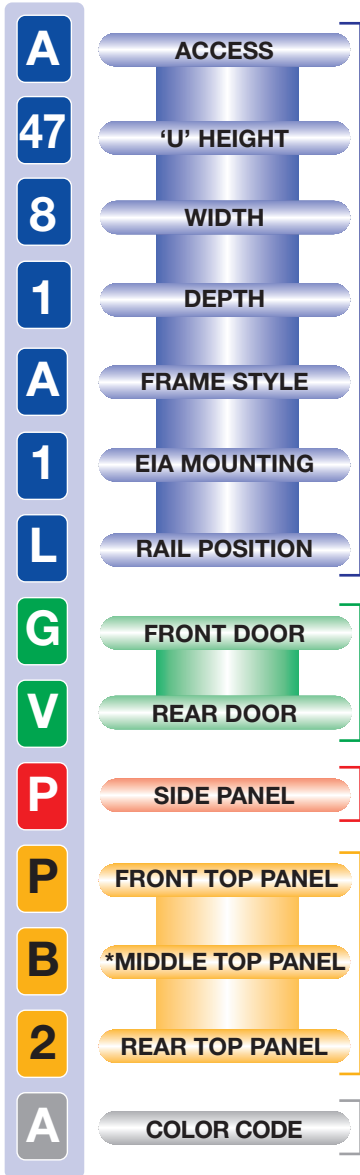


For the latest updates on our electronic enclosure configuration software capability, please see the design center on <http://www.cooperbline.com/commdata>





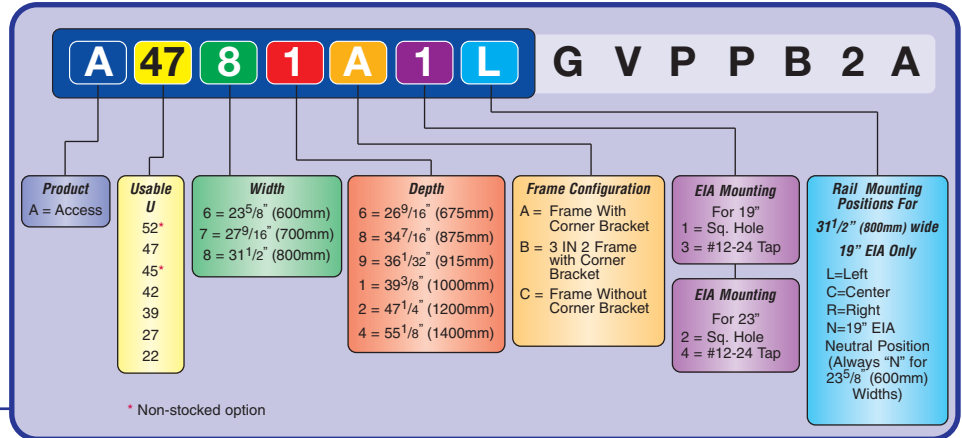
Configured Cabinet Part Number System



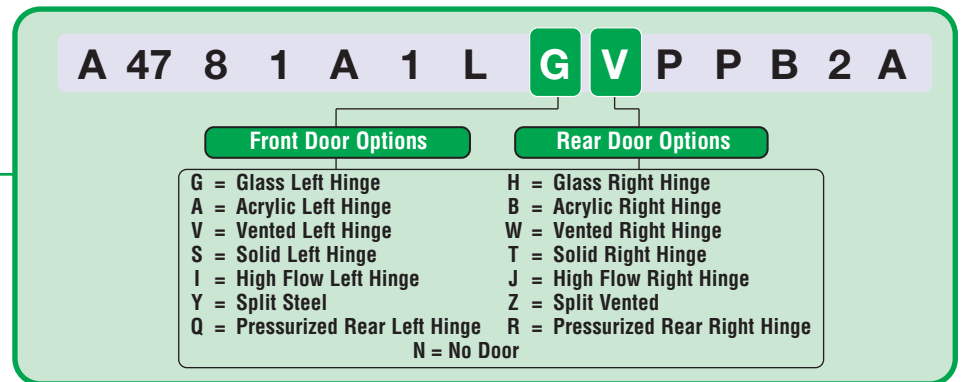
Color Code
A = Light Gray with Blue Trim
B = Black with Black Trim
*C = Light Gray with Black Trim
*D = Black with Blue Trim
*G = Light Gray with Mid Gray Trim

* Special Order

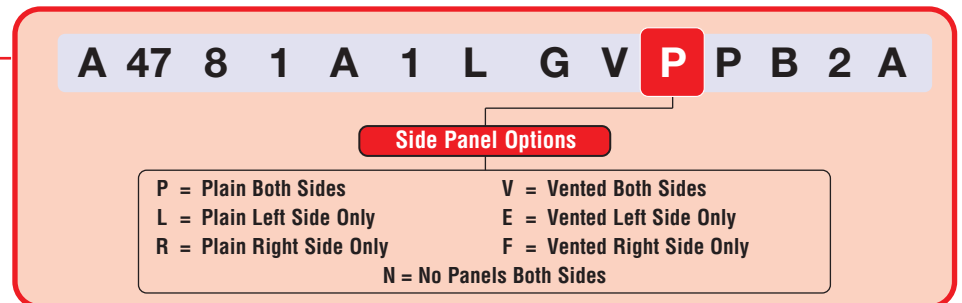
STEP ONE - Frame Assemblies



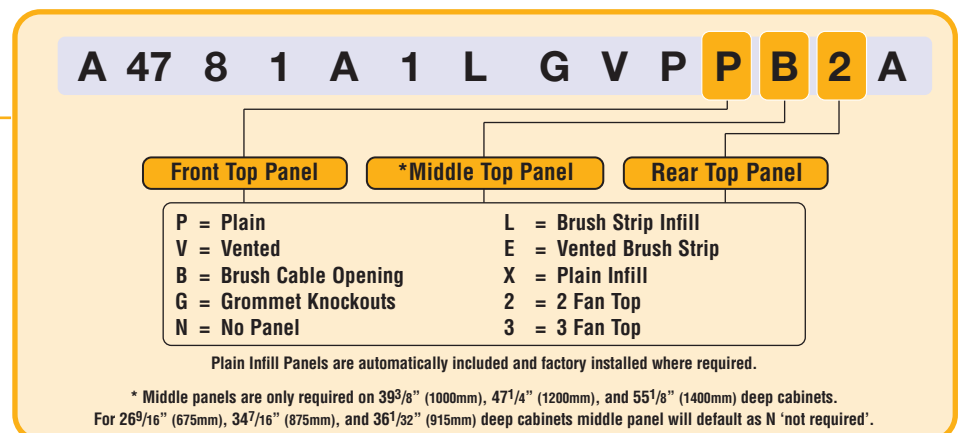
STEP TWO - Doors



STEP THREE - Side Panels



STEP FOUR - Top Panels



Access Thermal Management Solutions

In today's environment, cabinet heat loads not only differ from site to site but also from cabinet to cabinet. No two cabinet installations have either the same equipment layouts or environmental and heat load characteristics. While a "one solution fits all" approach can provide a thermally capable result, the drive to minimize power consumption by maximizing efficiency can, in the long term, prove that this is the wrong choice from both a financial and environmental standpoint. In broad terms, any cabinet in a data room environment can be classified into one of three categories: localized single cabinet environments, hot and cold aisle installations, and high density applications.

Cooper B-Line has developed a range of modular components that enable users to configure the Access cabinet range to manage a variety of heat load applications in any of the common operating environments.

The following is an overview of a range of components that provide the tools to optimize cabinet layouts to provide individually tailored thermal solutions.

Side Panels - Help to avoid hot air recirculating and creates a known envelope

Vertical Brush Strip Baffle Panels - Stop hot air recirculating around to the front of the cabinet by filling in the open space between the mounting angle and the side panel. Can be used in both normal server applications or mixed media applications with switches and servers.

Blanking Panels - Used to stop hot air / cold air cross over avoiding the possibility of hot air recirculating around to the front of the cabinet.

High Flow Vented Doors - For applications where the cold air needs to be drawn through the front door and expelled through the rear door. We offer an 84% open surface area door to fully maximize the cooling potential.

Base Panel Blanking - Used in pressurized floors applications to maintain pressure by closing off open spaces in the cabinet base

Roof Fan Trays - In some applications it may be beneficial to exhaust hot air out of the top of the cabinet. The Access cabinet can be fitted with a range of retrofit fan tray solutions catering to both server and switch applications.

Rack Mounted Fan Trays - For applications where you need to boost the air flow within a cabinet area, rack mounted 1U fan trays can be installed in either the front or the rear of the cabinet.

Scavenger Fan Tray - For applications that require air to be pulled from either the floor void or from the local ambient environment. This unit creates a cold air chimney and is used to generate a pressurized air feed to the area in front of the cabinet.

Server & Switch Side Blanking Panels - Essential for applications where mixed technologies such as servers and switches are employed in the same cabinet, these blanking plates allow users to create and manage optimum airflow paths.

Aisle Containment Systems - A system of modular components that allow users to contain a hot aisle or cold aisle for maximizing cooling performance while minimizing operating costs.

Thermal Analysis Using Computational Fluid Dynamics (CFD) - As part of Cooper B-Line's thermal solution package, we are able to validate solutions prior to their implementation by employing leading edge computational fluid dynamics (CFD) software analysis to accurately predict real life scenarios. This allows Cooper B-Line's engineering team to incorporate these analysis outputs to be considered and addressed during the rack design process.

Please visit <http://www.cooperbline.com/commdata> or refer to our Thermal Management Solutions catalog for more information on the Access enclosure platform's thermal management components and solutions.





Today's competitive electronic enclosure market requires cost effective products that deliver superior performance and function. Cooper B-Line developed the V-LINE™ cabinet platform to support the growing need for a competitively priced solution.

Many innovative features are designed into the V-LINE cabinet platform, offering valuable benefits for users. The heart of the system, the cabinet frame, has standard features, such as, fully adjustable mounting angles with RMU markings, removable and replaceable cable entry plates, and leveling feet. The frame can be fitted with a range of options including solid or vented side panels, a variety of door styles, and top or bottom panels. The V-LINE cabinet features excellent aesthetic characteristics and is built to the high quality standard our customers have come to expect over the years from Cooper B-Line.

All of these features, good looks and high quality are offered at a competitive price point, making the V-LINE cabinet an excellent choice for anyone needing to house data communications equipment while watching the bottom line.

The V-LINE™ Cabinet Advantage

Removable cable entry knockout plates

Fully configurable top panel assembly

Range of single & double door options with a variety of locking choices

Lockable side panels

Fully adjustable 19" rails. 29 1/2" wide cabinet offer offset and 23" mounting

Extensive range of mechanical and electronic locking options

Square hole or #12-24 tapped hole mounting rail options

Plain & vented side panel options

Doors can be configured left hand (LH) or right hand (RH) hinged

New ganging knockouts allow cabinets to be ganged with or without side panels

Open base with infill panel & filter options

Leveling feet supplied as standard with optional castor availability



Fully welded steel frame structure

Standard cabinet finish is a Black hard wearing epoxy polyester powder coat paint, color reference RAL 9005. Cabinets are also available finished in Light Gray, reference NCS 1502-Y, but may be subject to increased lead times.

The V-LINE™ cabinet platform is designed to provide high quality enclosure solutions to the market at competitive prices and short lead times. Ordering the V-LINE cabinet solution can be done by ordering individual components or ordering a configured enclosure solution with a single part number.

Use the following matrix to build the part number for your desired V-LINE cabinet configuration.

Step 1	V	V-LINE Cabinet Range	Options				
	42	Cabinet Effective Height	24U	38U	42U	45U	47U
	24	Cabinet Overall Width	24 = 24"		29 = 29 1/2"		
	42	Cabinet Overall Depth	24 = 24"	30 = 30"	36 = 36"	42 = 42"	48 = 48"
Step 2	A	Mounting Rail Type	A = 19" Square Holes B = 19" #12-24 Tapped Holes				
	C	Mounting Rail Position	C = 23" Square Holes * D = 23" #12-24 Tapped Holes * * Only on 29 1/2" wide cabinets				
Step 3	V	Front Door	V = High Flow Vented LH W = High Flow Vented RH X = High Flow Vented Split* S = Solid LH T = Solid RH U = Solid Split* N = None				
	X	Rear Door	A = Acrylic LH B = Acrylic RH C = Vented Acrylic LH D = Vented Acrylic RH F = Split Fan Door* * Only available with T & D locking options.				
	S	Locking Options	S = Swing Handle (single point) C = Combo Handle (single point) T = Swing Handle (3-point)				
Step 4	S	Left Hand (LH) Side Panel Configuration	S = Solid Full Height* T = Solid Split** V = Vented Full Height* W = Vented Split** N = None				
	S	Right Hand (RH) Side Panel Configuration	* Not available on 42U x 48", 45U x 48", & 47U x 48" options ** Not available on 24U high options				
Step 5	V	Top Panel Configuration	S = Solid Top V = Vented Top N = None				
Step 6	B	Finish	2 = 210 CFM Fan Top 4 = 420 CFM Fan Top 5 = 550 CFM Fan Top				
Step 7	+	Accessories	A = Gray B = Black				
			1 = 1100 CFM Fan Top* * Not available on 24" wide deep units				
			See Pages 272 - 275				

What features do you require for your electronic cabinet solution? Whatever you require, you can be sure that the V-LINE cabinet platform from Cooper B-Line will meet your needs. For assistance with selecting the optimal cabinet solution for your network, contact a Cooper B-Line sales representative or call our sales engineering department at (800) 851-7415.

Most day to day network installations incorporating low density active equipment, as well as low volume structured cabling systems, can be accommodated into what has evolved to be an industry standard network cabinet.

V-LINE™ Network Cabinets are comprised of the following features:

- Welded frame assembly with open base
- Supplied with four (4) off jacking feet
- Supplied with two pair of fully adjustable 19-inch mounting rails centrally mounted in the cabinet
- Acrylic glazed door with vented styles fitted front, supplied with standard locking swing handle (door right hand hinged)
- Plain steel door fitted at the rear and supplied with standard locking swing handle (door right hand hinged)
- Plain side panels fitted both sides
- Vented top panel
- Supplied with pack of fifty (50) #12/24 cage nuts and screws
- Supplied fully assembled and palletized



If the standard specification cabinets shown do not meet your application requirements, use the “Easy Step Configurator” on page 265.

Accessories and additional options are available as detailed on pages 272 - 275.

	Cooper B-Line Catalog No.	Side Panel Style	Effective U	Overall Cabinet Height		Width		Depth	
				in.	(mm)	in.	(mm)	in.	(mm)
EIA Square Hole Mounting Rails	V422424ACDTSSSVB	Full	42U	78.9	(2004)	24	(610)	24	(610)
	V422430ACDTSSSVB	Full	42U	78.9	(2004)	24	(610)	30	(762)
	V422436ACDTSSSVB	Full	42U	78.9	(2004)	24	(610)	36	(915)
	V422442ACDTSSSVB	Full	42U	78.9	(2004)	24	(610)	42	(1067)
	V422448ACDTSTTVB	Split	42U	78.9	(2004)	24	(610)	48	(1219)
	V452424ACDTSSSVB	Full	45U	84.1	(2137)	24	(610)	24	(610)
	V452430ACDTSSSVB	Full	45U	84.1	(2137)	24	(610)	30	(762)
	V452436ACDTSSSVB	Full	45U	84.1	(2137)	24	(610)	36	(915)
	V452442ACDTSSSVB	Full	45U	84.1	(2137)	24	(610)	42	(1067)
	V452448ACDTSTTVB	Split	45U	84.1	(2137)	24	(610)	48	(1219)
	V472424ACDTSSSVB	Full	47U	87.6	(2226)	24	(610)	24	(610)
	V472430ACDTSSSVB	Full	47U	87.6	(2226)	24	(610)	30	(762)
	V472436ACDTSSSVB	Full	47U	87.6	(2226)	24	(610)	36	(915)
	V472442ACDTSSSVB	Full	47U	87.6	(2226)	24	(610)	42	(1067)
	V472448ACDTSTTVB	Split	47U	87.6	(2226)	24	(610)	48	(1219)
#12-24 Tapped Hole Mounting Rails	V422424BCDTSSSVB	Full	42U	78.9	(2004)	24	(610)	24	(610)
	V422430BCDTSSSVB	Full	42U	78.9	(2004)	24	(610)	30	(762)
	V422436BCDTSSSVB	Full	42U	78.9	(2004)	24	(610)	36	(915)
	V422442BCDTSSSVB	Full	42U	78.9	(2004)	24	(610)	42	(1067)
	V422448BCDTSTTVB	Split	42U	78.9	(2004)	24	(610)	48	(1219)
	V452424BCDTSSSVB	Full	45U	84.1	(2137)	24	(610)	24	(610)
	V452430BCDTSSSVB	Full	45U	84.1	(2137)	24	(610)	30	(762)
	V452436BCDTSSSVB	Full	45U	84.1	(2137)	24	(610)	36	(915)
	V452442BCDTSSSVB	Full	45U	84.1	(2137)	24	(610)	42	(1067)
	V452448BCDTSTTVB	Split	45U	84.1	(2137)	24	(610)	48	(1219)
	V472424BCDTSSSVB	Full	47U	87.6	(2226)	24	(610)	24	(610)
	V472430BCDTSSSVB	Full	47U	87.6	(2226)	24	(610)	30	(762)
	V472436BCDTSSSVB	Full	47U	87.6	(2226)	24	(610)	36	(915)
	V472442BCDTSSSVB	Full	47U	87.6	(2226)	24	(610)	42	(1067)
	V472448BCDTSTTVB	Split	47U	87.6	(2226)	24	(610)	48	(1219)

Details subject to change without written notice.

For applications housing structured cabling systems, it is often necessary to employ wider cabinets to adequately accommodate the back bone cabling, as well as provide space to manage the patch cords.



V-LINE™ Cabling Cabinets are comprised of the following features:

- 29 1/2" wide welded frame assembly with open base
- Supplied with four (4) off jacking feet
- Supplied with two pair of fully adjustable 19-inch mounting rails centrally mounted in the cabinet
- Acrylic glazed door with vented styles fitted front and configured with standard locking swing handle (door right hand hinged)
- Plain steel door fitted at the rear and configured with standard locking swing handle (door right hand hinged)
- Plain side panels fitted both sides
- Vented top panel
- Supplied with pack of Fifty (50) #12/24 cage nuts and screws
- Supplied fully assembled and palletized

If the standard specification cabinets shown do not meet your application requirements, use the "Easy Step Configurator" on page 265.

Accessories and additional options are available as detailed on pages 272 - 275.

	Cooper B-Line Catalog No.	Side Panel Style	Effective U	Overall Cabinet Height		Width		Depth	
				in.	(mm)	In.	(mm)	in.	(mm)
EIA Square Hole Mounting Rails	V422924ACDTSSSVB	Full	42U	78.9	(2004)	29.5	(750)	24	(610)
	V422930ACDTSSSVB	Full	42U	78.9	(2004)	29.5	(750)	30	(762)
	V422936ACDTSSSVB	Full	42U	78.9	(2004)	29.5	(750)	36	(915)
	V422942ACDTSSSVB	Full	42U	78.9	(2004)	29.5	(750)	42	(1067)
	V422948ACDTSTTVB	Split	42U	78.9	(2004)	29.5	(750)	48	(1219)
	V452924ACDTSSSVB	Full	45U	84.1	(2137)	29.5	(750)	24	(610)
	V452930ACDTSSSVB	Full	45U	84.1	(2137)	29.5	(750)	30	(762)
	V452936ACDTSSSVB	Full	45U	84.1	(2137)	29.5	(750)	36	(915)
	V452942ACDTSSSVB	Full	45U	84.1	(2137)	29.5	(750)	42	(1067)
	V452948ACDTSTTVB	Split	45U	84.1	(2137)	29.5	(750)	48	(1219)
#12-24 Tapped Hole Mounting Rails	V472924ACDTSSSVB	Full	47U	87.6	(2226)	29.5	(750)	24	(610)
	V472930ACDTSSSVB	Full	47U	87.6	(2226)	29.5	(750)	30	(762)
	V472936ACDTSSSVB	Full	47U	87.6	(2226)	29.5	(750)	36	(915)
	V472942ACDTSSSVB	Full	47U	87.6	(2226)	29.5	(750)	42	(1067)
	V472948ACDTSTTVB	Split	47U	87.6	(2226)	29.5	(750)	48	(1219)
	V422924BCDTSSSVB	Full	42U	78.9	(2004)	29.5	(750)	24	(610)
	V422930BCDTSSSVB	Full	42U	78.9	(2004)	29.5	(750)	30	(762)
	V422936BCDTSSSVB	Full	42U	78.9	(2004)	29.5	(750)	36	(915)
	V422942BCDTSSSVB	Full	42U	78.9	(2004)	29.5	(750)	42	(1067)
	V422948BCDTSTTVB	Split	42U	78.9	(2004)	29.5	(750)	48	(1219)
	V452924BCDTSSSVB	Full	45U	84.1	(2137)	29.5	(750)	24	(610)
	V452930BCDTSSSVB	Full	45U	84.1	(2137)	29.5	(750)	30	(762)
	V452936BCDTSSSVB	Full	45U	84.1	(2137)	29.5	(750)	36	(915)
	V452942BCDTSSSVB	Full	45U	84.1	(2137)	29.5	(750)	42	(1067)
	V452948BCDTSTTVB	Split	45U	84.1	(2137)	29.5	(750)	48	(1219)
	V472924BCDTSSSVB	Full	47U	87.6	(2226)	29.5	(750)	24	(610)
	V472930BCDTSSSVB	Full	47U	87.6	(2226)	29.5	(750)	30	(762)
	V472936BCDTSSSVB	Full	47U	87.6	(2226)	29.5	(750)	36	(915)
	V472942BCDTSSSVB	Full	47U	87.6	(2226)	29.5	(750)	42	(1067)
	V472948BCDTSTTVB	Split	47U	87.6	(2226)	29.5	(750)	48	(1219)

Details subject to change without written notice.

Forced air remains the most common and reliable method for cooling electronics. Most common servers and switches incorporate fans to draw cool air into the unit and exhaust warm air out of the unit.

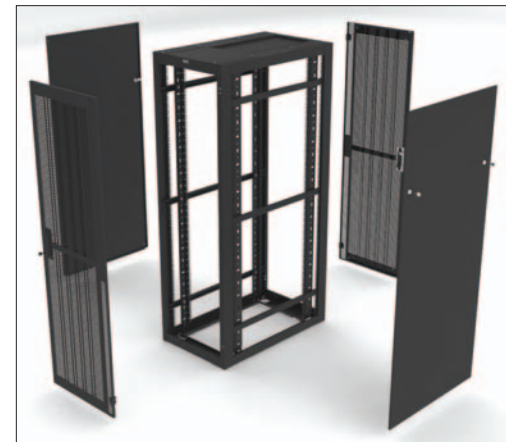
Although other environmental considerations need to be made, the number one priority when specifying a suitable server cabinet configuration is to ensure sufficient air is able to both enter the cabinet and be exhausted out of the cabinet. This is most commonly achieved by fitting high flow vented doors offering around an 80% free area on the front and the rear of the cabinet.

Cooper B-Line recommends the use of wider cabinets when side to side heat dissipating equipment, such as switches, are deployed. See the V-LINE™ Switch Cabinet details on page 269 for further details and suggestions.

For higher density applications the V-LINE range offers a series of modular accessories designed to help enhance the internal operating environment within the cabinet space, helping to avoid hot air crossover and the risk of hot spots.

V-LINE™ Server Cabinets are comprised of the following features:

- 24" wide welded frame assembly with open base
- Supplied with four (4) off jacking feet
- Supplied with two pair of fully adjustable 19-inch mounting rails centrally mounted in the cabinet
- High flow vented doors fitted front and rear, configured with standard locking swing handles (doors right hand hinged)
- Plain side panels fitted both sides
- Plain top panel
- Supplied with pack of fifty (50) #12/24 cage nuts and screws
- Supplied fully assembled and palletized



If the standard specification cabinets shown do not meet your application requirements, use the "Easy Step Configurator" on page 265.

Accessories and additional options are available as detailed on pages 272 - 275.

