



ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

GENERAL INFORMATION

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■ Drawings

Product drawings throughout the catalog may be a reduced representation/not drawn to scale. They are representations of the product size, dimensions, shape, etc. For scale drawings in PDF or AutoCAD (DWG) format, please visit our website: www.pemko.com.

General Information & Terms

TERMS:

All prices are F.O.B. factory. To customers with satisfactory and / or prior approved credit and account status, terms of 2% 10th prox., NET 20th, will be allowed. Please enclose an account application prior to or with your initial order.

CREDIT CARD CAPABILITIES:

Visa, Mastercard and American Express are accepted (only for established open accounts). Payment terms are NET.

FREIGHT TERMS:

All orders are F.O.B. factory. For NET orders of \$1000.00 or more, freight will be prepaid in the continental U.S. for shipment the most economical way. For shipments to Hawaii on NET orders of \$1350.00 or more, freight will be prepaid the most economical way. A freight allowance of \$13 / cwt will apply on shipments to Canada, Alaska, or Puerto Rico for NET orders of \$1100.00 or more. All shipments that exceed 108" in packaged length must be shipped LTL. Add 2" to the length of the product for finish package length. Minimum freight on these orders is \$110.

CRATING CHARGES/SPECIAL PACKAGING:

\$50.00 NET. This will be added to any order not meeting prepaid freight where the product is over 10' in length or welded threshold assemblies.

MINIMUM ORDER LEVEL:

A surcharge of \$7.50 NET will be added to NET orders less than \$50.00.

RETURNS and ALLOWANCES:

No merchandise will be accepted for return or credit unless prior written approval is obtained. Returned merchandise must be of recent sale (6 months), in restockable / resalable quality, size, and condition. A minimum 30% charge plus freight charges will be made for returns. Material that is not in standard stock sizes, is made to special order, has a custom finish, or has been sold at special consideration or closeout is not returnable. Foam tape is not returnable. S88, S44, PK55, and PK33 may only be returned within three months of the date of sale.

CANCELLATION CHARGES:

Cancelled orders for special material, non-stock sizes, or special sizes are subject to cancellation charges, based on factory expense and material used.

GUARANTEE:

Pemko products are guaranteed for 5 years against defects in material or workmanship, except: 1) PemKote™ abrasive surface for thresholds is guaranteed for 10 years. 2) Polyurethane Foam Tapes are guaranteed for 90 days. 3) Grade 1 PemkoHinges™ are guaranteed for the life of the opening against defects in material or workmanship. All other Grades of PemkoHinge™ carry a 10 year warranty. 4) Electrical modification performance is guaranteed for 5 years. 5) PC Henderson products are guaranteed for 2 years against defects in material workmanship. Pemko will not be liable for defects or damages arising from improper installation, product modification, incorrect application or storage of product. Written notice of damages must occur within the warranty period. Liability shall be limited to the replacement of product or component determined to be defective and shall not include costs arising from removal or reinstallation of product. Cost of replacement shall not exceed original purchase price. No other claims will be allowed. In no event shall liability be extended to include punitive, incidental or consequential damages arising from use of Pemko products. This is the sole warranty given by Pemko Manufacturing. No other warranty implied or expressed shall be allowed.

CLAIMS FOR SHORTAGE OR DAMAGE IN TRANSIT:

All claims must be made within ten (10) days of receipt of goods. Consignee assumes the risk of loss or damage in transit.

MILL LENGTHS:

Most extrusions are available in mill lengths. Cut lengths over 12 feet are charged as mill lengths.

ORDERING INFORMATION:

Please order material by product number, specifying length required per piece and the number of pieces. Most weatherstrips are stocked in standard sizes. If it is not practical to furnish the size ordered, the next larger size will be furnished and charged. Thresholds are maintained in standard sizes with 1/2" extra length on thresholds thru 47" and 1" extra length for thresholds 48" and longer to allow for fitting and field trim, unless exact net cut size is specified.

NON-STOCK FINISH INFORMATION:

Some items shown in this catalog are not stocked in certain finishes (i.e. BDG, PW, and G). 'Batch charges' may be required on non-stock finishes to achieve our normally fast lead times. Contact Pemko Customer Service for a quotation and lead time.

OPTION TABLES:

The option tables are provided for selection of other than standard or normal finishes, components, fabrication, or fasteners. Since these are other than standard or normal, please allow an appropriate amount of extra lead time for option(s) selected.

CUTTING TOLERANCES:

Elastometric: -0 + 2" (50.8mm)
 Thresholds (up to 48"): + 1/2" (12.7mm)
 Thresholds (48" and up): + 1" (25.4mm)
 Net Cut: +/- 0.060, 1/16" (1.5mm)
 Hinges: +/- 0.032, 1/32" (0.8mm)
 Automatic Door Bottoms: +/- 0.060, 1/16" (1.5mm)

Orders are subject to acceptance by PEMKO. All prices and terms are subject to change without notice.

GENERAL INFORMATION

Materials & Finishes Information

METALS:

Pemko's extruded metal products are made from: 6063 and 6463 aluminum alloys, and CDA alloy C38500 architectural bronze (brass). Roll-formed metal products are made from stainless steel, high-strength special-purpose zinc alloy, 70-30 yellow brass or 85-15 red brass. Roll-formed aluminum weatherstripping is produced from various alloys selected for the particular properties required. 357SP is made from hot rolled galvanized steel; the 357SS is made from 304-stainless steel. (See finishes information below for all finish designations). If you do not see the option you require, please inquire with our customer service department about the feasibility of a custom finish.

STANDARD FINISHES:

- A** - Mill Finish Aluminum
- AK** - Mill Finish Aluminum w/PemKote™
- B** - Mill Finish Extruded Bronze (Brass)
- BDC** - Bright Dip Clear Anodized Aluminum
- BDG** - Bright Dip Gold Anodized Aluminum
- C** - Clear Anodized Aluminum
- CB** - Cladded Brass
- D** - Dark Bronze Anodized Aluminum
- G** - Gold Anodized Aluminum
- K** - PemKote™ (on aluminum or bronze)
- PA** - Mill Finish Aluminum
- PD** - Painted Dark Bronze Aluminum
- PG** - Painted Gold Aluminum
- PW** - Painted White Aluminum
- S** - Cladded Stainless Steel
- SN** - Satin Nickel Anodized Aluminum
- SP** - Galvanized Steel
- SS** - Stainless Steel (see individual part for finish)
- Z** - Zinc Metal

SPECIAL ORDER FINISHES:

Champaigne
Light/Medium Dark Bronze
Painted Aluminum (any color)
Polished Aluminum, Uncoated
Polished Bronze, Uncoated
Satin Brushed Aluminum, Uncoated
Satin Brushed Bronze, Uncoated
Oxidized and Oil Rubbed Bronze

FINISH OPTIONS:

PemKote™
Anodized (clear, light/medium dark bronze, black, champaigne, gold)
Chrome Plate
Prime Coat
Pewter Finish for Aluminum
Polish/Buf Buff Brass
Polish/Buf Aluminum
Satin Buff Brushed Brass
Oxidized & Oil Rubbed L-metal (ANSI/BHMA 722)
Oxidized & Oil Rubbed L-metal (custom finish)
Oxidized & Oil Rubbed Thresholds (ANSI/BHMA 722)
Oxidized & Oil Rubbed Thresholds (custom finish)
Oxidized & Oil Rubbed Weatherstrip (ANSI/BHMA 722)
Oxidized & Oil Rubbed Weatherstrip (custom finish)

ADHESIVE GASKETING and REPLACEMENT VINYL FINISHES:

- BL** - Black
- C** - Clear
- D** - Dark Brown
- GR** - Light Gray
- TAN** - Tan
- W** - White

HINGE FIREPIN FINISHES:

- B** - Black Oxide
- Z** - Zinc

LITES & LOUVERS FINISHES:

- B** - Beige Powder Coat
- D** - Dark Bronze Duranodic Powder Coat
- G** - Gray Primer Powder Coat

INSERTS:

Pemko manufactures many products with gasketing inserts (seals). Some products are made completely from non-metallic materials. Please refer to specific parts throughout the catalog for complete information. SiliconSeal™ (S) and PemkoPrene™ (PK) attributes can be found in the Self-Adhesive Gasketing section. All vinyl (V) parts and inserts are extruded from the highest quality vinyl and comply with all the requirements specified in Commercial Standard CS 230-60, as developed by the U.S. Department of Commerce. (See insert information below for all insert (seal) designations). Also, the available inserts (seals) for each individual product are shown adjacent to each individual product.

- | | |
|-------------------------|----------------------------|
| F - Felt | R - Sponge Neoprene |
| M - Magnetic | S - SiliconSeal |
| N - Neoprene | SB - Soft Brush |
| NB - Nylon Brush | T - ThermoSeal™ |
| P - Pile | TF - Triple Foam |
| PK - PemkoPrene™ | V - Vinyl |
| Q - Kerf-in Foam | |

COMPONENT OPTIONS:

Aluminum Pan, 3-1/2", for Water Return Thresholds*
Brass Pan, 3-1/2", for Water Return Thresholds*

* Additional widths available upon request

FABRICATION OPTIONS:

Pemko offers many fabrication options to fit specific job requirements including beveling special cuts, rips, tack welds, lead lining, L-notches, U-notches, half notches, full notches, drill, mill and drill, as well as single and double miter returns. Please consult our Customer Service and/or Engineering departments for details. Custom fabrications are subject to engineering design costs and are quoted on a time and material basis.

| | |
|--------------|--|
| Bevel | One Edge |
| Cut | Thresho-Sill Nosing Flush |
| Leadline | Leadline of Astragals |
| Rip | Width |
| Tack Weld | One Line |
| Tab | Welded Tab & Screw |
| Support Leg | For Elevated Plates 3" CC (Center to Center) |
| L-Notch | Both Ends of Threshold |
| U-Notch | Both Ends of Threshold |
| Drill | Thresho-Sill (Add "H" to Prod. #) |
| Mill & Drill | Thresho-Sill (Add "M" to Prod. #) |
| Miter1 | Single, One End of Threshold |
| Miter2 | Single, Both Ends of Threshold |
| Miter1 | Double, One End of Threshold |
| Miter2 | Double, Both Ends of Threshold |
| Half Notch | 1/2", Door Shoe, Both Ends, Drip Only |
| Full Notch | 1/2", Door Shoe, Both Ends |
| Half Notch | 3/4", Door Shoe, Drip Only, Both Ends |
| Half Notch | 5/8", Door Shoe, Drip Only, Both Ends |
| Half Notch | 9/16", Door Shoe, Drip Only, Both Ends |
| Weepholes | All Door Shoes |
| WPS-SSL | Side Light Adapter |
| WPS-DSL | Double Side Light Adapter |

FABRICATION OPTIONS IMPORTANT NOTE: Complicated fabrications are quoted based on time and materials.

Materials & Finishes Information (Cont.)

FASTENER OPTIONS:

Most products are furnished with standard fasteners. Please refer to specific products or product categories for standard fastener details. When specified, Pemko will furnish special types of available screws and anchors at an extra cost.

Automatic Door Bottom Kits:

| | |
|---------|--|
| K411 | Kit for 411 Door Bottom |
| K412PA | Kit for 412 Door Bottom - Aluminum Finish |
| K412PD | Kit for 412 Door Bottom - Dark Bronze Finish |
| K412PG | Kit for 412 Door Bottom - Gold Finish |
| K420 | Kit for 420 Door Bottom |
| K430MPA | Kit for 430 Door Bottom - Aluminum Finish (Mortised App.) |
| K430MPD | Kit for 430 Door Bottom - Dark Bronze Finish (Mortised App.) |
| K430MPG | Kit for 430 Door Bottom - Gold Finish (Mortised App.) |
| K430PA | Kit for 430 Door Bottom - Aluminum Finish (Surface App.) |
| K430PD | Kit for 430 Door Bottom - Dark Bronze Finish (Surface App.) |
| K430PG | Kit for 430 Door Bottom - Gold Finish (Surface App.) |

Hinge Fasteners:

| | |
|------|---|
| KCCP | Kit for Center Pivot Continuous Hinge - Clear Finish |
| KCFS | Kit for Full & Half-Surface Continuous Hinge - Clear Finish |
| KDCP | Kit for Center Pivot Continuous Hinge - Dark Bronze Finish |
| KDFS | Kit for Full & Half-Surface Continuous Hinge - Dark Bronze Finish |

Anchors:

| | |
|----------|---|
| ES10L | #10-24 x 3/4", Lead Expansion Shields |
| ES14L | 1/4-20 x 3/4", Lead Expansion Shields |
| LS10L | #10-12-14 x 1" Lead Shield |
| PLA580-3 | #10-12 x 1" Plastic Expansion Shield (3 per pack) |

Machine Screws:

| | |
|------------|--|
| MS10100Z | #10-24 x 1" Machine Screw, Zinc |
| MS10150Z | #10-24 x 1-1/2" Machine Screw, Zinc |
| MS10200Z | #10-24 x 2" Machine Screw, Zinc |
| MS14150Z | 1/4-20 x 1-1/2" Machine Screw, Zinc |
| MSES10Z3 | #10-24 x 1-1/2" Machine Screw, Zinc (3 pack w/ Exp. Shield) |
| MSES25Z3 | 1/4-20 x 1-1/2" Machine Screw, Zinc (3 pack w/ Expansion Shield) |
| MS12044Z40 | #12-24 x 7/16" Machine Screw, FHUC Self Tap #3 Phillips, Zinc, 42 pack, Hinge Fastener |
| MS&ES10 | #10 Machine Screws & Expansion Shields |
| MS&ES25 | 1/4-20 Machine Screws & Expansion Shields |
| SS/MS&ES10 | #10 Stainless Steel Machine Screws & Expansion Shields |
| SS/MS&ES25 | 1/4-20 Stainless Steel Machine Screws & Expansion Shields |
| MS10 | #10 Machine Screws Only (No Anchors) |
| MS25 | 1/4-20 Machine Screws Only (No Anchors) |
| SS/MS10 | #10 Stainless Steel Machine Screws Only |
| SS/MS25 | 1/4-20 Stainless Steel Machine Screws Only |

Nails:

| | |
|----------|--|
| NL13516Z | #13 x 5/16" Weatherstrip Nail |
| NL1634SS | #16 x 3/4" Stainless Steel Weatherstrip Nail |
| NL1678Z | #16 x 7/8" Weatherstrip Nail - Flat Head |
| SCNL578Z | #5 x 7/8" Screw Nail |

Sheet Metal Screws:

| | |
|--------------|---|
| SMS658SS | #6 x 5/8" Stainless Steel Sheet Metal Screw |
| SMS10100 | #10 x 1" Sheet Metal Screw - Phillips Flat Head |
| SMS634TRSS | #6 x 3/4" Stainless Steel Phillips Truss Head |
| SMS12150BL20 | #12 x 1-1/2" Sheet Metal Screw, 21 pack |

Concrete Screws:

| | |
|--------------|---|
| Concrete1.25 | #10x1-1/4" Concrete Screws Phillips Flat Head |
| Concrete1.75 | #10x1-3/4" Concrete Screws Phillips Flat Head |

TEK Screws:

| | |
|---------------|--|
| TKS658SS | #6x5/8 Stainless Steel TEK Screw, Pan Head |
| TKS1234UCBL21 | #12x3/4" TEK Screw, Phillips Flat Head, Undercut Hinge fastener, 21 pack |

Thru Bolts:

| | |
|-----------|-------------------------------------|
| TB1420MSZ | 1/4-20 Thru Bolt with Machine Screw |
|-----------|-------------------------------------|

TORX Screws:

| | |
|-----------------|--|
| TORXMS10150Z | #10 x 1-1/2" Flat Head Torx Machine Screw |
| TORXSM634SS | #6 x 3/4" Stainless Steel Sheet Metal Torx |
| TORXMS12050SS20 | #12-24 1/2" Stainless Steel FHUC Screw - Hinge Fastener, 20 Pack |

Wood Screws:

| | |
|----------|--|
| WS/LS | #10 x 1-1/2" Wood Screw & Lead Shield |
| WS/PA | #10 x 1-1/2" Wood Screw & Plastic Anchor |
| WS/RP | #10 x 1-1/2" Wood Screw & Fiber Plug |
| WS10100Z | #10 x 1" Wood Screw - Flat Head |
| WS10200Z | #10 x 2" Wood Screw - Flat Head |
| WS10250Z | #10 x 2-1/2" Wood Screw - Flat Head |
| WS10300Z | #10 x 3" Wood Screw - Flat Head |
| WS10400Z | #10 x 4" Wood Screw - Flat Head |
| SS/WS | #10 x 1-1/2" Stainless Steel Wood Screw |

FASTENER OPTIONS IMPORTANT NOTE: Some thresholds require more than 1 row of fasteners across their width. Carpet thresholds which are 4" or wider (2364, 2464 and 2366) require 2 rows of fasteners. Floor plates and safety treads which are 6" or wider (such as 193) require 2 rows of fasteners. All thermal barrier thresholds (such as 253x3AFG) require 2 rows of fasteners. All other thresholds which are 8" or wider (including custom assemblies) require more than 1 row of fasteners. Special order fastener prices double, triple, quadruple, etc. depending upon the number of rows of fasteners across the width of a given threshold.

HOW TO ORDER (PRODUCT NUMBER DESIGNATIONS):

When placing your order, please specify the product profile number, finish, insert and size/length. Also make sure to clearly state any special fabrication needs, optional fasteners or custom finishes/sizes required.

Throughout the catalog, products are listed with an underscore (_) where variable finishes are available. Lengths are added on to the end of product numbers and are not typically shown per product. More in-depth ordering information for specific lines are available in that product's section of the catalog.

STANDARD PRODUCTS:

Example: **2001 | A | T | 36** (Shown as **2001_T** in catalog)

| Profile #: | Finish: | Insert: | Size/Length: |
|------------|---------|------------------|--|
| 2001 | A | T = ThermoSeal™ | 36 = 36" |
| 216 | SN | PK = PemkoPrene™ | 48 = 48" |
| 297 | BDG | V = Vinyl | 3684 = 1 piece @ 36" + 2 pieces @ 84" |

ADHESIVE GASKETING PRODUCTS:

Example: **5773 | D | 21** (Shown as **5773_** in catalog)

| Profile #: | Finish: | Size/Length: |
|------------|---------|-----------------------------|
| 5773 | W | 21 = 21' coil |
| PK55 | BL | 510 = 510' (bulk packaging) |
| S88 | D | 17 = 17' coil |

PEMKOHINGE™ PRODUCTS:

See detailed ordering chart on page 14 in the PemkoHinge™ section.

MODULAR RAMP PRODUCTS:

See ordering information throughout Modular Ramps section.

Product Testing/Classification Symbols

- These symbols are shown adjacent to products throughout the catalog so that one can readily identify and select products which meet specification and/or code requirements.



Air Infiltration Tested
Tested To:
ASTM E-283

Products indicated by this symbol have been air infiltration tested in accordance with the requirements of ASTM E-283 Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.



Sound Tested
Tested To:
ASTM E 90-97 and
ASTM E 1408-91

Products indicated by this symbol have been acoustically tested in accordance with ASTM E 90-97 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions, and ASTM E 1408-91 Standard Test Method for Laboratory Measurement of Sound Transmission Loss of Door Panels and Door Systems. Tests were conducted by Western Electro-Acoustic Laboratory Inc., and Riverbank Acoustical Laboratory. Both are accredited laboratories for acoustic testing. Contact Pemko or refer to page GI-11 for recommended **SoundSeal Systems**.



Barrier-Free
Meets Requirements of:
ADAAG-1998 (Amended) and
ICC / ANSI A117.1-2003

Products indicated by this symbol are access compliant by having installed height differences not over 1/2" with allowable edge and slope conditions. All ramp products have ADA compliant 1:12 slopes: Pemko **Modular Ramp Thresholds** (Ramps Section), **Rubber Ramp Thresholds** (Ramps Section), and **Recycled Rubber Ramps** (Ramps Section). Contact Pemko or refer to page GI-12 for recommended **BarrierFree Systems**.



Non-Skid/PemKote™
Tested To:
UL410
Meets Requirements of:
ASTM D 2047 and
Federal Specifications P-F-430C

PemKote™ is a rugged abrasive finish of nickel-aluminum composite which is fused to the metal surface by an exothermic reaction. This process produces an aesthetically pleasing skid resistant coating with extremely high bond strength and excellent resistance to oxidation. PemKote™ carries a TEN (10) YEAR GUARANTEE, and is available on all Pemko metal thresholds. Pemko highly recommends the use of PemKote™ for all Barrier-Free Modular Ramps, and as a durable, economical alternative for cast abrasive products. For corrosive applications, request sealant for extra protection. Pemko provides tested skid resistant walking surfaces that are Listed and Labeled by Underwriters Laboratories, Inc.®, including PemKote™ for metal surfaces as well as extruded or molded rubber ramp surfaces such as Pemko **"SBR"** Series extruded Fire Retardant Rubber Ramps and **"RR"** Series molded Recycled Rubber Ramps.



Smoke Tested
Tested To:
UL 1784-01
Meets Requirements of:
NFPA 105-99

Products indicated by this symbol are Listed by WYLE Laboratories as having been tested in accordance with Underwriters Laboratories Inc.®, Standard UL 1784-2001 Air Leakage Tests of Door Assemblies, and meet the performance criteria for allowable air leakage as specified in NFPA 105-99 Installation of Smoke Control Door Assemblies.



Fire Rated



Products indicated by this symbol are fire rated, classified and listed (U.S.A. and Canada) to meet the requirements/standards of UL10B, UL10C, UL10C (Edge Sealing) and UBC7.2 (positive pressure). For a complete listing of fire rated and UL rated products, please refer to the UL website.



PemkoHinge™ Rating:
LISTED
Door Hinges
76Y2



All models designated with these symbols (*left*) are tested and certified by Underwriters Laboratories Inc.® (U.S.A. and Canada) to standards UL10B, UL10C and UBC7.2 (positive pressure) for up to a **3-Hour (A-Label) Fire Listing** for all 4'-0" x 10'-0" and 8'-0" x 10'-0" door and frame assemblies. Fire listing certifications apply to all approved hollow metal and wood door assemblies in drywall or masonry wall construction. Check UL Rating #R14745 on the UL website for a complete and current listing of applicable PemkoHinge™ products.



Builders
Hardware
Manufacturers
Association

Products indicated by this symbol have been voluntarily submitted to rigid third party testing and follow-up audits to confirm that these products fully and continuously meet or exceed the requirements of their underlying ANSI / BHMA Standards. These products are listed in the BHMA Directory of Certified Products, published annually and available for purchase from BHMA. They are also posted and frequently updated on the BHMA web site at <http://www.buildershardware.com>. Pemko products are covered by the following: ANSI / BHMA A156.21-2006 Standard for Thresholds, ANSI / BHMA A156.22-2005 Standard for Door Gasketing Systems, and ANSI / BHMA A156.26-2005 Standard for Continuous Hinges.



UL1547 - Check UL Rating #R18375 on the UL website for a complete and current listing of applicable Pemko edge sealing and fire glazing products. (Not specifically listed by item in this product catalog).

UL4L10 - Check UL Rating #R14369 and #SA9939 on the UL website for a complete and current listing of applicable Pemko products. (Not specifically listed by item in this product catalog).

Check Pemko's Category G, Category H and Category J listings on ITS website for a complete and current listing of applicable Pemko edge sealing, perimeter gasketing and fire glazing products.

SoundSeal Systems

Introduction: Pemko SoundSeal Systems and sound tested products are the result of extensive testing in acoustic laboratories. Our current listings represent those systems which performed consistently and with the highest STC ratings. STC stands for "Sound Transmission Class", wherein the higher the rating, the lower the transmission of sound. Testing performed at Western Electro-Acoustic Laboratories, Inc. in Santa Monica, CA, and Riverbank Acoustic Laboratories in Geneva, IL. Both are certified and nationally accredited acoustic laboratories.




Methods and Procedures: Testing conforms to the provisions and requirements of ASTM E 90-97 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements and ASTM E 1408-91 Standard Test Method for Laboratory Measurement of the Sound Transmission Loss of Door Panels and Door Systems. The system assembly is placed in the test chamber between the source room and receiving room and is

subjected to 17 one-third octave bands between 125 and 5000 Hertz. The resulting sound transmission loss values are tabulated in accordance with ASTM E 413 Standard Classification for Rating Sound Insulation. The Sound Transmission Class (STC) rating is determined by comparison to the standard STC contour.

Door Types: Tests performed with acoustic rated steel or wood composite doors fabricated by nationally recognized manufacturers, most of whom furnish Pemko products when supplying a door, frame, and gasketing as a package.

Limitations: It should be anticipated that a properly functioning acoustic gasketing system will result in higher than normal closing forces. Lever handle lock sets are suggested, as opening torque may also be higher than normal. If at all possible, pairs of doors should be avoided in acoustic applications. If they are necessary, please consult Pemko's technical staff for meeting stile designs and recommendations.