	Cooper B-Line Catalog No.	Side Panel Style	Effective U	Overall Cabinet Height		Width		Depth	
				in.	(mm)	In.	(mm)	in.	(mm)
EIA Square Hole Mounting Rails	V422442ACWWTSSSB	Full	42U	78.9	(2004)	24	(610)	42	(1067)
	V422448ACWWTSSB	Split	42U	78.9	(2004)	24	(610)	48	(1219)
	V452442ACWWTSSSB	Full	45U	84.1	(2137)	24	(610)	42	(1067)
	V452448ACWWTSSB	Split	45U	84.1	(2137)	24	(610)	48	(1219)
	V472442ACWWTSSSB	Full	47U	87.6	(2226)	24	(610)	42	(1067)
	V472448ACWWTSSB	Split	47U	87.6	(2226)	24	(610)	48	(1219)
#12-24 Tapped Hole Mounting Rails	V422442BCWWTSSSB	Full	42U	78.9	(2004)	24	(610)	42	(1067)
	V422448BCWWTSSB	Split	42U	78.9	(2004)	24	(610)	48	(1219)
	V452442BCWWTSSSB	Full	45U	84.1	(2137)	24	(610)	42	(1067)
	V452448BCWWTSSB	Split	45U	84.1	(2137)	24	(610)	48	(1219)
	V472442BCWWTSSSB	Full	47U	87.6	(2226)	24	(610)	42	(1067)
	V472448BCWWTSSB	Split	47U	87.6	(2226)	24	(610)	48	(1219)

Details subject to change without written notice.

For applications where side to side vented equipment is installed, Cooper B-Line recommends the use of wider cabinets configured with the mounting rails fitted centrally. This cabinet configuration allows the supply of air to be adequately provisioned at the equipment air intake location and helps to avoid back pressure at the equipment exhaust. Like the V-LINE™ Server Cabinet range, the V-LINE Switch Cabinet can be fitted with a range of modular accessories designed to help enhance the internal operating environment within the cabinet space. These enhancements help to avoid hot air crossover and help reduce the chance of hot spots.



V-LINE™ Switch Cabinets are comprised of the following features:

- 29 1/2" wide welded frame assembly with open base
- Supplied with four (4) off jacking feet
- Supplied with two pair of fully adjustable 19-inch mounting rails centrally mounted in the cabinet
- High flow vented door fitted front, configured with standard locking swing handle (doors right hand hinged)
- High flow double vented doors fitted rear, configured with standard locking swing handle (doors right hand hinged)
- Plain top panel
- Supplied with pack of fifty (50) #12/24 cage nuts and screws
- Supplied fully assembled and palletized

If the standard specification cabinets shown do not meet your application requirements, use the "Easy Step Configurator" on page 265.

Accessories and additional options are available as detailed on pages 272 - 275.

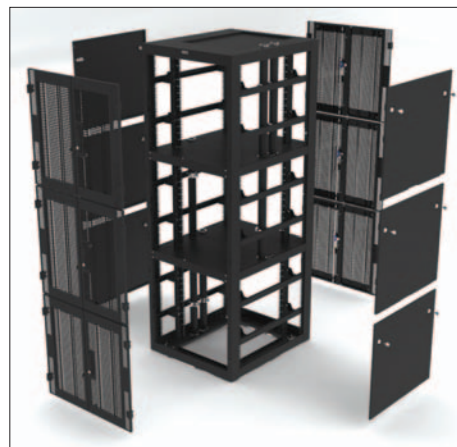
	Cooper B-Line Catalog No.	Side Panel Style	Effective U	Overall Cabinet Height		Width		Depth	
				in.	(mm)	in.	(mm)	in.	(mm)
EIA Square Hole Mounting Rails	V422942ACWXTSSSB	Full	42U	78.9	(2004)	29.5	(750)	42	(1067)
	V422948ACWXTTTSB	Split	42U	78.9	(2004)	29.5	(750)	48	(1219)
	V452942ACWXTSSSB	Full	45U	84.1	(2137)	29.5	(750)	42	(1067)
	V452948ACWXTTTSB	Split	45U	84.1	(2137)	29.5	(750)	48	(1219)
	V472942ACWXTSSSB	Full	47U	87.6	(2226)	29.5	(750)	42	(1067)
	V472948ACWXTTTSB	Split	47U	87.6	(2226)	29.5	(750)	48	(1219)
#12-24 Tapped Hole Mounting Rails	V422942BCWXTSSSB	Full	42U	78.9	(2004)	29.5	(750)	42	(1067)
	V422948BCWXTTTSB	Split	42U	78.9	(2004)	29.5	(750)	48	(1219)
	V452942BCWXTSSSB	Full	45U	84.1	(2137)	29.5	(750)	42	(1067)
	V452948BCWXTTTSB	Split	45U	84.1	(2137)	29.5	(750)	48	(1219)
	V472942BCWXTSSSB	Full	47U	87.6	(2226)	29.5	(750)	42	(1067)
	V472948BCWXTTTSB	Split	47U	87.6	(2226)	29.5	(750)	48	(1219)

Details subject to change without written notice.

The V-LINE™ Co-Locate Cabinet range is a completely new addition to the cabinet platform. This cabinet is available in two bay and three bay configurations, in 36", 42" and 48" depth variants.

V-LINE™ Co-Locate Cabinets are comprised of the following features:

- 29.5" wide welded frame assembly with open base
- Supplied with four (4) off jacking feet
- Fitted with internal cable chases to provide secure cable access to each bay
- Supplied with two pair of fully adjustable 19-inch mounting rails centrally mounted in the cabinet
- High flow vented doors fitted at the front and rear of each bay, configured with standard locking swing handles
- Plain lockable side panels fitted both sides of each bay
- Plain top panel
- Supplied with pack of 50 off #12/24 cage nuts and screws
- Supplied fully assembled and palletized



If the standard specification cabinets shown do not meet your application requirements, use the "Co-Locate Easy Step Configurator" on page 271.

Accessories and additional options are available as detailed on pages 272-275.

	Catalog No.	Number Of Bays	Effective U	Overall Cabinet Height		Width		Depth	
				in.	(mm)	In.	(mm)	in.	(mm)
EIA Square Hole Mounting Rails	VC2452938AXXTSSSSB	2	44U	84.1	(2137)	29.5	(750)	36	(915)
	VC2452942AXXTSSSSB	2	44U	84.1	(2137)	29.5	(750)	42	(1067)
	VC2452948AXXTSSSSB	2	44U	84.1	(2137)	29.5	(750)	48	(1219)
	VC3452936AXXTSSSSB	3	42U	84.1	(2137)	29.5	(750)	36	(915)
	VC3452942AXXTSSSSB	3	42U	84.1	(2137)	29.5	(750)	42	(1067)
	VC3452948AXXTSSSSB	3	42U	84.1	(2137)	29.5	(750)	48	(1219)
#12-24 Tapped Hole Mounting Rails	VC2452936AXXTSSSSB	2	44U	84.1	(2137)	29.5	(750)	36	(915)
	VC2452942AXXTSSSSB	2	44U	84.1	(2137)	29.5	(750)	42	(1067)
	VC2452948AXXTSSSSB	2	44U	84.1	(2137)	29.5	(750)	48	(1219)
	VC3452936AXXTSSSSB	3	42U	84.1	(2137)	29.5	(750)	36	(915)
	VC3452942AXXTSSSSB	3	42U	84.1	(2137)	29.5	(750)	42	(1067)
	VC3452948AXXTSSSSB	3	42U	84.1	(2137)	29.5	(750)	48	(1219)

Details subject to change without written notice.

VC	V-LINE™ Co-Locate Cabinet	Options
2	Compartments	2 = 2-Bay (22U per compartment) 3 = 3-Bay (14U per compartment)
45	Cabinet Height	45U
29	Cabinet Width	29 = 29 1/2"
42	Cabinet Depth	36 = 36" 42 = 42" 48 = 48"
A	Mounting Rail Type	A = 19" Square Holes <i>Rails only available centered on co-locate cabinets</i> B = 19" #12-24 Tapped Holes
V	Front Door	V = High Flow Vented LH A = Acrylic LH W = High Flow Vented RH B = Acrylic RH X = High Flow Vented Split* S = Solid LH T = Solid RH <i>* Only available with T & D locking options.</i> N = None
X	Rear Door	
S	Locking Options	S = Swing Handle (single point) D = Combo Handle (3-point) C = Combo Handle (single point) P = i-PAL Handle (2-point) T = Swing Handle (3-point) N = None
S	Left Hand (LH) Side Panel Configuration	S = Solid V = Vented N = None
S	Right Hand (RH) Side Panel Configuration	
V	Top Panel Configuration	S = Solid Top 2 = 210 CFM Fan Top 1 = 1100 CFM Fan Top V = Vented Top 4 = 420 CFM Fan Top N = None 5 = 550 CFM Fan Top
B	Finish	A = Gray B = Black

Details subject to change without written notice.



V-LINE Top Panels

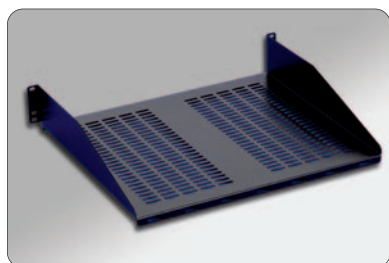
- Universal cut-out on top of the V-Line frame accommodates all top panels
- Secure installation via 24" (610mm) mounting rails welded to top of frame
- Available in solid top, vented top, or fan tops for increased airflow
- Fan tops can hold up to four 105 CFM fans or two 550 CFM fans
- Finished with a textured, semi-gloss, black powder coat finish



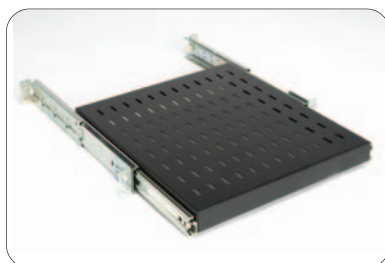
V-LINE Bottom Panels

- Completely fills the open area at the base of the cabinet
- Secured to frame via included hardware
- Filler panel options available
- Includes four VOZIP cable entry knockout plates
- Finished with a textured, semi-gloss, black powder coat finish

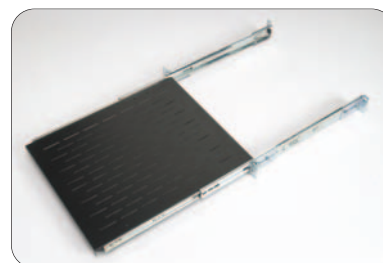
V-LINE Accessories



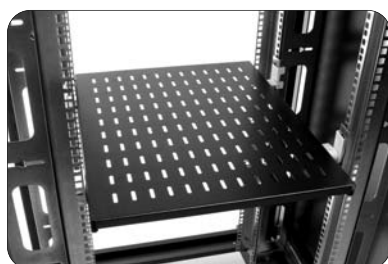
Cantilever Shelf



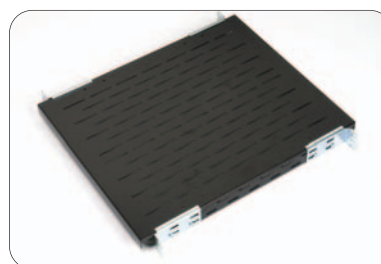
Universal Quick Fit Sliding Shelf



Sliding Shelf



Universal Quick Fit Fixed Shelf



Fixed Shelf



Narrow Cable Hook



Cable Guide



Cage Nuts



Screws



V-LINE Caster Kit

The V-Line caster kit features a unique, drop-in design that helps simplify the installation process. Casters have a 300 lb (136kg) dynamic load rating each allowing for a 1200 lb (544kg) dynamic load for cabinet on casters. Caster kits include four casters and installation hardware.

Part Number	Weight Each	
	lbs.	(kg)
VCK	7	(3)



V-LINE Seismic Bolt-Down Kit

This kit includes four anchor plates and is used with isolated seismic anchors to attach the frame to a concrete floor in seismic applications. Kit includes the anchor plates and the hardware required to attach to the V-Line frame but seismic anchors are sold separately.

	Part Number	Weight Each	
		lbs.	(kg)
Seismic Bolt-Down Kit	VSB DK	2.9	(1.3)
Seismic Anchors (Hex Nut Type)	ASSAM12157HN	0.1	(0.05)



Cable Entry Knockout Plate



Plastic Bushing

V-LINE Removable / Replaceable Cable Entry Knockout Plates

These plates are designed to help maximize the area available for cable entry into the V-Line enclosures while eliminating large open areas that would limit security, aesthetics and the ability to keep contaminants and debris out. Four of these plates are included with each V-Line frame. These 13" (330mm) x 3 3/4" (95mm) removable plates feature three 2 1/2" (58mm) / 3" (76mm) concentric knockouts allowing numerous different cable entry options in each corner of the V-Line frame. The V-Line bottom panel also includes four VOZIP plates as well for the same benefits when bringing cables in from the bottom of the enclosure. Optional plastic bushings fit in the openings to enhance appearance and offer additional protection for the cables.

	Part Number	Weight Each	
		lbs.	(kg)
Cable Entry Knockout Plate	VOZIP	0.7	(0.3)
2 1/2" Plastic Bushing (2 pack)	E013603	0.1	(0.05)
3" Plastic Bushing (2 pack)	E018757	0.1	(0.05)

V-LINE Brush Strips Cable Opening Plates

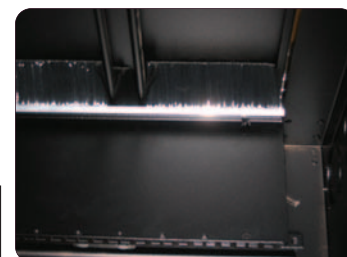
These plates are designed to maximize the area available for cable entry into the V-Line enclosures while limiting air leakage out of the cabinet and limiting the entry of dust and debris. These 13" (330mm) x 3³/₄" (95mm) removable plates install perfectly in the space where the VOZIP plates are installed on the V-Line frames. The V-Line bottom panel also includes four spaces where this plate can be used for the same benefits when bringing cables in from the bottom of the enclosure.



Part Number	Weight Each	
	lbs.	(kg)
VBCOK	0.25	(0.11)

V-LINE Air Dam / Cable Manager Kit

This kit is used to provide a means of combining cable management fingers to organize patch cords and brush strips to help manipulate airflow through the cabinet. The 11U high cable management fingers are installed between the rack mounted equipment and the mounting rails. The brush strip sections are secured to the back of the mounting rails with plastic push-in fasteners and do not interfere with any available mounting spaces. Cable management fingers can be purchased separately.



	Part Number	Enclosure Size	Weight Each	
			lbs.	(kg)
Air Dam / Cable Manager Kits	VADCM4224B	42U x 24" (610mm)	16.6	(7.5)
	VADCM4229B	42U x 29 ¹ / ₂ " (749mm)	19.5	(8.8)
	VADCM4724B	47U x 24" (610mm)	18.5	(8.4)
	VADCM4729B	47U x 29 ¹ / ₂ " (749mm)	21.8	(9.9)
Cable Manager 11U Finger Kit	SB860FSFB	--	0.9	(0.4)

Cabinet Ganging Kit

The V-LINE™ Cabinet frame has been updated to include a simpler ganging facility. Each cabinet frame has knock-outs in the side members, allowing frames to be butted side by side, and simply fastened together. This feature allows the cabinets to be ganged with or without side panels fitted.

Ganging kits include six (6) bolts and six (6) flange nuts



UPC Number	Cooper B-Line Catalog Number
79903839125	VLGK



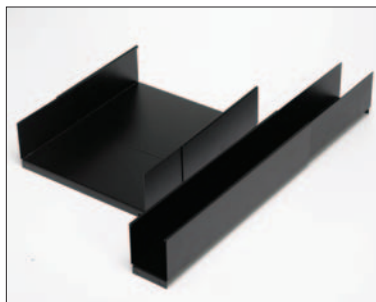
Enhanced Vertical Cable Manager Kit

Developed to provide enhanced vertical cable management, these new cable manager kits have been designed specifically to complement the 29 1/2" (749mm) V-LINE™ cabinet platform. The 2 3/4" (70mm) wide units can be fitted on the left hand and right hand side of the cabinets with the mounting rails positioned centrally. The 5 1/2" (140mm) wide units can only be fitted on the left or right to match the optional mounting rail offset configurations.

- Can factory fitted or easily retro-fitted in the field
- Split doors for improved operation and easy removal
- Integral cable tie lances and multiple mounting points for twist and lock cable management arms
- Steel material with UL 94V-0 black plastic components
- Black RAL 9005 epoxy polyester powder coat paint finish

UPC Number	Cooper B-Line Catalog Number	Cabinet Unit Height	Cabinet Width		Offset
			in.	(mm)	
79903839187	VVCMC24FB	24U	2 3/4"	(70)	Center
79903839189	VVCMC38FB	38U			
79903838355	VVCMC42FB	42U			
79903839191	VVCMC45FB	45U			
79903838356	VVCMC47FB	47U			
79903839188	VVCMS24FB	24U	5 1/2"	(140)	Offset Left or Right
79903839190	VVCMS38FB	38U			
79903838357	VVCMS42FB	42U			
79903839192	VVCMS45FB	45U			
79903838358	VVCMS47FB	47U			

Horizontal Cable Trough Kit



Designed to span between front and rear mounted enhanced vertical cable managers, these cable troughs simply clip into the rear of the vertical manager in line with the cable pass through.

- Can factory fitted or easily retro-fitted in the field
- Available in two widths
- Available in varying depth ranges
- Black RAL 9005 epoxy polyester powder coat paint finish

UPC Number	Cooper B-Line Catalog Number	Min. Depth Adjustment		Max. Depth Adjustment		To Suit Vertical Manager Configuration	
		in.	(mm)	in.	(mm)	in.	(mm)
79903838391	ACCT070400B	10 1/4"	(260)	15 7/8"	(403)	2.785"	(70)
79903838392	ACCT070590B	14 3/8"	(365)	23 3/8"	(594)	2.785"	(70)
79903838393	ACCT070890B	18 1/8"	(460)	31 1/8"	(790)	2.785"	(70)
79903838397	VCT5501600B	10 1/4"	(260)	15 7/8"	(403)	5.5"	(140)
79903838398	VCT5502350B	14 3/8"	(365)	23 3/8"	(594)	5.5"	(140)
79903838399	VCT5503525B	18 1/8"	(460)	31 1/8"	(790)	5.5"	(140)

Details subject to change without written notice.

V-LINE Dual Hinge Wall Mount Cabinet

- Used to provide a cost effective, versatile and secure means to mount communications cabling, networking gear, and related equipment on a wall.
- Enclosure features fully welded, 16 gauge (1.5mm) cold rolled steel construction.
- Ships ready to mount to the wall as left hinged or right hinged opening.
- Heavy duty, field reversible hinge and lock system.
- Rear section can easily be separated from the cabinet for simple installation onto a wall.
- Rear sections feature removable plates with either multiple knockouts for conduit or bushing installation or a high-density foam gland plate for ease of installing pre-terminated patch panels.
- Provisioned for 16" (406mm) on-center mounting and multiple wire management lances for cable tie points or accessory mounting.
- Available with locking solid steel or smoked Plexiglas insert doors.
- Fully adjustable EIA/ECA-310-E compliant mounting rail system with #12-24 tapped rails.
- UL listed to the UL60950 standard - file number E235184.
- 24" (609mm) and 36" (914mm) high cabinets rated for 200 lb (91kg) load; 48" (1219mm) high cabinets are rated for 300 lb (136kg) load.
- Designed to help keep installed equipment cool with adequate ventilation areas and easy adaptation to available fan kits and intake air filter kits.
- Available in Black and Light Gray powder coat finishes.



Accessories

	Part Number	Description
Thermal Management	VLWMFKB	105 CFM Fan Kit with filter, power cord and blanking plates
Power Management	SB30051020FB	Power strip, 10 outlet, 20 amp
	SB3005815FB	Power strip, 8 outlet, 15 amp
	SB30061015FB	Power strip, 10 outlet, 15 amp, surge protected
Cable Management	SB30051020FB	Power strip, 10 outlet, 20 amp
	79903821893	3" snap bushing kit
	SB87019S1FB	1U horizontal cable manager
	SB87019S2FB	2U horizontal cable manager
	SB30061015FB	Power strip, 10 outlet, 15 amp, surge protected
Accessories	VLWMSMB45B	V-Line 45° equipment mounting bracket
	VLWMSMBH90B	V-Line 90° horizontal equipment mounting bracket
	VLWMSMBV90B	V-Line 90° vertical equipment mounting bracket

V-LINE Dual Hinge Wall Mount Cabinet - cont.

Part Number	Panel Units	Height		Width		Depth		Max Usable Depth		Swing Out Body Depth	
		in	(mm)	in	(mm)	in	(mm)	in	(mm)	in	(mm)
VLWM2420 * __	12	24.125	(613)	24.7	(627)	20.00	(508)	18.5	(470)	14.00	(356)
VLWM2425 * __						25.00	(635)	23.5	(597)	19.00	(483)
VLWM2430 * __						30.00	(762)	28.5	(724)	24.00	(610)
VLWM3620 * __	19	36.375	(924)	24.7	(627)	20.00	(508)	18.5	(470)	14.00	(356)
VLWM3625 * __						25.00	(635)	23.5	(597)	19.00	(483)
VLWM3630 * __						30.00	(762)	28.5	(724)	24.00	(610)
VLWM4820 * __	26	48.625	(1235)	24.7	(627)	20.00	(508)	18.5	(470)	14.00	(356)
VLWM4825 * __						25.00	(635)	23.5	(597)	19.00	(483)
VLWM4830 * __						30.00	(762)	28.5	(724)	24.00	(610)

Part Number	Load Capacity		Approx. Weight With			
	Lbs	(kg)	Plexiglas Door		Solid Door	
			Lbs	(kg)	Lbs	(kg)
VLWM2420 * __	200	(91)	62	(28)	61	(28)
VLWM2425 * __	200	(91)	69	(31)	70	(32)
VLWM2430 * __	200	(91)	78	(35)	79	(36)
VLWM3620 * __	200	(91)	79	(36)	80	(36)
VLWM3625 * __	200	(91)	89	(40)	90	(41)
VLWM3630 * __	200	(91)	99	(45)	100	(46)
VLWM4820 * __	300	(136)	96	(44)	98	(44)
VLWM4825 * __	300	(136)	108	(49)	111	(50)
VLWM4830 * __	300	(136)	121	(55)	123	(56)

OPA *

* **Door code** - Insert P for Plexiglas door or S for solid steel door.

__ **Finish code** - Insert A for Light Gray or B for Black

* For the above VLWM cabinets only. See page 344 for OPA details.

VWM Single Section Wall Mount Cabinet

- Used to provide a cost effective, practical, and secure means to mount communications cabling, networking gear, and related equipment on a wall.
- Features a fully welded, single piece, 18 gauge cold rolled steel frame.
- Includes one pair of fully adjustable EIA square hole mounting rails and (50) M6 cage nuts and screws.
- Includes a tempered glass door that is removable, reversible, lockable, and features 180 degree opening.
- Includes removable, locking side panels for ease of access to installed equipment and cabling.
- Designed to help keep installed equipment cool with adequate ventilation areas and easy adaptation to available 4.5" (114mm) fan kit (2 x 105 CFM fans).
- Cable entry gland plate on top and bottom of the cabinet allows for easy cable installation and maintenance.
- Multiple cable tie lances on the rear of the cabinet for cable tie points or accessory mounting.
- UL listed to the UL60950 standard - file number E235184.
- 150 lb. (68kg) load rating.
- Available in RAL 9005 black powder coat finish.



Accessories

	Part Number	Description
Thermal Management	VWMFANKIT	Fan Kit, 110V, 210 CFM (2 x 105 CFM)
	AFA105AC	Single 105 CFM Fan Kit
Power Management	SB30061015FB	Power strip, 10 outlet, 15 amp, surge protected
	SB30051020FB	Power strip, 10 outlet, 20 amp
	SB3006815FB	Power strip, 8 outlet, 15 amp
Cable Management	SB87019S1FB	1U horizontal cable manager
	SB87019S2FB	2U horizontal cable manager
Accessories	VWMDBF	Door blanking film kit
	VWMM6KIT	M6 Hardware Kit (50 M6 Cage Nuts/Screws)
	VWM24MR1224FB	#12-24 Tapped Mounting Rail Kit for 24" high VWM Enclosures
	VWM36MR1224FB	#12-24 Tapped Mounting Rail Kit for 36" high VWM Enclosures
	VWM48MR1224FB	#12-24 Tapped Mounting Rail Kit for 48" high VWM Enclosures

VWM Single Section Wall Mount Cabinet - cont.

Part Number	Panel Units	Height		Width		Depth		Max Usable Depth	
		in	(mm)	in	(mm)	in	(mm)	in	(mm)
VWM242412	11	24	(610)	24	(610)	12.00	(305)	11	(279)
VWM242418						18.00	(457)	17	(432)
VWM242424						24.00	(610)	23	(584)
VWM362412	18	36	(914)	24	(610)	12.00	(305)	11	(279)
VWM362418						18.00	(457)	17	(432)
VWM362424						24.00	(610)	23	(584)
VWM482424	26	48	(1219)	24	(610)	18.00	(457)	23	(584)

Part Number	Load Capacity		Weight	
	Lbs	(kg)	Lbs	(kg)
VWM242412	150	(68)	40	(18)
VWM242418	150	(68)	48	(22)
VWM242424	150	(68)	57	(26)
VWM362412	150	(68)	54	(24)
VWM362418	150	(68)	64	(29)
VWM362424	150	(68)	74	(34)
VWM482424	150	(68)	92	(42)



OPA *

E2Z4 Cabinet Features

- Tested in accordance with NEBS GR-63-CORE and ANSI T1.329. Complete Bellcore test results available upon request on cabinets up to 30" (762mm) deep.
- Seismic anchor kits. Kit includes seismic rated anchor bolts, leveling shims, and anchor plates.
- Reinforced cabinet frame for added rigidity.
- Heavy duty 12 ga. (2.6mm) steel welded frame.
- Lift-off locking solid side panels with compression latches. (Other type/style patterns available.)
- Smoked plexiglass removable front locking door. (Other type/style patterns available.)
- Louvered top/bottom removable rear locking door. Other type/style patterns available.
- Two (2) pair of heavy-duty adjustable mounting rails available with #12-24 tapped holes or square pierced holes (for cage nuts).
- Load Capacity in non-seismic applications is 2500 lbs. (1134kg).
- Load Capacity 850 lbs. (386kg), [450 lbs. (204kg) equipment weight] in accordance with NEBS GR-63-CORE and ANSI T1.329.
- Lift lugs (4) in corners of top frame - threaded $\frac{5}{8}$ " engaged 11 threads.
- Open base for floor-routed cable access.
- Perforated top panel for ventilation and optional fan mounting.
- Quick-release hinge design permits fast and easy removal of front and rear doors.
- Two (2) 3" (76mm) diameter holes with snap in bushings to protect cables.
- Fifty (50) #12-24 mounting screws for tapped rails or fifty (50) #12-24 screws and fifty (50) #12-24 cage nuts for square pierced rails.

Select from the following options:

- Two (2) standard colors (custom colors available upon request).
- Four (4) heights, two (2) widths and nine (9) depths. Depths up to 30" (762mm) are seismically qualified.
- 19" (482mm) or 23" (584mm) EIA mounting options.

Mounting Rails
Usable "U" space chart
1U = 1.75" (44mm)

Cabinet Height		Mounting Units U
60"	(1524mm)	29
72"	(1829mm)	36
78"	(1981mm)	39
84"	(2133mm)	43

*See page 344 for OPA details.

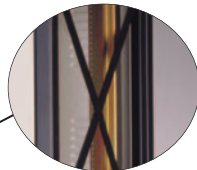
Ordering E2Z4 Cabinets

E2Z4 722426 19 24 B

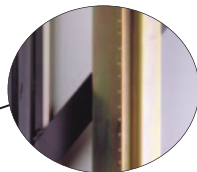
Product	Cabinet Dimensions			EIA Mounting	Hole Style	Color
E2Z4 Cabinet	Height	Width *	Depth			
	60" (1524mm)	24" (609mm)	24" (609mm)	19" (482mm)	24 = #12-24 Tapped Holes	A = Gray
	72" (1829mm)	29" (736mm)	26" (660mm)	23" (584mm)		B = Black
	78" (1981mm)		28" (711mm)		SQ = Square Pierced Rails	
	84" (2133mm)		30" (762mm)			

* 24" only available for 19" EIA
29" available for 19" or 23" EIA

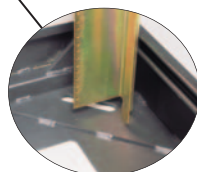
ELECTRONIC ENCLOSURES



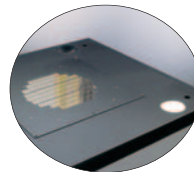
Lateral Cross Bracing
Adds rigidity to cabinet in seismic situations.



#12-24 Tapped or Square Pierced Mounting Rail Options
Improves installment flexibility.



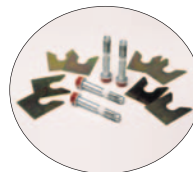
Heavy Duty Corner Construction
Extra welded gusset plates maintain cabinet integrity in seismic situations.



Top Panel
Perforated for better ventilation and fan mounting. 3" (76mm) cable access holes provided in every cabinet. Solid and louvered styles are available.



Heavy-Duty Side Panel Compression Latch
Ergonomic design is rugged and built to last

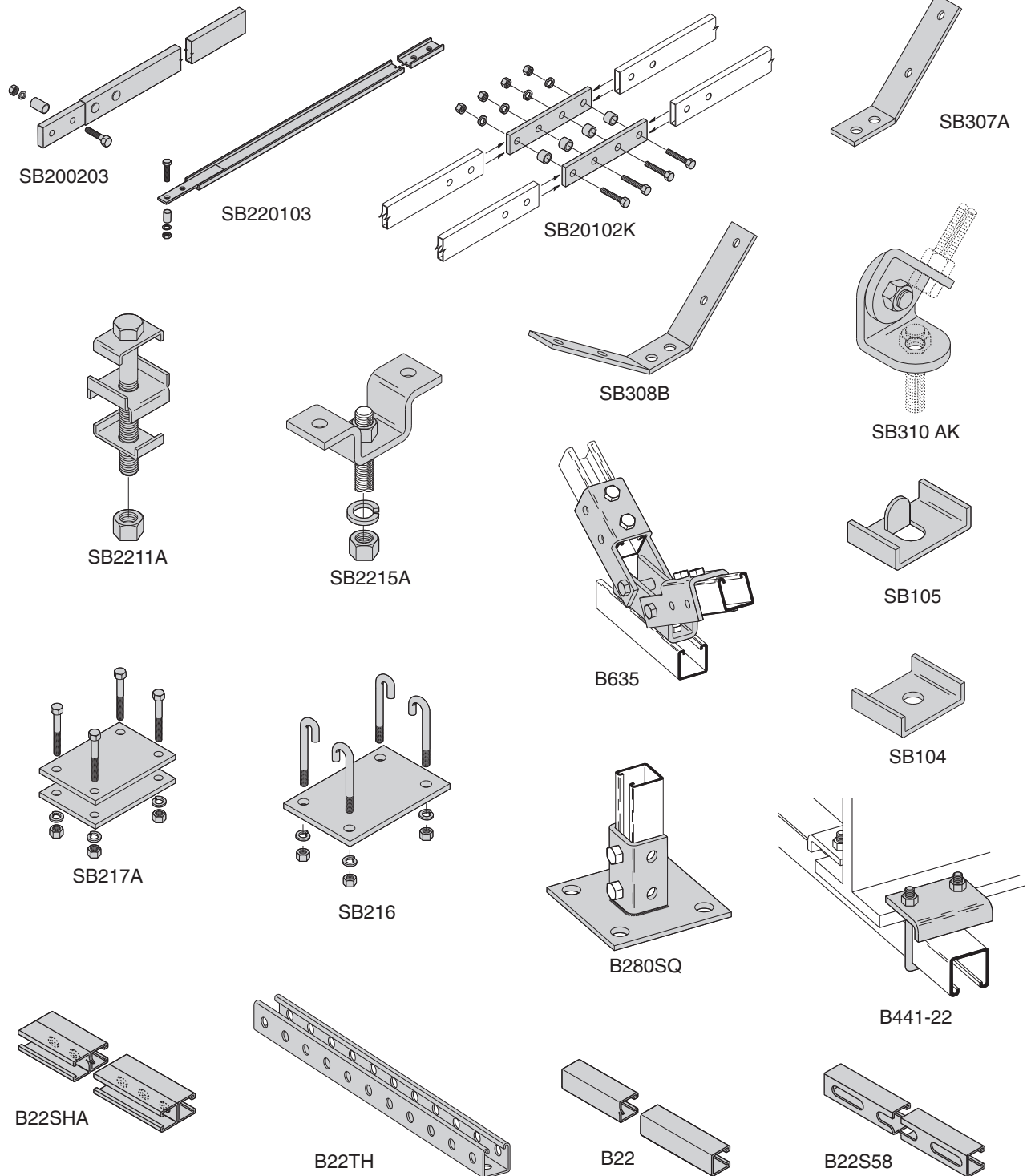


Seismic Anchor Kit



For other cabinet options including heavy duty non-seismic rated applications, please see catalog SZ4B-11

Auxiliary Supports & Accessories



Auxiliary Supports & Accessories

Cooper B-Line manufactures top-quality auxiliary supports for communications equipment. Our products are suitable for overhead or underfloor installations in customer premise or central office applications. Cooper B-Line offers an extensive variety of supports to meet your framing requirements. The primary methods of support are: SB20 Series - 2" (51mm) x 9/16" (14mm) Tube, SB22 Series - 2" (51mm) x 9/16" (14mm) Channel, SB23 Series - 2" (51mm) x 3/8" (9mm) Bar, SB24 Series - 2" (51mm) x 1" (25mm) Channel, and SB212 Series of support angles.

Along with auxiliary supports, Cooper B-Line offers all the necessary accessories to complete your job. Cooper B-Line has accessories which suspend from the ceiling, secure to the wall, and junction together all styles of auxiliary support.

In addition, Cooper B-Line provides strut channel and fittings as an alternative to the traditional methods of auxiliary support. Strut is a bolt-together system of auxiliary support. Together with strut fittings, strut can be configured in endless combinations to provide a solution to any installation problem. Furthermore, Cooper B-Line can furnish 'Telescoping Strut', which offers an even more flexible and cost-effective way of addressing difficult overhead and underfloor bracing problems.

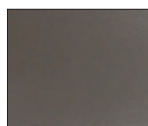
Superior design and top-quality manufacturing make Cooper B-Line the industry standard.

Material:

<u>Type</u>	<u>Thickness</u>	<u>Specifications</u>
Steel Shapes	.. 3/16" (4.8mm) - 3/8" (9.5mm)	ASTM A36
Steel Strip	042 (1.0mm) - .135 (3.4mm)	ASTM A1011
Steel Tube	060 (1.5mm)	ASTM A513
Copper Bar		ASTM B187, B152
Silicon Bronze		ASTM F468, F467, F651

Finishes:

Powder Coat Paint	
- Telco Gray (TG)	
- Flat Black (FB)	
- Yellow Zinc (YZ)	ASTM B633



(TG)
Telco Gray



(FB)
Flat Black



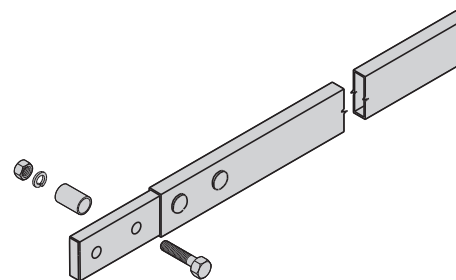
(YZ)
Yellow Zinc

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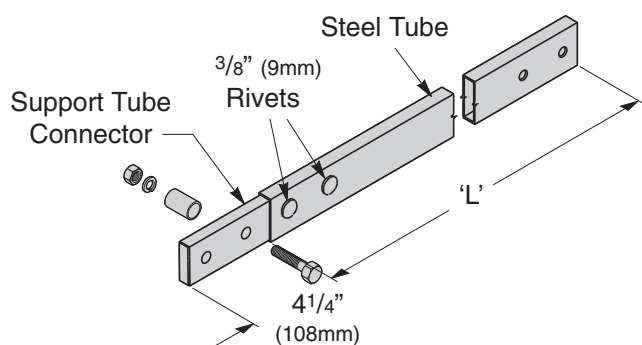
2" x 9/16" Support Tube

- Use as an auxiliary support.
- 2" (51mm) x 9/16" (14mm) x .060 (1.5mm) steel tube.
- Normally used in pairs.
- 9/16" (14mm) diameter attachment holes where shown.
- Includes: Pre-assembled tube, spacer and hardware for 01 and 02 styles only.
- Material: ASTM A513 steel tube
ASTM A36 structural steel splices
- Finish___: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)



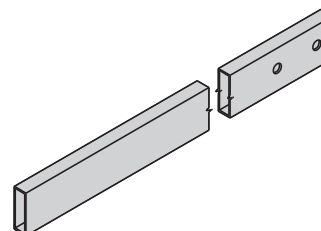
SB2002()

With Pre-assembled Riveted Splice

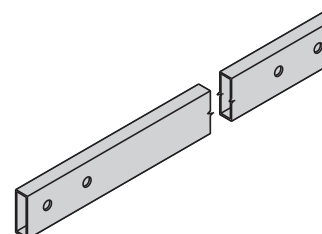


SB2001()

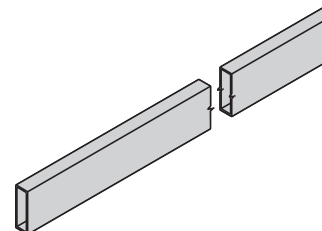
With Pre-assembled Riveted Splice



SB2003()



SB2004()



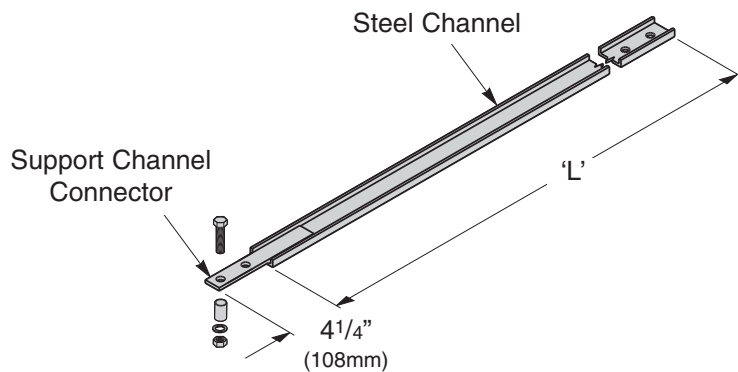
SB2005()

Part Number	Length 'L'		Weight	
	Ft.	(m)	Lbs.	(kg)
SB200103__	3'	(.91)	4.6	(2.1)
SB200105__	5'	(1.52)	6.6	(3.0)
SB200110__	10'	(3.05)	11.6	(5.2)
SB200203__	3'	(.91)	4.6	(2.1)
SB200205__	5'	(1.52)	6.6	(3.0)
SB200210__	10'	(3.05)	11.6	(5.2)
SB200303__	3'	(.91)	3.0	(1.3)
SB200305__	5'	(1.52)	5.0	(2.2)
SB200310__	10'	(3.05)	10.0	(4.5)
SB200403__	3'	(.91)	3.0	(1.3)
SB200405__	5'	(1.52)	5.0	(2.2)
SB200410__	10'	(3.05)	10.0	(4.5)
SB200503__	3'	(.91)	3.0	(1.3)
SB200505__	5'	(1.52)	5.0	(2.2)
SB200510__	10'	(3.05)	10.0	(4.5)

 YZ is a popular Bee List item

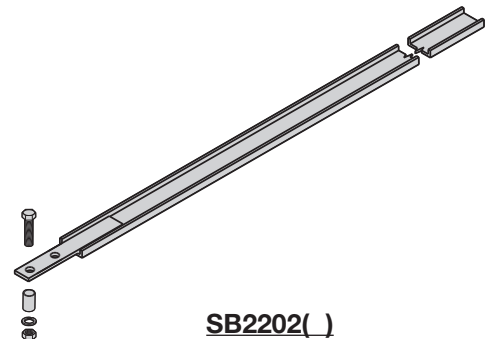
2" x 9/16" Support Channel

- Use as an auxiliary support.
- 2" (51mm) x 9/16" (14mm) x 3/16" (5mm) steel channel.
- Normally used in pairs.
- 9/16" (14mm) diameter attachment holes where shown.
- Includes: Pre-assembled channel, spacer, and hardware for 01 and 02 styles only.
- Material: ASTM A36 structural steel splices
ASTM A36 structural steel channel
- Finish: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)



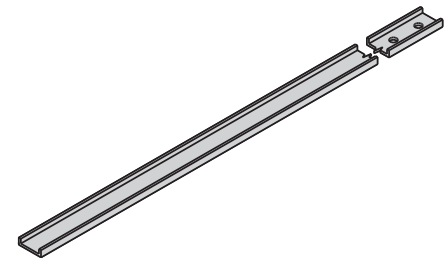
SB2201()

With Pre-assembled Welded Splice

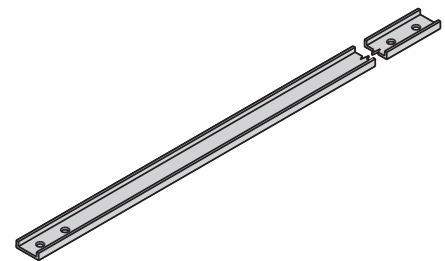


SB2202()

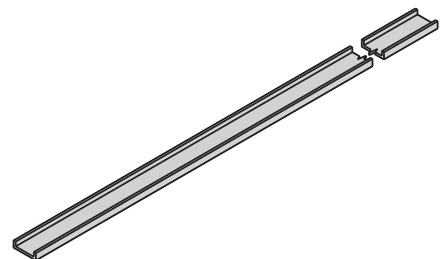
With Pre-assembled Welded Splice



SB2203()



SB2204()



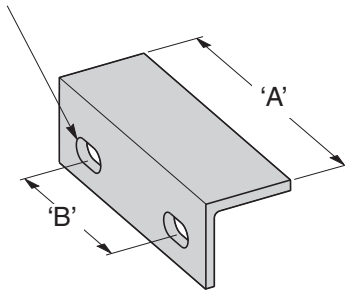
SB2205()

Part Number	Length 'L'		Weight	
	Ft.	(m)	Lbs.	(kg)
SB220103__	3'	(.91)	6.5	(2.9)
SB220105__	5'	(1.52)	10.0	(4.5)
SB220110__	10'	(3.05)	18.8	(8.5)
SB220203__	3'	(.91)	6.5	(2.9)
SB220205__	5'	(1.52)	10.0	(4.5)
SB220210__	10'	(3.05)	18.8	(8.5)
SB220303__	3'	(.91)	5.3	(2.4)
SB220305__	5'	(1.52)	8.8	(4.0)
SB220310__	10'	(3.05)	17.6	(8.0)
SB220403__	3'	(.91)	5.3	(2.4)
SB220405__	5'	(1.52)	8.8	(4.0)
SB220410__	10'	(3.05)	17.6	(8.0)
SB220503__	3'	(.91)	5.3	(2.4)
SB220505__	5'	(1.52)	8.8	(4.0)
SB220510__	10'	(3.05)	17.6	(8.0)

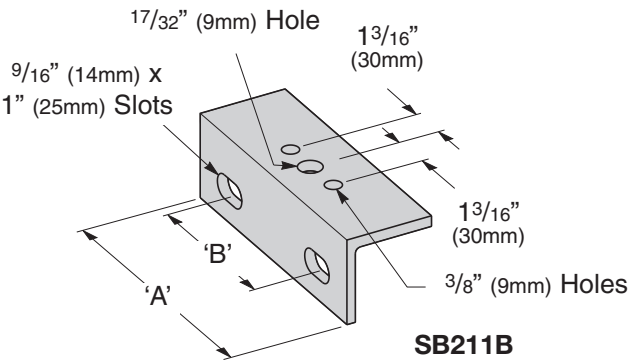
Wall Bracket

- Use to attach auxiliary structure to wall.
- Material: 1/4" (6.3mm) x 2" (51mm) x 2" (51mm) ASTM A36 structural steel angle
- Finish: Yellow Zinc (YZ),
Telco Gray Powder Coat (TG) or
Flat Black Powder Coat (FB)

9/16" (14mm) x 1" (25mm) Slots



SB211A

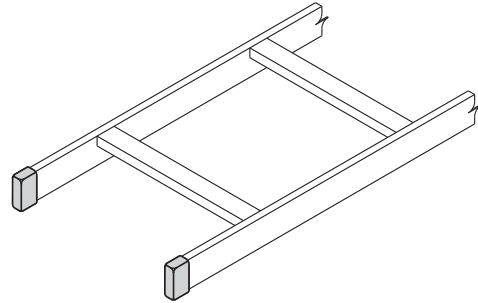
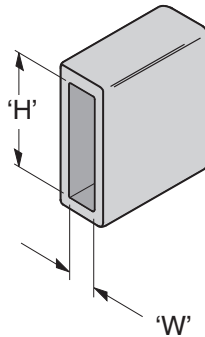


SB211B

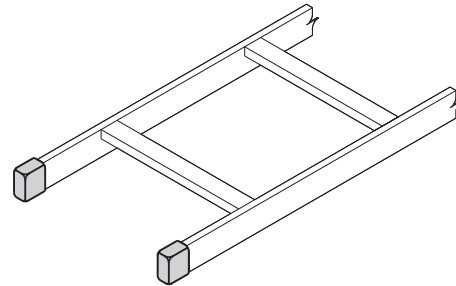
Part Number	'A'		'B'		Weight	
	in.	(mm)	in.	(mm)	Lbs.	(kg)
SB211A__	6"	(152)	4"	(101)	1.9	(0.86)
SB211B__	6"	(152)	4"	(101)	1.9	(0.86)

End Cap

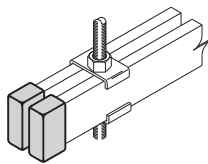
- Use as safety and protective coverings for cable runway stringers, support channel, tubes and bars.
- Meets U.L. 94-V-0 Flame Resistance requirement.
- Sold in quantity of 10 pieces.
- Material: Black Neoprene Rubber



SB-21A



SB21B



SB21

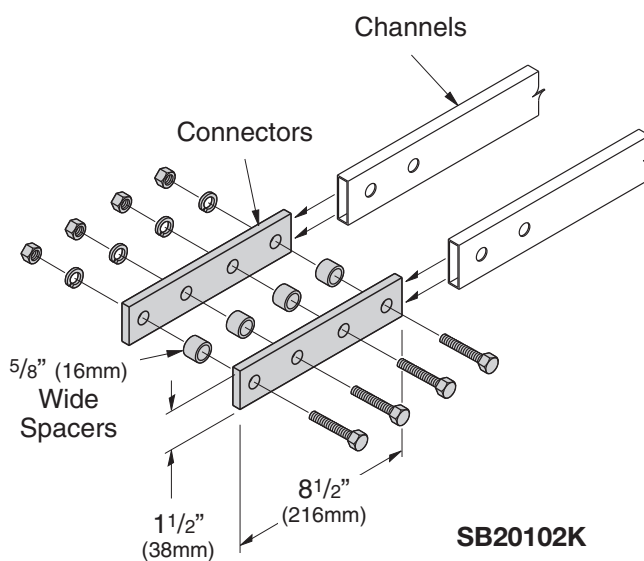
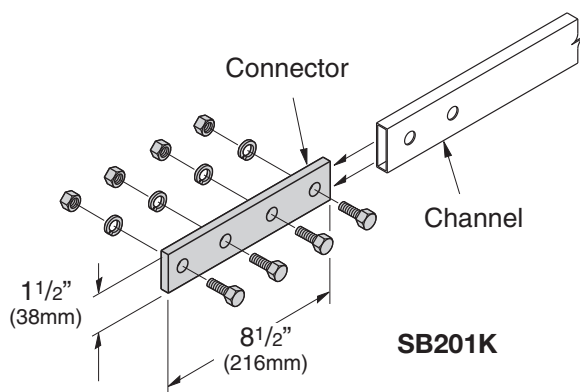
Part Number	Support Size 'H' x 'W'		Primary Usage	Weight	
	in.	(mm)		Lbs.	(kg)
SB21	2" x 9/16"	(51) x (14)	SB20 or SB22 Support	0.80	(0.36)
SB21A	2" x 3/8"	(51) x (9)	SB16 Runway	0.40	(0.18)
SB21B	1 1/2" x 3/8"	(38) x (9)	SB15, SB17 or SB18 Runway	0.30	(0.13)