SoundSeal Systems Listings

| SYSTEM RATING | DOOR TYPE AND SEALED IN PLACE RATING | JAMB GASKET TYPE | DOOR BOTTOM | THRESHOLD |  |  |  |
|---------------|--------------------------------------|-------------------|--------------|------------|---|---|---|
| STC-44 | Steel, STC-48 | S88_ (Double Row) | 434_RL (3) | 2005_T (2) | Yes | Yes | Yes |
| STC-43 | Wood, STC-47 | S88_ (Double Row) | 434_PKL (3) | 2005_T (2) | Yes | Yes | Yes |
| STC-42 | Wood, STC-45 | S88_ (Double Row) | 411_RL (3) | 2005_T (2) | Yes | Yes | Yes |
| STC-41 | Wood, STC-44 | 350_SR | 434_RL (3) | 2005_T (2) | Yes | Yes | Yes |
| STC-40 | Wood, STC-44 | 312_R | 411_RL (3) | 2005_T (2) | Yes | Yes | Yes |
| STC-40 | Wood, STC-42 | S88_ (Double Row) | 234_V (3) | 2005_T (2) | Yes | Yes | Yes |
| STC-39 | Wood, STC-45 | S88_ (Single Row) | 411_RL (3) | 2005_T (2) | Yes | Yes | Yes |
| STC-39 | Wood, STC-44 | 322_SN | 434_NL (3) | 2005_T (2) | Yes | Yes | Yes |
| STC-37 | Wood, STC-41 | 312_R | 234_V (1)(3) | 2005_T (2) | Yes | Yes | Yes |
| STC-33 | Wood, STC-36 | S88_ (Single Row) | 411_RL (3) | 271_(4) | Yes | Yes | Yes |

Jamb Gasketing Notes: Can also use single row of **S773** instead of double row of S88. Using a single row of **S88** where a double row is listed, subtract 3 dB.

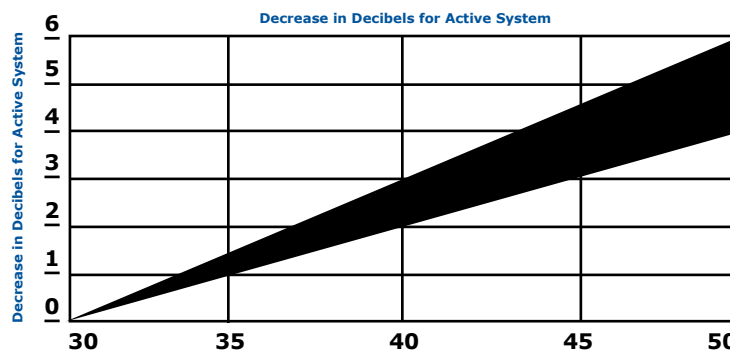
Door Bottom Notes: (1) Substitute any **door shoe** for the **234_V**, subtract 0 dB. (2) Consult door manufacturer for label and clearance requirements.

(3) Door bottom legs may require mortising to allow for necessary clearance between the mounting legs and the **2005_T**.

Threshold Notes: (4) Substitute any **latching panic exit saddle threshold** (using ThermoSeal™ insert "T") for the **2005_T**, subtract 0 dB; substitute any **threshold** for the **2005_T**, subtract 1 dB.

SoundSeal Systems Expectations

When acoustic gasketing is required there are two basic guidelines to consider: (1) Is the surrounding construction compatible with the STC rating desired? (2) Does the door and frame being considered have an ample STC rating? The following can be used as a guideline for determining the decrease in decibels that can be anticipated with any **Pemko SoundSeal System**: standard solid core wood doors will have a rating of about STC-30 and any **Pemko SoundSeal System** will maintain this level with no additional loss. For an acoustic steel door with an STC-50 rating, the resulting active rating with a **Pemko SoundSeal System** will be STC-45, a decrease of 5dB. Intermediate levels can be determined by using the chart shown right and by comparing the "**Door Type and Rating**" to the "**System Rating**" in the "**SoundSeal System** listing" above.



Note: Standard non-acoustic doors can be anticipated to provide the following ratings:

- solid core wood = STC 28 to STC 32
- insulated hollow metal = STC 38 to STC 40

STC Rating

The range of sound frequencies used in these tests is that of normal human speech and hearing, and in most cases the level of attenuation achieved does not totally eliminate but rather muffles the sound to an unintelligible level. The chart shown right compares the level of speech that would be heard through a door system having the indicated active STC rating (active STC rating is for an operable system as contrasted to the sealed-in-place rating of the door only).


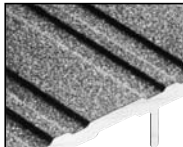









| ACTIVE STC RATING | LEVEL OF SPEECH HEARD |
|-------------------|--------------------------------------|
| STC-30 | Loud speech understood |
| STC-35 | Loud speech heard but not understood |
| STC-40 | Loud speech audible as a murmur |
| STC-45 | Some loud speech barely audible |
| STC-48 | Hearing strained to hear loud speech |
| STC-50 | Loud speech not audible |

Barrier-Free Systems



- With respect to accessible routes having, ramps, stairs and doors, Pemko offers numerous access compliant products that will enable you to meet the requirements of the Americans with Disabilities Act, ADA, as outlined in the Americans with Disabilities Act Accessibility Guidelines, ADAAG-1998 (Amended), ICC /ANSI A117.1-1998 Standard Accessible and Usable Buildings and Facilities, any of the various Uniform Building Codes, or any State Access Code (California Building Code, Title 24). The following table recommends various Pemko products that comply with the indicated sections of the ADAAG Guidelines and the ICC /ANSI Standard.

- The following sections are listed, and text stated, in accordance with ICC / ANSI A 117.1-1998. Reference in parenthesis is for the comparable ADAAG Section.

| ICC / ANSI A117.1 (ADAAG) | Pemko Recommendation |
|---|--|
| 302 (4.5) Floor or Ground Surfaces. 302.1 (4.5.1) General. "shall be slip resistant"  UL Listed skid resistant. | General: "slip-resistant" PemKote™ non-slip  <ul style="list-style-type: none"> PemKote™ (finish code: "K") is a rugged abrasive finish of nickel-aluminum composite. PemKote™ provides safety in environments used by youths and people with disabilities. For complete information, see the Modular Ramps section. <p>PemKote™: skid resistant surface.</p> |
| 302.2 (4.5.3) Carpet. "Exposed edges of carpet....shall have trim along the entire length of the exposed edge. trim shall comply with Section 303." |  |
| 303 (4.5) Changes in Level 303.2 (4.5.2) Vertical. "Changes in level of 1/4" (6mm) high maximum shall be beveled with a slope not steeper than 1:2" |  |
| 303.3 (4.5.2) Beveled. "Changes in level between 1/4" (6mm) high minimum and 1/2" (13mm) high maximum shall be beveled with a slope not steeper than 1:2" |  |
| 303.4 (4.5.2) Ramped. "Changes in level greater than 1/2" (13mm) shall be ramped and comply with Section 405 (4.8)" | <ul style="list-style-type: none"> Assemblies accommodate 1/2" to 2-1/4" floor offsets in meeting the 1:12 slope requirements of the "Americans with Disabilities Act". Rubber ramp component assemblies meet the same requirements. Answer the needs of architects, specifiers, building owners, installers, and most importantly, physically challenged people. For use in schools, hospitals, stadiums, offices, restaurants, hotels, airports, and more. For complete information, see the Modular Ramps section.  |
| 404 (4.13) Doors and Doorways. 404.2.5 (4.13.8) Thresholds at Doorways. "...shall be 1/2" high maximum...shall comply with Sections 302 and 303." |  |
| 404.2.9 (4.13.11) Door-Opening Force. 4.13.8 Thresholds at Doorways |  |
| 405 (4.8) Ramps 405.2 (4.8.2) Slope. "Ramp runs shall have a running slope not steeper than 1:12" (Note: Some exceptions apply to this with respect to existing buildings having space limitations. Consult Pemko for specific applications.) |  |
| 504 (4.9) Stairways. 504.4 Tread Surface. 504.5 (4.9.3) Nosings. |   |



ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

PEMKOHINGE™

Continuous Geared Aluminum Hinges

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What is PemkoHinge™?

Unlike a conventional hinge, PemkoHinge™ does not have a pin. PemkoHinge™ is not like a piano hinge, which has 50% of each knuckle cut away, and depends on a thin wire to hold the leaves together.

PemkoHinge™ consists of two full-height, paired and geared leaves. Each geared leaf rotates evenly from top to bottom riding on Delrin®-Teflon® bearings. The geared leaves and bearings are held together by a full-length channel cap. This assembly retains the smooth, clean lines of the door and frame, while easily supporting heavy vertical loads.

PemkoHinge™ – ASK FOR IT BY NAME.

SECURITY, SAFETY, PRIVACY, LOW WEAR AND TEAR

PemkoHinge™ Attributes:

1. With a continuous hinge, typical alignment problems (such as door sag and binding) are eliminated.
2. The continuous hinge distributes load stress uniformly along the full length of the door and frame.
3. The gear design of the continuous hinge ensures symmetrical operation of each leaf.
4. 1/2 lb. or less operating force required to operate most doors, regardless of size.
5. Low operating force feature makes continuous hinges ideal for doors used by the physically challenged.
6. The continuous hinge acts as reinforcement for both door and frame.
7. A high degree of security can be achieved for exterior openings or restricted spaces by using a continuous hinge. With the geared construction and the full-length channel cap, the common gap between the door and frame is sealed, which provides security against prying.
8. In addition, the closing of this gap protects against pinching fingers in doors in public areas, particularly those where children are present.
9. Sight proof design of the continuous hinge provides privacy for lavatories, executive offices, or file rooms.

PemkoHinge™ Superior Design:

1. PemkoHinge™ has increased critical stress points of the leaf extrusions, which provides additional strength and rigidity to the completed product.
2. PemkoHinge™ has a new bearing design which eliminates premature wear, guarantees proper alignment, and requires fewer bearings to carry more weight. This new bearing is produced for Pemko using a chemical composition and injection process that provides a stronger, more accurately formed bearing.
3. PemkoHinge™ is designed with inter-meshing gear segments in the hinge which provide 50% more bearing surface. With more bearing surface, less wear results.
4. PemkoHinge™ also goes through the anodizing process after completing all machining. This means the machined aluminum surfaces that are in direct contact with the bearing have a smoother, harder surface, thereby reducing wear.
5. PemkoHinge™ maintains uniform bearing spacing the full length of the hinge even when lengths exceed 10'.
6. PemkoHinge™ uses #12-24 size fasteners instead of #10. (#12 Tek fasteners available upon request).
7. PemkoHinge™ commercial models are ideal for use on lead lined doors (i.e. hospital X-ray rooms), without requiring special screw locations.

PemkoHinge™ products are **GUARANTEED FOR THE LIFE OF THE OPENING** against defects in material or workmanship with the exception of AL, RS, Standard Duty and Grade 3 hinges, which carry a ten (10) year warranty.

How To Order (Hinge Part Designations)

Example: D|SPFM|85|SLI|HD1

| Finishes | Hinge Types | Lengths | Hinge Options | Capacity |
|--------------------------|--|---------|----------------------------------|-------------------------|
| BL Black Anodized | AL_FM Aluminum Full-Mortise | 79 | "blank" Standard | "blank" Standard Duty |
| C Clear Anodized | AL_HS Aluminum Half-Surface | 83 | CP Center Pivot | HD1 Heavy Duty, Grade 1 |
| D Dark Bronze Anodized | FM Full-Mortise | 85 | RG Raised Gear | HD3 Heavy Duty, Grade 3 |
| G Gold Anodized | FS Full-Surface | 95 | SF Safety | |
| PW Painted White | HS Half-Surface | 120 | SL Short Leaf (residential only) | |
| SN Satin Nickel Anodized | RS138 Full-Mortise Residential: 1-3/8" | | SLF Short Leaf Flush | |
| | RS175 Full-Mortise Residential: 1-3/4" | | SLI Short Leaf Inset | |
| | SPFM Special Full-Mortise | | | |
| | WT_FM Wide Throw Full-Mortise | | | |
| | WT_HS Half-Surface | | | |

BHMA Certification Program

This program was developed to establish product classifications through performance testing. Three Grades (1, 2 and 3) of product classifications were established for continuous hinges, with three weight groups (150, 300 and 600) for each grade, Grade 3 being the lowest and Grade 1 being the highest classification. Each classification and weight group has a set of established cycle requirements and wear characteristics, with a minimum for vertical and lateral wear to establish listing under a weight and grade classification, after the set number of cycles is completed.

Maximum Vertical Wear Allowable:

- Grade 3 = 0.105"
- Grade 2 = 0.030"
- Grade 1 = 0.020"

Maximum Lateral Wear Allowable:

- All Grades = 0.062"

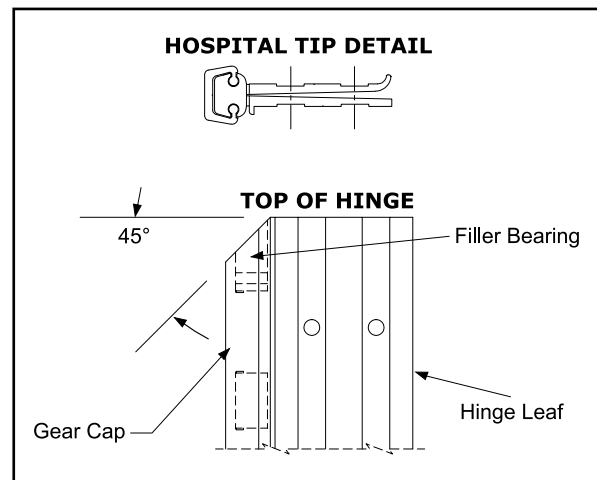


Cycle requirements range from Grade 3-600 requiring 100,000 cycles through Grade 1-150 requiring 2.5 million cycles.

For more information on certification testing or other product certification programs, please contact Customer Service.

Hospital Tip

A special modification available for certain hinges which provides an extra bearing at the top of the gear cap, leaving no opening. A 45° angled cut on the gear cap and leaf covers provides a safe environment for hospitals and correctional facilities.



Cycle Requirements - Per BHMA Standard ANSI/BHMA A156.26-2006

- **Standard Duty Hinges** (excluding _RS175 & _RS138) conform to Grade 3-150 and Grade 3-300.
- **HD3 Hinges** conform to Grade 3-150, Grade 3-300, and Grade 3-600.
- **HD1 Hinges** conform to Grade 2-150, Grade 1-300, and Grade 1-600.
- **1100 Series Hinges** conform to Grade 1-150.

Weight Bearing - Per BHMA Standard ANSI/BHMA A156.26-2006

- This information pertains to all commercial models.
- Heavier weight can be carried; please contact Customer Service for applications other than those listed in the chart.
- Special hinge reinforcements are not required. Hollow metal door and frame manufacturers' standard is acceptable. Removal of hinge reinforcements in the door and frame is not advised.

| | Hinge Size | Number of Bearings | Door Weight |
|--|-------------|--------------------|-------------|
| Residential Hinges | 79" and 83" | 7 | 90 lbs. |
| Standard Duty Hinges | 83" and 85" | 14 | 280 lbs. |
| | 95" | 16 | 320 lbs. |
| | 120" | 20 | 400 lbs. |
| Heavy Duty (HD1 & HD3) Hinges | 83" and 85" | 27 | 540 lbs. |
| | 95" | 31 | 620 lbs. |
| | 120" | 39 | 780 lbs. |

UL Fire Labeled 3-Hour A-Label



LISTED
Door Hinge
76Y2

All models designated with these symbols (left) are tested and certified by **Underwriters Laboratories Inc.®** (U.S.A. and Canada) to standards **UL10B**, **UL10C** and **UBC7.2** (positive pressure) for up to a **3-Hour (A-Label) Fire Listing** for all 4'-0" x 10'-0" and 8'-0" x 10'-0" door and frame assemblies. Fire listing certifications apply to all approved hollow metal and wood door assemblies in drywall or masonry wall construction.

- Special FirePins™ are only required on **3-Hour (A-Label)** assemblies. Please refer to page 27 for illustrations and information regarding the application of Pemko FirePins™.

- All hinges are supplied with standard fastener kits as described in the current catalog. Replacement kits / individual fasteners may be purchased separately.
- TEK/TORX fasteners may be purchased separately. Full-mortise hinges require 40 each; half-surface hinges require 20 each; full-surface hinges require 12 each.
- All half-surface and full-surface hinges are supplied with a snap cover for the door leaf. Replacement snap covers may be purchased separately.
- Rain caps may be purchased separately.

Electrically Modified Continuous Geared Hinges

Electrical Modifications

- Pemko has vastly improved the cycle performance of the electrically modified hinge. Performance testing has shown that 1,250,000 cycles can now be achieved using Pemko's exclusive bonded 4 or 8 conductor flat cable. Each 4 and 8 conductor cable is capable of carrying 4 amps @ 24 volts with a 16 amp in rush current for 300 milliseconds. The electrical prep is provided with a 4 amp in-line fuse to protect the cable from any overload or surge in power. When ordering, please use the "shorthand code" shown in the chart (below right). For example, if you require a Clear Anodized standard Full-Mortise hinge at 83" with Concealed Current transfer - 4-wire, modified 36-1/4" from the top, right hand, you would order a **CFM83 with CC4 at 36-1/4" from top - RH**.

Customer Information Needed:

- Specify handing and prep location if other than Pemko standard.

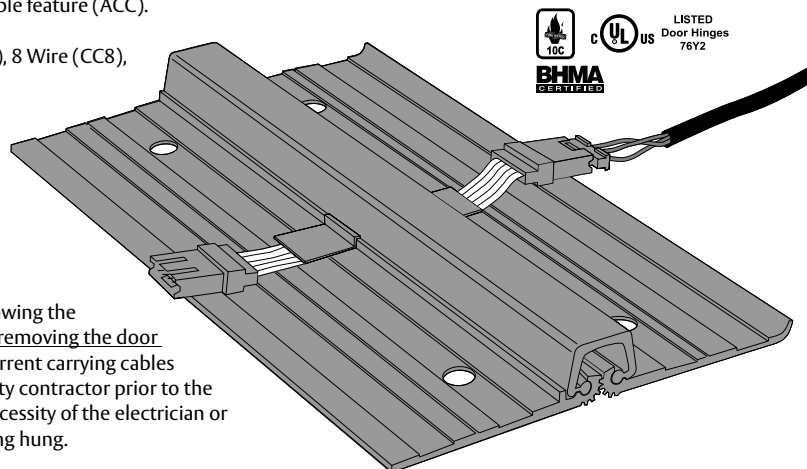
Included:

- Flat cable conductor is warranted for five (5) years. Flat plug connectors are included at each leaf for ease of electrical connection.
- Each electrical prep is supplied with one 48" and one 96" 22 AWG cable lead.
- Hinge fuse is included with the above preps.

New Options for Electrically Modified Continuous Geared Hinges

The new options allow variable degrees of service to be performed at the specific locations of the current carrying cables by installing a serviceable/removable hinge which includes a removable module (SER), or installing a hinge with a pivoting accessible feature (ACC).

- Both options (SER & ACC) are available in 4 Wire (CC4), 8 Wire (CC8), 12 Wire (CC12) and 16 Wire (CC16) variants.
- Available on FM, FS, HS, KFM, SLF & SLI Models.



Serviceable/Removable (SER) Module

The hinge is furnished to be installed in three sections allowing the current carrying cable to be serviced or replaced without removing the door from the frame. Additionally, the SER option allows the current carrying cables to be safely stored or delivered to the electrician or security contractor prior to the installation of the electrified hardware, eliminating the necessity of the electrician or security contractor being present when the doors are being hung.

PRODUCT NUMBERING EXAMPLE:

CFM83HD x CC4-SER

Accessible (ACC) Feature

The hinge is furnished to be installed in a single section with the leafs modified to pivot at the location of the current carrying cable and allow access to the cables and connected wiring.

PRODUCT NUMBERING EXAMPLE:

CFM83HD x CC4-ACC

Concealed Magnetic Monitoring (CM)

Concealed magnetic monitoring is also available with the SER and ACC options. Magnetic monitor is supplied with monitor and an adjustable magnet.

PRODUCT NUMBERING EXAMPLE:

CFM83HD x CM-SER
CFM83HD x CM-ACC

| | | | |
|---|-------------------------|---|---------------------------|
| Concealed Current Transfer For Full Mortise (FM) Hinges | CC4* 4 WIRE | Concealed Current Transfer For Full Surface (FS) & Half Surface (HS) Hinges | CC4_S* 4 WIRE |
| | CC8* 8 WIRE | | CC8_S* 8 WIRE |
| | CC12* 12 WIRE | | CC12_S* 12 WIRE |

| * Electrical Modifications Options Code | |
|--|-----------|
| Additional Length of Concealed Current Cable Leads | |
| Adjustable Concealed Magnetic Monitoring | CM |
| Power Transfer - Prep Only | PT |

NOTE: Some of the devices sold by various hardware and security manufacturers' have components inside which act as an in-line current limiting safety mechanism. When these devices are installed, hand-in-hand with Pemko's CC hinges, the system causes the fuse supplied with the Pemko CC hinge to fail. The solution to this issue is to OMIT the 4 amp in-line fuse supplied by Pemko. The 4 amp fuse should be used on the low voltage side of the power supply between the power supply and the hinge ONLY if there is not a current limiting device already on the low voltage end of the power supply. Do not install fuse if the power supply has one already provided on the low voltage side.

Full-Mortise Hinges

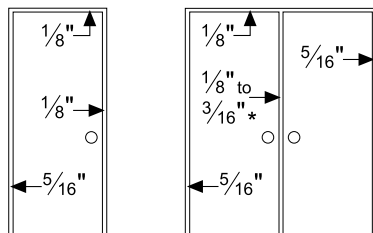
- Full-Mortise units are designed mainly for new door applications, and are applied to conceal both leaves.

Full-Mortise Fasteners:

All fasteners are #12-24 x 7/16" FHUC, Type C, threadforming.

- Standard Duty Hinges - 16 required for each leaf.
- Heavy Duty Hinges - 20 required for each leaf.
- Wood Screws - on request (specify on order).

FM Door Clearances (all)

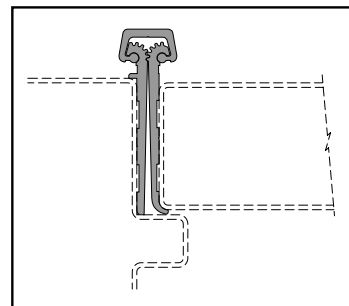
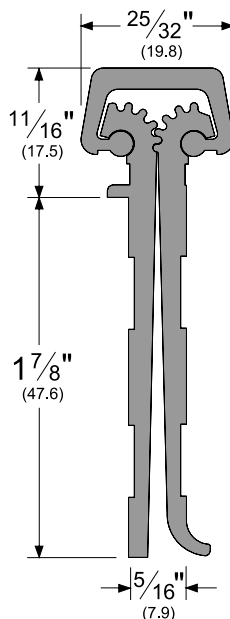


*Certain door and frame conditions may require an extra 1/32"-1/16" clearance. Excessive clearance on fire rated assemblies may violate the requirements of NFPA 80.

Standard

FM

AVAILABLE FINISHES:
BL, C, D, G, PW, SN



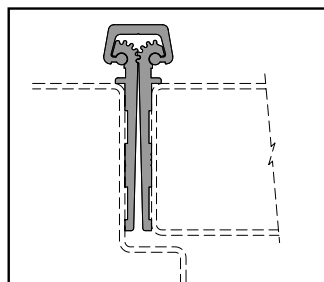
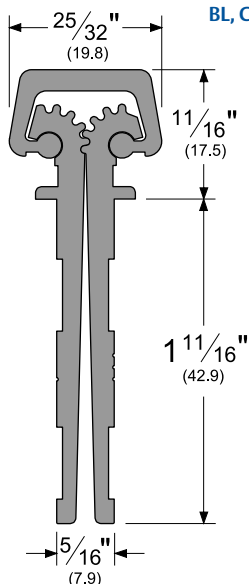
FM mounted in closed position.

Short Leaf Flush

- Designed for use with doors which range between 1-3/4" to 2-1/4".
- Designed for bifold applications to keep the faces of the doors flush (not illustrated).

_FM_SLF

AVAILABLE FINISHES:
BL, C, D, G, PW, SN



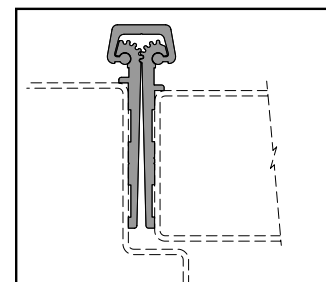
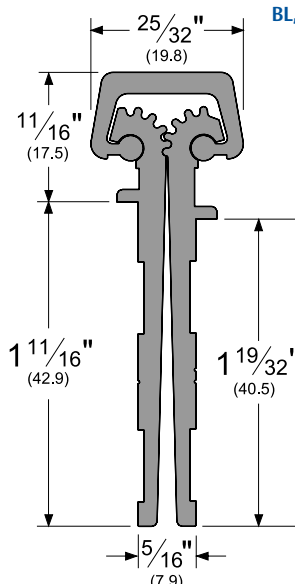
FMSLF mounted in closed position.

Short Leaf Inset

- Designed for use with doors which range between 1-3/4" to 2-1/4".
- Designed for use with hollow metal frames where the inset conforms to S.D.I. specifications for aligning doors and frames.

_FM_SLI

AVAILABLE FINISHES:
BL, C, D, G, PW, SN



FMSLI mounted in closed position.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • SN (Satin Nickel Anodized)
BL (Black Anodized) and PW (Painted White) are special finishes available upon request.

Special Full-Mortise Hinges

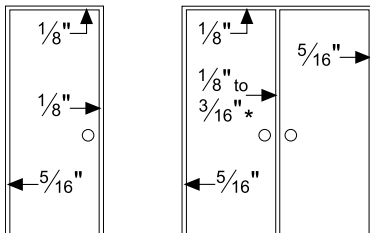
- Special Full-Mortise units are designed for door and frame applications where the hinge leaf may interfere with the weatherstrip, thermo-break, or applied stop of the frame. Special Full-Mortise hinges are applied to conceal both leaves.

Special Full-Mortise Fasteners:

All fasteners are #12-24 x 7/16" FHUC, Type C, threadforming.

- Standard Duty Hinges - 16 required for each leaf.
- Heavy Duty Hinges - 20 required for each leaf.
- Wood Screws - on request (specify on order).

Special FM Door Clearances (all)



* Certain door and frame conditions may require an extra 1/32"-1/16" clearance. Excessive clearance on fire rated assemblies may violate the requirements of NFPA 80.

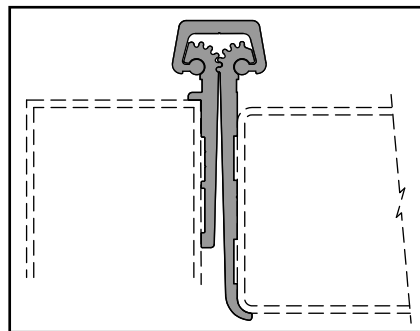
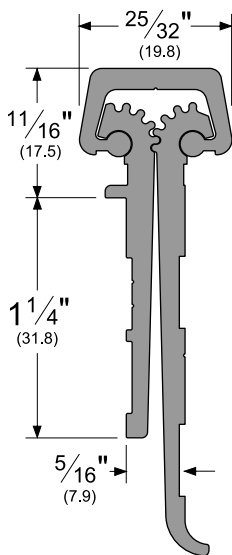
Special Full-Mortise

_SPFM

AVAILABLE FINISHES:
BL, C, D, PW, SN



LISTED
Door Hinges
76Y2



SPFM mounted on square edge door.

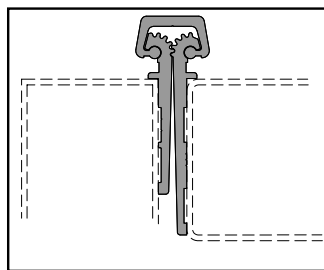
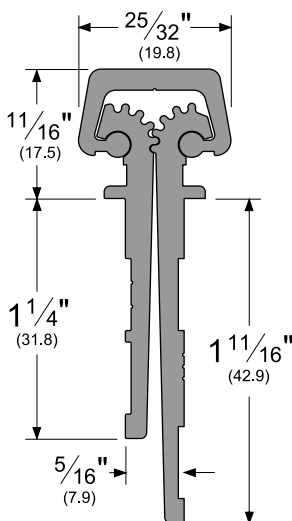
Short Leaf Flush

_SPFM_SLF

AVAILABLE FINISHES:
BL, C, D, PW, SN



LISTED
Door Hinges
76Y2



SPFM_SLF mounted on square edge door.

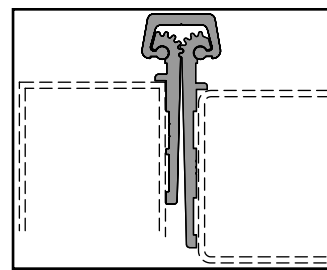
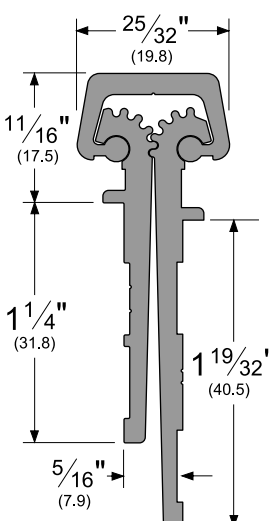
Short Leaf Inset

_SPFM_SLI

AVAILABLE FINISHES:
BL, C, D, PW, SN



LISTED
Door Hinges
76Y2



SPFM_SLI mounted on square edge door.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized) • SN (Satin Nickel Anodized)
BL (Black Anodized) and PW (Painted White) are special finishes available upon request.

Kawneer Full-Mortise Hinges

- Like our other Full-Mortise units, the Kawneer hinges are designed mainly for new door applications and are applied to conceal both leaves. Developed for the Kawneer "Tuffline" series of aluminum doors.

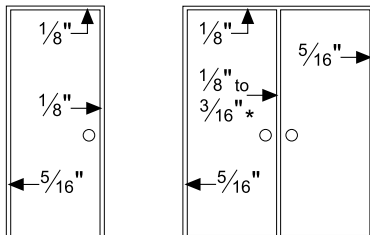
Kawneer Full-Mortise Fasteners:

All fasteners are #12-24 x 7/16" FHUC,

Type C, threadforming.

- Standard Duty Hinges - 16 required for each leaf.
- Heavy Duty Hinges - 20 required for each leaf.
- Wood Screws - on request (specify on order).

Kawneer Door Clearances



* Certain door and frame conditions may require an extra 1/32"-1/16" clearance. Excessive clearance on fire rated assemblies may violate the requirements of NFPA 80.

Kawneer

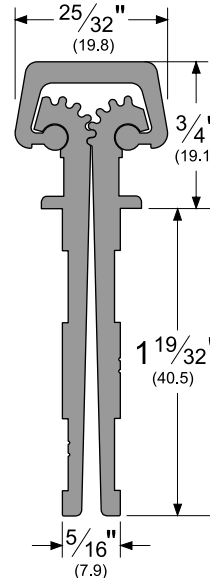
K_FM

AVAILABLE FINISHES:

BL, C, D, PW, SN



LISTED
Door Hinges
76Y2



Designed for
Kawneer
"Tuffline" series
aluminum doors

Raised Gear Hinges

- Designed for wood or metal frames with applied facing or other decorative moldings and to conceal both leaves.

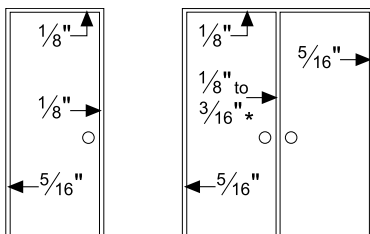
Full-Mortise Raised Gear Fasteners

All fasteners are #12-24 x 7/16" FHUC,

Type C, threadforming.

- Standard Duty Hinges - 16 required for each leaf.
- Heavy Duty Hinges - 20 required for each leaf.
- Wood Screws - on request (specify on order).

FM_RG Door Clearances



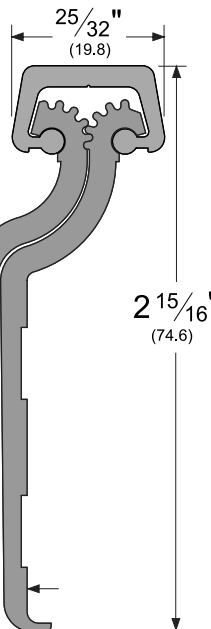
* Certain door and frame conditions may require an extra 1/32"-1/16" clearance. Excessive clearance on fire rated assemblies may violate the requirements of NFPA 80.

_FM_RG

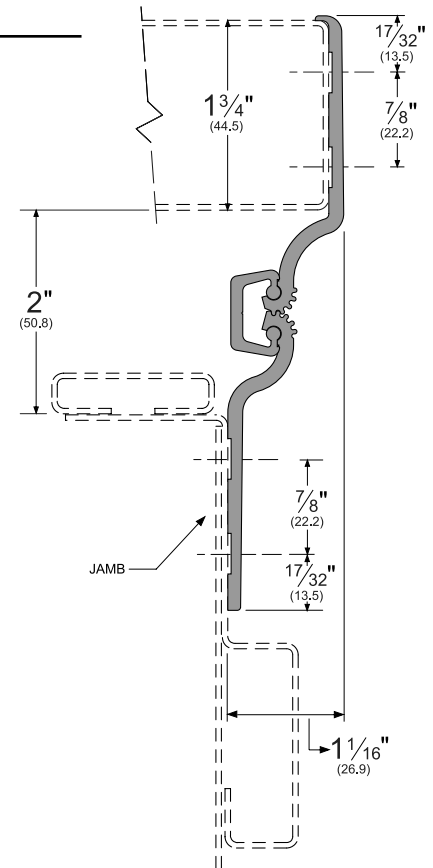
AVAILABLE FINISHES:
BL, C, D, PW, SN



LISTED
Door Hinges
76Y2



5/16"
@ Square
Edge Door
Applications
11/32"
@ Beveled
Edge Door
Applications



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized)

BL (Black Anodized), PW (Painted White) and SN (Satin Nickel Anodized) are special finishes available upon request.

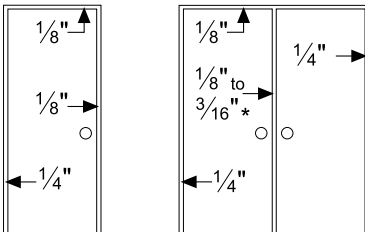
Full-Mortise Residential Hinges

- Full-Mortise Residential units are designed mainly for new door and frame applications, and are applied to conceal both leaves.
- RS175** is designed for 1-3/4" MAXIMUM thickness with a weight up to 90 lbs.
- RS175_SL** is designed for doors over 1-3/4" thick with a weight up to 90 lbs.
- RS138** is designed for doors 1-3/8" thick with a weight up to 90 lbs.
- NOTE: All RS series hinges are excluded from the "LIFE OF THE OPENING" guarantee, and instead carry a ten (10) year warranty.

Full-Mortise Residential Hinge For 1-3/4" Door Fasteners: All fasteners are #8 x 1-1/4", Truss Head SMS.

- Standard Duty Hinges -
10 required for each leaf - 79"
12 required for each leaf - 83".
- Heavy Duty Hinges - not available.
- Wood Screws - on request
(specify on order).

RS175 Door Clearances (both)

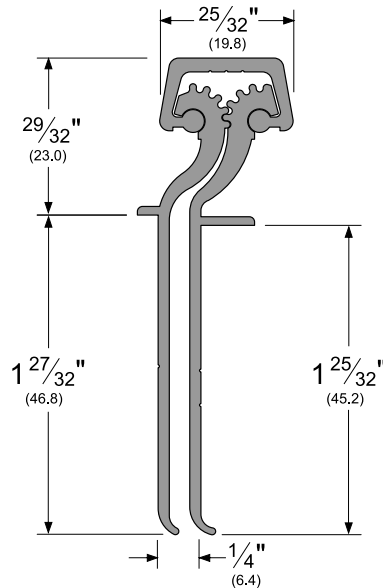


* Certain door and frame conditions may require an extra 1/32"-1/16" clearance.

FM Residential Hinge For 1-3/4" Thick Doors

RS175

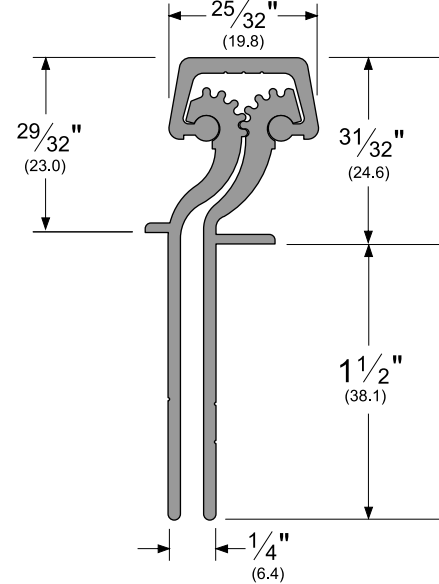
AVAILABLE FINISHES:
BL, C, D, PW, SN



FM Residential Hinge Short Leaf

RS175_SL

AVAILABLE FINISHES:
BL, C, D, PW, SN

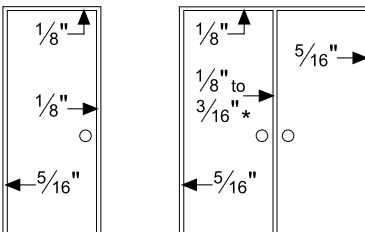


Full-Mortise Residential Hinge For 1-3/8" Door Fasteners:

All fasteners are #12 x 1-1/2", Flat Head SMS.

- Standard Duty Hinges -
8 required for each leaf - 79"
10 required for each leaf - 83".
- Heavy Duty Hinges - not available.
- Wood Screws - on request
(specify on order).

RS138 Door Clearances



* Certain door and frame conditions may require an extra 1/32"-1/16" clearance.

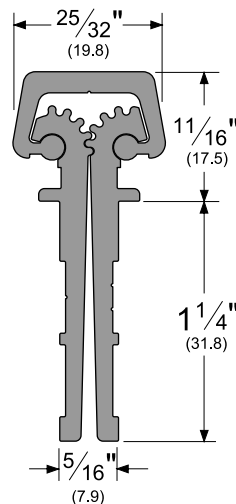
FM Residential Hinge For 1-3/8" Thick Doors

RS138



BHMA
CERTIFIED

AVAILABLE FINISHES:
BL, C, D, PW, SN



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized)

BL (Black Anodized), PW (Painted White) and SN (Satin Nickel Anodized) are special finishes available upon request.

Full-Mortise Safety Hinges

- Full-Mortise Safety units are designed mainly for new door applications in child care and nursing facilities. These hinges require extra clearance and are applied to conceal both leaves.

Full-Mortise Safety Hinge Fasteners:

All fasteners are #12-24 x 7/16" FHUC, Type C, threadforming.

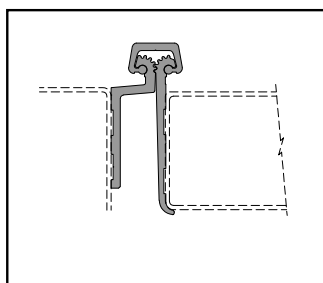
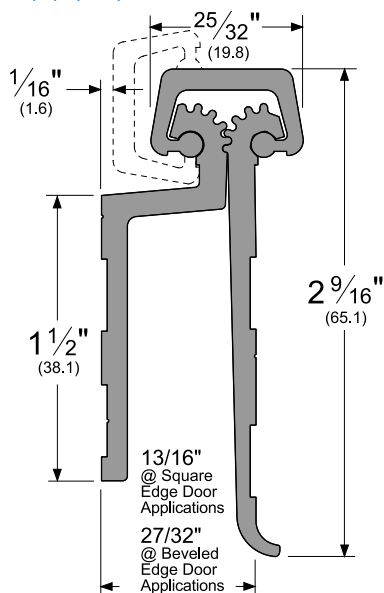
- Standard Duty Hinges - 16 required for each leaf.
- Heavy Duty Hinges - 20 required for each leaf.
- Wood Screws - on request (specify on order).

Full-Mortise Safety

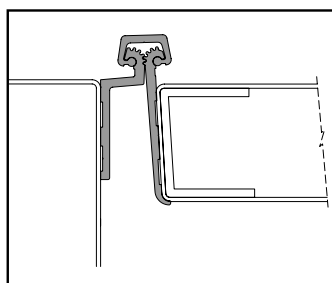
FM_SF BHMA CERTIFIED

AVAILABLE FINISHES:

BL, C, D, PW, SN



FM_SF mounted on square edge door.



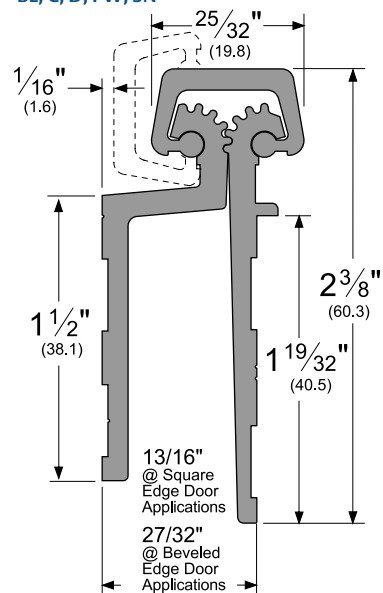
FM_SF mounted on beveled edge door.

Short Leaf Inset Safety

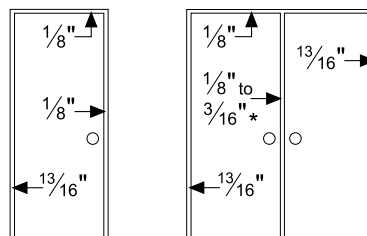
FM_SLISF BHMA CERTIFIED

AVAILABLE FINISHES:

BL, C, D, PW, SN



FM Safety Door Clearances



* Certain door and frame conditions may require an extra 1/32"-1/16" clearance. Excessive clearance on fire rated assemblies may violate the requirements of NFPA 80.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized)

BL (Black Anodized), PW (Painted White) and SN (Satin Nickel Anodized) are special finishes available upon request.

Half-Surface Hinges

- Half-Surface units are designed mainly for retrofit work, and are applied to the exposed surface of the door and the frame rabbet.
- Designed for use with hollow metal frames, where the inset conforms to S.D.I. specifications for aligning doors and frames.
- Designed for retrofit applications. Allows for adjustments in order to properly align edge of the door to the frame.

Half-Surface and Safety Fasteners:

Frame Portion - All fasteners are #12-24 x 7/16", FHUC, Type C, threadforming.

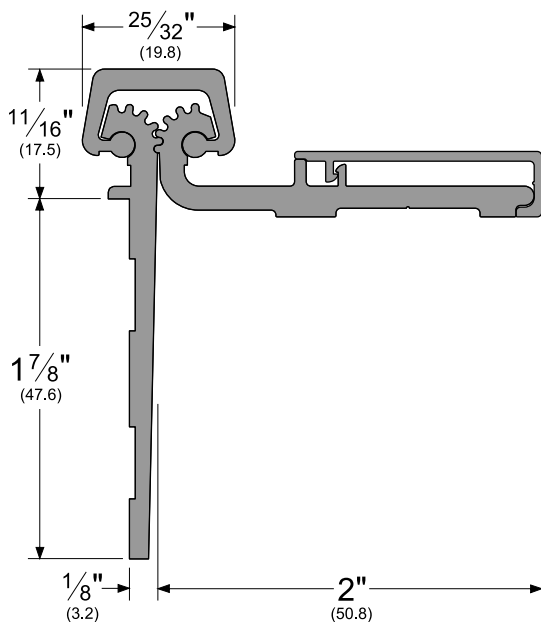
- Standard Duty Hinges - 16 required for each leaf.
- Heavy Duty Hinges - 20 required for each leaf.
- Wood Screws - on request (specify on order).

Door Portion

- Thru-bolt 1/4-20 x 1-5/8".
 - Standard Duty Hinges - 4 required.
 - Heavy Duty Hinges - 4 required.
- Shoulder Bolt - 1/4-20 x 1" PCH
 - Standard Duty Hinges - 4 required.
 - Heavy Duty Hinges - 4 required.
- Pan Head Self Drilling #12 x 3/4"
 - Standard Duty Hinges - 6 required.
 - Heavy Duty Hinges - 6 required.

Half-Surface Standard

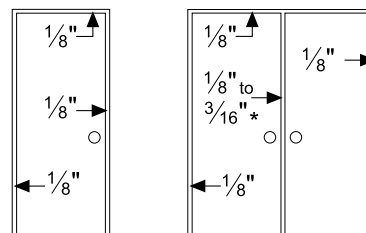
_HS   LISTED Door Hinges 76Y2 
AVAILABLE FINISHES:
BL, C, D, G, PW, SN



Half-Surface Safety Hinges

- Half-Surface Safety units are designed mainly for retrofit work in child care and nursing facilities and are applied to the exposed surface of the door and the frame rabbet.

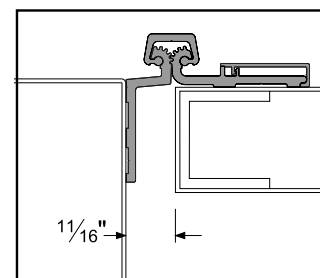
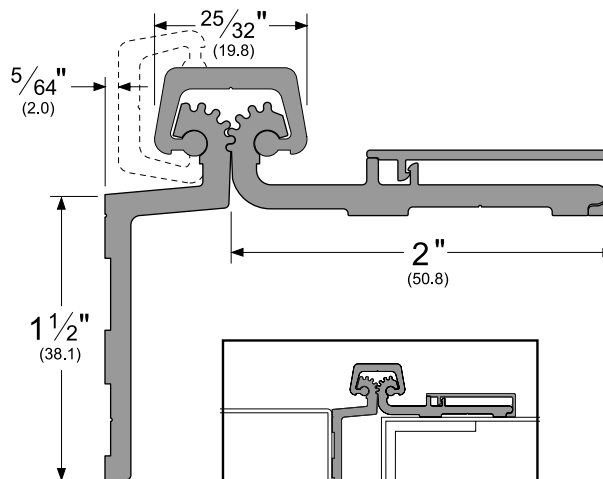
HS and HS_SF Door Clearances



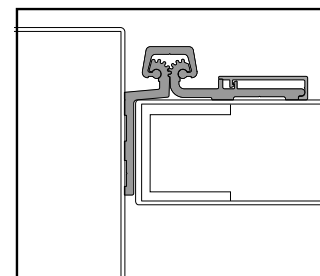
*Certain door and frame conditions may require an extra 1/32"-1/16" clearance. Excessive clearance on fire rated assemblies may violate the requirements of NFPA 80.

Half-Surface Safety

_HS_SF   LISTED Door Hinges 76Y2 
AVAILABLE FINISHES:
BL, C, D, PW, SN



Mounted HS_SF in a typical application.



HS_SF in deep frame application.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • SN (Satin Nickel Anodized)
BL (Black Anodized) and PW (Painted White) are special finishes available upon request.

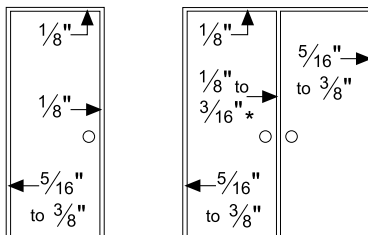
Wide Throw Full-Mortise Hinges

- Wide Throw Full-Mortise units are designed mainly for new door applications that require extra clearance due to special frame, door or wall design, and are applied to conceal both leaves.
- More clearance between the door and frame allows your door to open 180°.
- Available only in heavy duty to support larger doors.

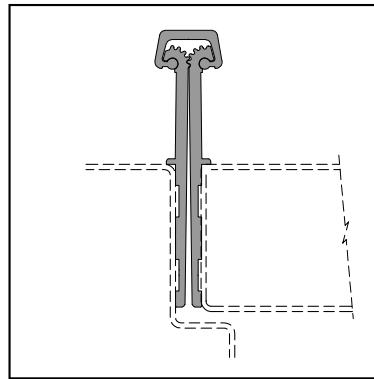
Wide Throw Full-Mortise Fasteners: All fasteners are #12-24 x 7/16" FHUC, Type C, threadforming.

- Standard Duty Hinges - Not Available.
- Heavy Duty Hinges - 20 required for each leaf.
- Wood Screws - on request (specify on order).

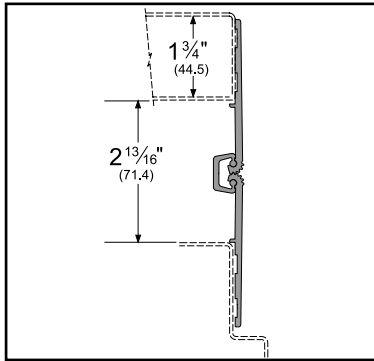
WT_FM Door Clearances



* Certain door and frame conditions may require an extra 1/32"-1/16" clearance. Excessive clearance on fire rated assemblies may violate the requirements of NFPA 80.



WT_FM in closed position.

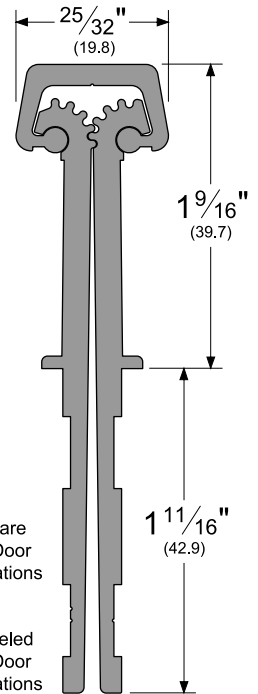


WT_FM in full open position.

WT_FM
AVAILABLE FINISHES:
C, D, G



LISTED
Door Hinges
76Y2



Wide Throw Half-Surface Hinges

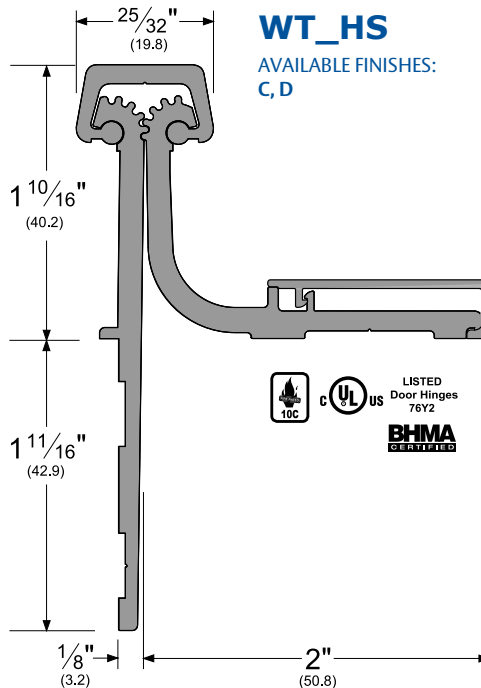
- Wide Throw Half-Surface units are designed mainly for retrofit applications that require extra clearance due to special frame, door, or wall design and are applied to the frame rabbet and the exposed door surface.
- Wide Throw Half-Surface units combine the versatility of the Half-Surface unit and the clearance of a Wide Throw hinge into one.

Half-Surface Fasteners: Frame Portion - All fasteners are #12-24 x 7/16", FHUC, Type C, threadforming.

- Standard Duty Hinges - 16 required for each leaf.
- Heavy Duty Hinges - 20 required for each leaf.
- Wood Screws - on request (specify on order).