Popular Bee List item

2" x 9/16" Support Tubing Splice Kit

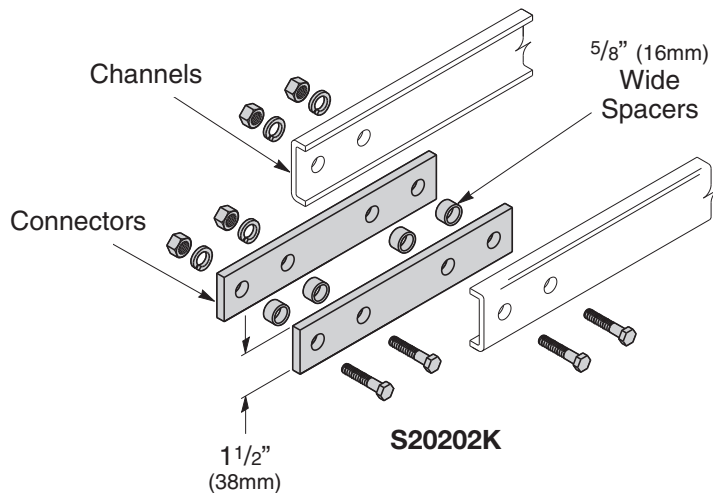
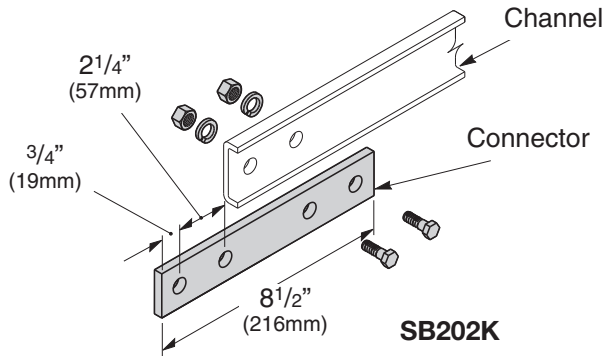
- Use to splice 2" (51mm) x 9/16" (14mm) auxiliary support tubing.
- Single tubing connector includes (1) splice plate with 1/2"-13 hardware.
- Dual tubing connector includes (2) splice plates, spacers, and 1/2"-13 hardware.
- Material: 3/8" (9mm) ASTM A36 structural steel
- Finish___: Yellow Zinc (YZ), Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB)



Part Number	Support Configuration	Weight	
		Lbs.	(kg)
SB201K__	Single Tubing	1.7	(0.77)
SB20102K__	Dual Tubing	3.3	(1.49)

2" x 9/16" Support Channel Splice

- Use to splice 2" (51mm) x 9/16" (14mm) auxiliary support channel.
- Single channel connector includes (1) splice plate with 1/2"-13 hardware.
- Dual channel connector includes (2) splice plates, spacers, and 1/2"-13 hardware.
- Material: 3/8" (9mm) ASTM A36 structural steel
- Finish: Yellow Zinc (YZ), Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB)

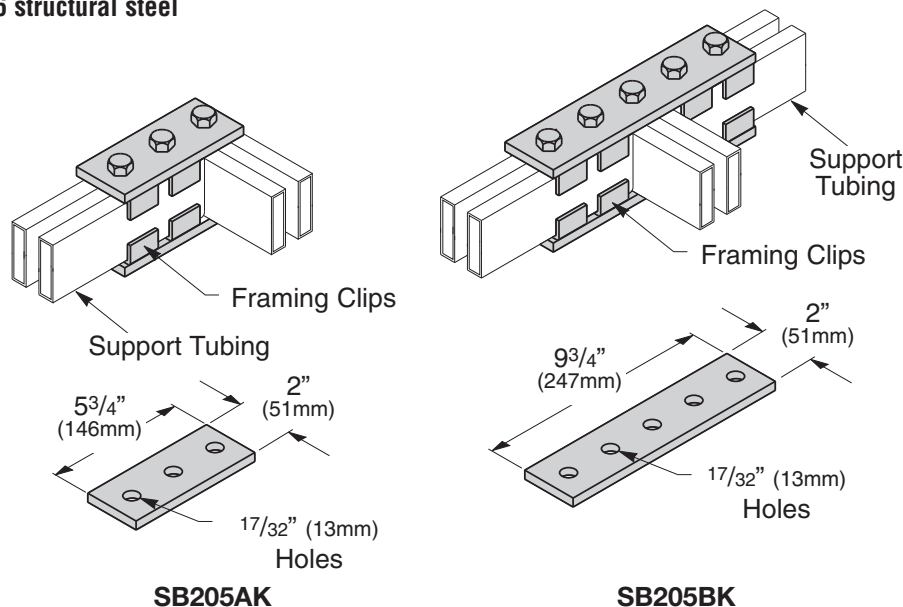


Part Number	Support Configuration	Weight	
		Lbs.	(kg)
SB202K	Single C-Channel	1.7	(0.77)
SB20202K	Dual C-Channel	3.1	(1.40)

2" x 9/16" Junction Kit

- Use to splice 2" (51mm) x 9/16" (14mm) auxiliary support tubing.
- Can be used as a straight or perpendicular splice.
- SB205AK includes: (2) plates, (6) framing clips, and (3) 1/2"-13 bolts and hardware.
- SB205BK includes: (2) plates, (10) framing clips, and (5) 1/2"-13 bolts and hardware.
- Material: 3/8" (9.5mm) ASTM A36 structural steel
- Finish: Yellow Zinc (YZ)

Holes are on 2" (51mm) centers with first hole 7/8" (22mm) from end to center.



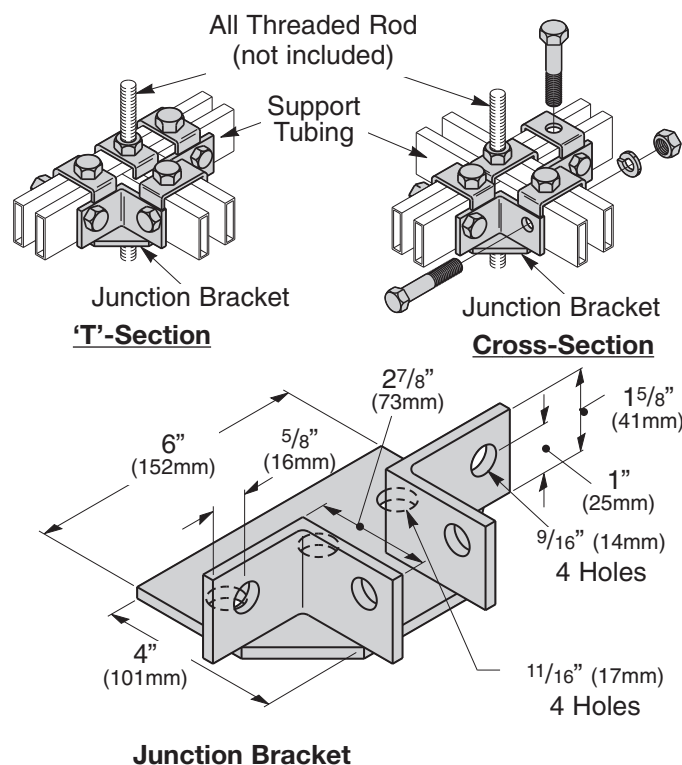
Part Number	Weight	
	Lbs.	(kg)
SB205AK	3.9	(1.77)
SB205BK	6.6	(2.99)

2" x 9/16" Heavy Duty Junction Kit

- Use to suspend and splice 2" (51mm) x 9/16" (14mm) auxiliary support.
- Designed with welded gussets and through bolts for additional strength and rigidity.
- Material: 3/8" (9.5mm) ASTM A36 structural steel
- Finish: Yellow Zinc (YZ)

SB205DK includes

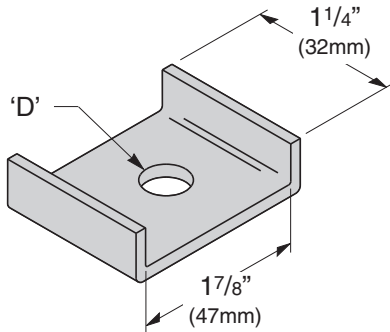
- (1) Junction bracket
- (4) Framing clips
- (3) 5/8"-11 Hex head cap screws
- (5) 5/8" Lockwashers
- (1) 5/8" Flatwashers
- (6) 5/8"-11 Hex nuts.
- (3) 1/2"-13 Hex head cap screws
- (3) 1/2" Lockwashers
- (3) 1/2"-13 Hex nuts.



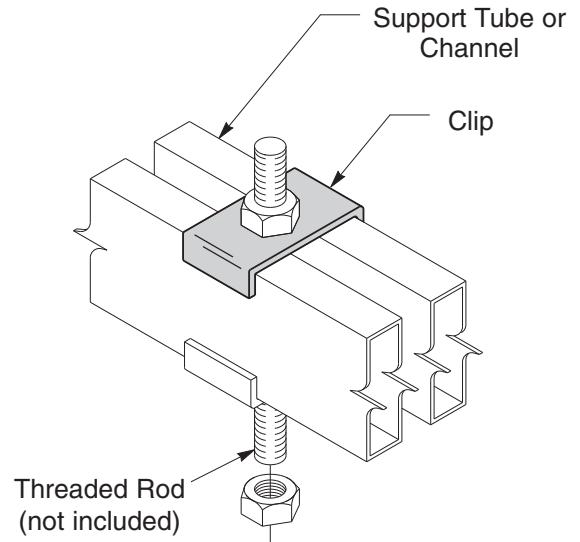
Part Number	Weight	
	Lbs.	(kg)
SB205DK	1.80	(0.81)

2" x 9/16" Framing Clip

- Use to suspend auxiliary support with threaded rod or to attach accessories to auxiliary support.
- Use with 2" (51mm) x 9/16" (14mm) tube or channel.
- Material: 11Ga. (3mm) ASTM A1011 structural steel
- Finishes: Yellow Zinc (YZ) or Black Zinc (BZ)

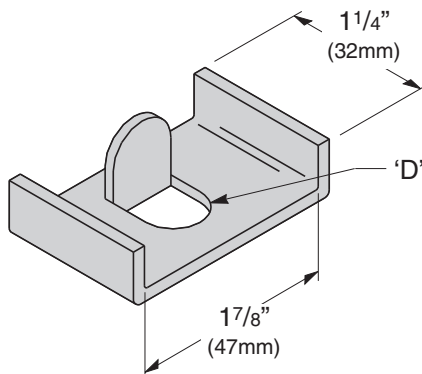


Part Number	'D'		Hardware Size	Weight	
	in.	(mm)		Lbs.	(kg)
SB103	3/8"	(9)	5/16"-18	0.11	(0.05)
SB104	7/16"	(11)	3/8"-16	0.11	(0.05)
SB106	11/16"	(17)	5/8"-11	0.11	(0.05)

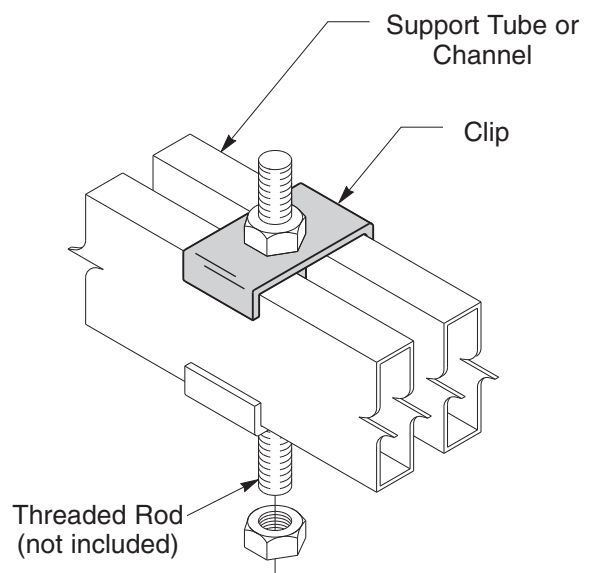


2" x 9/16" Tabbed Framing Clip

- Use to suspend auxiliary support with threaded rod or to attach accessories to auxiliary support.
- Built-in spacer tab to maintain proper tube and channel spacing.
- Use with 2" (51mm) x 9/16" (14mm) tube or channel.
- Material: 11Ga. (3mm) ASTM A1011 structural steel
- Finishes: Yellow Zinc (YZ) or Black Zinc (BZ)

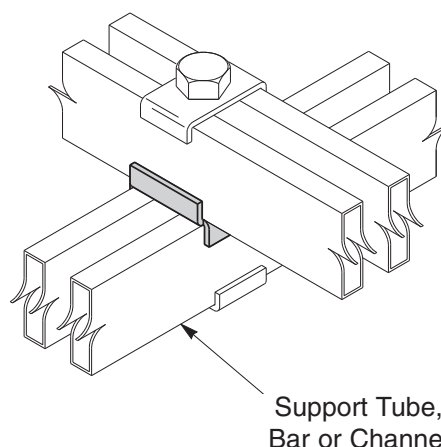
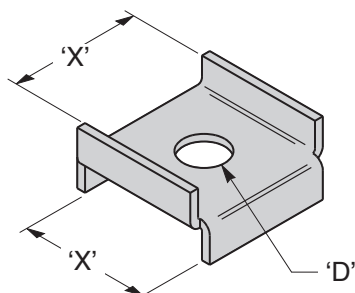


Part Number	'D'		Hardware Size	Weight	
	in.	(mm)		Lbs.	(kg)
SB105	9/16"	(14)	1/2"-13	0.11	(0.05)



Crossover Framing Clip

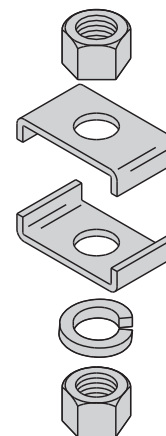
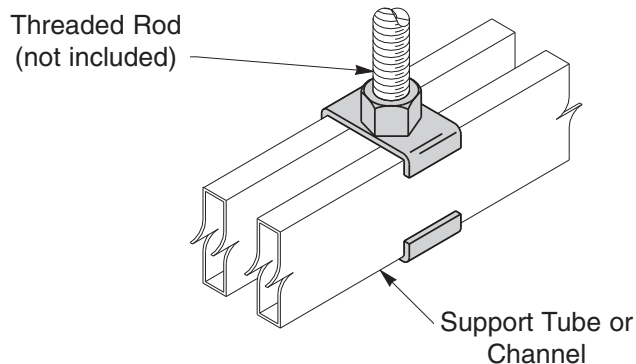
- Use to secure perpendicular auxiliary support runs.
- See SB2210 & SB2211 for kits.
- Material: 13 gauge (2.2mm) ASTM A1011 steel
- Finish: Yellow Zinc (YZ)



Part Number	Support Framing Size		'D' Hole Size		Hardware Size		'X'		Weight	
	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	Lbs.	(kg)
SB114C	2" x 9/16"	(51 x 14)	9/16"	(14)	1/2"	(13)	17/8"	(47)	0.15	(0.07)
SB114D	2" x 9/16"	(51 x 14)	11/16"	(17)	5/8"	(16)	17/8"	(47)	0.15	(0.07)

Framing Clip Kit

- Use to suspend auxiliary support.
- Sized for 5/8"-11 all threaded rod.
- Includes: (2) framing clips and hardware.
- Material: 11 Ga. (3mm) ASTM A1011 steel
- Finish: Yellow Zinc (YZ)

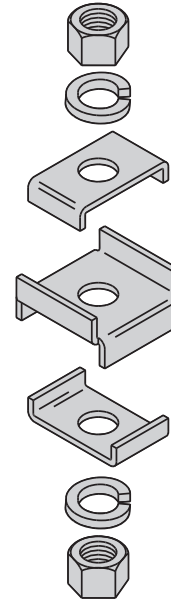
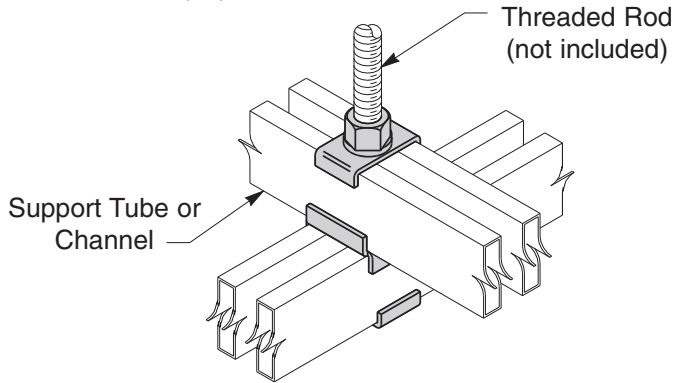


Part Number	Support Framing Size		Weight	
	in.	(mm)	Lbs.	(kg)
SB2209A	2" x 9/16"	(51 x 14)	0.40	(0.18)

 YZ is a popular Bee List item

Suspending Crossover Framing Clip Kit

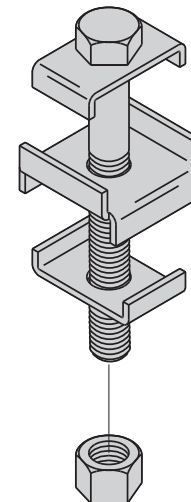
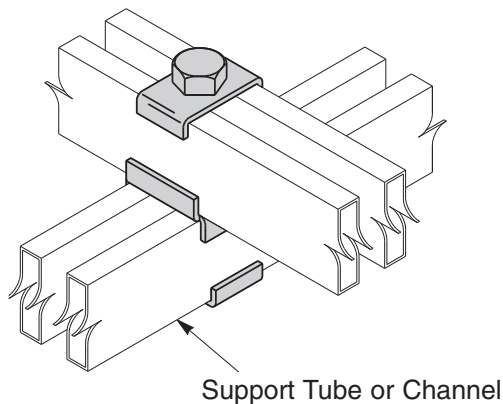
- Use to secure and suspend perpendicular auxiliary support runs.
- Sized for 5/8"-11 all threaded rod.
- Includes: (1) crossover clip, (2) framing clips, and hardware.
- Material: 11 Ga. (3mm) ASTM A1011 steel
- Finish: Yellow Zinc (YZ)



Part Number	Support Framing Size		Weight	
	in.	(mm)	Lbs.	(kg)
SB2210A	2" x 9/16"	(51 x 14)	0.60	(0.27)

Securing Crossover Framing Clip Kit

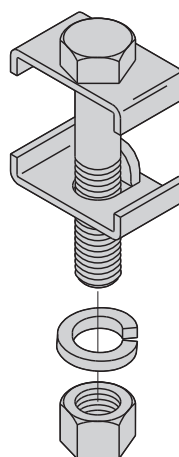
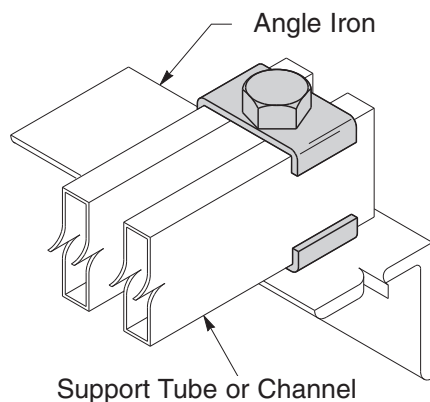
- Use to secure perpendicular auxiliary support runs.
- Includes: (1) crossover clip, (2) framing clips, and 5/8"-11 hardware.
- Material: 11 Ga. (3mm) ASTM A1011 steel
- Finish: Yellow Zinc (YZ)



Part Number	Support Framing Size		Weight	
	in.	(mm)	Lbs.	(kg)
SB2211A	2" x 9/16"	(51 x 14)	0.90	(0.41)

Wall Angle Framing Clip Kit

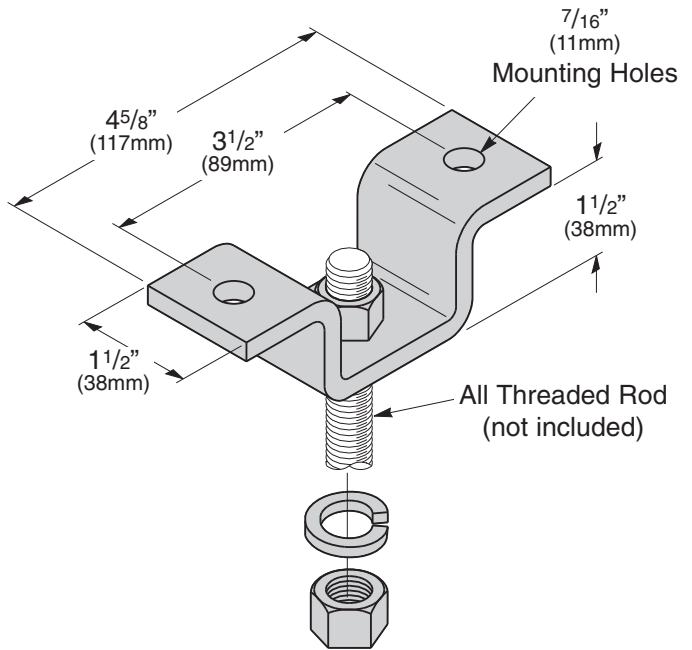
- Use to fasten support framing to wall support angle.
- Includes: (2) framing clips and hardware.
- Material: 11 Ga. (3mm) ASTM A1011 steel
- Finish: Yellow Zinc (YZ)



Part Number	Support Framing Size		Hardware Size	Weight	
	in.	(mm)		Lbs.	(kg)
SB2212A	2" x 9/16"	(51 x 14)	1/2"-13	0.46	(0.21)
SB2212C	2" x 9/16"	(51 x 14)	5/8"-11	0.50	(0.22)

Ceiling Hanger Bracket Kit

- Use to suspend all threaded rod from ceiling.
- Includes: (1) bracket, (1) lockwasher, and (2) hex nuts.
- Material: 1/4" (6mm) ASTM A907 steel
- Finish: Yellow Zinc (YZ)

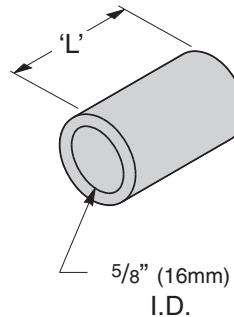


Part Number	ATR Size		Weight	
	in.	(mm)	Lbs.	(kg)
SB2215A	1/2"	(13)	0.84	(0.38)
SB2215B	5/8"	(16)	0.93	(0.42)