Door Portion

- Thru-bolt 1/4-20 x 1-5/8".
 - Standard Duty Hinges - 4 required.
 - Heavy Duty Hinges - 4 required.
- Shoulder Bolt - 1/4-20 x 1" PCH
 - Standard Duty Hinges - 4 required.
 - Heavy Duty Hinges - 4 required.
- Pan Head Self Drilling #12 x 3/4"
 - Standard Duty Hinges - 6 required.
 - Heavy Duty Hinges - 6 required.



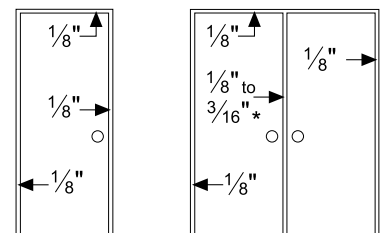
WT_HS
AVAILABLE FINISHES:
C, D



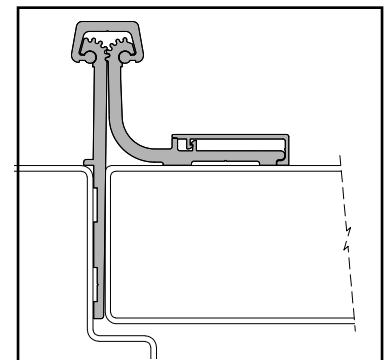
LISTED
Door Hinges
76Y2



WT_HS Door Clearances



* Certain door and frame conditions may require an extra 1/32"-1/16" clearance. Excessive clearance on fire rated assemblies may violate the requirements of NFPA 80.



WT_HS in closed position.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)

Half-Mortise Hinges

- Half-Mortise units are designed mainly for retrofit work and are applied to the exposed surface of the frame and the door edge.
- Designed to require only 5/32" clearance instead of 5/16" and also allow for adjustments to properly align edge of the door to the frame face.

Half-Mortise Hinge Fasteners:

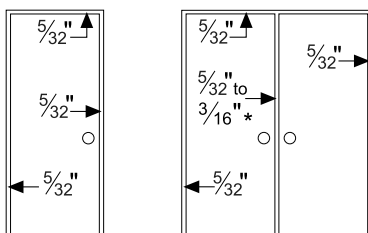
Frame portion - All fasteners are #12-24 x 7/16" Phillips Head Type C, threadforming.

- Standard Duty Hinges - 12 required for each leaf.
- Heavy Duty Hinges - 12 required for each leaf.
- Wood Screws - on request (specify on order).

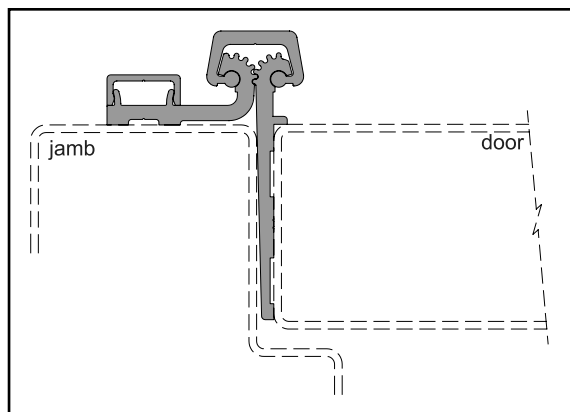
Door Portion - All fasteners are #12-24 x 7/16" FHUC, Type C, threadforming.

- Standard Duty Hinges - 16 required for each leaf.
- Heavy Duty Hinges - 20 required for each leaf.
- Wood Screws - on request (specify on order).

HM Door Clearances



* Certain door and frame conditions may require an extra 1/32"-1/16" clearance. Excessive clearance on fire rated assemblies may violate the requirements of NFPA 80.



HM in closed position.

Half-Mortise

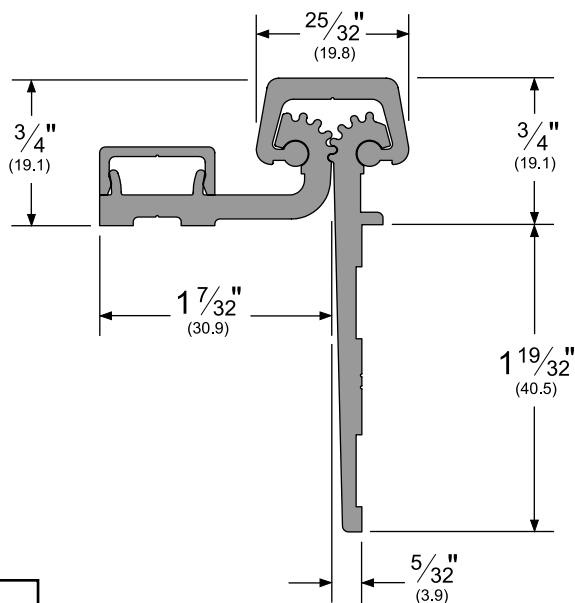
HM



LISTED
Door Hinges
76Y2



AVAILABLE FINISHES:
BL, C, D, PW, SN



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized) • SN (Satin Nickel Anodized)

BL (Black Anodized) and PW (Painted White) are special finishes available upon request.

Full-Surface Hinges

Standard Full-Surface Hinge

- Full-Surface units are designed mainly for retrofit work, and are applied to the exposed surfaces of the door and frame.

Full-Surface Fasteners:

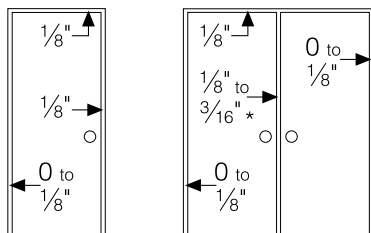
Frame Portion - #12-24 x 7/16", FHUC, Type C, threadforming.

- Standard Duty Hinges - 10 required for each leaf.
- Heavy Duty Hinges - 12 required for each leaf.
- Wood Screws - on request (specify on order).

Door Portion

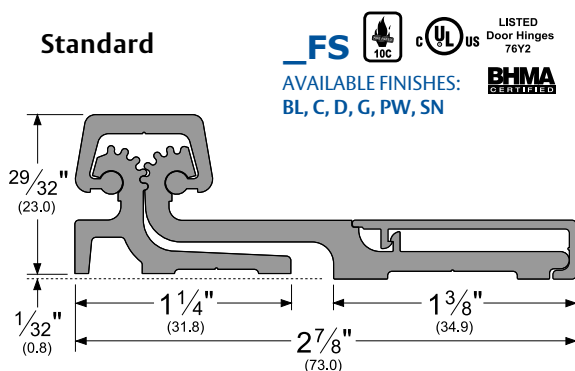
- Thru-bolt - 1/4-20 x 1-5/8".
 - Standard Duty Hinges - 4 required.
 - Heavy Duty Hinges - 4 required.
- Shoulder Bolt - 1/4-20 x 1" PCH.
 - Standard Duty Hinges - 4 required.
 - Heavy Duty Hinges - 4 required.
- Pan Head Self Drilling #12 x 3/4".
 - Standard Duty Hinges - 6 required.
 - Heavy Duty Hinges - 6 required.
- #10 x 1-1/2" Truss Head SMS.
 - Standard Duty Hinges - 6 required.
 - Heavy Duty Hinges - 6 required.

FS and FS_CP Door Clearances



* Certain door and frame conditions may require an extra 1/32"-1/16" clearance. Excessive clearance on fire rated assemblies may violate the requirements of NFPA 80.

Standard



FS LISTED Door Hinges 76Y2
AVAILABLE FINISHES: BL, C, D, G, PW, SN

Full-Surface Center Pivot Hinge

- Full-Surface Center Pivot units are designed mainly for retrofit work and are applied to the exposed surfaces of the door and frame.
- Full-Surface Center Pivot units easily replace butt hinges since no door or frame adjustments are necessary and are more versatile with restricted frame faces.

Full-Surface Center Pivot Fasteners:

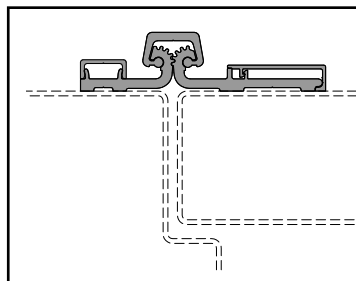
Frame Portion - #12-24 x 7/16",

Phillips Head Type C, threadforming.

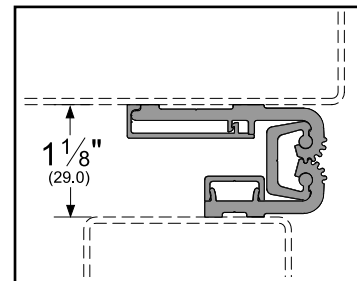
- Standard Duty Hinges - 12 required for each leaf.
- Heavy Duty Hinges - 12 required for each leaf.
- Wood Screws - on request (specify on order).

Door Portion

- Thru-bolt - 1/4-20 x 1-5/8".
 - Standard Duty Hinges - 4 required.
 - Heavy Duty Hinges - 4 required.
- Shoulder Bolt - 1/4-20 x 1" PCH.
 - Standard Duty Hinges - 4 required.
 - Heavy Duty Hinges - 4 required.
- Pan Head Self Drilling #12 x 3/4".
 - Standard Duty Hinges - 6 required.
 - Heavy Duty Hinges - 6 required.

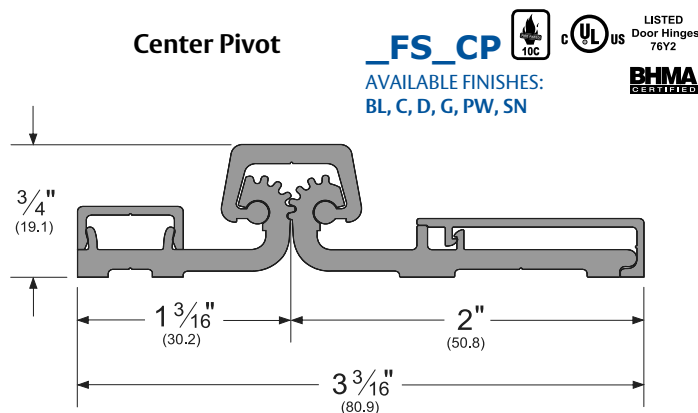


FS_CP in closed position.



FS_CP in full open position.

Center Pivot



FS_CP LISTED Door Hinges 76Y2
AVAILABLE FINISHES: BL, C, D, G, PW, SN

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • SN (Satin Nickel Anodized)
BL (Black Anodized) and PW (Painted White) are special finishes available upon request.

Aluminum Hinges For Aluminum Doors Under 90 lbs.

- These aluminum hinges are strictly for use on light weight aluminum doors weighing less than 90 lbs.
- Easier to install than standard Full-Surface and Full-Mortise units.

Aluminum Full-Mortise Hinges

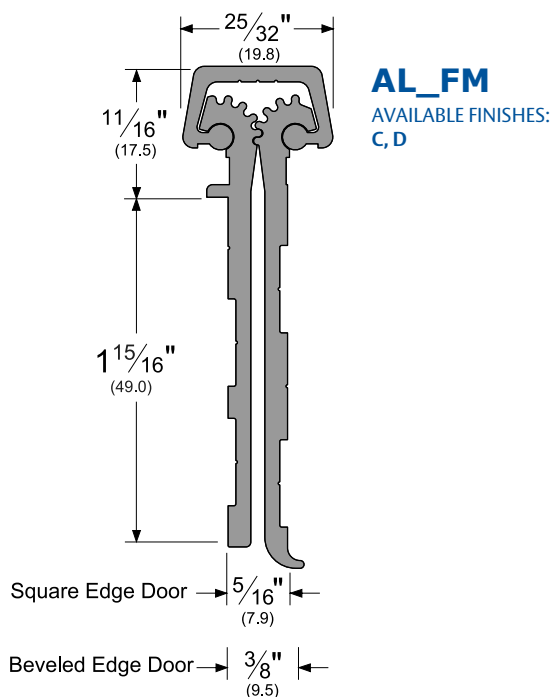
- Aluminum Full-Mortise units are designed mainly for new door applications, and are applied to conceal both leaves.

Aluminum Full-Mortise Fasteners:

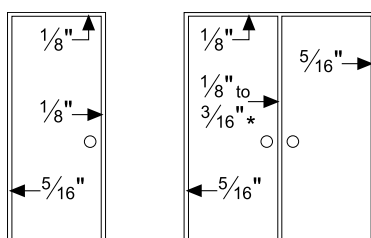
All fasteners are #10-16 x 3/4" quad flat stainless steel TEKS.

- Standard Duty Hinges - 14 required for each leaf.

Aluminum Full-Mortise



AL_FM Door Clearances



* Certain door and frame conditions may require an extra 1/32"-1/16" clearance. Excessive clearance on fire rated assemblies may violate the requirements of NFPA 80.

- Use in lieu of top/bottom pivots or butt hinges.
- Less expensive than standard Full-Mortise hinges when an economical alternative is required on aluminum doors.
- NOTE: All AL series hinges are excluded from the "Life of The Opening" guarantee, and instead carry a ten (10) year warranty.

Aluminum Full-Surface Hinges

- Aluminum Full-Surface units are designed mainly for retrofit work, and are applied to the exposed surfaces of the door frame.

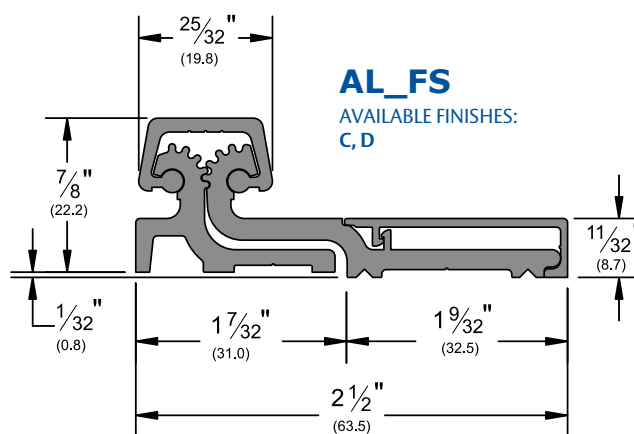
Aluminum Full-Surface Fasteners:

Frame Portion - All fasteners are # 10-16 x 3/4" quad flat stainless steel TEKS.

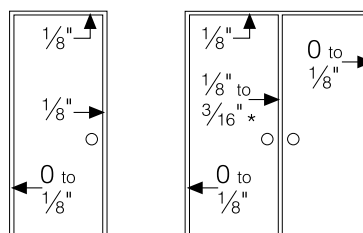
Door Portion

- Thru-bolt - 1/4-20 x 1-5/8".
1) Standard Duty Hinges - 4 required.
- Shoulder Bolt - 1/4-20 x 1" PCH.
1) Standard Duty Hinges - 4 required.
- Pan Head Self Drilling #12 x 3/4".
1) Standard Duty Hinges - 6 required.

Aluminum Full-Surface



AL_FS Door Clearances



* Certain door and frame conditions may require an extra 1/32"-1/16" clearance. Excessive clearance on fire rated assemblies may violate the requirements of NFPA 80.

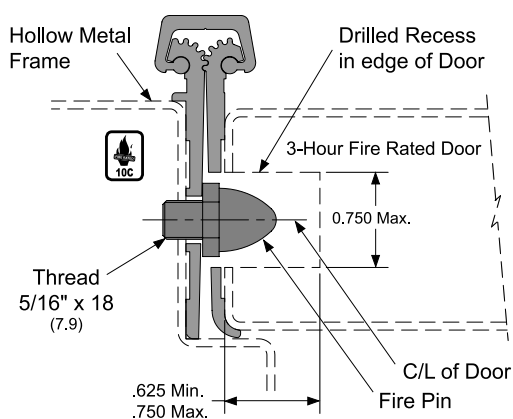
▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized)

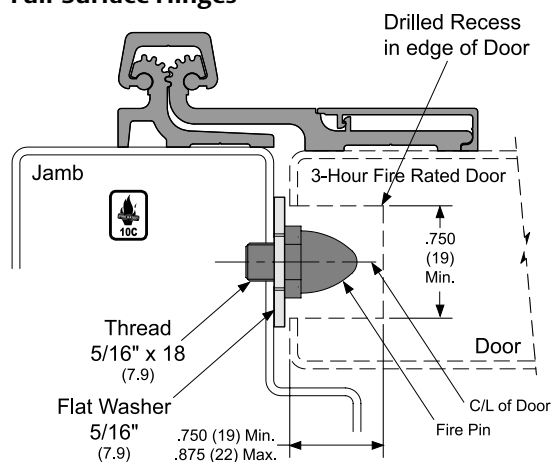
FirePins™ For Use With 3-Hour Fire Rated Assemblies

- Although PemkoHinges™ carry UL Fire Ratings unequalled in the industry, some applications may require the use of FirePins™.
- FirePin™ applications fall within the UL guidelines for retro-fitting assemblies in the field. Expensive shop modifications and door/frame reinforcements are not required.
- FirePins™ also add extra security to a door assembly.

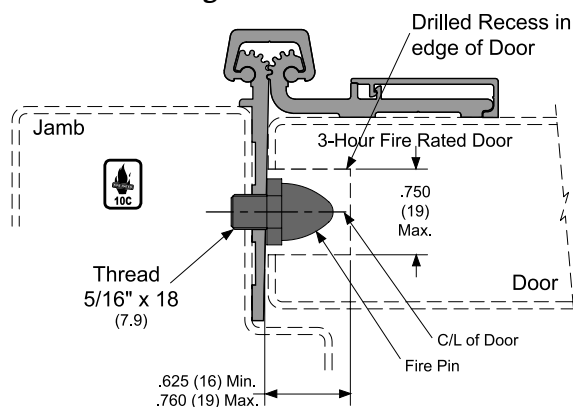
Full-Mortise Hinges



Full-Surface Hinges

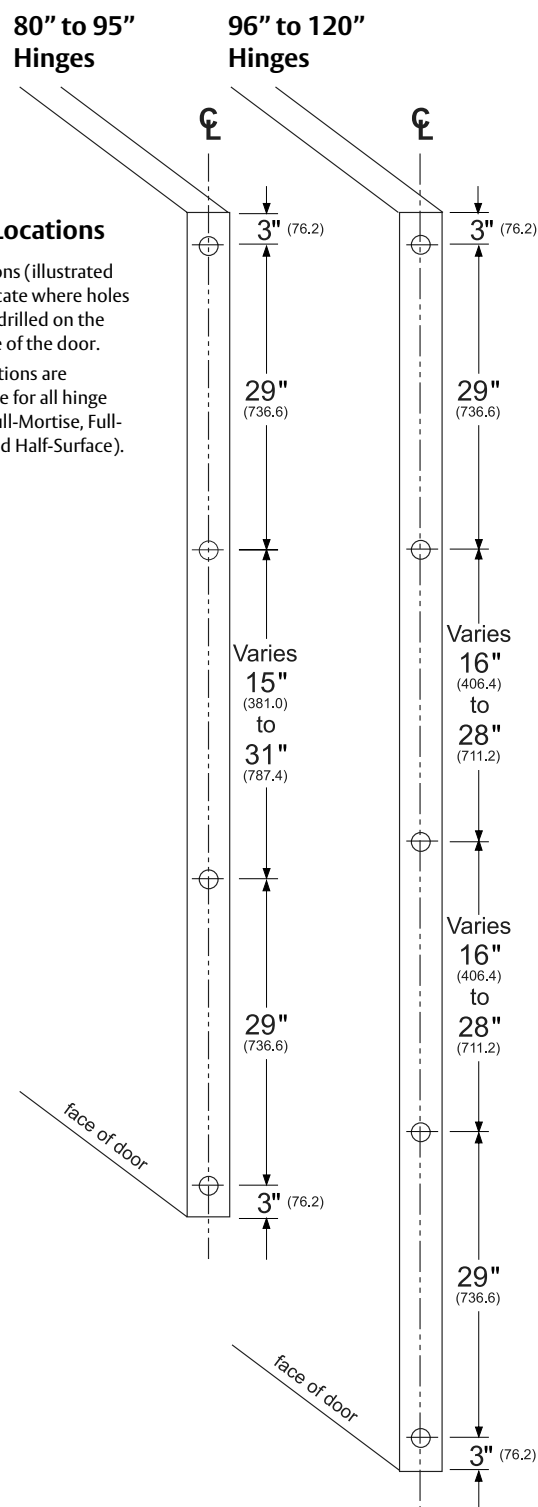


Half-Surface Hinges



FirePin™ Locations

- The locations (illustrated right) indicate where holes should be drilled on the hinge edge of the door.
- These locations are appropriate for all hinge models (Full-Mortise, Full-Surface, and Half-Surface).



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

B (Black Oxide) • Z (Zinc)

■ Continuous Geared Aluminum Hinge Architectural Specifications

Architectural Specifications for Full-Surface Hinges

Continuous geared hinges shall be manufactured of extruded 6063-T6 aluminum alloy / temper. Hinges shall consist of three interlocking extrusions in a pinless assembly applied to the full height of the door and frame. All hinges shall be manufactured to template screw locations. All hinges shall be manufactured to template bearing locations. Standard duty 83" hinges shall require 14 bearings for each leaf; heavy duty 83" hinges shall require 27 bearings for each leaf. Standard duty 83" hinges shall be rated for a maximum door weight of 280 lbs. and heavy duty 83" hinges shall be rated for a maximum door weight of 540 lbs. All hinges shall be manufactured non-handed. Frame leaf shall be no wider than 1-1/4" to ensure gear cap will not make contact with any brick or other type molding during normal operation. Frame leaf and door leaf shall be independently milled. The frame leaf and the door leaf shall be anodized after all milling and drilling processes are complete. All aluminum component parts shall be anodized in accordance with 204-R1 (AA-M12C22A31) clear or HC-II (AA-M12C22A44) dark bronze. Thrust-type bearings shall carry the vertical loads and be completely concealed by the gear cap the full length of the hinge. Hinges must meet the requirements of UBC7.2 1997 and UL10C. All hinges shall be capable of Underwriters Laboratories Inc. certification up to and including all 90-minute applications for wood doors as well as 3-hour applications for all hollow metal doors. Full-surface type hinges shall not require special pins of any type for fire ratings up to and including 90 minute. All hinges shall be tested as directed by The Builders Hardware Manufacturers Association and certified per all requirements of ANSI/BHMA A156.26 2000. All fasteners for frame leaf shall be #12-24 x 7/16" FHUC, Type C, threadforming screws and will be fully concealed when the door is in the closed position. Thru-bolt type fasteners for door leaf shall be templated and be of a design that will not make contact with the frame assembly. Shoulder bolts shall be used in conjunction with the thru-bolts and shall be 1/4-20 thread, 1" long, pancake head hex socket for security. All door and leaf fasteners shall be completely concealed under a security snap cover. Additionally, the snap cover shall be secured in place by a concealed set screw accessible only when the door is in the fully open position.

Architectural Specifications for Full-Mortise Hinges (Commercial Models)

Continuous geared hinges shall be manufactured of extruded 6063-T6 aluminum alloy / temper. Hinges shall consist of three interlocking extrusions in a pinless assembly applied to the full height of the door and frame. All hinges shall be manufactured to template screw locations. All hinges shall be manufactured to template bearing locations. Standard duty 83" hinges shall require 14 bearings for each leaf; heavy duty 83" hinges shall require 27 bearings for each leaf. Standard duty 83" hinges shall be rated for a maximum door weight of 280 lbs. and heavy duty 83" hinges shall be rated for a maximum door weight of 540 lbs. All hinges shall be manufactured non-handed. The frame leaf shall be independently milled. The frame leaf and the door leaf shall be anodized after all milling and drilling processes are complete. All aluminum component parts shall be anodized in accordance with 204-R1 (AA-M12C22A31) clear or HC-II (AA-M12C22A44) dark bronze. Thrust-type bearings shall carry the vertical loads and be completely concealed by the gear cap over the full length of the hinge. Hinges must meet the requirements of UBC7-2 1997 and UL10C. All hinges shall be capable of Underwriters Laboratories Inc. certification up to and including all 90-minute applications for wood doors as well as 3-hour applications for all hollow metal doors. Hinges shall be UL listed without restrictions for gauge of metal or wall type conditions. Hinges shall not require special pins of any type for fire ratings up to and including 90 minutes. All hinges shall be tested as directed by The Builders Hardware Manufacturers Association and certified per all requirements of ANSI/BHMA A156.26 2000. All fasteners for mortise type hinges shall be # 12-24 x 7/16" FHUC, Type C, threadforming screws.

Architectural Specifications for Half-Surface Hinges

Continuous geared hinges shall be manufactured of extruded 6063-T6 aluminum alloy / temper. Hinges shall consist of three interlocking extrusions in a pinless assembly applied to the full height of the door and frame. All hinges shall be manufactured to template screw locations. All hinges shall be manufactured to template bearing locations. Standard duty 83" hinges shall require 14 bearings for each leaf; heavy duty 83" hinges shall require 27 bearings for each leaf. Standard duty 83" hinges shall be rated for a maximum door weight of 280 lbs. and heavy duty 83" hinges shall be rated for a maximum door weight of 540 lbs. All hinges shall be manufactured non-handed. Frame leaf and door leaf shall be independently milled. The frame leaf and the door leaf shall be anodized after all milling and drilling processes are complete. All aluminum component parts shall be anodized in accordance with 204-R1 (AA-M12C22A31) clear or HC-II (AA-M12C22A44) dark bronze. Thrust-type bearings shall carry the vertical loads and be completely concealed by the gear cap the full length of the hinge. Hinges must meet the requirements of UBC7.2 1997 and UL10C. All hinges shall be capable of Underwriters Laboratories Inc. certification up to and including all 90 minute applications for wood doors as well as 3 hour applications for all hollow metal doors. Half-surface type hinges shall not require special pins of any type for fire ratings up to and including 90 minute. All hinges shall be tested as directed by The Builders Hardware Manufacturers Association and certified per all requirements of ANSI/BHMA A156.26 2000. All fasteners for frame leaf shall be #12-24 x 7/16" Type C, FHUC Phillips head screws and will be fully concealed when the door is in the closed position. Thru-bolt type fasteners for the door leaf shall be templated and be of a design that will not make contact with the frame assembly. Shoulder bolts shall be used in conjunction with the thru-bolts and shall be 1/4-20 thread, 1" long, pancake head hex socket for security. All door leaf fasteners shall be completely concealed under a security snap cover.



ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

COMMERCIAL THRESHOLDS

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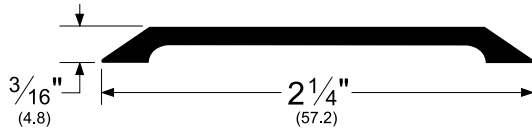
COMMERCIAL THRESHOLDS

Saddle Thresholds

- To use a saddle threshold in an offset condition, use an elevator (see page 37).

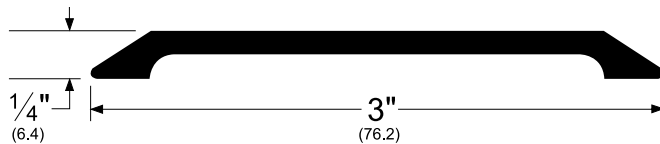
173_  **BHMA**
CERTIFIED

AVAILABLE FINISHES: A, B, D, G



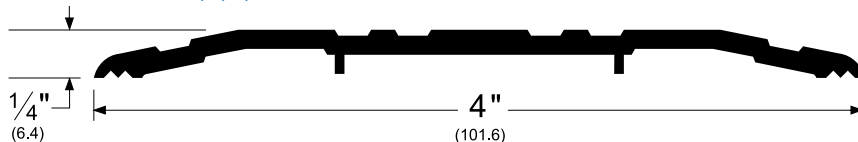
151_   **BHMA**
CERTIFIED

AVAILABLE FINISHES: A, B, D, G



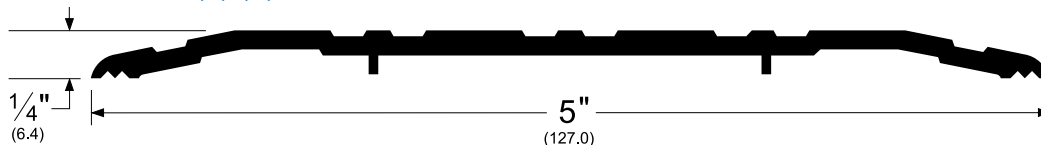
270_   **BHMA**
CERTIFIED

AVAILABLE FINISHES: A, B, D, G



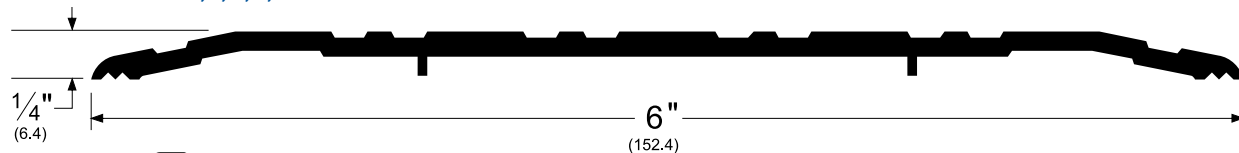
271_   **BHMA**
CERTIFIED

AVAILABLE FINISHES: A, B, D, G, SN



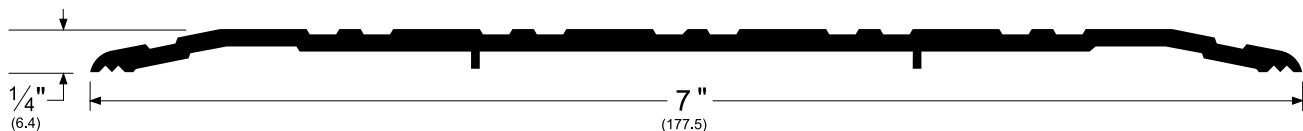
272_   **BHMA**
CERTIFIED

AVAILABLE FINISHES: A, B, D, G, SN



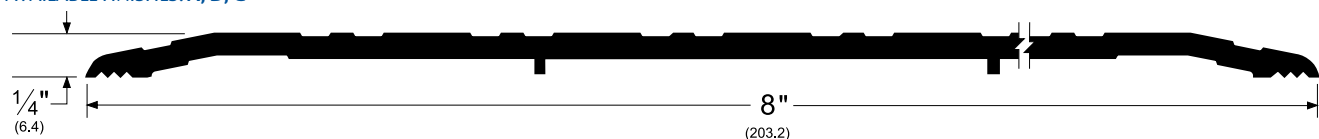
276_   **BHMA**
CERTIFIED

AVAILABLE FINISHES: A, B, D, G



2748_   **BHMA**
CERTIFIED

AVAILABLE FINISHES: A, D, G



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • D (Dark Bronze Anodized) • G (Gold Anodized) • SN (Satin Nickel Anodized)

NOTE: G, SN are available with limited inventory

Saddle Thresholds (Cont.)

- To use a saddle threshold in an offset condition, use an elevator (see page 37).

274X4_

AVAILABLE FINISH: B



Now available with a 12" (304.8) width.

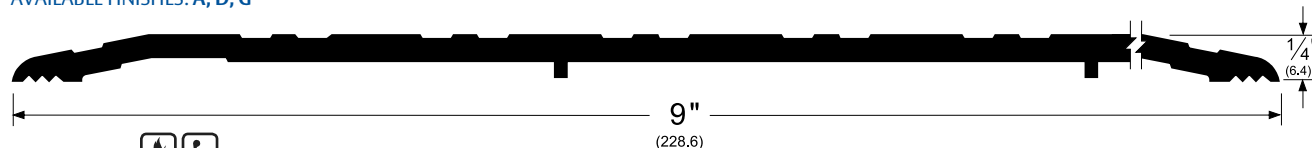
2746x6_

AVAILABLE FINISHES: A, D, G



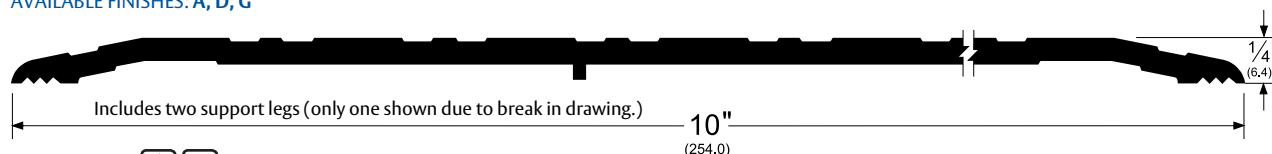
2749_

AVAILABLE FINISHES: A, D, G



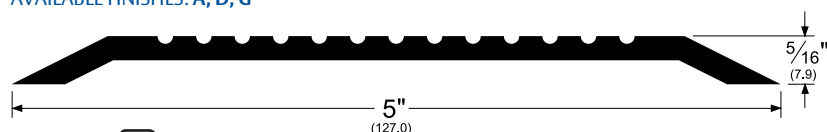
2750_

AVAILABLE FINISHES: A, D, G



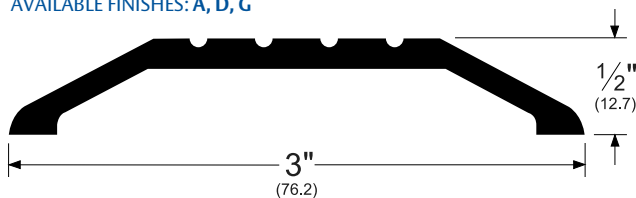
1665_

AVAILABLE FINISHES: A, D, G



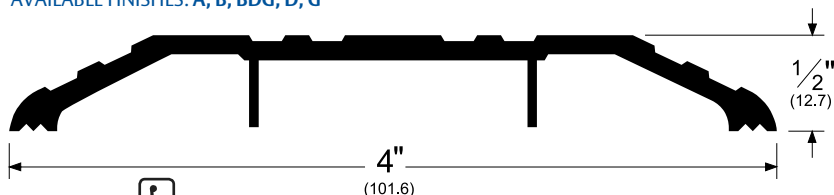
169_

AVAILABLE FINISHES: A, D, G



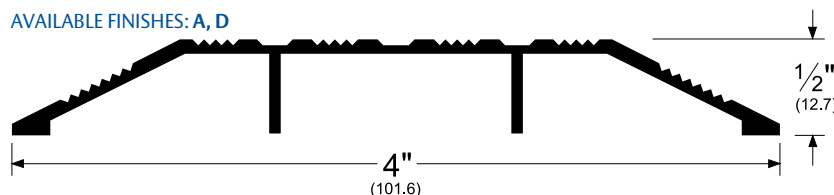
170_

AVAILABLE FINISHES: A, B, BDG, D, G



1700_

AVAILABLE FINISHES: A, D



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)

NOTE: G, SN are available with limited inventory

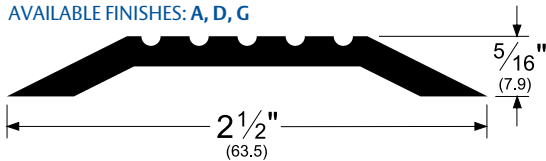
COMMERCIAL THRESHOLDS

Saddle Thresholds (Cont.)

- To use a saddle threshold in an offset condition, use an elevator (see page 37).

166_  

AVAILABLE FINISHES: A, D, G



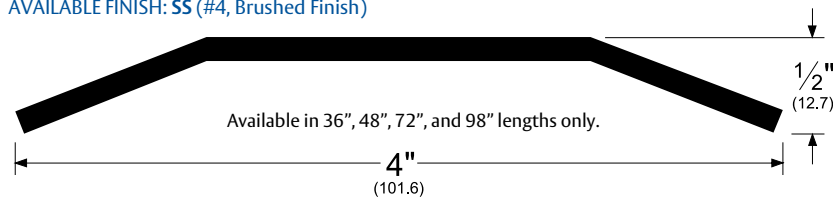
175_   

AVAILABLE FINISHES: A, B, D, G



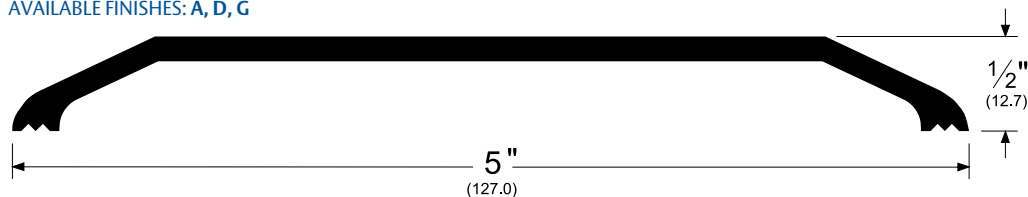
175SS_   

AVAILABLE FINISH: SS (#4, Brushed Finish)



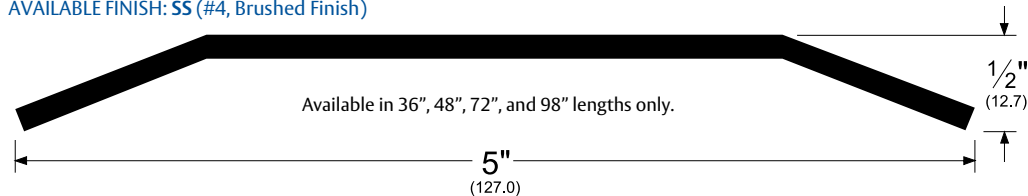
154_   

AVAILABLE FINISHES: A, D, G



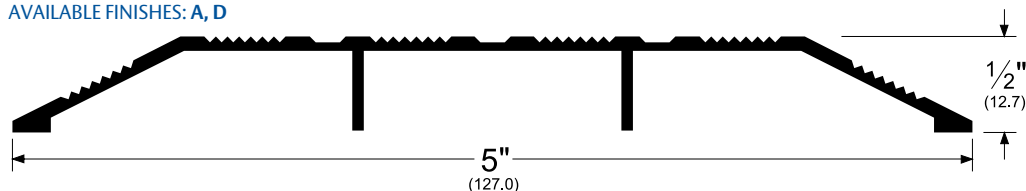
154SS_   

AVAILABLE FINISH: SS (#4, Brushed Finish)



1710_ 

AVAILABLE FINISHES: A, D



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • D (Dark Bronze Anodized) • G (Gold Anodized) • SS (See Individual Part)

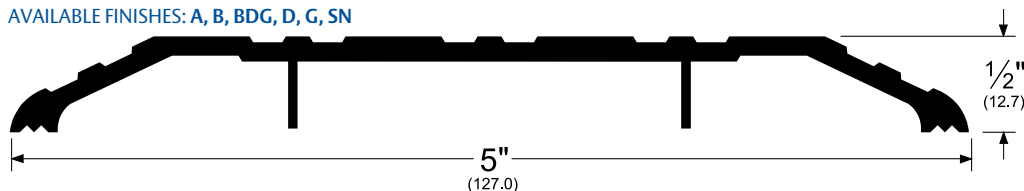
NOTE: G, SN are available with limited inventory

Saddle Thresholds (Cont.)

- To use a saddle threshold in an offset condition, use an elevator (see page 37).

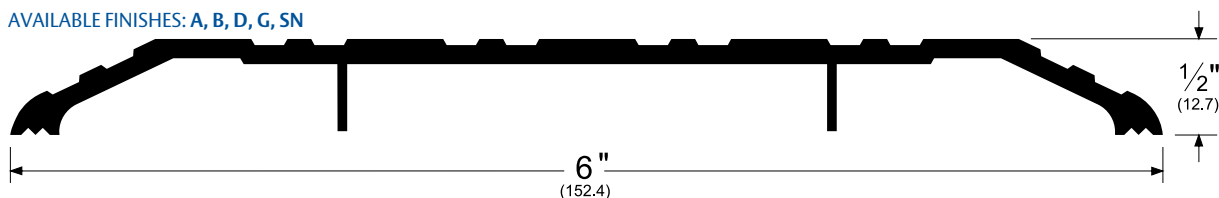
171_

AVAILABLE FINISHES: A, B, BDG, D, G, SN



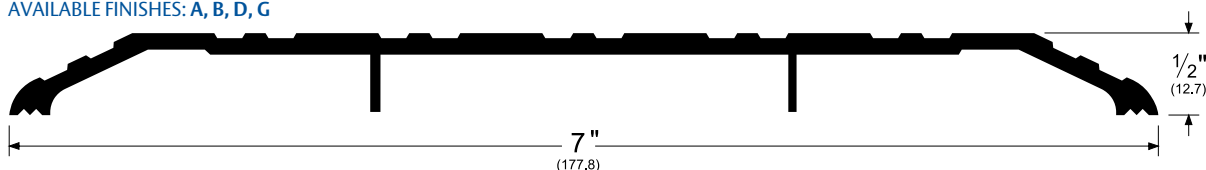
172_

AVAILABLE FINISHES: A, B, D, G, SN



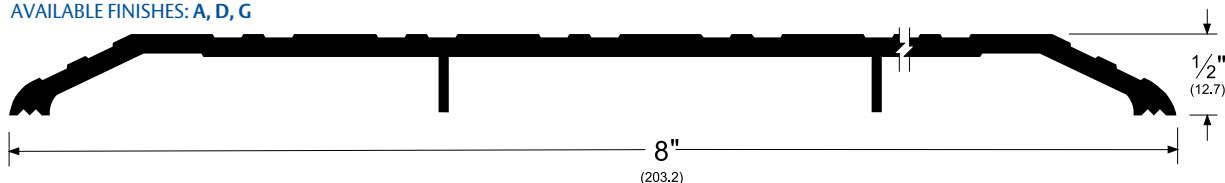
176_

AVAILABLE FINISHES: A, B, D, G



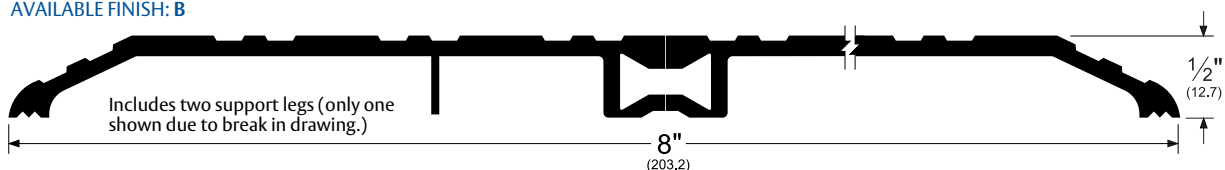
2548_

AVAILABLE FINISHES: A, D, G



254X4_

AVAILABLE FINISH: B



2549_

AVAILABLE FINISHES: A, D, G



NOTE: Products shown in this section may not be drawn to scale.

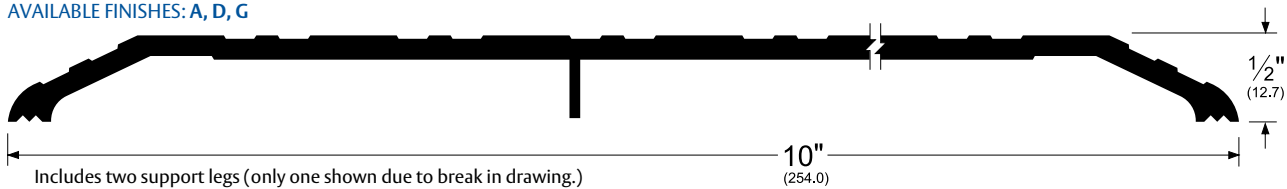
▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized)
G (Gold Anodized) • SN (Satin Nickel Anodized) NOTE: G, SN are available with limited inventory

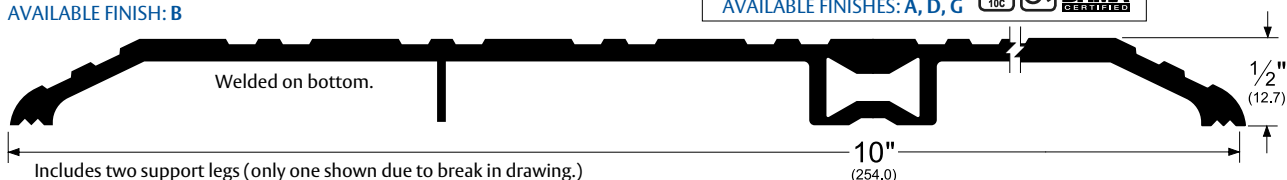
COMMERCIAL THRESHOLDS

Saddle Thresholds (Cont.)

2550_   
AVAILABLE FINISHES: A, D, G



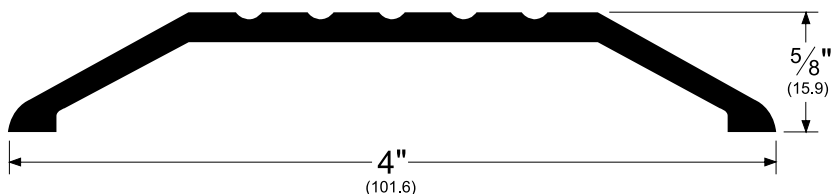
255X5_   
AVAILABLE FINISH: B



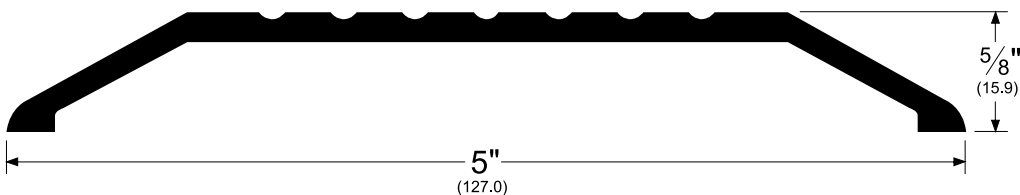
Now available with a 12" (304.8) width.

256X6_   
AVAILABLE FINISHES: A, D, G

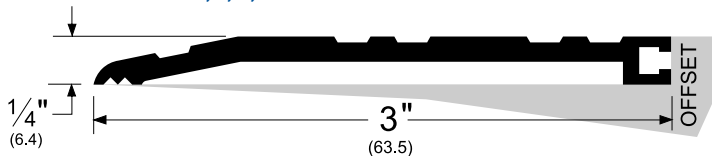
198_ 
AVAILABLE FINISHES: A, B, D, G



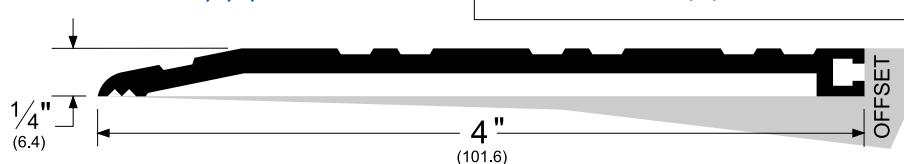
156_ 
AVAILABLE FINISHES: A, D, G



273_   
AVAILABLE FINISHES: A, B, D, G



274_   
AVAILABLE FINISHES: A, B, D, G



Now available with a 6" (152.4) width.

2746_   
AVAILABLE FINISHES: A, D, G

NOTE: Products shown in this section may not be drawn to scale.

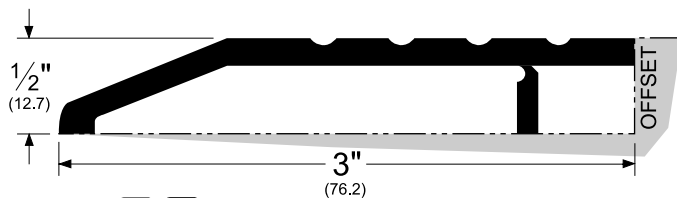
▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • D (Dark Bronze Anodized) • G (Gold Anodized)

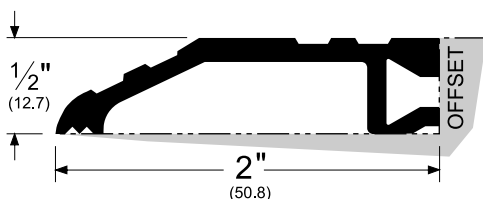
NOTE: G, SN are available with limited inventory

Saddle Thresholds (Cont.)

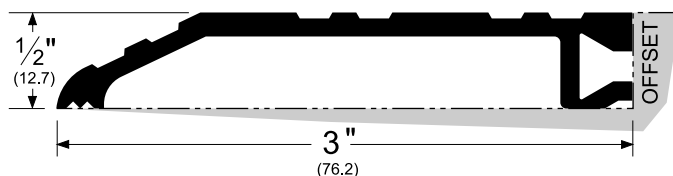
168_   
AVAILABLE FINISHES: A, D, G



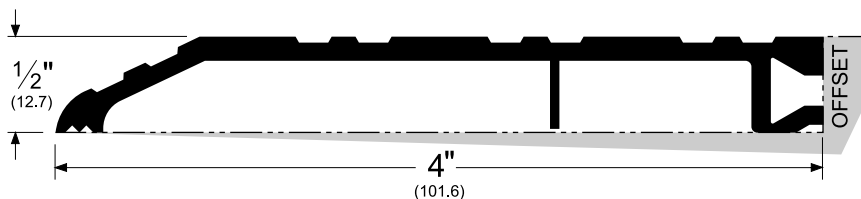
252_   
AVAILABLE FINISHES: A, B, D, G



253_   
AVAILABLE FINISHES: A, B, D, G



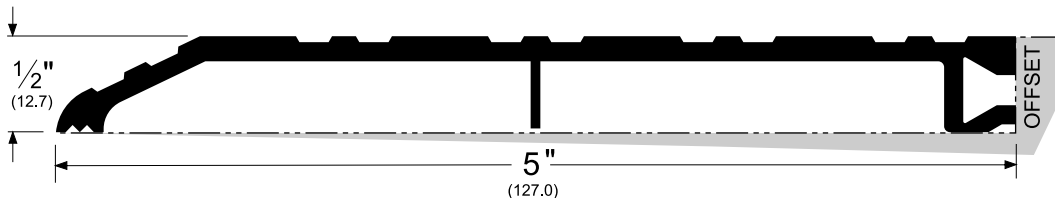
254_   
AVAILABLE FINISHES: A, B, D, G



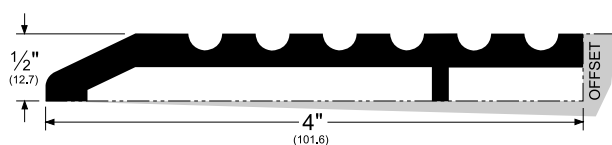
Now available with a 6" (152.4) width.

256_   
AVAILABLE FINISHES: A, D, G

255_   
AVAILABLE FINISHES: A, B, D, G

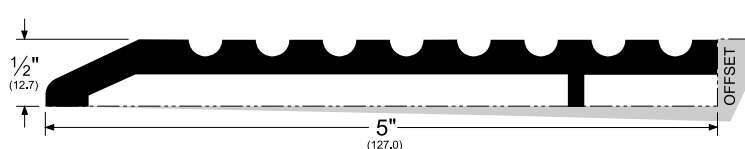


227_   
AVAILABLE FINISHES: A, B, D, G



Note: the 227 and 229 can be welded to floor plates and supports (pages 39-41), to create custom thresholds which have the same fluting pattern.