 YZ is a popular Bee List item

Spacer

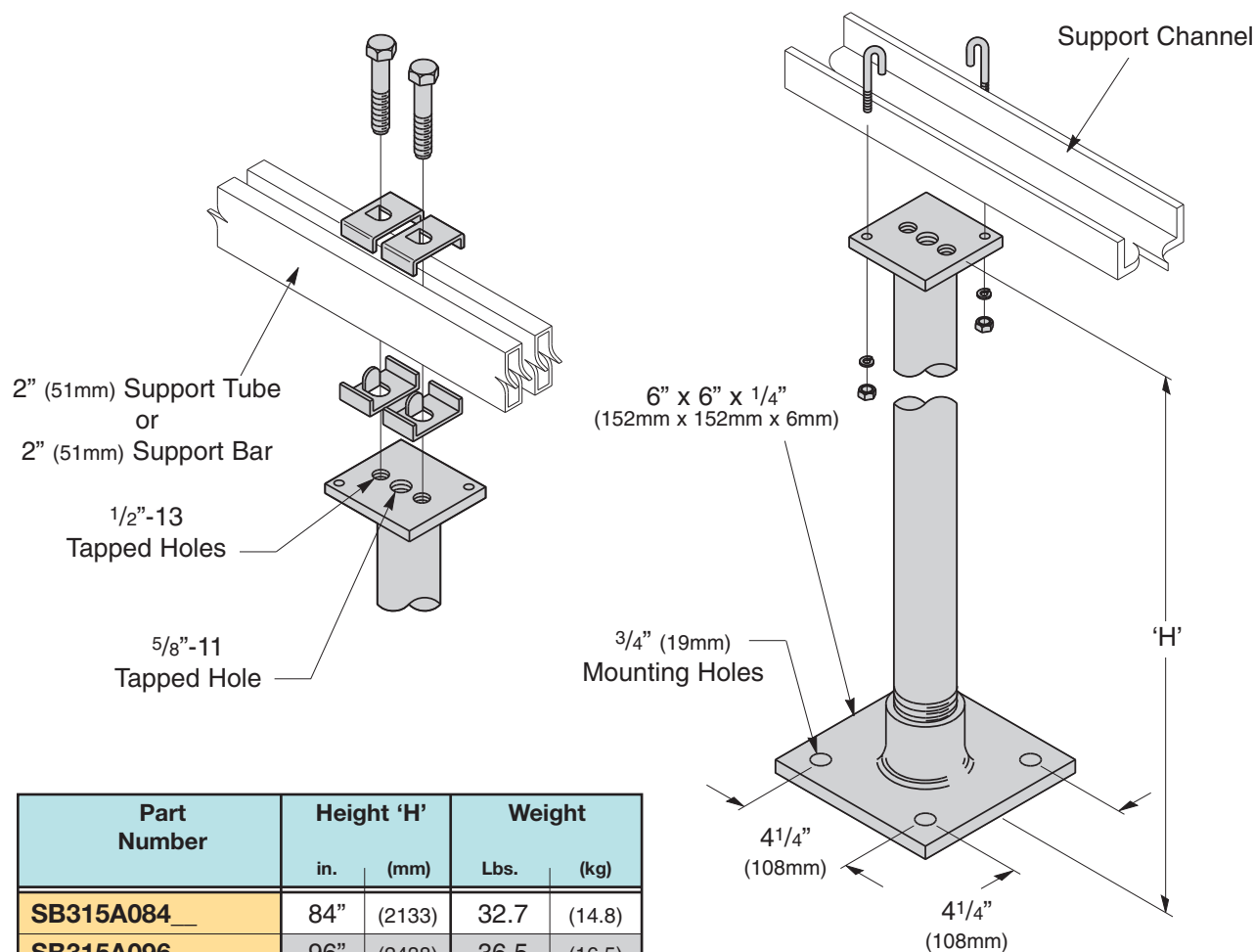
- Use as a spacer between parallel overhead support structures.
- Material: ASTM A120 Schedule 40 steel pipe
- Finish: Yellow Zinc (YZ)



Part Number	'L'		Weight	
	in.	(mm)	Lbs.	(kg)
SB20601	25/32"	(20)	0.06	(0.03)
SB20602	3/8"	(19)	0.04	(0.02)
SB20603	1 3/8"	(35)	0.12	(0.05)
SB20604	5/8"	(16)	0.06	(0.03)
SB20605	1 5/16"	(33)	0.12	(0.05)
SB20606	2 7/16"	(62)	0.24	(0.11)

Pipe Column

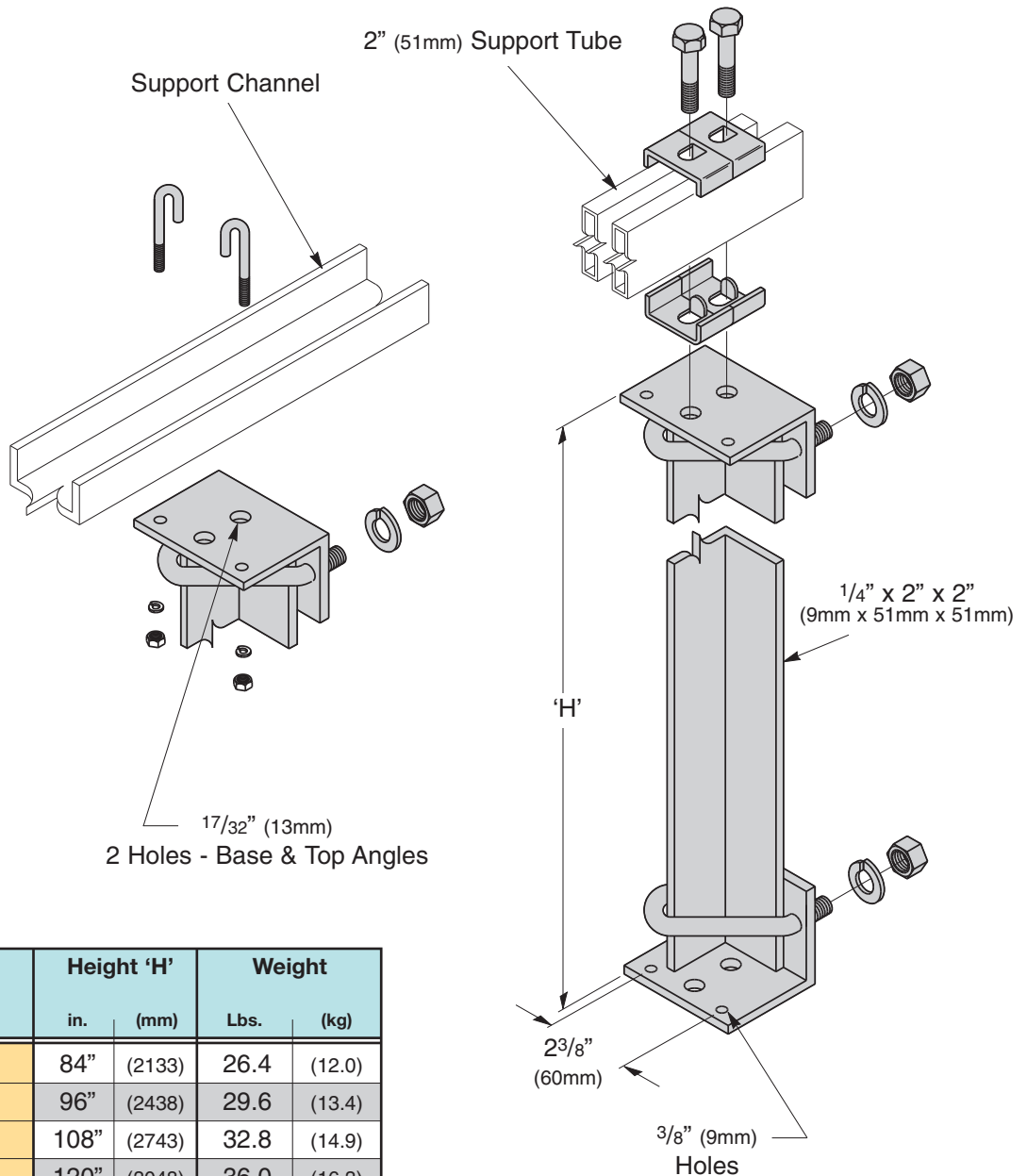
- Use to support and secure 2" (51mm) x 9/16" (14mm), 1" (25mm) x 2" (51mm), or 2" (51mm) x 3/8" (9mm) auxiliary support.
- Threaded base allows 1" (25mm) height adjustment (1/2" (13mm) on either side of the 'H' dimension shown in chart).
- Order anchor hardware separately.
- Includes: (1) base, (1) column, (8) framing clips, (2) 1/2"-13 HHCS and hardware, (2) 5/16"-18 J-Bolts, and hardware.
- Material: 2" (50mm) Schedule 40 steel pipe, ASTM A36 structural steel
- Finish___: Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB) with Yellow Zinc (YZ) framing clips and hardware.



Part Number	Height 'H'		Weight	
	in.	(mm)	Lbs.	(kg)
SB315A084 ___	84"	(2133)	32.7	(14.8)
SB315A096 ___	96"	(2438)	36.5	(16.5)
SB315A108 ___	108"	(2743)	40.2	(18.2)
SB315A120 ___	120"	(3048)	44.0	(19.9)
SB315A140 ___	140"	(3556)	50.2	(22.8)

Angle Column

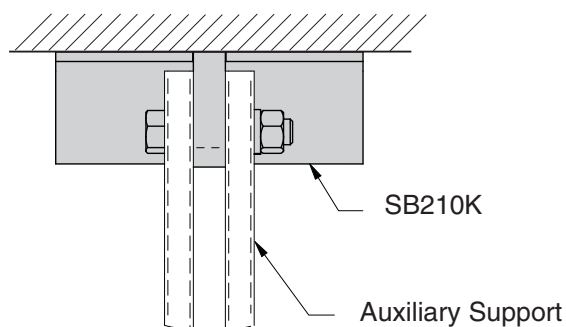
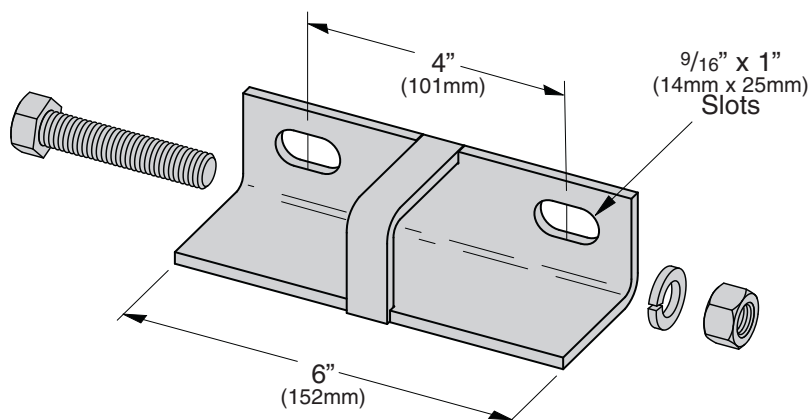
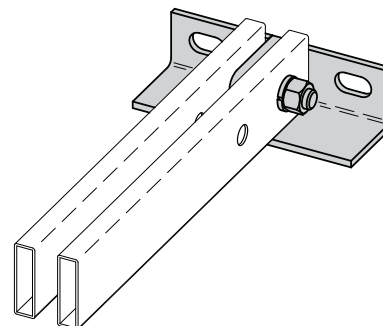
- Use to support and secure 2" (51mm) x 9/16" (14mm) or 1" (25mm) x 2" (51mm) auxiliary support.
- Order anchor hardware separately.
- Designed for easy field modification of height.
- Includes: (1) base angle, (1) top angle, (1) column, (4) framing clips, (2) 1/2"-13 HHCS and hardware, (2) 5/16"-18 J-Bolts, and hardware.
- Material: ASTM A36 structural steel
- Finish___: Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB) with Yellow Zinc (YZ) framing clips and hardware.



Part Number	Height 'H'		Weight	
	in.	(mm)	Lbs.	(kg)
SB320A084__	84"	(2133)	26.4	(12.0)
SB320A096__	96"	(2438)	29.6	(13.4)
SB320A108__	108"	(2743)	32.8	(14.9)
SB320A120__	120"	(3048)	36.0	(16.3)
SB320A140__	140"	(3556)	41.3	(18.7)

Angle Wall Support Kit

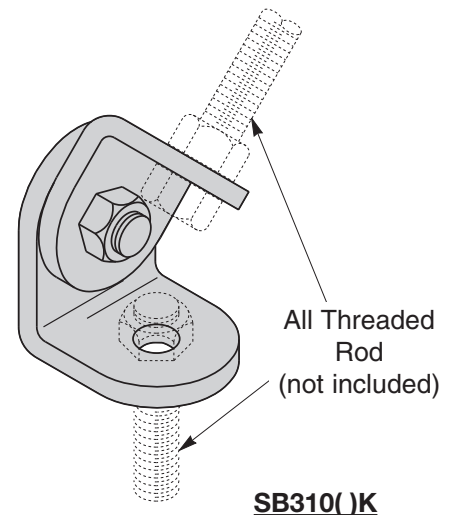
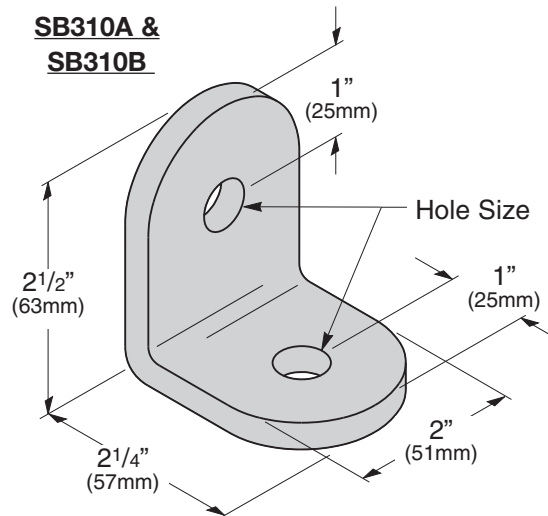
- Use to secure 2" (51mm) x 9/16" (14mm) or 2" (51mm) x 3/8" (9mm) auxiliary support to a wall.
- Includes: 1/2"-13 HHCS and hardware.
- Order anchors separately.
- Material: ASTM A36 1/4" (6mm) x 2" (51mm) x 5/8" (16mm) structural steel bar
- Finish: Yellow Zinc (YZ), Telco Gray Powder Coat (TG) or Flat Black Powder Coat (FB)



Part Number	Weight	
	Lbs.	(kg)
SB210K__	2.25	(1.02)

Angled Drop Rod Bracket

- Use to create bracing systems with the use of all threaded rod.
- Use kit to secure all threaded rod as a diagonal brace.
- SB310AK includes: (2) brackets and 1/2"-13 hardware.
- SB310BK includes: (2) brackets and 5/8"-11 hardware.
- Material: 1/4" (6mm) ASTM A907 structural steel
- Finish: Yellow Zinc (YZ) and Black Zinc (BZ)



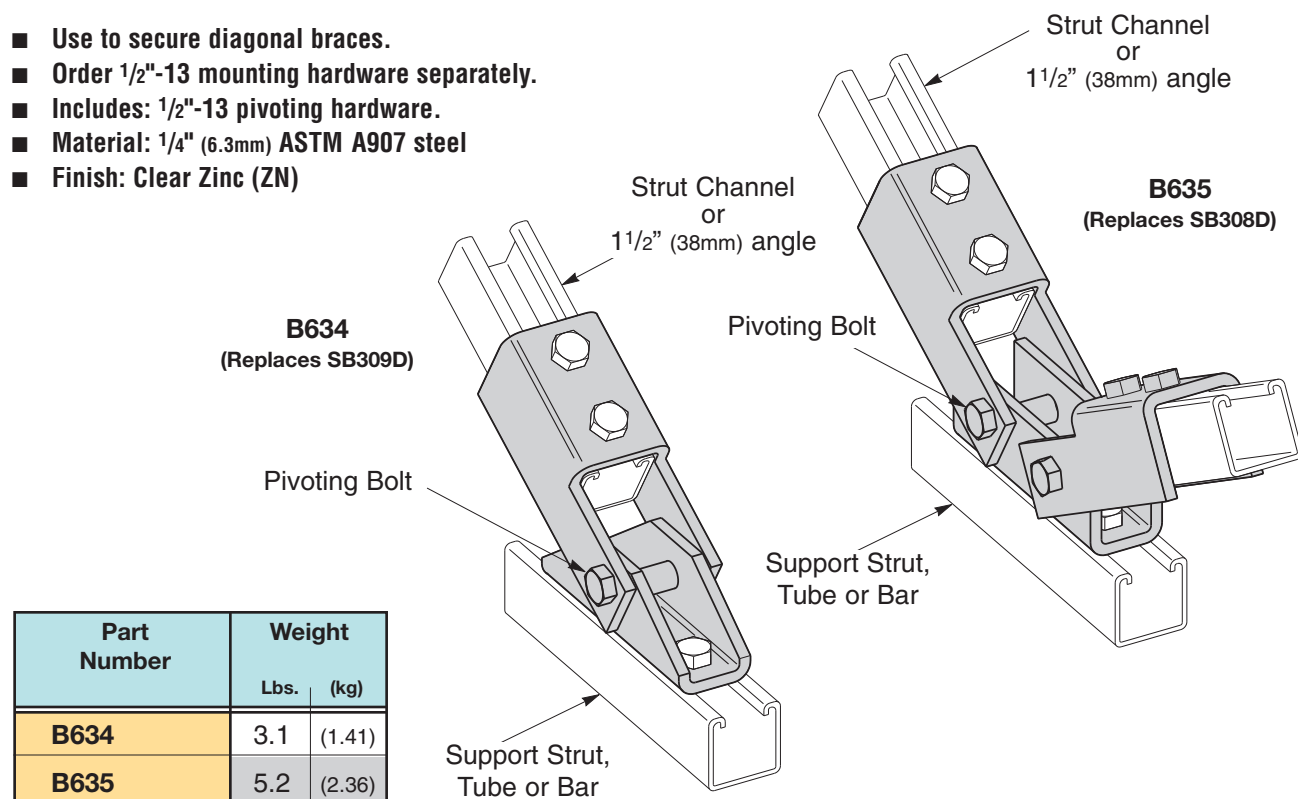
Part Number	Hole Size		ATR Size		Weight Each	
	in.	(mm)	in.	(mm)	Lbs.	(kg)
SB310A*	9/16"	(14)	1/2"	(13)	0.70	(0.32)
SB310B*	11/16"	(17)	5/8"	(16)	0.70	(0.32)
SB310AK	9/16"	(14)	1/2"	(13)	1.50	(0.68)
SB310BK	11/16"	(17)	5/8"	(16)	1.50	(0.68)

* Single bracket only.

 YZ is a popular Bee List item

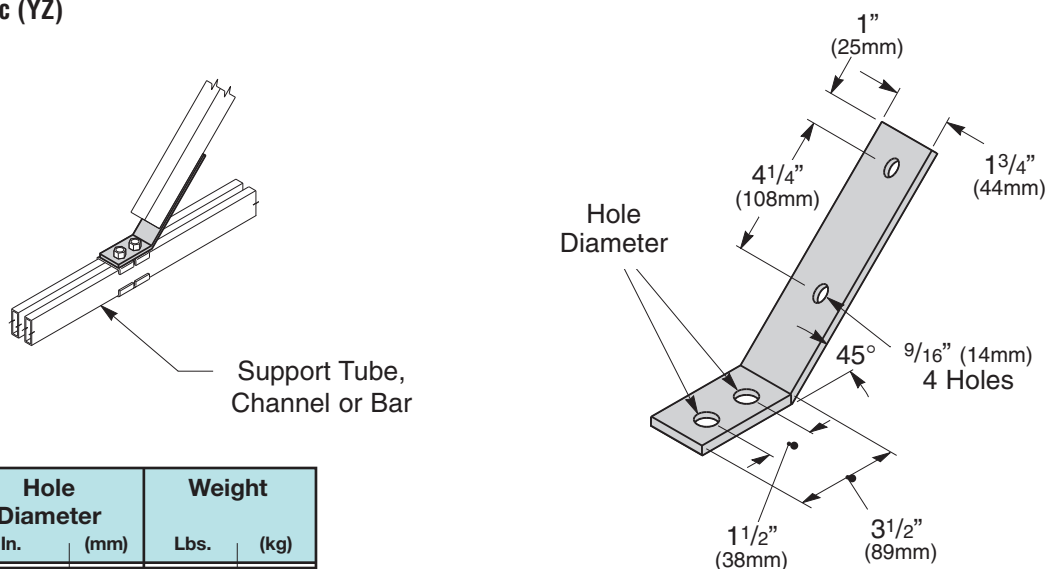
Adjustable Single & Double Diagonal Channel Brace Kit

- Use to secure diagonal braces.
- Order 1/2"-13 mounting hardware separately.
- Includes: 1/2"-13 pivoting hardware.
- Material: 1/4" (6.3mm) ASTM A907 steel
- Finish: Clear Zinc (ZN)



Single Diagonal Brace

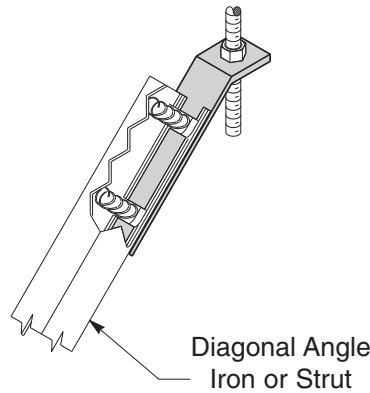
- Use to secure 45° diagonal braces.
- Designed to be used with strut channel or angle iron.
- Material: 3/8" (9mm) thick ASTM A36 structural steel
- Finish: Yellow Zinc (YZ)



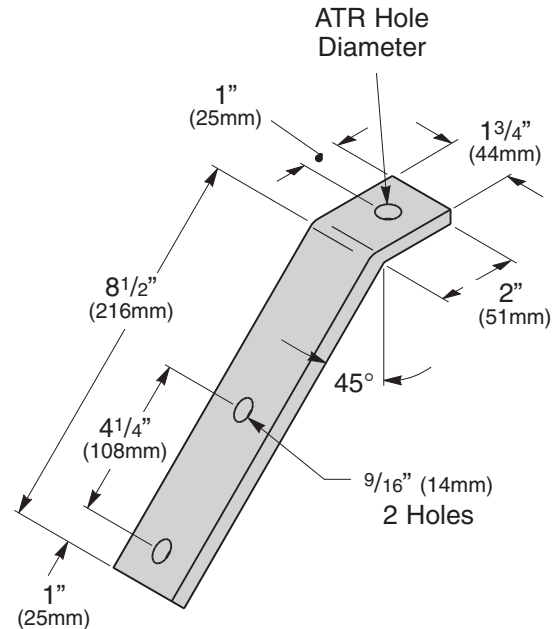
Part Number	Hole Diameter		Weight	
	In.	(mm)	Lbs.	(kg)
SB307A	9/16"	(14)	2.1	(.95)
SB307B	11/16"	(17)	2.1	(.95)

Single Diagonal Brace

- Use to secure 45° diagonal braces.
- Designed to be used with strut channel or angle iron.
- See SB-2306 series for kits.
- Material: 3/8" (9mm) thick ASTM A36 structural steel
- Finish: Yellow Zinc (YZ)

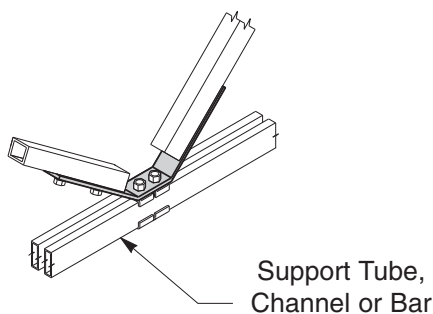


Part Number	ATR Size	Hole Diameter		Weight	
		In.	(mm)	Lbs.	(kg)
SB309A	1/2"-13	9/16"	(14)	1.84	(.83)
SB309B	5/8"-11	11/16"	(17)	1.84	(.83)

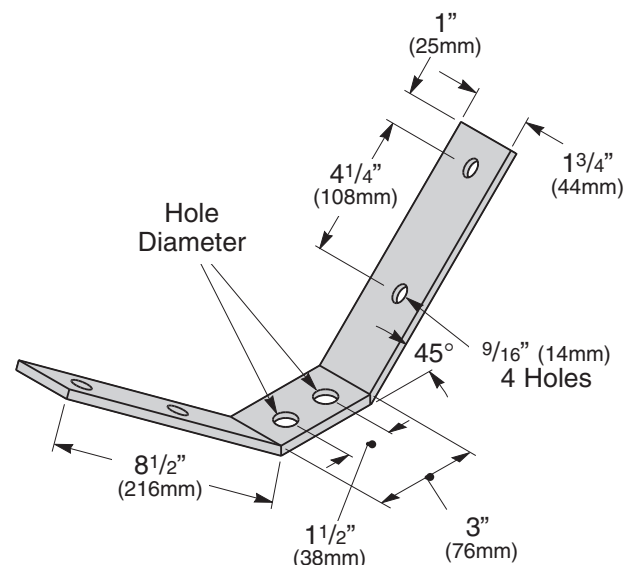


Double Diagonal Brace

- Use to secure 45° diagonal braces.
- Designed to be used with strut channel or angle iron.
- See SB2308 series for kits.
- Material: 3/8" (9mm) thick ASTM A36 structural steel
- Finish: Yellow Zinc (YZ)

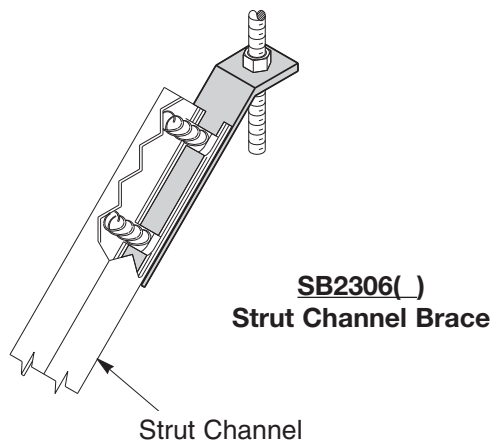


Part Number	Hole Diameter		Weight	
	In.	(mm)	Lbs.	(kg)
SB308A	9/16"	(14)	3.5	(1.59)
SB308B	11/16"	(17)	3.5	(1.59)