229_   
AVAILABLE FINISHES: A, D, G



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • D (Dark Bronze Anodized) • G (Gold Anodized)

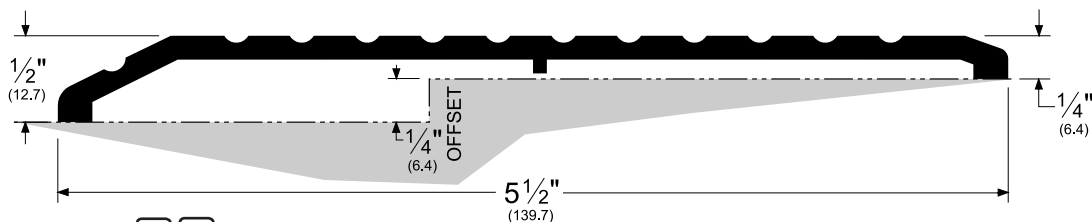
NOTE: G, SN are available with limited inventory

COMMERCIAL THRESHOLDS

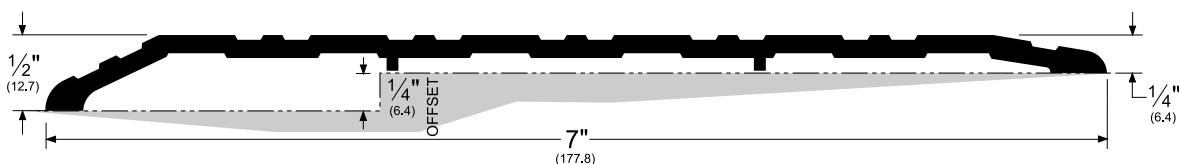
Half Saddles/Offset Saddles

NOTE: Products shown in this section may not be drawn to scale.

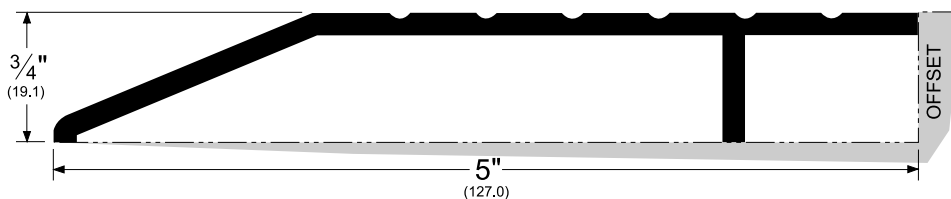
158_ 
AVAILABLE FINISHES: A, D, G



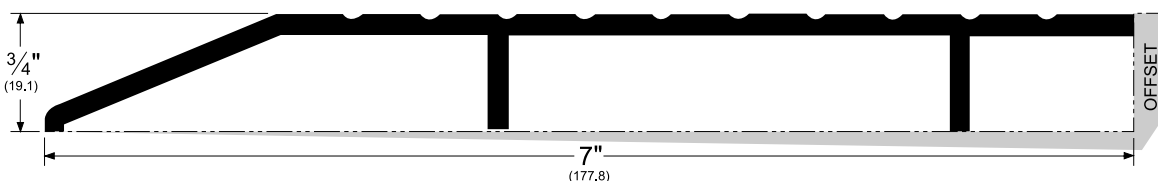
2727_ 
AVAILABLE FINISHES: A, D, G



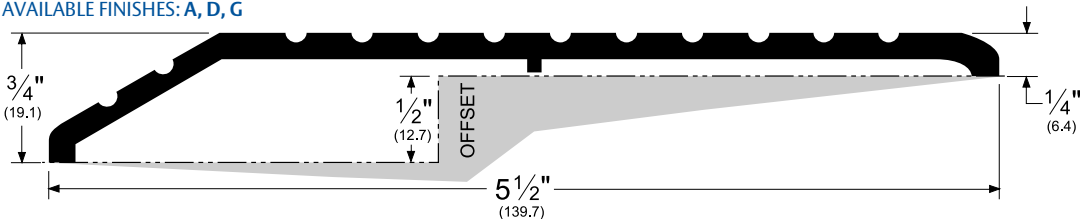
1875_
AVAILABLE FINISHES: A, D, G



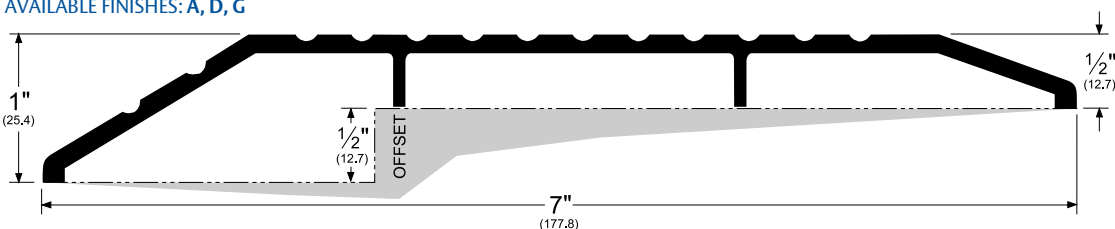
1877_ 
AVAILABLE FINISHES: A, D, G



157_ 
AVAILABLE FINISHES: A, D, G



182_ 
AVAILABLE FINISHES: A, D, G



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • D (Dark Bronze Anodized) • G (Gold Anodized)

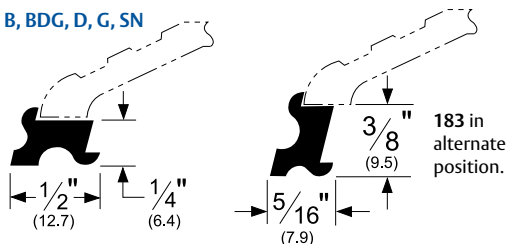
NOTE: G, SN are available with limited inventory

Elevators

- Elevators allow for custom sizing on offset conditions.

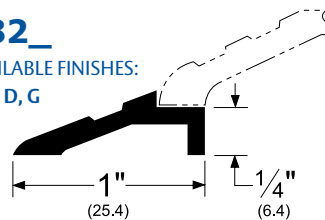
183_

AVAILABLE FINISHES:
A, B, BDG, D, G, SN



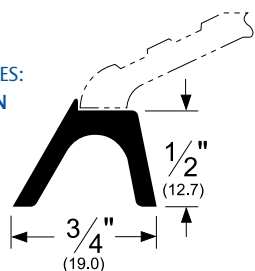
282_

AVAILABLE FINISHES:
A, B, D, G



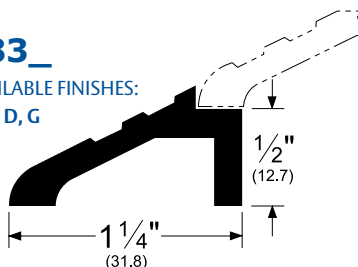
188_

AVAILABLE FINISHES:
A, B, BDG, D, G, SN



283_

AVAILABLE FINISHES:
A, B, D, G



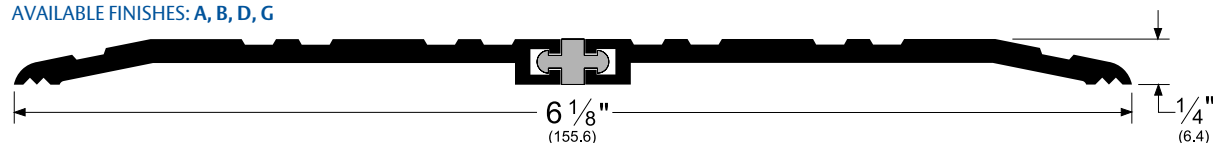
Thermal Barrier Saddles

- Black rigid vinyl key between extrusions provides a thermal barrier (designated by "FG" Frost Guard following finish code).

273X3_FG



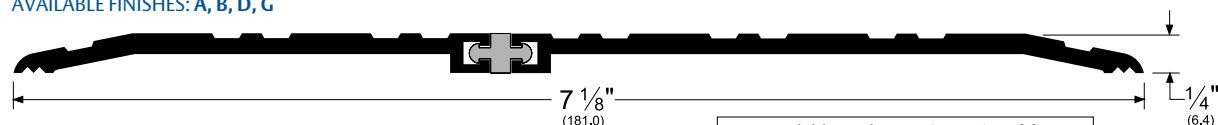
AVAILABLE FINISHES: A, B, D, G



273X4_FG



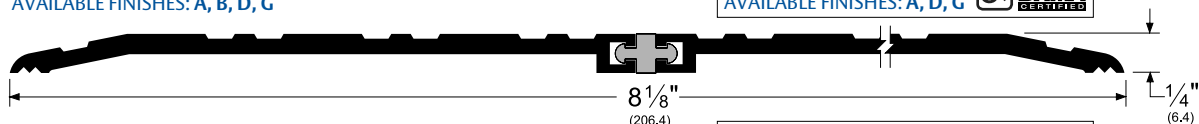
AVAILABLE FINISHES: A, B, D, G



274X4_FG



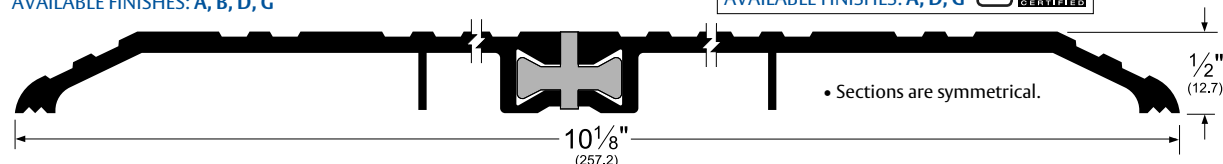
AVAILABLE FINISHES: A, B, D, G



255X5_FG



AVAILABLE FINISHES: A, B, D, G



Now available with a 12" (304.8) width.

2746x6_FG

AVAILABLE FINISHES: A, D, G



Now available with a 12" (304.8) width.

256x6_FG

AVAILABLE FINISHES: A, D, G



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

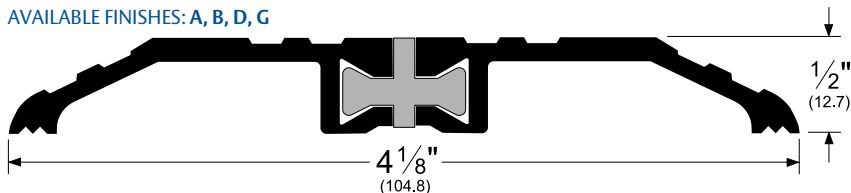
A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized)
G (Gold Anodized) • SN (Satin Nickel Anodized) NOTE: G, SN are available with limited inventory

COMMERCIAL THRESHOLDS

Thermal Barrier Saddles (Cont.)

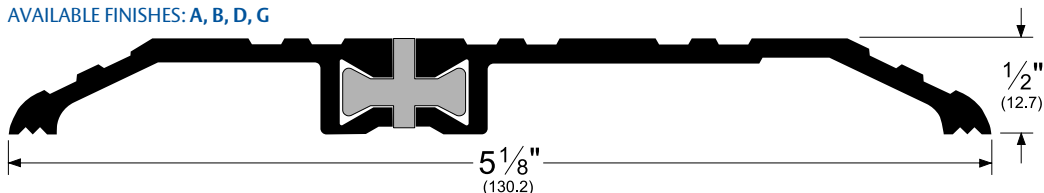
252X2_FG

AVAILABLE FINISHES: A, B, D, G



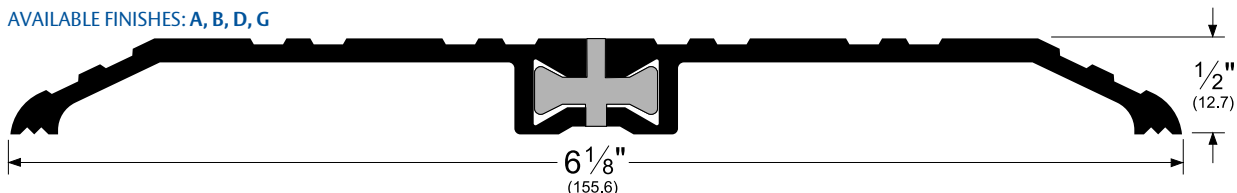
252X3_FG

AVAILABLE FINISHES: A, B, D, G



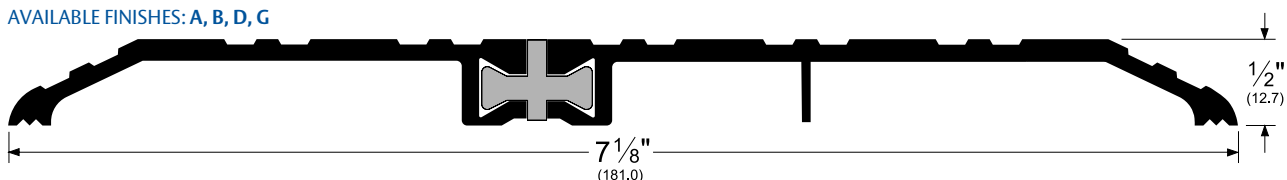
253X3_FG

AVAILABLE FINISHES: A, B, D, G



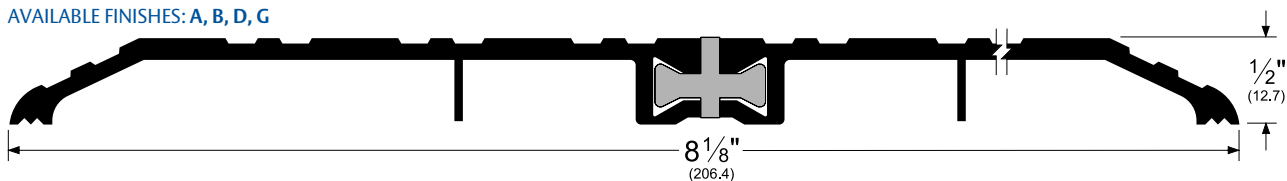
253X4_FG

AVAILABLE FINISHES: A, B, D, G



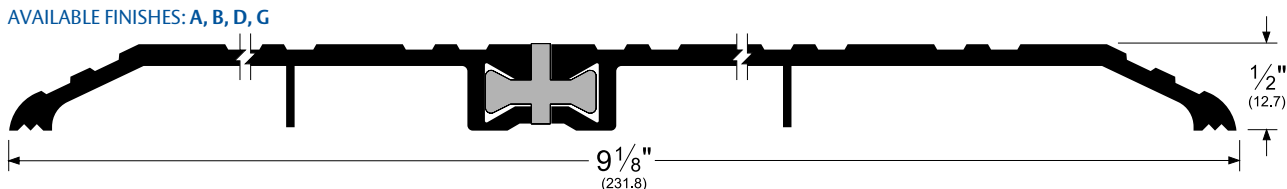
254X4_FG

AVAILABLE FINISHES: A, B, D, G



254X5_FG

AVAILABLE FINISHES: A, B, D, G



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

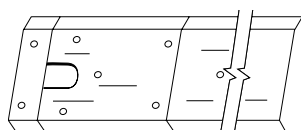
A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • D (Dark Bronze Anodized) • G (Gold Anodized)

NOTE: G, SN are available with limited inventory

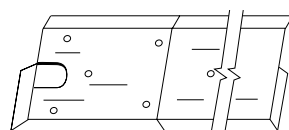
Floor Closer Thresholds/Cover Plate Assemblies

- **TYPE OF ASSEMBLY** – Type 11 or 14 for center hung, Type 13 or 15 for offset hung.
- **MATERIALS** – Saddles, floor plates, supports, risers, elevators, and stop strips.
- **CLOSER TO BE USED** – Manufacturer and model number.
- **NET LENGTH** – Jamb-to-jamb. Assembly Types 11, 13 and 14 are cut with center section 1/2" over net length up to 48" and 1" over net length over 48" to allow for fitting on the job. Please specify "net length", if required. Assembly Type 15 is cut at net length because of factory-cut miters.
- **HANDING** – For single doors, specify right or left hand. For pairs of doors, handing is not required.
- **SPECIAL FINISHES** – Examples include polished, oxidized and oil rubbed, Satin Buff, and PemKote™.
- **SPECIAL FASTENERS** – For center section only. Examples include: MS and ES, FHSL25 and SS/MS & ES.
- **SPECIAL FABRICATION INSTRUCTIONS** – Notching, full miters, etc. Assembly Type 11 is supplied without mitered ends, and assembly Types 13, 14 and 15 are supplied with both ends mitered. Also, when ordering stop strips (shown on page 42), specify door thickness and pivot offset so that the threshold assembly width and pivot dimension can be determined.
- **RETURNS AND ALLOWANCES** – No merchandise made for special order will be accepted for return or credit

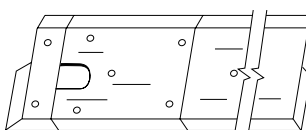
| THRESHOLD WIDTH | FASTENER ROWS | THRESHOLD WIDTH | FASTENER ROWS |
|-----------------|---------------|-----------------|---------------|
| 2" TO 7-7/8" | 1 Row | 19" to 24-7/8" | 4 Rows |
| 8" to 12-7/8" | 2 Rows | 25" to 30-7/8" | 5 Rows |
| 13" to 18-7/8" | 3 Rows | 31" to 36-7/8" | 6 Rows |



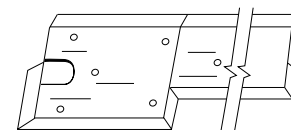
TYPE 11



TYPE 13



TYPE 14



TYPE 15

| THRESHOLDS FOR TYPE 11, 13, 14 | | | | |
|--------------------------------|----------------------|------------|------------------|----------|
| SIZE | PRODUCT NUMBER | FINISHES | PRODUCT NUMBER | FINISHES |
| 1/2" x 7" | 176_ | A, B, D, G | | |
| 1/4" x 7" | 276_ | A, B, D, G | | |
| 1/2" x 8" | 2548_ | A, D, G | 254_ x 4_ | B |
| 1/4" x 8" | 2748_ | A, D, G | 274_ x 4_ | B |
| 1/2" x 8-7/8" | 193_ x 2/195_ | A, B, D, G | | |
| *3/4" x 12" x 1/4" | 257_ x 259_ | A, B, D, G | | |

* Ramp threshold for 1/2" offset.

| THRESHOLDS FOR TYPE 15 | | | | |
|------------------------|---------------------|------------|------------------------|----------|
| SIZE | PRODUCT NUMBER | FINISHES | PRODUCT NUMBER | FINISHES |
| 1/2" x 7" x 4" | 176_ x 170_ | A, B, D, G | | |
| 1/4" x 7" x 4" | 276_ x 270_ | A, B, D, G | | |
| 1/2" x 7" x 5" | 176_ x 171_ | A, B, D, G | | |
| 1/4" x 7" x 5" | 276_ x 271_ | A, B, D, G | | |
| 1/2" x 8" x 4" | 2548_ x 170_ | A, D, G | 254 x 4_ x 170_ | B |
| 1/4" x 8" x 4" | 2748_ x 270_ | A, D, G | 274 x 4_ x 270_ | B |
| 1/2" x 8" x 5" | 2548_ x 171_ | A, D, G | 254 x 4_ x 171_ | B |
| 1/4" x 8" x 5" | 2748_ x 271_ | A, D, G | 274 x 4_ x 271_ | B |

▲ **AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE** (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • D (Dark Bronze Anodized) • G (Gold Anodized)

NOTE: G, SN are available with limited inventory

COMMERCIAL THRESHOLDS

Floor Plates/Safety Treads

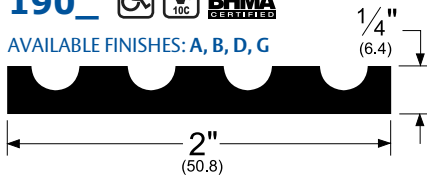
- Pemko can fabricate almost any floor plate threshold you might require.
- Furnished undrilled unless drilling instructions are specified when ordering.
- Ordering of fasteners does not constitute drilling instructions.
- Elevated floor plates require support every 4" on center, at welded seams, and as necessary for support.
- Orders with "x" in the product number (i.e. 195 x 193 x 195) indicate welding.



Available with PemKote™ non-slip coating (see General Information section). Please specify "PemKote™" when ordering. Please furnish drilling instructions when ordering PemKote™ as it is difficult to drill through this coating.

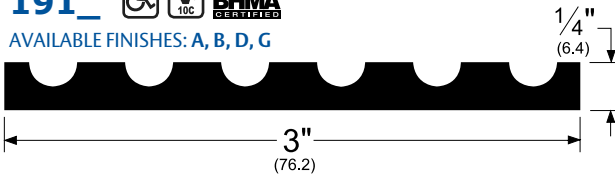
190_   

AVAILABLE FINISHES: A, B, D, G



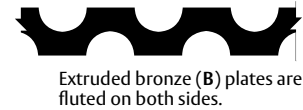
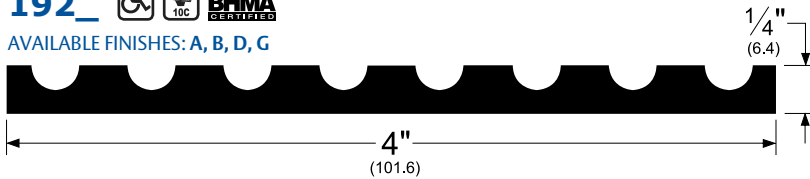
191_   

AVAILABLE FINISHES: A, B, D, G



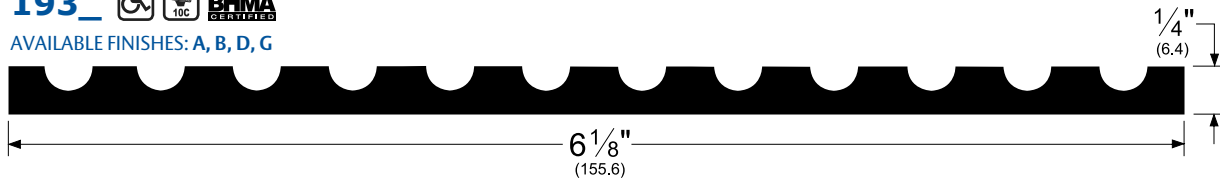
192_   

AVAILABLE FINISHES: A, B, D, G



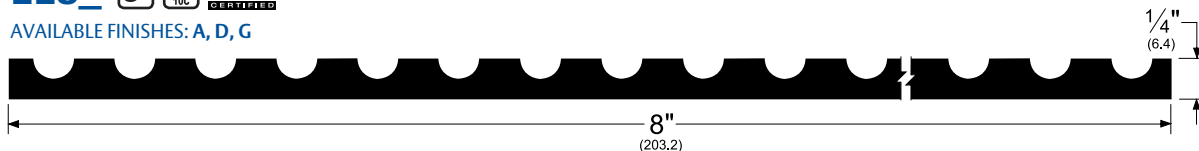
193_   

AVAILABLE FINISHES: A, B, D, G



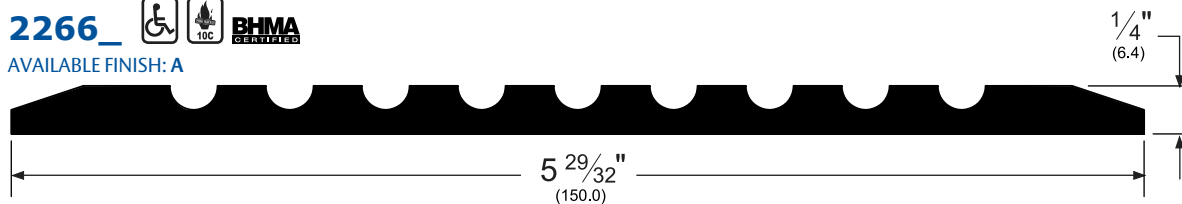
228_   

AVAILABLE FINISHES: A, D, G



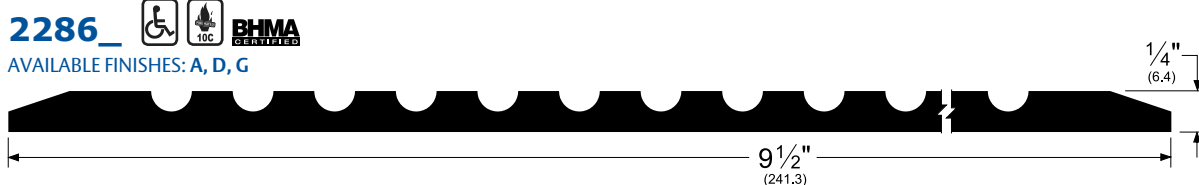
2266_   

AVAILABLE FINISH: A



2286_   

AVAILABLE FINISHES: A, D, G

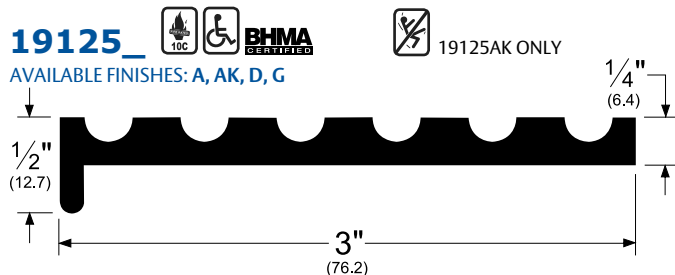


▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

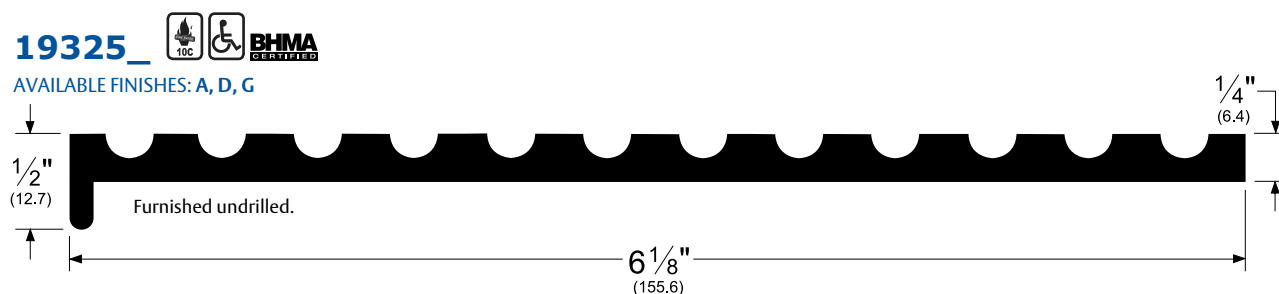
A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • D (Dark Bronze Anodized) • G (Gold Anodized)

NOTE: G, SN are available with limited inventory

Floor Plates/Safety Treads (Cont.)

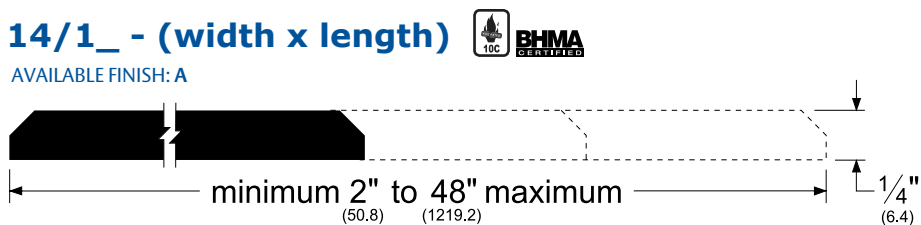
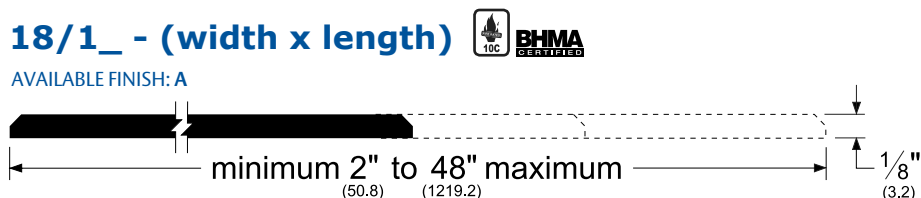


Specialty floor plates with PemKote™ non-slip coating, normally used as abrasive coated stair nosings (safety treads).



Aluminum Plates

- Used wherever a cover plate, expansion joint plate or wide extra-strength metal plate is needed. Aluminum plates are superior in strength to extruded sections and come in a standard aluminum finish (A) with no flutes.
- Maximum standard length is 96" (Maximum "special order" length is 144"). All aluminum plates are provided NET length.
- Both width edges are beveled at a 45° angle; "single edge bevel" or "no bevel" is also available at no extra cost.
- Plates are supplied undrilled unless otherwise specified. Pemko reserves the right to charge for special fastener patterns.
- Plates are furnished with #10 x 1-1/2" plated wood screws (other fasteners available at extra cost). Number of screws supplied: one (1) screw per foot up to 8" in width; two (2) screws per foot over 8" in width and up to 12" in width, and three (3) screws per foot over 12" in width.



NOTE: Products shown in this section may not be drawn to scale.

▲ **AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE** (see General Information section for finish chart)

A (Mill Finish Aluminum) • AK (Mill Finish Aluminum w/PemKote™ Non-Slip Coating) • D (Dark Bronze Anodized) • G (Gold Anodized)

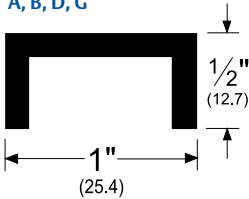
NOTE: G, SN are available with limited inventory

COMMERCIAL THRESHOLDS

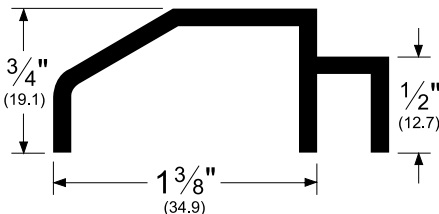
Floor Plate Supports/Accessories

- Please see information under Floor Plates and Safety Treads (page 40-41).

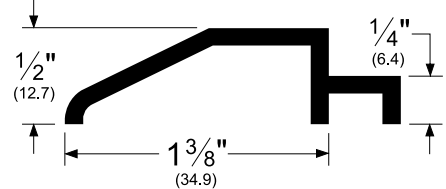
189_ 
AVAILABLE FINISHES:
A, B, D, G



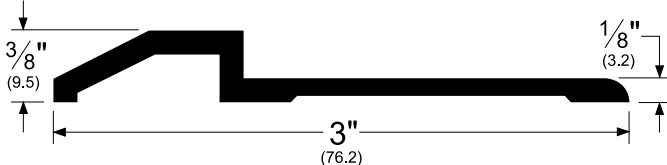
194_  
AVAILABLE FINISHES:
A, B, D, G



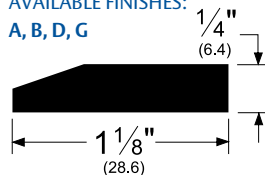
195_  
AVAILABLE FINISHES:
A, B, D, G



200_  
AVAILABLE FINISHES:
A, B, D, G



196_  
AVAILABLE FINISHES:
A, B, D, G



Please specify whether 196 material is to be used as trim or support.

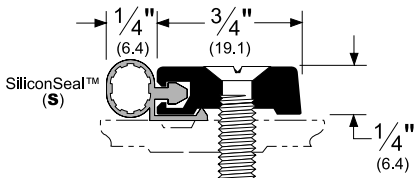
Threshold Stop Strips

- Use with standard flat top threshold saddle to provide a door stop and seal at bottom of door.
- Stop strips are supplied pre-drilled with #10-24 Phillips flat head machine screws of appropriate length.
- These stops will effect the pivot hole location of an assembly.

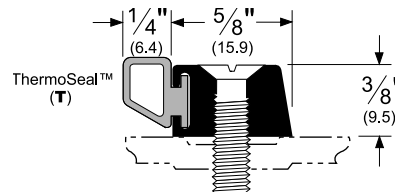
1842_S   Barrier-free with 1/4" saddle only.

AVAILABLE FINISHES: A, D, G

Allow 1/8" door clearance from top of threshold.



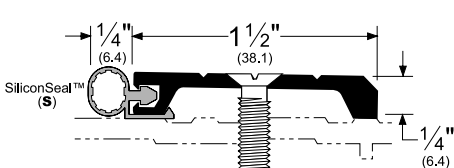
184_T 
AVAILABLE FINISHES: A, B, D, G



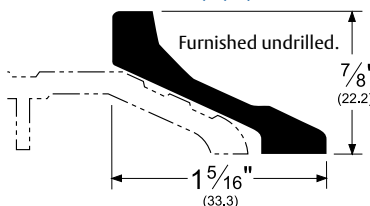
290_SSTOP   Barrier-free with 1/4" saddle only.

AVAILABLE FINISHES: A, D, G

Allow 1/8" door clearance from top of threshold.



284_
AVAILABLE FINISHES: A, B, D, G



ALTERNATE INSERTS FOR THRESHOLD STOP STRIPS

1842_PK
290_PKSTOP



PemkoPrene™ (PK)

184_P



pile (P)

NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • D (Dark Bronze Anodized) • G (Gold Anodized)

NOTE: G, SN are available with limited inventory

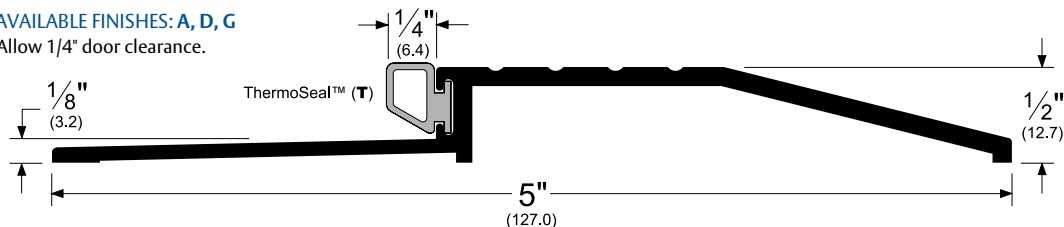
Latching Panic Exit Saddles

- Used in conjunction with surface applied vertical rod exit device, or as a stop and a seal at the bottom of door.
- For offset applications, use an elevator (see page 37).

2001_T

AVAILABLE FINISHES: A, D, G

Allow 1/4" door clearance.

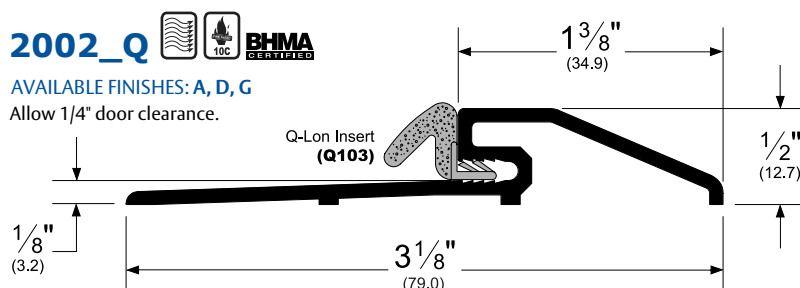


Special purpose bumper threshold designed for use with a low 1/4" to 3/8" undercut door.

2002_Q

AVAILABLE FINISHES: A, D, G

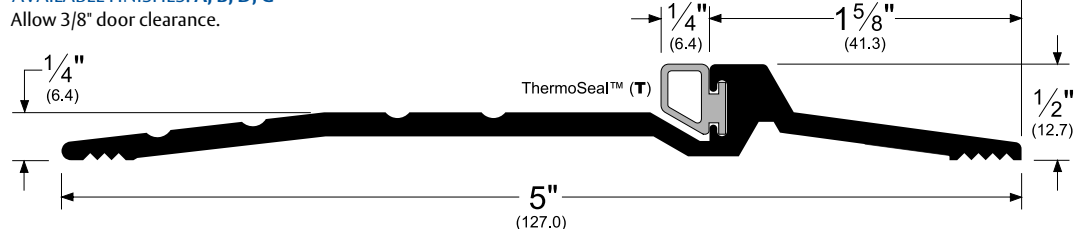
Allow 1/4" door clearance.



2005_T

AVAILABLE FINISHES: A, B, D, G

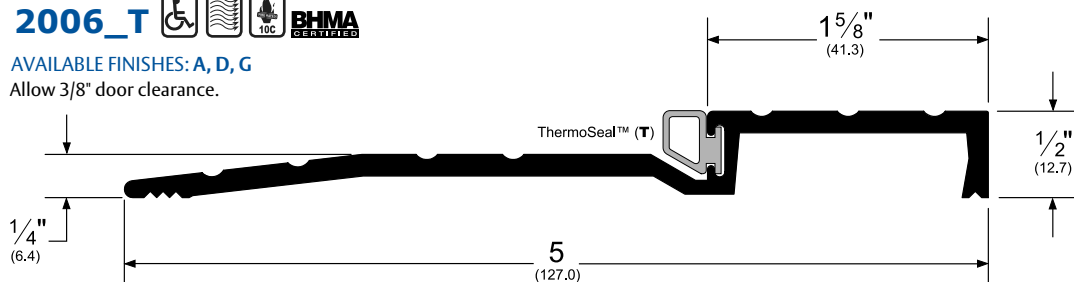
Allow 3/8" door clearance.



2006_T

AVAILABLE FINISHES: A, D, G

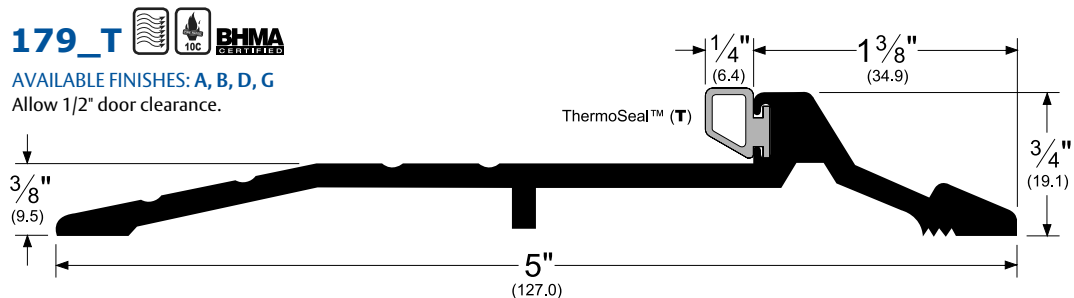
Allow 3/8" door clearance.



179_T

AVAILABLE FINISHES: A, B, D, G

Allow 1/2" door clearance.



NOTE: Products shown in this section may not be drawn to scale.

ALTERNATE INSERTS



pile (P)

179_P 2001_P

2005_P 2006_P



vinyl (V)

179_V 2001_V

2005_V 2006_V

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • D (Dark Bronze Anodized) • G (Gold Anodized)

NOTE: G, SN are available with limited inventory

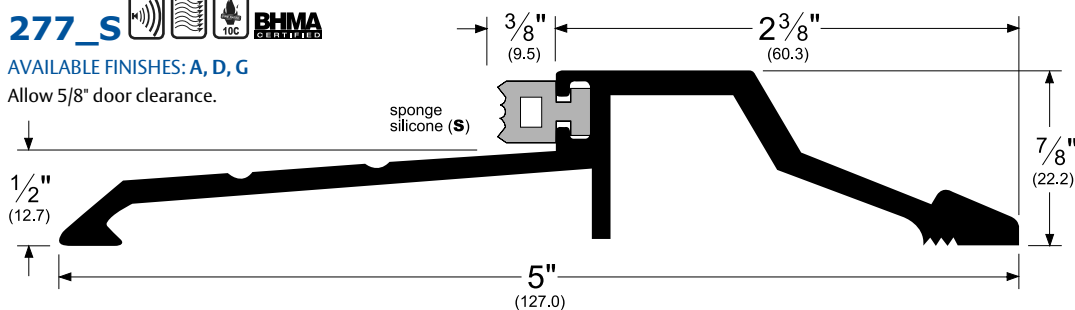
COMMERCIAL THRESHOLDS

Latching Panic Exit Saddles (Cont.)

277_S

AVAILABLE FINISHES: A, D, G

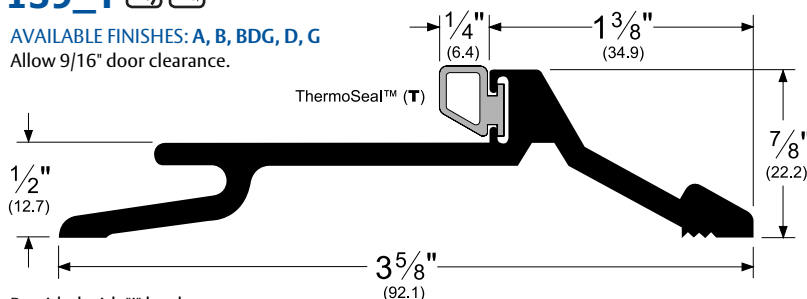
Allow 5/8" door clearance.



159_T

AVAILABLE FINISHES: A, B, BDG, D, G

Allow 9/16" door clearance.



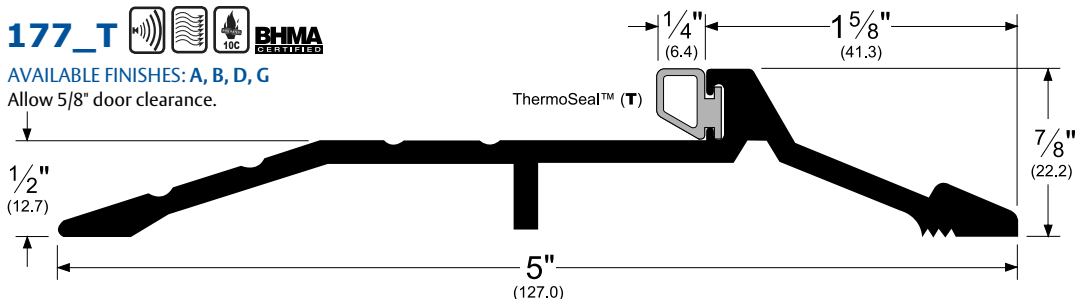
Provided with "J" hook.

Can also be used as an interlock threshold (see Residential Thresholds section).

177_T

AVAILABLE FINISHES: A, B, D, G

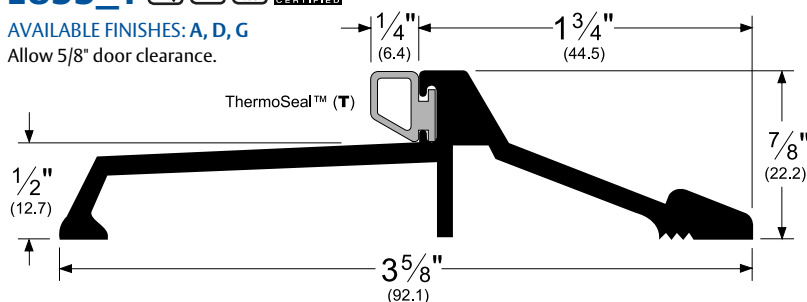
Allow 5/8" door clearance.



1855_T

AVAILABLE FINISHES: A, D, G

Allow 5/8" door clearance.



ALTERNATE INSERTS

277_R



sponge neoprene (R)

Sponge neoprene (R) insert (R6130 class II, grade C material which remains resilient down to -70°F.)

177_P 1855_P



pile (P)

177_V 1855_V



vinyl (V)

159_P 159_V



pile (P) vinyl (V)

NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

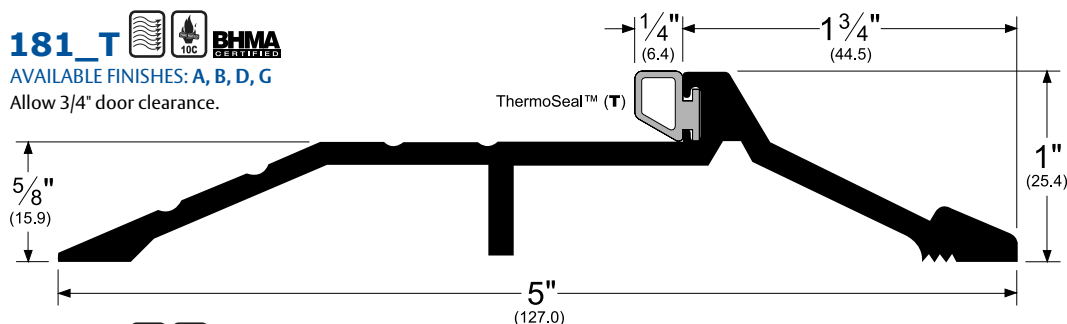
A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)

NOTE: G, SN are available with limited inventory

Latching Panic Exit Saddles (Cont.)

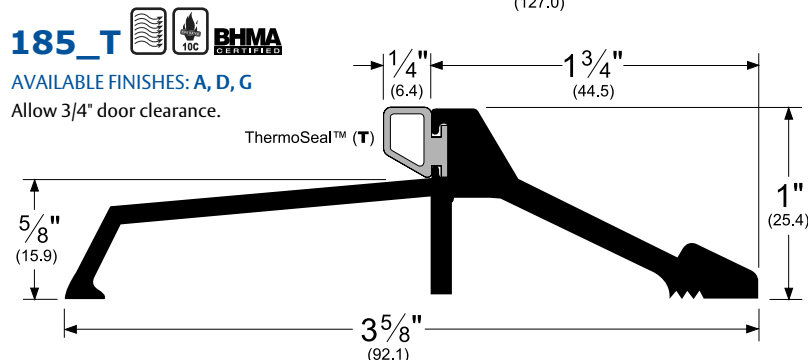
181_T

AVAILABLE FINISHES: A, B, D, G
Allow 3/4" door clearance.



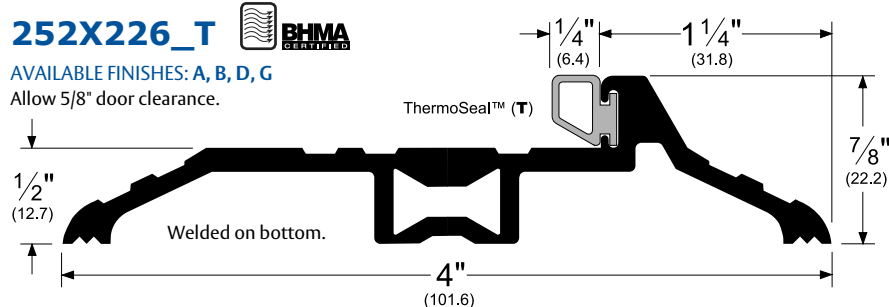
185_T

AVAILABLE FINISHES: A, D, G
Allow 3/4" door clearance.



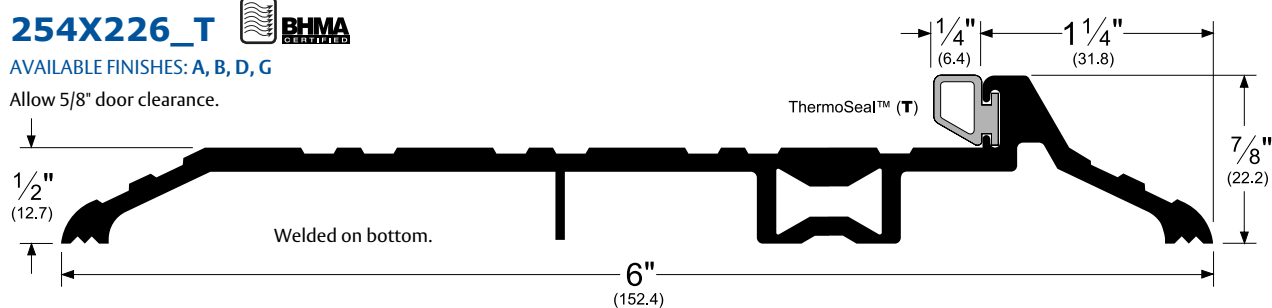
252X226_T

AVAILABLE FINISHES: A, B, D, G
Allow 5/8" door clearance.



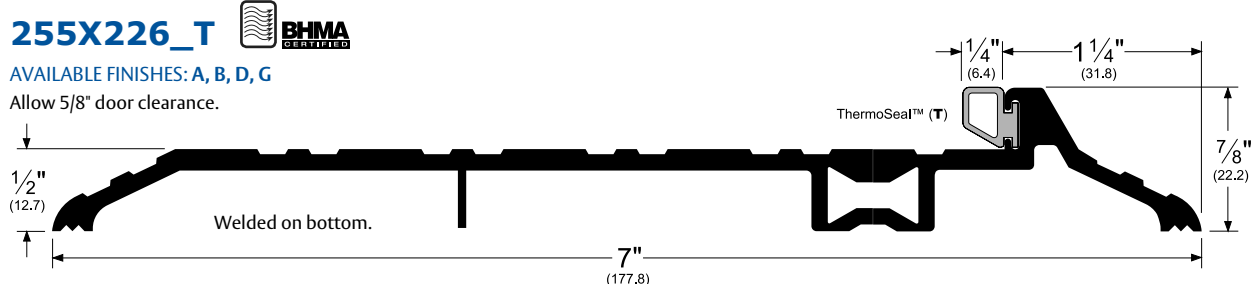
254X226_T

AVAILABLE FINISHES: A, B, D, G
Allow 5/8" door clearance.



255X226_T

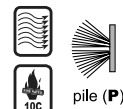
AVAILABLE FINISHES: A, B, D, G
Allow 5/8" door clearance.



NOTE: Products shown in this section may not be drawn to scale.

ALTERNATE INSERTS

181_P
185_P



181_V
185_V



252X226_P
254X226_P
255X226_P



252X226_V
254X226_V
255X226_V



* Vinyl products are not BHMA certified

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • D (Dark Bronze Anodized) • G (Gold Anodized)

NOTE: G, SN are available with limited inventory

COMMERCIAL THRESHOLDS

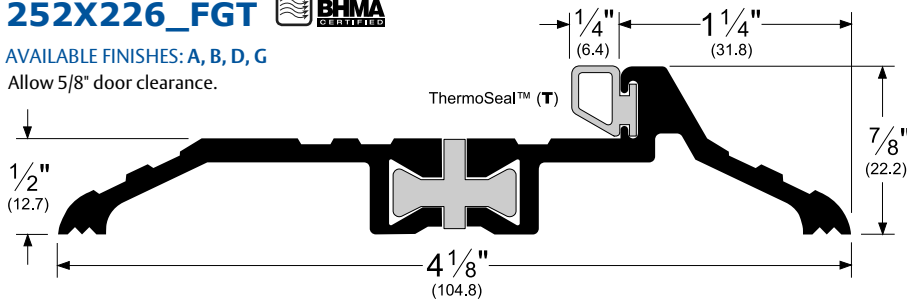
Latching Panic Exit Saddles - Thermal Barrier

- Black rigid vinyl key between extrusions provides thermal barrier (designated by "FG" Frost Guard following finish code).
- Used in conjunction with surface applied vertical rod exit device, or as a stop and a seal at the bottom of door.
- These units are not welded.

252X226_FGT



AVAILABLE FINISHES: A, B, D, G
Allow 5/8" door clearance.