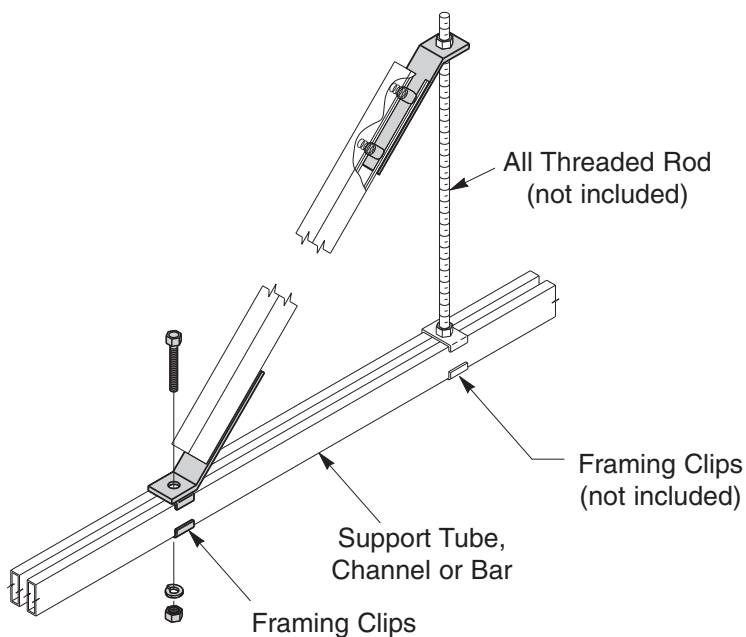
Diagonal Brace Kit

- Use to secure 45° diagonal brace.
- Designed to be used with strut channel.
- Material: ASTM A36 structural steel
- Finish: Yellow Zinc (YZ)



SB2306A includes
 (2) single brace fittings
 (2) framing clips
 (4) 1/2"-13 HHCS, LW, Channel Nuts
 (1) 5/8"-11 HHCS, LW, HN

SB2306B includes
 (2) single brace fittings
 (2) framing clips
 (4) 1/2"-13 HHCS, LW, Channel Nuts
 (1) 5/8"-11 HHCS, LW, HN

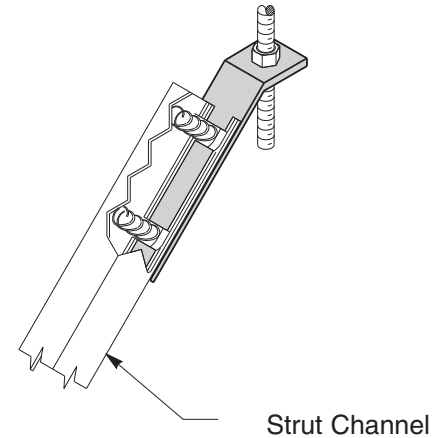


Part Number	Support Structure Type		Weight	
	in.	(mm)	Lbs.	(kg)
SB2306A	2" x 9/16"	(51 x 14)	5.6	(2.54)
SB2306B	2" x 3/8"	(51 x 9)	5.5	(2.49)

Double Diagonal Brace Kit

- Use to secure 45° diagonal brace.
- Designed to be used with strut channel.
- Material: ASTM A36 structural steel
- Finish: Yellow Zinc (YZ)

SB2308()
Strut Channel Brace

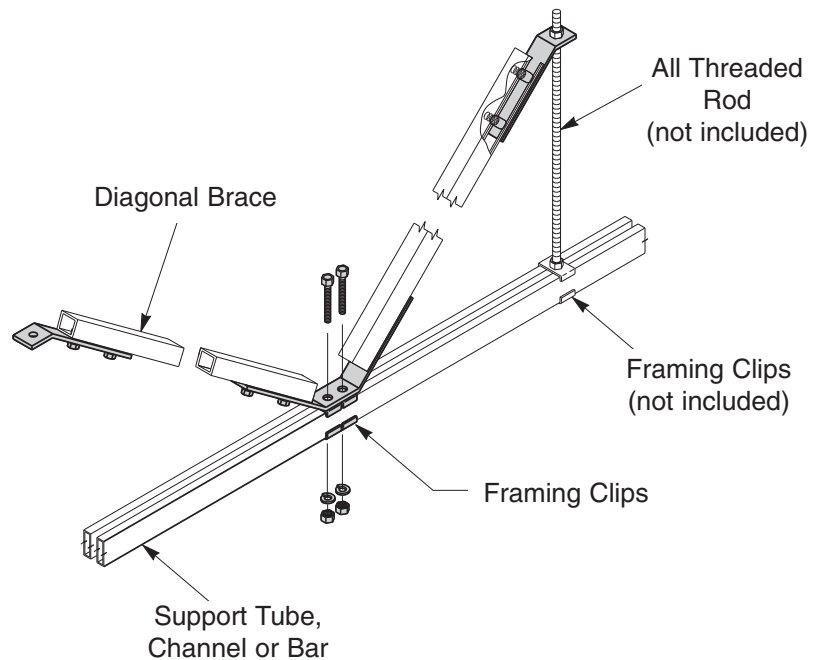


SB2308A includes

- (1) double brace fitting
- (2) single brace fittings
- (4) framing clips
- (8) 1/2"-13 HHCS, LW, Channel Nuts
- (2) 5/8"-11 HHCS, LW, HN

SB2308B includes

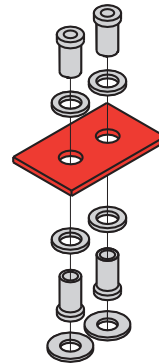
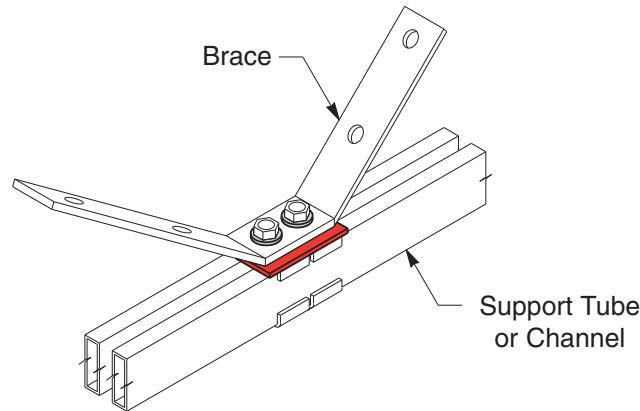
- (1) double brace fitting
- (2) single brace fittings
- (4) framing clips
- (8) 1/2"-13 HHCS, LW, Channel Nuts
- (2) 5/8"-11 HHCS, LW, HN



Part Number	Support Structure Type		Weight	
	in.	(mm)	Lbs.	(kg)
SB2308A	2" x 9/16"	(51 x 14)	9.7	(4.40)
SB2308B	2" x 3/8"	(51 x 9)	9.6	(4.35)

Diagonal Brace Isolation Kit

- Use to provide electrical isolation of support structure from diagonal brace.
- Sized for 1/2"-13 hardware.
- Includes: (1) pad, (2) sleeve kits and (2) 1/2" flat washers.
- Material: Polyester fiberglass - pad
6/6 Nylon - sleeve
Steel - flat washer
- Finish: Pad - Red
Sleeve - Natural
Flat washer - Yellow
Zinc (YZ)

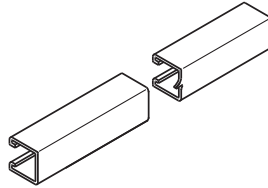


Part Number	Weight	
	Lbs.	(kg)
SB2526A	0.05	(0.02)

Strut Channels

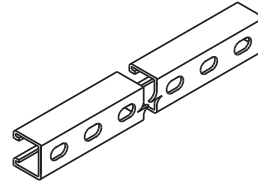
- Available in 10' (3.05m) & 20' (6.05m) lengths.
*(BTS22TH available in 10' (3.05m) only.)
- Finishes: Telco Gray (TG) or Yellow Zinc (YZ)

B22



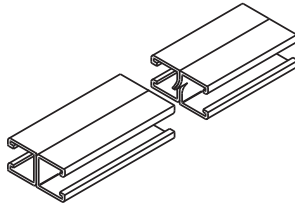
1⁵/₈" x 1⁵/₈" - 12 Ga.
(41mm x 41mm - 2.6mm)

B22SH



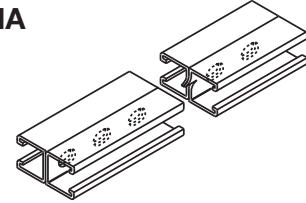
1⁵/₈" x 1⁵/₈" - 12 Ga.
(41mm x 41mm - 2.6mm)
9/16" x 7/8" slots on 2" centers
(14mm x 22mm) (51mm)

B22A



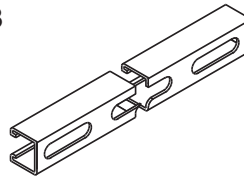
Back-to-Back
1⁵/₈" x 1⁵/₈" - 12 Ga.
(41mm x 41mm - 2.6mm)

B22SHA



Back-to-Back
1⁵/₈" x 1⁵/₈" - 12 Ga.
(41mm x 41mm - 2.6mm)
9/16" x 7/8" slots on 2" centers
(14mm x 22mm) (51mm)

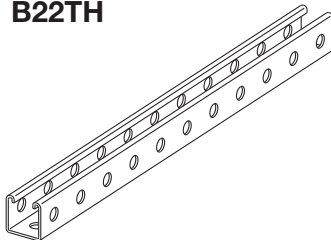
B22S58



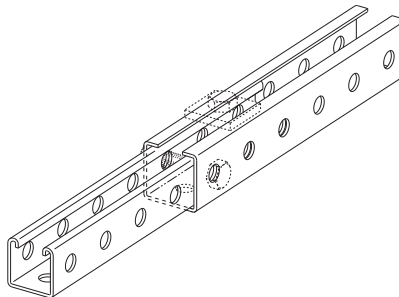
1⁵/₈" x 1⁵/₈" - 12 Ga.
(41mm x 41mm - 2.6mm)
1¹/₁₆" x 2⁵/₈" slots on 4" centers
(17mm x 66mm) (101mm)

Telescoping Strut

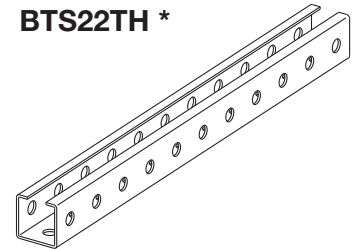
B22TH



1⁵/₈" x 1⁵/₈" - 12 Ga.
(41mm x 41mm - 2.6mm)
9/16" dia. holes on 1⁷/₈" centers
(14mm) (47mm)



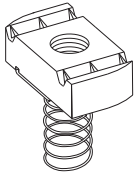
BTS22TH *



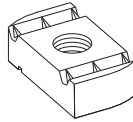
1⁷/₈" x 1⁷/₈" - 12 Ga.
(47mm x 47mm - 2.6mm)
9/16" dia. holes on 1⁷/₈" centers
(14mm) (47mm)

See Cooper B-Line Strut Catalog for complete line of strut, fittings and accessories.

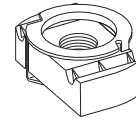
Strut Channel Nuts



N224 - 1/4"-20
N228 - 3/8"-16
N225 - 1/2"-13
N255 - 5/8"-11

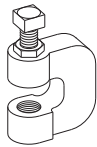


N224WO - 1/4"-20
N228WO - 3/8"-16
N225WO - 1/2"-13
N255WO - 5/8"-11

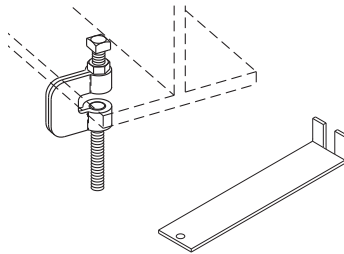


TN224 - 1/4"-20
TN228 - 3/8"-16
TN225 - 1/2"-13

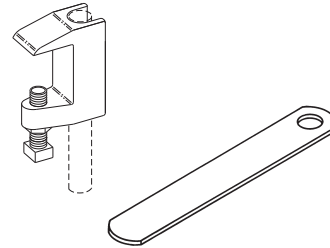
Strut Fittings



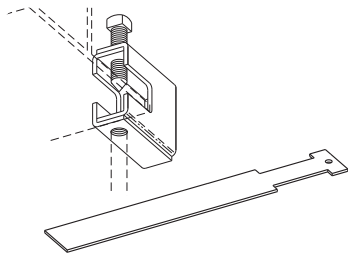
B3036L-3/8", 1/2", 5/8"
B3362 thru B3365 strap



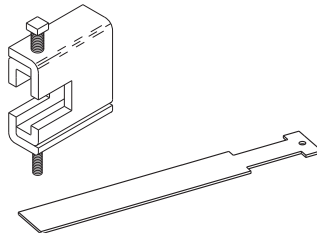
B351-3/8", 1/2", 5/8"
B3362 thru B3365 strap



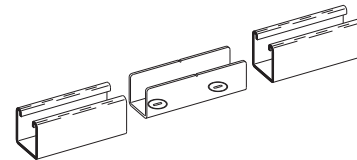
B3033-3/8", 1/2", 5/8"
B3367 strap



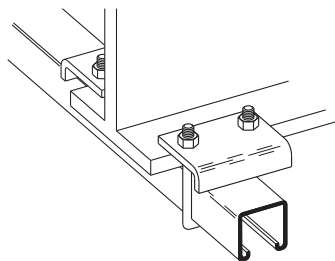
B306 thru **B309**
B312 strap



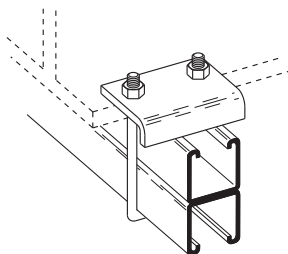
B321-1 thru **B321-4**



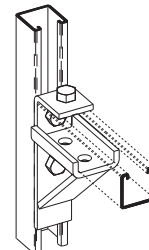
B766-22 / **B766-32**



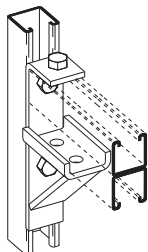
B441-22



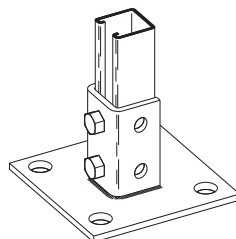
B441-22A



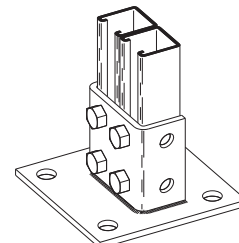
B194



B370

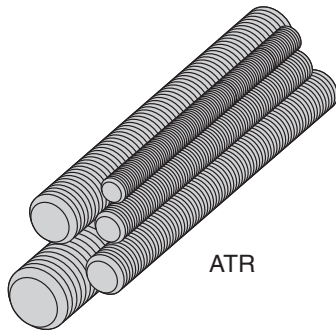


B280SQ

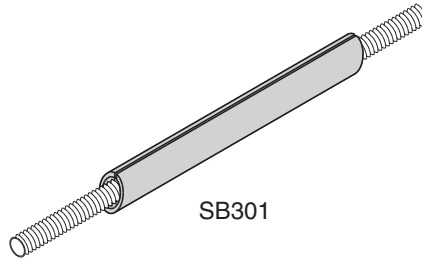


B281SQ

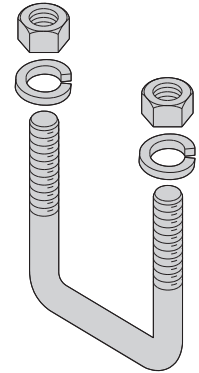
Hardware



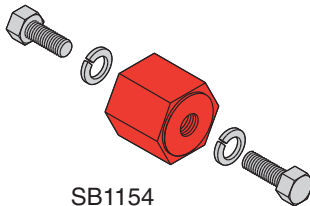
ATR



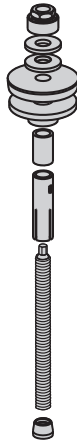
SB301



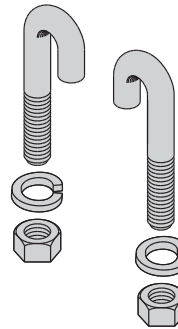
SB1001 Series



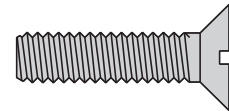
SB1154



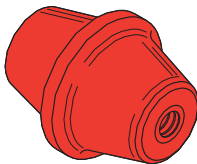
ASSAM12157TN



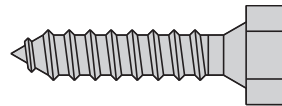
SB1003 Series



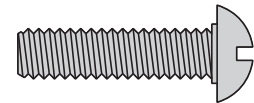
SFHMS Series



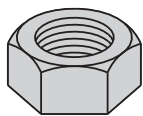
SB1155



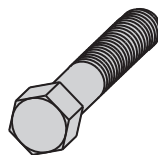
HHLS Series



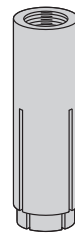
SRHMS Series



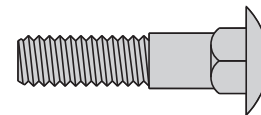
HN (Hex Nuts)



HHCS
(Hex Head
Cap Screws)



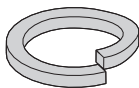
ADI Series



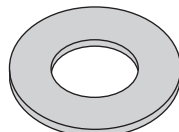
SNCB Series



SLN Series



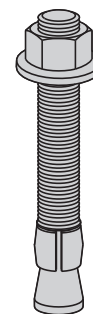
LW (Lock Washers)



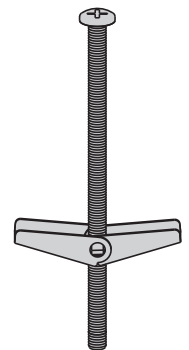
FW (Flat Washers)



ALS Series



AWA Series



ATB Series

Hardware

Cooper B-Line offers a complete line of installation hardware compatible with all products that we manufacture. Our offering includes all thread rod and accessories, U, V and J bolts for attaching cable runway to racks or auxiliary framing, anchor bolts, grade 5 screws, washers, nuts and many other accessories that help complete a professional installation.

Are we missing a component you need? Contact us. Our engineering team will be glad to discuss your needs and provide a design for your specific application. Our goal is to be your preferred supplier for all your comm/data equipment support needs.

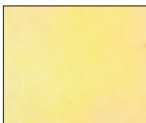
Material:	Type	Specification
	Steel	ASTM A307 and SAE J429
	Silicon Bronze (BR)	ASTM F468

Finishes:		
- Zinc Plated (ZN)	ASTM B633	
- Yellow Zinc (YZ)	ASTM B633	
- Black Zinc (BZ)	ASTM B633	



(ZN)

Zinc Plated



(YZ)

Yellow Zinc



(BZ)

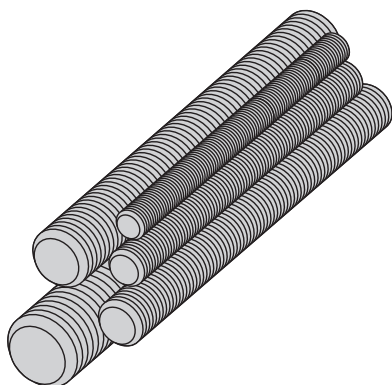
Black Zinc

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All Threaded Drop Rod

- Rolled threads for added strength.
- Loading Capacity (Safety Factor of 5)
 - $3/8$ "-16 = 610 lbs. (2.71 kN)
 - $1/2$ "-13 = 1130 lbs. (5.02 kN)
 - $5/8$ "-11 = 1810 lbs. (8.05 kN)
- Sold per 100 ft. (30.5m).
- Material: ASTM A307 Gr. A steel
- Finish: Yellow Zinc (YZN)
 - (Other finishes available upon request)

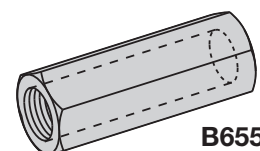


Part Number	Rod Length		Weight Per Rod	
	In.	(mm)	Lbs.	(kg)
$3/8$"-16 Thread Size				
ATR $3/8$ x12YZN	12"	(305)	0.3	(0.13)
ATR $3/8$ x36YZN	36"	(914)	0.9	(0.41)
ATR $3/8$ x72YZN	72"	(1829)	1.9	(0.86)
ATR $3/8$ x120YZN	120"	(3048)	3.1	(1.40)
ATR $3/8$ x144YZN	144"	(3657)	3.8	(1.72)
$1/2$"-13 Thread Size				
ATR $1/2$ x12YZN	12"	(305)	0.6	(0.27)
ATR $1/2$ x36YZN	36"	(914)	1.8	(0.81)
ATR $1/2$ x72YZN	72"	(1829)	3.6	(1.63)
ATR $1/2$ x120YZN	120"	(3048)	6.0	(2.72)
ATR $1/2$ x144YZN	144"	(3657)	7.2	(3.26)
$5/8$"-11 Thread Size				
ATR $5/8$ x12YZN	12"	(305)	1.0	(0.45)
ATR $5/8$ x36YZN	36"	(914)	3.0	(1.36)
ATR $5/8$ x72YZN	72"	(1829)	6.0	(2.72)
ATR $5/8$ x120YZN	120"	(3048)	10.0	(4.53)
ATR $5/8$ x144YZN	144"	(3657)	12.0	(5.44)

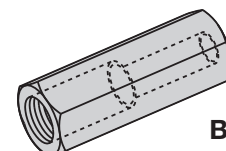
Threaded Rod Coupling

- Material: ASTM A307 Gr. A steel
- Finish: Clear Zinc (ZN)

Part Number	Thread Size	Coupling Length		Weight	
		In.	(mm)	Lbs.	(kg)
B655- $3/8$	$3/8$ "-16	1 $1/8$ "	(28)	0.02	(0.01)
B656- $1/2$ x $3/8$	$3/8$ "-16 & $1/2$ "-13	1 $1/4$ "	(32)	0.07	(0.03)
B655- $1/2$	$1/2$ "-13	1 $3/4$ "	(44)	0.11	(0.05)
B655- $5/8$	$5/8$ "-11	2 $1/8$ "	(54)	0.18	(0.08)
B656- $5/8$ x $1/2$	$1/2$ "-13 & $5/8$ "-11	1 $1/4$ "	(32)	0.14	(0.06)



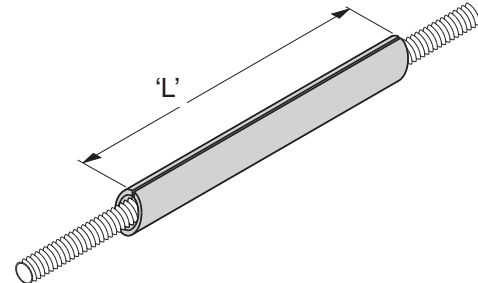
B655



B656

Threaded Rod Protector

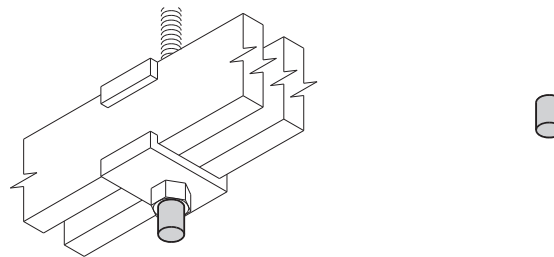
- Use to protect cabling from the all threaded rod.
- UL-94 V0 material for flame resistance.
- Material: PVC
- Finish Color: Gray



Part Number	Thread Size	'L'		Weight	
		In.	(mm)	Lbs.	(kg)
SB301 ^{1/2} x8	1/2"-13	8"	(203)	0.03	(0.01)
SB301 ^{5/8} x8	5/8"-11	8"	(203)	0.04	(0.02)
SB301 ^{1/2} x72	1/2"-13	72"	(1829)	0.23	(0.10)
SB301 ^{5/8} x72	5/8"-11	72"	(1829)	0.32	(0.14)

Threaded Rod End Cap

- Use to provide a protective covering for exposed threads on threaded rods, cap screws, etc.
- Sold in packages of 10.
- Material: Polyethylene
- Finish Color: Yellow

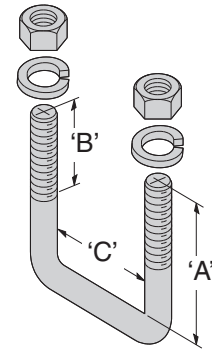


Part Number	Hardware Size	Weight per Package	
		Lbs.	(kg)
SB300B	3/8"-16	0.04	(0.018)
SB300C	1/2"-13	0.05	(0.022)
SB300D	5/8"-11	0.06	(0.027)

“U” Bolt

- Includes: hardware shown
- Material: SAE J429 steel
- Finish__: Yellow Zinc (YZN) or Black Zinc (BZ)

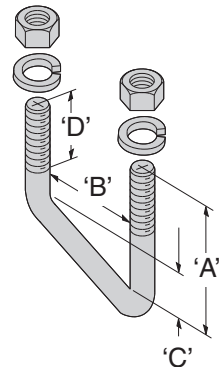
Part Number	‘A’		‘B’		‘C’		Thread Size	Weight Per 100	
	In.	(mm)	In.	(mm)	In.	(mm)		Lbs.	(kg)
SB1001A__	3"	(76)	1 1/4"	(32)	3 1/8"	(79)	1/2"-13	18	(8.1)
SB1001B__	4 1/2"	(114)	1 1/2"	(38)	3 1/8"	(79)	1/2"-13	23	(10.4)
SB1001E__	5 1/2"	(140)	1 1/2"	(38)	1 19/32"	(40)	3/8"-16	34	(15.4)
SB1001M__	5"	(127)	1 1/2"	(38)	4 1/8"	(105)	1/2"-13	75	(34.0)
SB1001S__	5"	(127)	1"	(25)	5 1/4"	(133)	1/2"-13	84	(38.1)
SB1001U__	4"	(101)	1"	(25)	1 9/16"	(39)	1/2"-13	54	(24.5)



“V” Bolt

- Designed for use with angle iron.
- Includes: hardware shown
- Material: SAE J429 steel
- Finish__: Yellow Zinc (YZN) or Black Zinc (BZ)

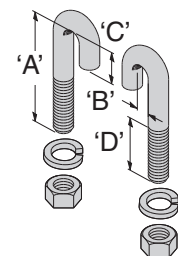
Part Number	‘A’		‘B’		‘C’		‘D’		Thread Size	Weight Per 100	
	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)		Lbs.	(kg)
SB100203A__	3"	(76)	2 1/16"	(52)	1 1/8"	(28)	1 1/4"	(32)	3/8"-16	21	(9.5)
SB100203B__	4"	(101)	2 1/16"	(52)	1 1/8"	(28)	1 1/2"	(32)	3/8"-16	26	(11.8)
SB100203C__	6"	(152)	2 1/16"	(52)	1 1/8"	(28)	1 1/2"	(32)	3/8"-16	36	(16.3)
SB100204B__	3"	(76)	2 1/8"	(54)	2"	(51)	13/16"	(20)	1/2"-13	44	(19.9)
SB100204D__	4"	(101)	2 1/8"	(54)	2"	(51)	1 1/2"	(32)	1/2"-13	52	(23.6)
SB100204G__	5"	(127)	2 1/8"	(54)	2"	(51)	2"	(51)	1/2"-13	62	(28.1)
SB100204H__	6"	(152)	2 1/8"	(54)	2"	(51)	2"	(51)	1/2"-13	71	(32.2)



“J” Bolt

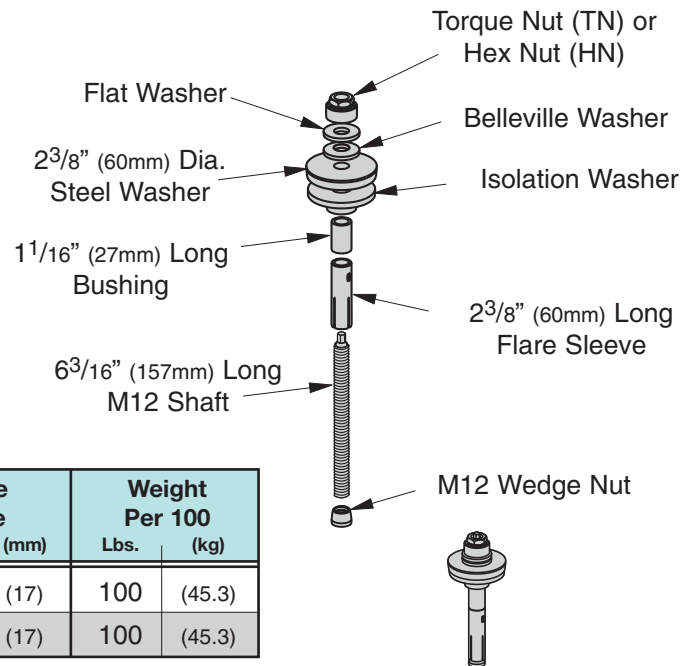
- Includes: hardware shown
- Material: SAE J429 steel
- Finish__: Yellow Zinc (YZN) or Black Zinc (BZ)

Part Number	‘A’		‘B’		‘C’		‘D’		Thread Size	Weight Per 100	
	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)		Lbs.	(kg)
SB1003A__	2"	(51)	1/4"	(6)	1/2"	(13)	1"	(25)	5/16"-18	13	(5.9)
SB1003F__	4 1/4"	(108)	1/2"	(13)	3/4"	(19)	1 1/4"	(32)	3/8"-16	31	(14.0)
SB1003G__	3 1/2"	(89)	13/16"	(20)	3/4"	(19)	1 1/4"	(32)	5/16"-18	20	(9.1)
SB1003J__	2 3/4"	(68)	7/16"	(11)	3/4"	(19)	1"	(25)	5/16"-18	16	(7.2)
SB1003K__	5"	(127)	1/2"	(13)	3/4"	(19)	1 1/4"	(32)	5/16"-18	25	(11.3)
SB1003M__	3 3/4"	(95)	7/16"	(11)	3/4"	(19)	1 1/4"	(32)	5/16"-18	20	(9.1)



Isolated Seismic Anchors

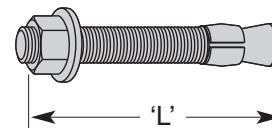
- For use in concrete in seismic applications.
- Complies with all NEBS GR-63-CORE requirements.
- Loading: 2700 Lbs (12.0kN) pull-out load with safety factor of 3.
- Material: Steel anchor & hardware with isolation washer.
- Finish: Yellow Zinc (YZN)



Part Number	Overall Length		Hole Size		Weight Per 100	
	In.	(mm)	In.	(mm)	Lbs.	(kg)
ASSAM12157TN	6 ³ / ₁₆ "	(157)	1 ¹ / ₁₆ "	(17)	100	(45.3)
ASSAM12157HN	6 ³ / ₁₆ "	(157)	1 ¹ / ₁₆ "	(17)	100	(45.3)

Wedge Anchors

- For use in concrete or stone.
- Material: steel with stainless steel clip
- Finish: Clear Zinc (ZN)

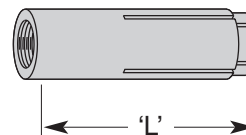


Part Number	Thread Size	'L' Length		Hole Size		Weight Per 100	
		In.	(mm)	In.	(mm)	Lbs.	(kg)
AWA-25-225	1/4"-20	2 ¹ / ₄ "	(57)	1/4"	(6)	3.7	(1.7)
AWA-37-275-BLT	3/8"-16	2 ³ / ₄ "	(70)	3/8"	(19)	18.8	(8.5)
AWA-50-275	1/2"-13	2 ³ / ₄ "	(70)	1/2"	(13)	18.8	(8.5)
AWA-50-375	1/2"-13	3 ³ / ₄ "	(95)	1/2"	(13)	23.6	(10.7)
AWA-62-350	5/8"-11	3 ¹ / ₂ "	(89)	5/8"	(16)	36.0	(16.3)

* Includes an additional 3/8" fender washer.

Drop-In Anchors

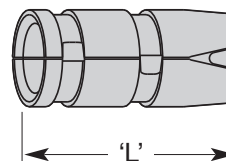
- For use in concrete or stone.
- Use with machine screw, bolt, or threaded rod.
- Material: Zamac #3 alloy



Part Number	Thread Size	‘L’ Length		Thread Depth		Hole Size		Weight Per 100	
		In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
ADI-37	3/8"-16	1 9/16"	(40)	5/8"	(16)	1/2"	(13)	3.2	(1.4)
ADI-50	1/2"-13	2"	(51)	1 3/16"	(20)	5/8"	(16)	5.8	(2.6)
ADI-62	5/8"-11	2 1/2"	(64)	1 3/16"	(30)	7/8"	(22)	8.0	(3.6)
ADI-75	3/4"-10	3 1/8"	(79)	1 3/16"	(30)	1"	(25)	12.5	(5.7)

Single Expansion Anchors

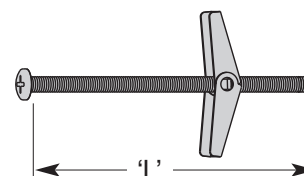
- For use in concrete, block, brick, or stone.
- Use with machine screw or bolt.
- Material: Zamac #3 alloy



Part Number	Thread Size	‘L’ Length		Hole Size		Weight Per 100	
		In.	(mm)	In.	(mm)	Lbs.	(kg)
ASE-25	1/4"-20	1 5/16"	(33)	1/2"	(13)	3.6	(1.6)
ASE-37	3/8"-16	1 1/2"	(38)	5/8"	(16)	6.4	(2.9)
ASE-50	1/2"-13	2"	(51)	7/8"	(22)	12.4	(5.6)
ASE-62	5/8"-11	2 5/8"	(67)	1"	(25)	20.5	(9.3)

Toggle Bolts

- For use in any type of hollow construction, drywall or block.
- Material: Steel
- Finish: Clear Zinc (ZN)

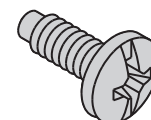


Part Number	Thread Size	‘L’ Length		Hole Size		Weight Per 100	
		In.	(mm)	In.	(mm)	Lbs.	(kg)
ATB-25-300	1/4"-20	3"	(76)	5/8"	(16)	5.8	(2.6)
ATB-37-300	3/8"-16	3"	(76)	7/8"	(22)	14.4	(6.5)
ATB-37-400	3/8"-16	4"	(101)	7/8"	(22)	17.6	(8.0)

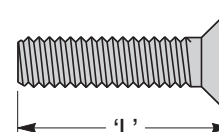
Bolts and Screws

- Threads: Class 2A, except lag screw.
- Material: ASTM A307 Gr. A steel
- Finish: Yellow Zinc (YZN)
- Other sizes are available, contact customer service.

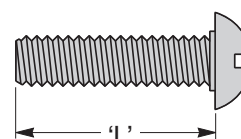
- For equipment rack mounting hardware see page 50 (SB58604)



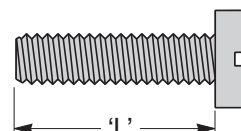
Part Number	Thread Size	'L' Length		Weight Per 100	
		In.	(mm)	Lbs.	(kg)
5/16X3/4SFHMSYZN	5/16"-18	3/4"	(19)	2.0	(0.91)
5/16X7/8SFHMSYZN	5/16"-18	7/8"	(22)	2.0	(0.91)
5/16X1SFHMSYZN	5/16"-18	1"	(25)	3.0	(1.36)
3/8X1SFHMSYZN	3/8"-16	1"	(25)	4.0	(1.81)



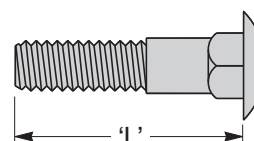
Part Number	Thread Size	'L' Length		Weight Per 100	
		In.	(mm)	Lbs.	(kg)
12-24X1/2SRHMSYZN	#12-24	1/2"	(13)	1.0	(0.45)
12-24X1SRHMSYZN	#12-24	1"	(25)	2.0	(0.91)
1/4X3/8SRHMSYZN	1/4"-20	3/8"	(9)	1.0	(0.45)
1/4X3/4SRHMSYZN	1/4"-20	3/4"	(19)	2.0	(0.91)



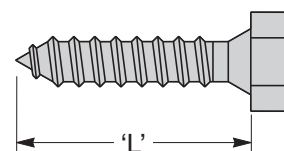
Part Number	Thread Size	'L' Length		Weight Per 100	
		In.	(mm)	Lbs.	(kg)
12-24X1/2SPHMSYZN	#12-24	1/2"	(13)	1.0	(0.45)
12-24X5/8SPHMSYZN	#12-24	5/8"	(16)	2.1	(0.95)
12-24X3/4SPHMSYZN	#12-24	3/4"	(19)	1.0	(0.45)



Part Number	Thread Size	'L' Length		Weight Per 100	
		In.	(mm)	Lbs.	(kg)
1/4X11/4SNCBYZN	1/4"-20	1 1/4"	(32)	2.0	(0.91)
5/16X21/4SNCBYZN	5/16"-18	2 1/4"	(57)	5.0	(2.27)
5/16X23/4SNCBYZN	5/16"-18	2 3/4"	(70)	6.0	(2.72)
3/8X11/4SNCBYZN	3/8"-16	1 1/4"	(32)	5.0	(2.27)
3/8X13/4SNCBYZN	3/8"-16	1 3/4"	(44)	7.0	(3.17)
3/8X21/4SNCBYZN	3/8"-16	2 1/4"	(57)	8.0	(3.63)



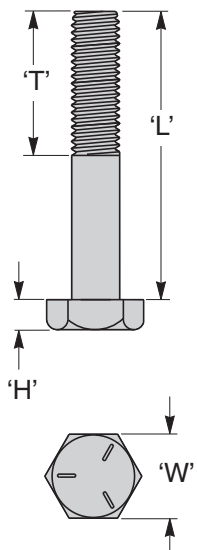
Part Number	Thread Size	'L' Length		Weight Per 100	
		In.	(mm)	Lbs.	(kg)
3/8X1 1/2HHLSYZN	3/8"	1 1/2"	(38)	4.0	(1.81)
3/8X2HHLSYZN	3/8"	2"	(51)	5.0	(2.27)
3/8X2 1/2HHLSYZN	3/8"	2 1/2"	(63)	8.0	(3.63)
1/2X2 1/2HHLSYZN	1/2"	2 1/2"	(63)	15.0	(6.80)



Steel Hex Head Cap Screw

- No threads within two pitches of bolt head.
- Class 2A threads.
- Dimensions are for reference only.
- Material: SAE J429 grade 5 steel.
ASTM F468 silicon bronze
- Finish: Yellow Zinc (YZN)
- Other sizes are available, contact customer service.

Bolt Size	'H'		'W'		'T'	
	In.	(mm)	In.	(mm)	In.	(mm)
1/4"-20	5/32"	(3.97)	7/16"	(11.1)	3/4"	(19.0)
5/16"-18	1/4"	(6.35)	1/2"	(12.7)	7/8"	(22.2)
3/8"-16	19/64"	(7.54)	9/16"	(14.3)	1"	(25.4)
1/2"-13	5/16"	(7.94)	3/4"	(19.0)	1 1/4"	(31.7)
5/8"-11	15/32"	(11.90)	15/16"	(23.8)	1 1/2"	(38.1)



Part Number Example

1/2 x 2 HHCS YZ

Thread Size

1/4 = 1/4"-20
5/16 = 5/16"-18
3/8 = 3/8"-16
1/2 = 1/2"-13
5/8 = 5/8"-11

Length 'L'

Add Suffix ____

YZN - Yellow Zinc

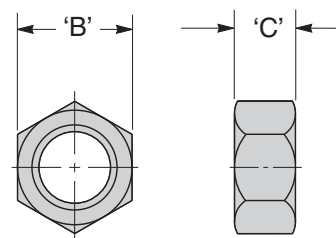
SB - Silicon Bronze (availability shown with ✓)

Part Number	Weight Per 100	
	Lbs.	(kg)
1/4"-20 Thread Size		
✓ 1/4X1/2HHCS__	1.0	(0.45)
✓ 1/4X3/4HHCS__	1.0	(0.45)
✓ 1/4X1HHCS__	2.0	(0.91)
✓ 1/4X1 1/4HHCS__	2.0	(0.91)
✓ 1/4X1 1/2HHCS__	2.0	(0.91)
1/4X1 3/4HHCS__	3.0	(1.36)
1/4X2HHCS__	4.0	(1.81)
1/4X2 1/2HHCS__	4.0	(1.81)
1/4X2 3/4HHCS__	4.0	(1.81)
1/4X3HHCS__	5.0	(2.27)
5/16"-18 Thread Size		
✓ 5/16X3/4HHCS__	2.0	(0.91)
✓ 5/16X1HHCS__	3.0	(1.36)
✓ 5/16X1 1/4HHCS__	3.0	(1.36)
✓ 5/16X1 1/2HHCS__	4.0	(1.81)
✓ 5/16X2HHCS__	5.0	(2.27)
✓ 5/16X3HHCS__	7.0	(3.17)
5/16"-18 Thread Size		
✓ 3/8X1/2HHCS__	4.0	(1.81)
✓ 3/8X3/4HHCS__	4.0	(1.81)
✓ 3/8X1HHCS__	5.0	(2.27)
✓ 3/8X1 1/4HHCS__	5.0	(2.27)
✓ 3/8X1 1/2HHCS__	6.0	(2.72)
✓ 3/8X1 3/4HHCS__	7.0	(3.17)
✓ 3/8X2HHCS__	7.0	(3.17)
✓ 3/8X2 1/4HHCS__	8.0	(3.63)
✓ 3/8X2 1/2HHCS__	9.0	(4.08)
✓ 3/8X2 3/4HHCS__	9.0	(4.08)
✓ 3/8X3HHCS__	10.0	(4.45)

Part Number	Weight Per 100	
	Lbs.	(kg)
1/2"-13 Thread Size		
✓ 1/2X3/4HHCS__	8.0	(3.63)
✓ 1/2X1HHCS__	9.0	(4.08)
✓ 1/2X1 1/4HHCS__	10.0	(4.45)
✓ 1/2X1 1/2HHCS__	11.0	(4.99)
✓ 1/2X1 3/4HHCS__	12.0	(5.44)
✓ 1/2X2HHCS__	14.0	(6.35)
✓ 1/2X2 1/4HHCS__	15.0	(6.80)
✓ 1/2X2 1/2HHCS__	16.0	(7.26)
✓ 1/2X2 3/4HHCS__	18.0	(8.16)
✓ 1/2X3HHCS__	19.0	(8.62)
✓ 1/2X3 1/4HHCS__	20.0	(9.07)
✓ 1/2X3 1/2HHCS__	22.0	(9.98)
✓ 1/2X3 3/4HHCS__	23.0	(10.43)
✓ 1/2X4HHCS__	25.0	(11.34)
✓ 1/2X4 1/2HHCS__	27.0	(12.25)
5/8"-11 Thread Size		
✓ 5/8X3/4HHCS__	13.0	(5.89)
✓ 5/8X1HHCS__	15.0	(6.80)
✓ 5/8X1 1/4HHCS__	17.0	(7.71)
✓ 5/8X1 1/2HHCS__	18.0	(8.16)
✓ 5/8X1 3/4HHCS__	20.0	(9.07)
✓ 5/8X2HHCS__	22.0	(9.98)
✓ 5/8X2 1/4HHCS__	24.0	(10.88)
✓ 5/8X2 1/2HHCS__	26.0	(11.79)
✓ 5/8X2 3/4HHCS__	28.0	(12.70)
✓ 5/8X3HHCS__	31.0	(14.06)
✓ 5/8X3 1/4HHCS__	33.0	(14.97)
✓ 5/8X3 1/2HHCS__	35.0	(15.87)
✓ 5/8X3 3/4HHCS__	37.0	(16.78)
✓ 5/8X4HHCS__	40.0	(18.14)
✓ 5/8X5HHCS__	48.0	(21.77)

Hex Nuts

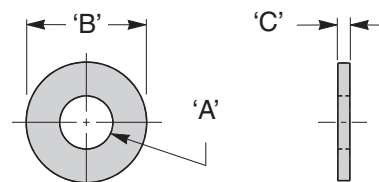
- Material: ASTM A536 Gr. A steel.
ASTM F468 silicon bronze
- Finish: Yellow Zinc (YZB)



Part Number		Thread Size	'B'		'C'		Weight Per 100	
YZN	Silicon Bronze		In.	(mm)	In.	(mm)	Lbs.	(kg)
12-24HNYZN	12-24HNSB	#12-24	7/16"	(11.1)	5/32"	(3.9)	1.0	(0.45)
1/4HNYZN	1/4HNSB	1/4"-20	7/16"	(11.1)	7/32"	(5.5)	1.0	(0.45)
5/16HNYZN	5/16HNSB	5/16"-18	1/2"	(12.7)	17/64"	(6.7)	1.0	(0.45)
3/8HNYZN	3/8HNSB	3/8"-16	9/16"	(14.3)	21/64"	(8.3)	2.0	(0.91)
1/2HNYZN	1/2HNSB	1/2"-13	3/4"	(19.0)	7/16"	(11.1)	6.0	(2.72)
5/8HNYZN	5/8HNSB	5/8"-11	15/16"	(23.8)	35/64"	(13.9)	7.0	(3.17)

Flat Washer

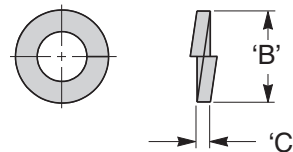
- Material: ASTM 844 steel.
651 alloy silicon bronze
- Finish: Yellow Zinc (YZB)



Part Number		Thread Size	'A'		'B'		'C'		Weight Per 100	
YZN	Silicon Bronze		In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
12FWYZN	--	#12-24	1/4"	(6.3)	9/16"	(14.3)	3/64"	(1.19)	0.30	(0.13)
1/4FWYZN	1/4FWSB	1/4"-20	5/16"	(7.9)	3/4"	(19.0)	1/16"	(1.59)	0.40	(0.18)
5/16FWYZN	5/16FWSB	5/16"-18	3/8"	(9.5)	3/4"	(19.0)	5/64"	(1.98)	1.20	(0.54)
3/8FWYZN	3/8FWSB	3/8"-16	7/16"	(11.1)	1"	(25.4)	5/64"	(1.98)	1.60	(0.72)
1/2FWYZN	1/2FWSB	1/2"-13	9/16"	(14.3)	1 3/8"	(34.9)	7/64"	(2.78)	4.10	(1.86)
5/8FWYZN	--	5/8"-11	1 1/16"	(17.4)	1 3/4"	(44.4)	9/64"	(3.57)	7.30	(3.31)

Lock Washer

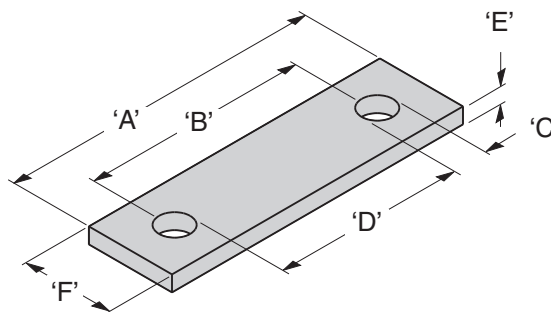
- Material: ANSI 18.21.1 steel.
651 alloy silicon bronze
- Finish: Steel - Yellow Zinc (YZN)



YZN	Part Number Silicon Bronze	Thread Size	'B'		'C'		Weight Per 100	
			In.	(mm)	In.	(mm)	Lbs.	(kg)
--	10LSB	#10-24	21/64"	(8.2)	.05"	(1.3)	0.1	(0.04)
1/4LWYZN	1/4LSB	1/4"-20	15/32"	(11.9)	.05"	(1.3)	3.0	(1.36)
5/16LWYZN	5/16LSB	5/16"-18	19/32"	(15.1)	.09"	(2.3)	4.0	(1.81)
3/8LWYZN	3/8LSB	3/8"-16	11/16"	(17.4)	.10"	(2.5)	6.0	(2.72)
1/2LWYZN	1/2LSB	1/2"-13	7/8"	(22.2)	.13"	(3.3)	13.0	(5.89)
5/8LWYZN	--	5/8"-11	13/32"	(27.8)	.17"	(4.3)	25.0	(11.34)

Two Hole Plate

- Material: ASTM A36 structural steel
- Finish: Yellow Zinc (YZ)

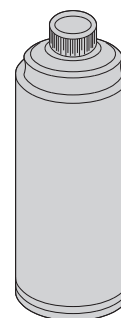


Part Number	'A'		'B'		'C'		'D'		'E'		'L'		Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB21501	35/8"	(92)	27/16"	(62)	7/16"	(11)	2"	(51)	3/16"	(5)	11/4"	(32)	0.25	(0.11)
SB21502	313/16"	(97)	25/8"	(66)	9/16"	(14)	21/16"	(52)	3/16"	(5)	11/4"	(32)	0.25	(0.11)
SB21503	31/4"	(82)	21/16"	(52)	9/16"	(14)	11/2"	(38)	3/16"	(5)	11/4"	(32)	0.20	(0.09)
SB21504	33/4"	(95)	29/16"	(65)	3/8"	(9)	23/16"	(55)	3/16"	(5)	11/4"	(32)	0.20	(0.09)
SB21505	31/2"	(89)	27/16"	(62)	3/8"	(9)	21/16"	(52)	3/16"	(5)	11/4"	(32)	0.20	(0.09)
SB21506	51/8"	(130)	43/8"	(111)	3/8"	(9)	4"	(101)	1/4"	(6)	11/4"	(32)	0.35	(0.16)
SB21507	63/4"	(171)	53/4"	(146)	9/16"	(14)	53/16"	(132)	3/8"	(9)	2"	(51)	1.40	(0.63)

Touch-Up Paint

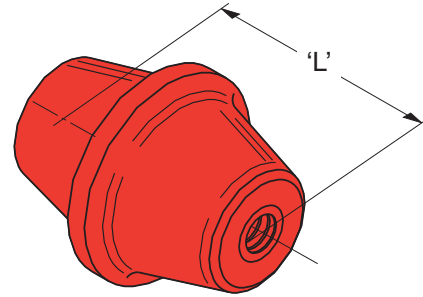
- Lacquer - Semi Gloss 13 oz. spray
- Fast drying
- High solids for coverage
- Can not be shipped air freight.

Part Number	Color	Weight	
		Lbs.	(kg)
SB420TG	Gray	0.9	(0.41)
SB420FB	Black	0.9	(0.41)



Stand-Off Isolator

- Use to electrically isolate copper ground bus.
- UL recognized material.
- UL 94 V0 Flame Resistance.
- Material: Polyester fiberglass with steel threaded inserts
- Finish Color: Red
- Tensile Pull-Out Strength: 2300 Lbs. (10.23kN)
- Cantilever Strength: 2800 in./lbs. (316Nm)
- Dielectric Strength: 19000 - 21000 volt S.T.



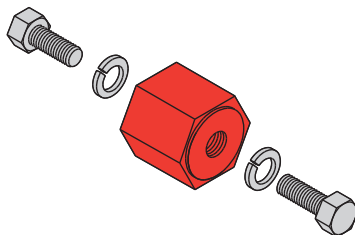
Part Number	Thread Size	'L'		Weight	
		In.	(mm)	Lbs.	(kg)
SB1155	3/8"-16	2 1/2"	(63)	0.30	(0.13)
SB1156	1/2"-13	2 1/2"	(63)	0.31	(0.14)
SB1157	5/8"-11	2 5/8"	(66)	0.39	(0.17)



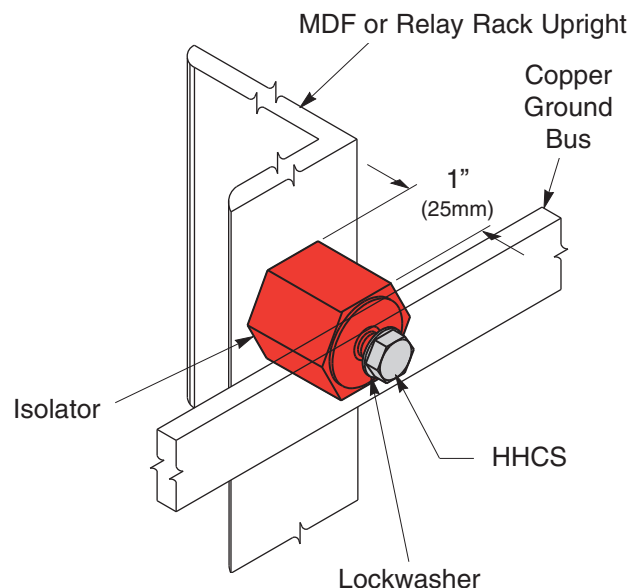
Popular Bee List item

1" (25mm) Stand-Off Isolator

- Use to secure and electrically isolate copper ground bus to equipment frame.
- Includes: (1) Isolator, (2 each) hex head cap screws and lock washers.
- UL recognized material.
- UL 94 V0 Flame Resistance.
- Material: Polyester fiberglass with steel threaded inserts
- Finish Color: Red
- Tensile Pull-Out Strength: 900 Lbs. (4.00kN)
- Cantilever Strength: 350 in./lbs. (39.5Nm)
- Dielectric Strength: 10000 volt S.T. minimum

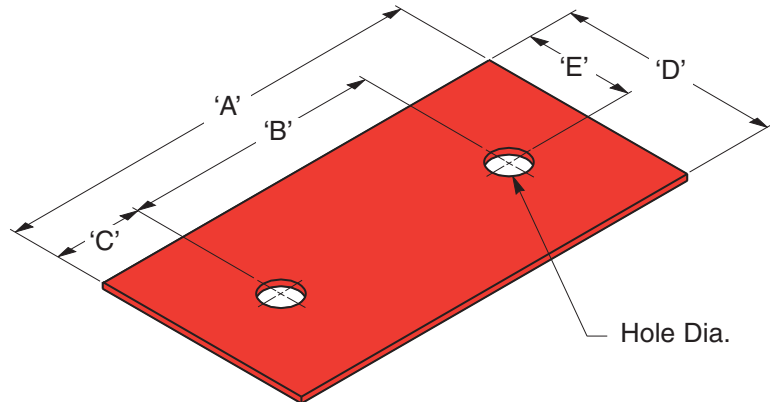


Part Number	Thread Size	Weight	
		Lbs.	(kg)
SB1154	1/4"-20	0.09	(0.04)
SB1153	#12-24	0.09	(0.04)



Two-Hole Isolation Pad

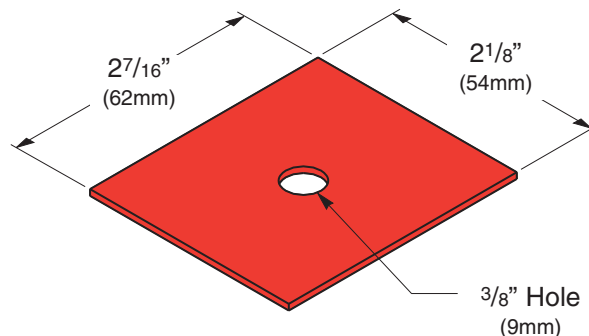
- Use to provide electrical isolation between metallic fittings.
- See SB-2531 for kit.
- UL recognized material.
- UL 94 V0 Flame Resistance.
- Material: 1/16" (1.6mm) polyester fiberglass
- Finish Color: Red



Part Number	'A'		'B'		'C'		'D'		'E'		Hole Diameter		Weight	
	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB116301	47/16"	(112)	27/16"	(62)	1"	(25)	21/8"	(54)	11/16"	(27)	3/8"	(9)	0.04	(0.02)
SB116302	31/2"	(89)	11/2"	(38)	1"	(25)	21/8"	(54)	11/16"	(27)	3/4"	(19)	0.03	(0.01)
SB116303	65/8"	(168)	45/8"	(117)	1"	(25)	21/8"	(54)	11/16"	(27)	11/16"	(17)	0.06	(0.03)
SB116304	45/8"	(117)	25/8"	(66)	1"	(25)	21/8"	(54)	11/16"	(27)	9/16"	(14)	0.04	(0.02)
SB116305	49/16"	(116)	29/16"	(65)	1"	(25)	23/4"	(70)	29/32"	(58)	3/8"	(9)	0.06	(0.03)
SB116306	41/8"	(105)	21/8"	(54)	1"	(25)	21/8"	(54)	11/16"	(27)	9/16"	(14)	0.04	(0.02)
SB116307	73/4"	(197)	53/4"	(146)	1"	(25)	25/8"	(67)	15/16"	(33)	5/8"	(16)	0.09	(0.04)
SB116308	49/16"	(116)	29/16"	(65)	1"	(25)	73/4"	(197)	29/32"	(58)	3/8"	(9)	0.16	(0.07)
SB116309	91/8"	(232)	25/8"	(67)	1"	(25)	21/8"	(54)	11/16"	(27)	9/16"	(14)	0.09	(0.04)

Single-Hole Isolation Pad

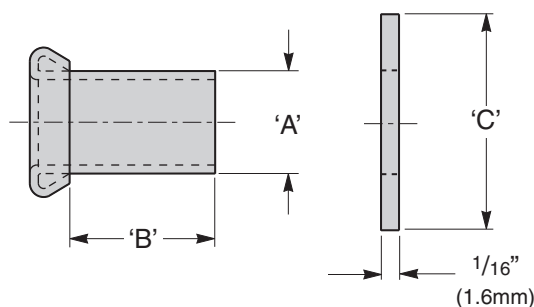
- Use to provide electrical isolation between metallic fittings.
- See SB-2501 for kit.
- UL recognized material.
- UL 94 V0 Flame Resistance.
- Material: 1/16" (1.6mm) polyester fiberglass
- Finish Color: Red



Part Number	Weight	
	Lbs.	(kg)
SB1162	0.03	(0.01)

Nylon Headed Sleeve Kit (Sleeve Washer Included)

- Use to provide electrical isolation when using metallic fasteners.
- Material: 6/6 Nylon
- Finish: Natural



Part Number	Used With Bolt Size	'A'		'B'		'C'		Weight	
		In.	(mm)	In.	(mm)	In.	(mm)	Lbs.	(kg)
SB114502	5/16"-18	.356"	(0.16)	1/4"	(6)	3/4"	(19)	0.001	(0.0004)
SB114504	5/16"-18	.356"	(0.16)	1/2"	(13)	3/4"	(19)	0.001	(0.0004)
SB114518	5/16"-18	.356"	(0.16)	25/16"	(59)	3/4"	(19)	0.003	(0.0013)
SB114602	3/8"-16	.419"	(0.19)	1/4"	(6)	7/8"	(22)	0.001	(0.0004)
SB114605	3/8"-16	.419"	(0.19)	5/8"	(16)	7/8"	(22)	0.001	(0.0004)
SB114707	1/2"-13	.548"	(0.25)	7/8"	(22)	1"	(25)	0.001	(0.0004)
SB114718	1/2"-13	.548"	(0.25)	25/16"	(59)	1"	(25)	0.005	(0.0022)
SB114807	5/8"-11	.680"	(0.31)	7/8"	(22)	1 1/4"	(32)	0.002	(0.0009)
SB114818	5/8"-11	.680"	(0.31)	25/16"	(59)	1 1/4"	(32)	0.006	(0.0027)

Screws & Cage Nuts

- All part numbers are packaged and sold in bags of 100 pieces.



Cage Nuts



Screws

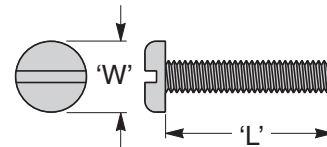
	Part Number	Description	Finish	Weight Each	
				lbs.	(kg)
Screws	E2MA1032PHMS100	#10-32 Phillips	Clear Zinc	0.1	0.04
	E2MA1224PHMS100	#12-24 Phillips	Clear Zinc	0.1	0.04
	E2MAM6PHMS100	M6 Phillips	Yellow Zinc	0.1	0.04
Cage Nuts	E2MACN1032100	#10-32 Phillips	Clear Zinc	0.1	0.04
	E2MACN1224100	#12-24 Phillips	Clear Zinc	0.1	0.04
	E2MACNM6100	M6 Phillips	Yellow Zinc	0.1	0.04

Nylon Fasteners

- Sold in packages of 100 pcs.
- Material: 6/6 Nylon
- Finish: Natural

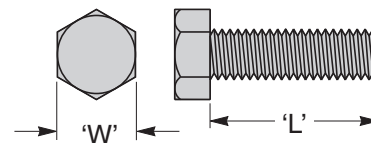
Pan Head Machine Screw

Part Number	Thread Size	'L'		'W'		Weight Per 100	
		In.	(mm)	In.	(mm)	Lbs.	(kg)
12-24X1SPHMSNYL	#12"-24	1"	(25)	27/64"	(11)	0.2	(0.09)



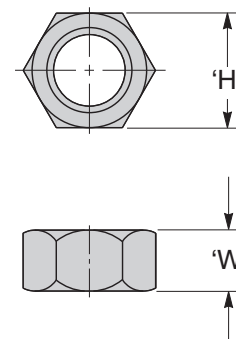
Hex Head Cap Screw

Part Number	Thread Size	'L'		'W'		Weight Per 100	
		In.	(mm)	In.	(mm)	Lbs.	(kg)
1/4X3/4HHCSNYL	1/4"-20	1/4"	(6)	3/8"	(9)	0.2	(0.09)
1/4 X1HHCSNYL	1/4"-20	1"	(25)	3/8"	(9)	0.3	(0.13)
1/4X1 1/2HHCSNYL	1/4"-20	1 1/2"	(38)	3/8"	(9)	0.3	(0.13)
5/16X1HHCSNYL	5/16"-18	1"	(25)	7/16"	(11)	0.4	(0.18)



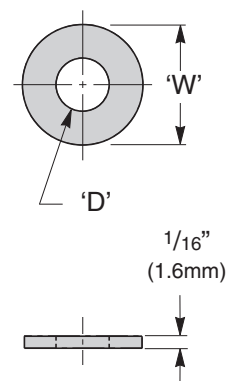
Hex Nut

Part Number	Thread Size	'H'		'W'		Weight Per 100	
		In.	(mm)	In.	(mm)	Lbs.	(kg)
12HNNYL	#12"-24	5/32"	(4)	7/16"	(11)	0.1	(0.04)
1/4HNNYL	1/4"-20	7/32"	(5)	7/16"	(11)	0.1	(0.04)
5/16HNNYL	5/16"-18	17/64"	(7)	1/2"	(13)	0.2	(0.09)



Flat Washer

Part Number	For Bolt Size	'D'		'W'		Weight Per 100	
		In.	(mm)	In.	(mm)	Lbs.	(kg)
#12FWNYL	#12	1/4"	(6.3)	9/16"	(14)	0.1	(0.04)
1/4FWNYL	1/4"	5/16"	(7.9)	11/16"	(17)	0.1	(0.04)
5/16FWNYL	5/16"	3/8"	(9.5)	3/4"	(19)	0.1	(0.04)
3/8FWNYL	3/8"	7/16"	(11.1)	7/8"	(22)	0.1	(0.04)



Metric Conversion Chart & Index

Metric Conversion Chart & Index

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To Convert From	To	Multiply By
Angle		
degree	radian (rad)	1.745329×10^{-2}
radian (rad)	degree	$5.729578 \times 10^{+1}$
Area		
foot ²	square meter (m ²)	9.290304×10^{-2}
inch ²	square meter (m ²)	6.451600×10^{-4}
circular mil	square meter (m ²)	5.067075×10^{-10}
sq. centimeter (cm ²)	square inch (in ²)	1.550003×10^{-1}
square meter (m ²)	foot ²	$1.076391 \times 10^{+1}$
square meter (m ²)	inch ²	$1.550003 \times 10^{+3}$
square meter (m ²)	circular mil	$1.973525 \times 10^{+9}$
Temperature		
degree Fahrenheit	degree Celsius	$t^{\circ}\text{C} = (t^{\circ}\text{F} - 32) / 1.8$
degree Celsius	degree Fahrenheit	$t^{\circ}\text{F} = 1.8 t^{\circ}\text{C} + 32$
Force		
pounds-force (lbf)	newtons (N)	4.448222
Length		
foot (ft)	meter (m)	3.048000×10^{-1}
inch (in)	meter (m)	2.540000×10^{-2}
mil	meter (m)	2.540000×10^{-5}
inch (in)	micrometer (μm)	$2.540000 \times 10^{+4}$
meter (m)	foot (ft)	3.280840
meter (m)	inch (in)	$3.937008 \times 10^{+1}$
meter (m)	mil	$3.937008 \times 10^{+4}$
micrometer (μm)	inch (in)	3.937008×10^{-5}
Volume		
foot ³	cubic meter (m ³)	2.831685×10^{-2}
inch ³	cubic meter (m ³)	1.638706×10^{-5}
cubic centimeter (cm ³)	cubic inch (in ³)	6.102374×10^{-2}
cubic meter (m ³)	foot ³	$3.531466 \times 10^{+1}$
cubic meter (m ³)	inch ³	$6.102376 \times 10^{+4}$
gallon (U.S. liquid)	cubic meter (m ³)	3.785412×10^{-3}
Section Properties		
section modulus S (in ³)	S (m ³)	1.638706×10^{-5}
moment of inertia I (in ⁴)	I (m ⁴)	4.162314×10^{-7}
modulus of elasticity E (psi)	E (Pa)	$6.894757 \times 10^{+3}$
section modulus S (m ³)	S (in ³)	$6.102374 \times 10^{+4}$
moment of inertia I (m ⁴)	I (in ⁴)	$2.402510 \times 10^{+6}$
modulus of elasticity E (Pa)	E (psi)	1.450377×10^{-4}

Metric Symbols

cm = centimeter
 kg = kilogram
 kN = kilonewton
 m = meter
 μm = micrometer
 mm = millimeter
 MPa = megapascal
 N = newton
 Nm = newton-meter
 Pa = pascal

To Convert From	To	Multiply By
Bending Moment or Torque		
lbf•ft	newton meter (N•m)	1.355818
lbf•in	newton meter (N•m)	1.129848 x 10 ⁻¹
N•m	lbf•ft	7.375621 x 10 ⁻¹
N•m	lbf•in	8.850748
Mass		
ounce (avoirdupois)	kilogram (kg)	2.834952 x 10 ⁻²
pound (avoirdupois)	kilogram (kg)	4.535924 x 10 ⁻¹
ton (short, 2000 lb)	kilogram (kg)	9.071847 x 10 ⁺²
ton (long, 2240 lb)	kilogram (kg)	1.016047 x 10 ⁺³
kilogram (kg)	ounce (avoirdupois)	3.527396 x 10 ⁺¹
kilogram (kg)	pound (avoirdupois)	2.204622
kilogram (kg)	ton (short 2000 lb)	1.102311 x 10 ⁻³
kilogram (kg)	ton (long 2240 lb)	9.842064 x 10 ⁻⁴
Mass Per Unit Length		
lb/ft	kilogram per meter (kg/m)	1.488164
lb/in	kilogram per meter (kg/m)	1.785797 x 10 ⁺¹
kg/m	lb/ft	6.719689 x 10 ⁻¹
kg/m	lb/in	5.599741 x 10 ⁻²
Mass Per Unit Volume		
lb/ft ³	kilogram per cubic meter (kg/m ³)	1.601846 x 10 ⁺¹
lb/in ³	kilogram per cubic meter (kg/m ³)	2.767990 x 10 ⁺⁴
kg/m ³	lb/ft ³	6.242797 x 10 ⁻²
kg/m ³	lb/in ³	3.612730 x 10 ⁻⁵
lbs/ft ³	lbs/in ³	1.728000 x 10 ⁺³
Mass Per Area Unit		
lb/ft ²	kilogram per square meter (kg/m ²)	4.882428
kg/m ²	pound per square foot (lb/ft ²)	2.048161 x 10 ⁻¹
Pressure or Stress		
lbf/in ² (psi)	pascal (Pa)	6.894757 x 10 ⁺³
kip/in ² (ksi)	pascal (Pa)	6.894757 x 10 ⁺⁶
lbf/in ² (psi)	megapascals (MPa)	6.894757 x 10 ⁻³
pascal (Pa)	pound force per sq. inch (psi)	1.450377 x 10 ⁻⁴
pascal (Pa)	kip per sq. inch (ksi)	1.450377 x 10 ⁻⁷
megapascals (MPa)	lbf/in ² (psi)	1.450377 x 10 ⁺²

Abbreviations			
AISC	= American Institute of Steel Construction	Max.	= Maximum
AISI	= American Iron & Steel Institute	Min.	= Minimum
ANSI	= American National Standards Institute	MSS	= Manufacturers' Standardization Society
ASTM	= American Society for Testing & Materials	NFPA	= National Fire Protection Association
AWWA	= American Water Works Association	O.D.	= Outside Diameter
Dia.	= Diameter	Oz.	= Ounces
Ft.	= Feet	Pre-Galv.	= Pre-galvanized
FM	= Factory Mutual	psi	= Pounds Per Square Inch
Ga.	= Gauge	PVC	= Poly Vinyl Chloride
I.D.	= Inside Diameter	UL	= Underwriters' Laboratories, Inc.
In.	= Inch	UNC	= Unified Course Threads
Lbs.	= Pounds	UNC R	= Unified Course Threads (Rounded Root)
		Wt./C	= Weight per 100

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Cooper B-Line Announces OSHDP Pre-Approved (OPA) Numbers for Rack and Runway Products

OPA numbers are now available for Cooper B-Line rack and runway products from California's Office of Statewide Health Planning and Development (OSHDP). These OSHDP Pre-Approved (OPA) numbers eliminate much of the need for seismic engineering services in California. OPA numbers are also used in surrounding areas that enforce very strict safety standards to protect their data communications systems.

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Specific products are designated in this catalog with the **OPA** symbol.

For details and submittal sheets, please visit
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☐ **Access Cabinets**

Cooper B-Line's Access cabinet system is a unique electronic cabinet innovation that is specifically designed to bring unrivaled advantages to free standing cabinets and offers a number of benefits that reduce the total cost of ownership.

☐ **V-LINE Cabinets**

Cooper B-Line developed the V-LINE enclosure platform to be versatile enough to exceed performance expectations in today's dynamic networking environments yet be a competitively priced solution. Many innovative features are designed into the V-LINE platform, offering valuable benefits for users.

☐ **Flextray®**

Flextray is a flexible, field-adaptable way to manage cables throughout your project. The tray itself can be cut and bent to the needs of the installer on the jobsite, allowing cable runs to be adjusted as needed. The wide range of sizes offered by Cooper B-Line makes Flextray a great choice for everything from a small cable drop to a large trunk of cables. Our tray has the market-preferred "T" weld safety edge, protecting both the cable and the installer during cable installation. Flextray is also UL Classified as an equipment grounding conductor.

☐ **F.A.S.T. System**

The F.A.S.T. System is Foldable, Adjustable, Stackable, and Tool-less, providing many options to manage cables inside your raised floor space. With only a few parts, you can create everything from a basic single layer installation to a cantilevered, multiple-tier cable run. Make the most of your raised floor space and your time with the F.A.S.T. System!

☐ **Strut**

Cooper B-Line's strut system contains a variety of channel and fittings which can be used to assemble supports such as racks, trapeze hangers and raceways and the bolt-together design eliminates the need for welding or drilling.

☐ **Wall Mount Cabinets**

Cooper B-Line's wall mount products are designed with features to fit most applications. All wall mount products conform to EIA 310-D universal hole spacing and are manufactured from high quality steel or aluminum. Whether in the classroom, telecommunication closet, network centers or warehouse, B-Line's wall mounted cabinets and frames will provide solid support and required flexibility for present and future technology.

☐ **Fasteners**

Cooper B-Line's spring steel fastener line includes over 450 items for the construction industry. Included are metal stud fasteners, conduit and cable fasteners, acoustical tee fasteners, beam fasteners, hangers (strap, rod, 'Z' purlin, flange, etc.) and miscellaneous accessories.

☐ **E2 Zone 4**

If your application requires a seismic rated enclosure, Cooper B-Line's E2 Zone 4 enclosure line offers a NEBS GR-63 CORE compliant solution. Our heavy duty, reinforced steel construction offers a seismic load rating of 850 lbs. and comes with a variety of options for doors and panels.

Global Locations

Cooper B-Line's U.S. Customer Service Center is staffed Monday through Friday from 7 a.m. to 5:00 p.m. Central Standard Time. If a situation requires that you have to contact us after hours, please leave a message via phone or E-mail so we can give it immediate attention the following business day.

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