ALTERNATE INSERTS

252X226_FGP
253X226_FGP
254X226_FGP
255X226_FGP



ONLY



pile (P)

252X226_FGV
253X226_FGV
254X226_FGV
255X226_FGV



ONLY



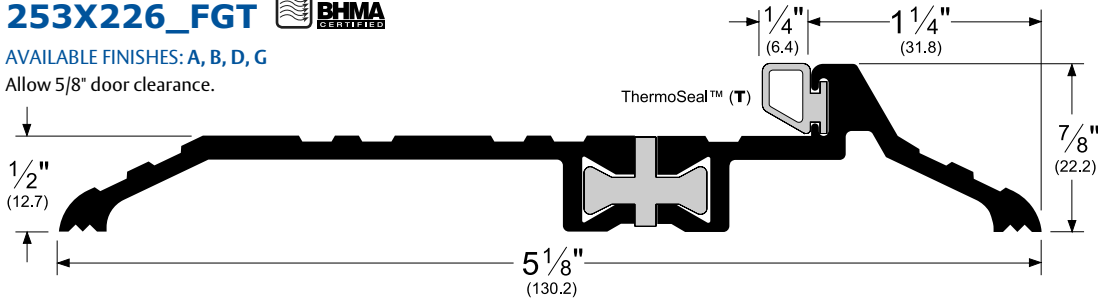
vinyl (V)

Vinyl products are not BHMA certified.

253X226_FGT



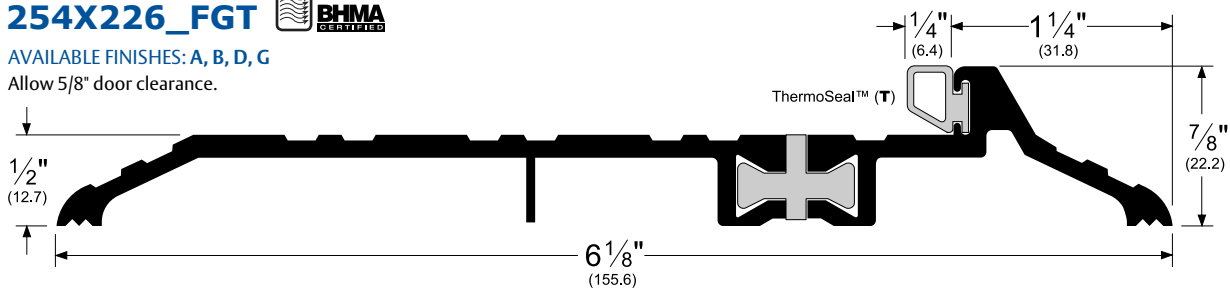
AVAILABLE FINISHES: A, B, D, G
Allow 5/8" door clearance.



254X226_FGT



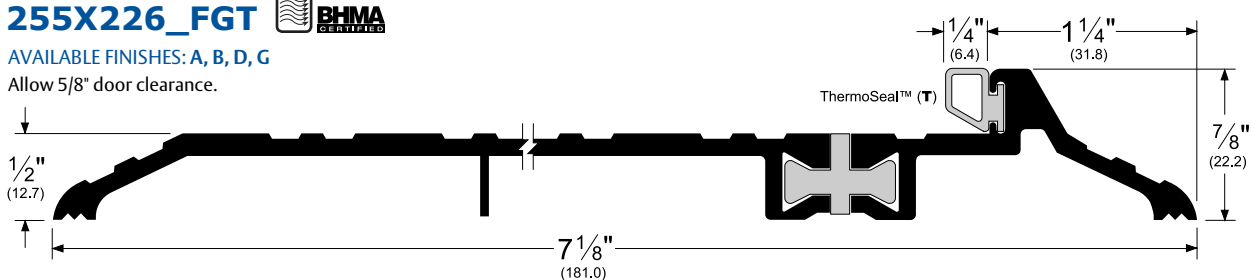
AVAILABLE FINISHES: A, B, D, G
Allow 5/8" door clearance.



255X226_FGT



AVAILABLE FINISHES: A, B, D, G
Allow 5/8" door clearance.



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • D (Dark Bronze Anodized) • G (Gold Anodized)

NOTE: G, SN are available with limited inventory

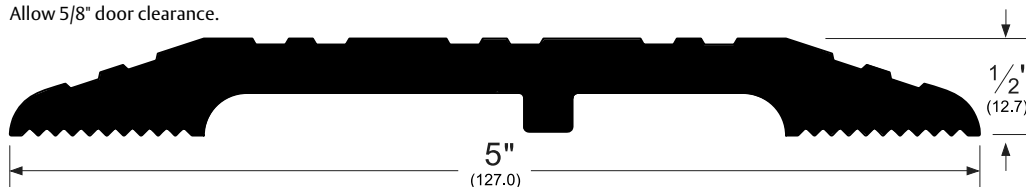
Heavy Duty Thresholds

- Ideal for heavy-duty, high-traffic and high weight-bearing applications, such as industrial facilities, schools, cafeterias, manufacturing buildings and hospitals.
- Withstands coastal and high-humidity conditions.
- Ultra-durable, extra thick extruded nickel-aluminum construction is guaranteed for ten (10) years.

1715_

AVAILABLE FINISHES: A, AK, D

Allow 5/8" door clearance.



All items on this page are available with PemKote™ non-slip coating (see General Information section). Please specify "PemKote™" when ordering. Please furnish drilling instructions when ordering PemKote™ as it is difficult to drill through this coating.

Modular Heavy Duty Thresholds

- Modular construction allows threshold to fit openings up to 15" wide without the expense of custom cast thresholds. There is no restriction on width additions (in 1" increments).

1716_

AVAILABLE FINISHES: A, AK, D

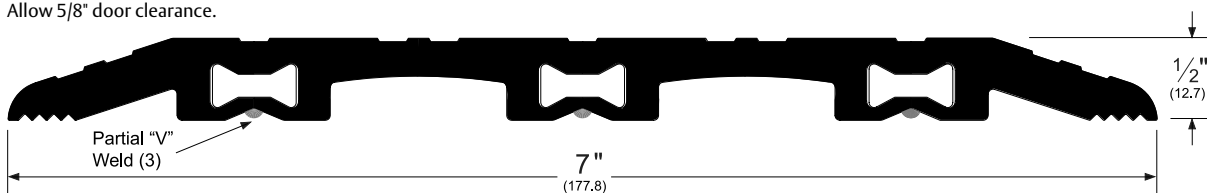
Allow 5/8" door clearance.



1717_

AVAILABLE FINISHES: A, AK, D

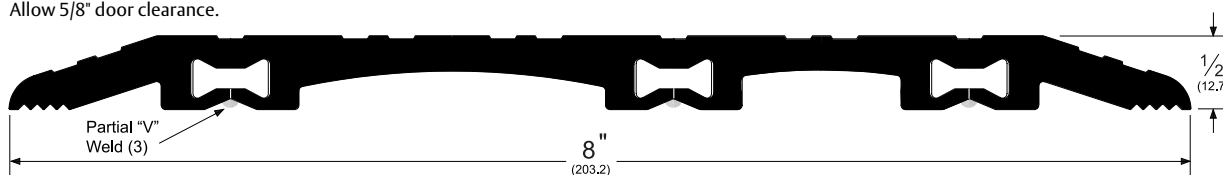
Allow 5/8" door clearance.



1718_

AVAILABLE FINISHES: A, AK, D

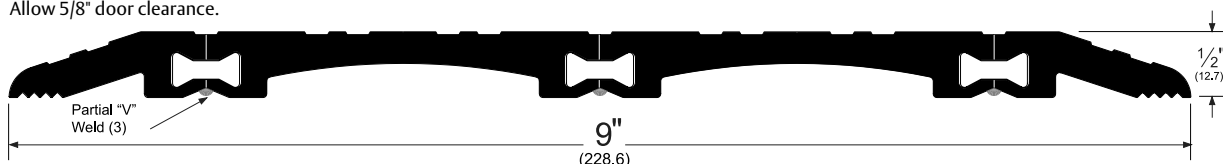
Allow 5/8" door clearance.



1719_

AVAILABLE FINISHES: A, AK, D

Allow 5/8" door clearance.



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • AK (Mill Finish Aluminum w/PemKote™ Non-Slip Coating)

D (Dark Bronze Anodized) is a special finish available upon request • NOTE: G, SN are available with limited inventory

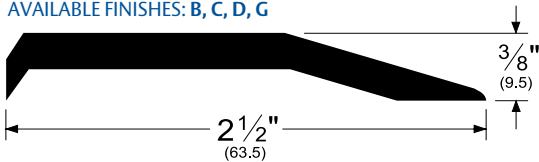
COMMERCIAL THRESHOLDS

Carpet Separators

- Pemko can fabricate other carpet threshold configurations by ripping 1/2" saddles. Contact factory for options.

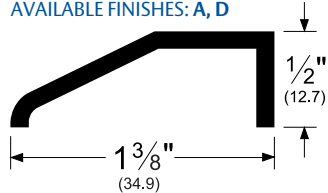
174_

AVAILABLE FINISHES: B, C, D, G



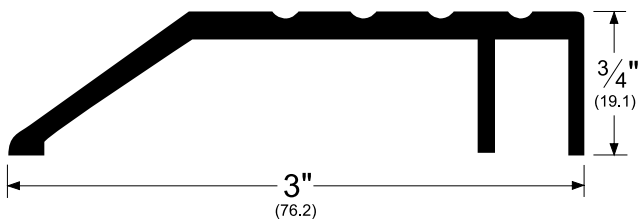
1951_

AVAILABLE FINISHES: A, D



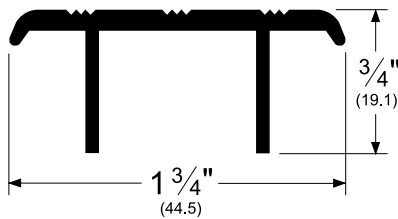
230_

AVAILABLE FINISHES: A, D, G



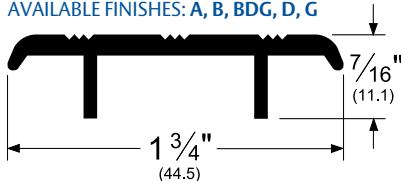
246_

AVAILABLE FINISHES: A, D



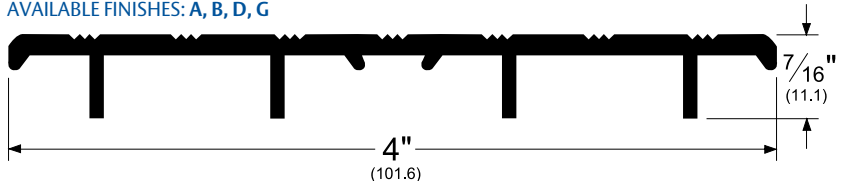
236_ Barrier-free over carpet.

AVAILABLE FINISHES: A, B, BDG, D, G



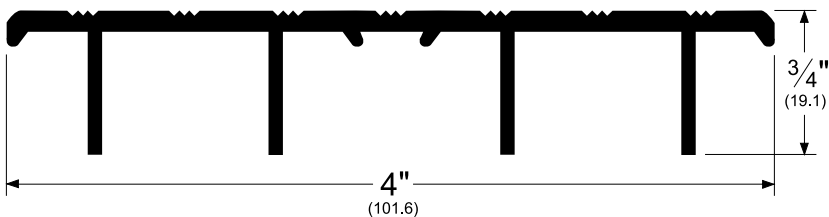
2364_ Barrier-free over carpet.

AVAILABLE FINISHES: A, B, D, G



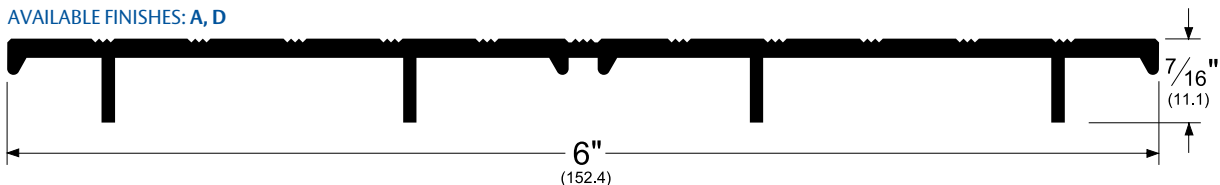
2464_

AVAILABLE FINISHES: A, D, G



2366_ Barrier-free over carpet.

AVAILABLE FINISHES: A, D



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized)
C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) NOTE: G, SN are available with limited inventory

MODULAR RAMPS

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Modular Ramp Threshold Assemblies - Flush Applications

- Assemblies accommodate 1/2" to 2-1/4" floor offsets in meeting the 1:12 slope requirements of the "Americans with Disabilities Act". Even higher offsets can be accommodated by using the risers, **RAMP13_** and **RAMP14_**.
- Pemko highly recommends our specially designed miter returns. "MR" in a product number denotes that one-pair of miter returns (and one-pair of miter return extenders, if applicable) are included. Otherwise, we recommend filling and feathering the threshold ends with grout. Do not leave threshold ends open.
- Miter Returns are available for offsets up to 2-1/4".

PemKote™ is highly recommended for all threshold assemblies, especially exterior conditions where moisture may be present. PemKote™ can be applied to any finish.



Only with PemKote™
Non-Slip Coating

1/2" FLOOR OFFSET



R.5F_
R.5FMR_**

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 6-1/8"
OF COMPONENTS: 1

3/4" FLOOR OFFSET



R.75F_
R.75FMR_**

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 9-1/4"
OF COMPONENTS: 2

1" FLOOR OFFSET



R1F_
R1FMR_**

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 12-3/8"
OF COMPONENTS: 2

1-1/4" FLOOR OFFSET



R1.25F_
R1.25FMR_**

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 15-1/2"
OF COMPONENTS: 3

1-1/2" FLOOR OFFSET



R1.5F_
R1.5FMR_**

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 18-5/8"
OF COMPONENTS: 3

1-3/4" FLOOR OFFSET



R1.75F_
R1.75FMR_**

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 21-3/4"
OF COMPONENTS: 4

2" FLOOR OFFSET



R2F_
R2FMR_**

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 24-7/8"
OF COMPONENTS: 4

2-1/4" FLOOR OFFSET

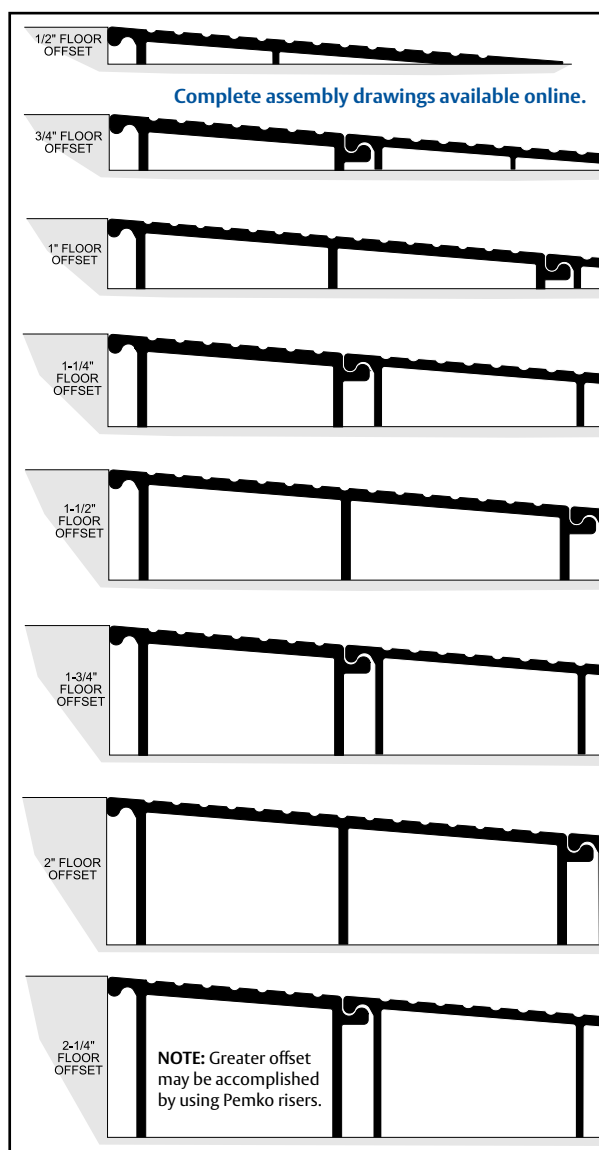
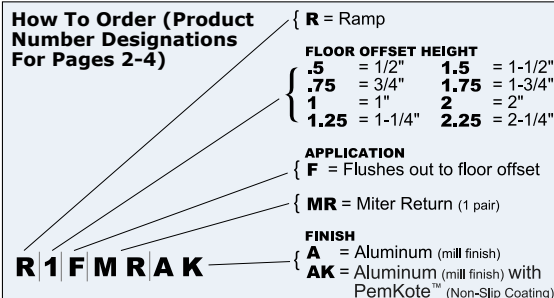


R2.25F_
R2.25FMR_**

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH: 28"
OF COMPONENTS: 5

** = Miter Returns are not ADA Compliant

How To Order (Product Number Designations For Pages 2-4)



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • AK (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

Note: PemKote™ (K) Non-Slip Coating can be added to any finish.

Modular Ramp Threshold Assemblies Offset Applications (7" Top Plate)

- Assemblies accommodate 1/2" to 2-1/4" floor offsets in meeting the 1:12 slope requirements of the "Americans with Disabilities Act". Even higher offsets can be accommodated by using the risers **RAMP13_** and **RAMP14_**.
- Assemblies allow for custom fabrication (i.e. notching, side access extensions, etc.); please consult Pemko Customer Service.
- Assemblies are provided NET length.
- Miter Returns are available for offsets up to 2-1/4".
- Pemko highly recommends our specially designed miter returns. "MR" in a product number denotes that one-pair of miter returns (and one-pair of miter return extenders, if applicable) are included. Otherwise, we recommend filling and feathering the threshold ends with grout. Do not leave threshold ends open.
- Assemblies are supplied with #10 stainless steel wood screws. Stainless steel machine screws and expansion shields are available at an extra cost.

PemKote™ is highly recommended for all threshold assemblies, especially exterior conditions where moisture may be present. PemKote™ can be applied to any finish.



Only with PemKote™
Non-Slip Coating

1/2" FLOOR OFFSET



R.50S_
R.50SMR_ **

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 16-1/4"
OF COMPONENTS: 3

3/4" FLOOR OFFSET



R.750S_
R.750SMR_ **

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 19-3/8"
OF COMPONENTS: 3

1" FLOOR OFFSET



R10S_
R10SMR_ **

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 22-1/2"
OF COMPONENTS: 4

1-1/4" FLOOR OFFSET



R1.250S_
R1.250SMR_ **

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 25-5/8"
OF COMPONENTS: 4

1-1/2" FLOOR OFFSET



R1.50S_
R1.50SMR_ **

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 28-3/4"
OF COMPONENTS: 5

1-3/4" FLOOR OFFSET



R1.750S_
R1.750SMR_ **

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 31-7/8"
OF COMPONENTS: 5

2" FLOOR OFFSET



R20S_
R20SMR_ **

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 35"
OF COMPONENTS: 6

** = Miter Returns are not ADA Compliant

* Assembly length includes 7" top plate.



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • AK (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

Note: PemKote™ (K) Non-Slip Coating can be added to any finish.



Modular Ramp Threshold Assemblies Offset Applications (3-1/2" Top Plate)

- Assemblies accommodate 1/2" to 2-1/4" floor offsets in meeting the 1:12 slope requirements of the "Americans with Disabilities Act". Even higher offsets can be accommodated by using the risers, **RAMP13_** and **RAMP14_** (see page 54).
- Pemko highly recommends our specially designed miter returns. "MR" in a product number denotes that one-pair of miter returns and one-pair of miter return extenders, if applicable) are included. Otherwise, we recommend filling and feathering the threshold ends with grout. Do not leave threshold ends open.
- Miter Returns are available for offsets up to 2-1/4".
- Assemblies are supplied with #10 stainless steel wood screws. Stainless steel machine screws and expansion shields are available at an extra cost.
- Assemblies allow for custom fabrication (i.e. notching, side access extensions, etc.); please consult Pemko customer service.
- Assemblies are provided NET length.

PemKote™ is highly recommended for all threshold assemblies, especially exterior conditions where moisture may be present. PemKote™ can be applied to any finish.



Only with PemKote™ Non-Slip Coating

1/2" FLOOR OFFSET



R.5OSS_
R.5OSSMR_ **

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 12-3/4"
OF COMPONENTS: 3

3/4" FLOOR OFFSET



R.75OSS_
R.75OSSMR_ **

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 15-7/8"
OF COMPONENTS: 3

1" FLOOR OFFSET



R1OSS_
R1OSSMR_ **

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 19"
OF COMPONENTS: 4

1-1/4" FLOOR OFFSET



R1.25OSS_
R1.25OSSMR_ **

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 22-1/8"
OF COMPONENTS: 4

1-1/2" FLOOR OFFSET



R1.5OSS_
R1.5OSSMR_ **

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 25-1/4"
OF COMPONENTS: 5

1-3/4" FLOOR OFFSET



R1.75OSS_
R1.75OSSMR_ **

AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 28-3/8"
OF COMPONENTS: 5

2" FLOOR OFFSET

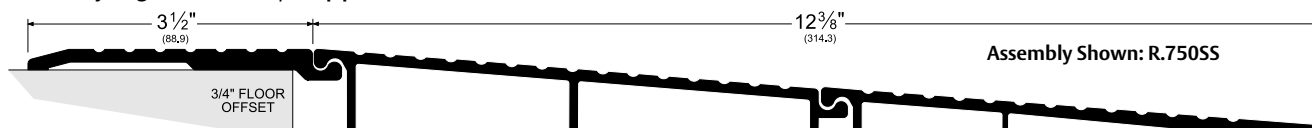


R2OSS_
R2OSSMR_ **

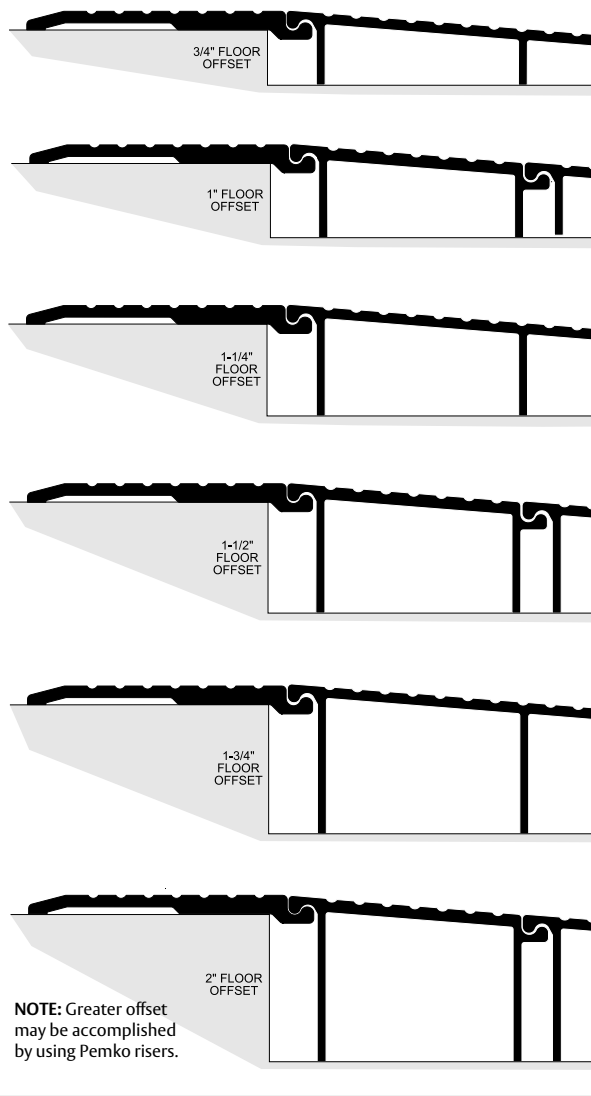
AVAILABLE FINISHES: **A, AK**
ASSEMBLY LENGTH*: 31-1/2"
OF COMPONENTS: 6

** = Miter Returns are not ADA Compliant

* Assembly length includes 3-1/2" top plate.



Complete assembly drawings available online.




▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

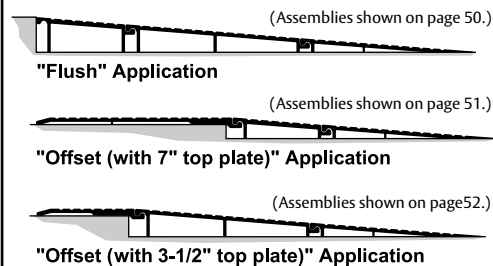
A (Mill Finish Aluminum) • AK (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

Note: PemKote™ (K) Non-Slip Coating can be added to any finish.

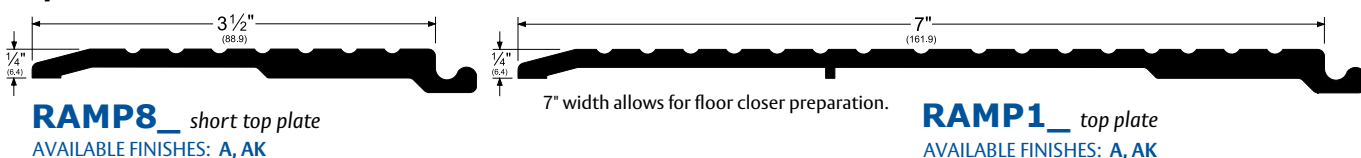
Modular Ramp Threshold Components

- These are the “building blocks” which make up the assemblies. Components are generally sold as part of assemblies.
- Assemblies consist of interlocking components, eliminating the need to weld joints. Our interlocking ball-joint design allows each component to flex and conform to uneven surfaces.
- Available with cast aluminum miter returns.
- **NOTE:** The following pages are for component identification only. Do not order from these pages. Order only complete assemblies from pages 50-52.
- PemKote™ is highly recommended for all threshold assemblies, especially exterior conditions where moisture may be present. PemKote™ can be applied to any finish.
- All assemblies carry the following labels: 

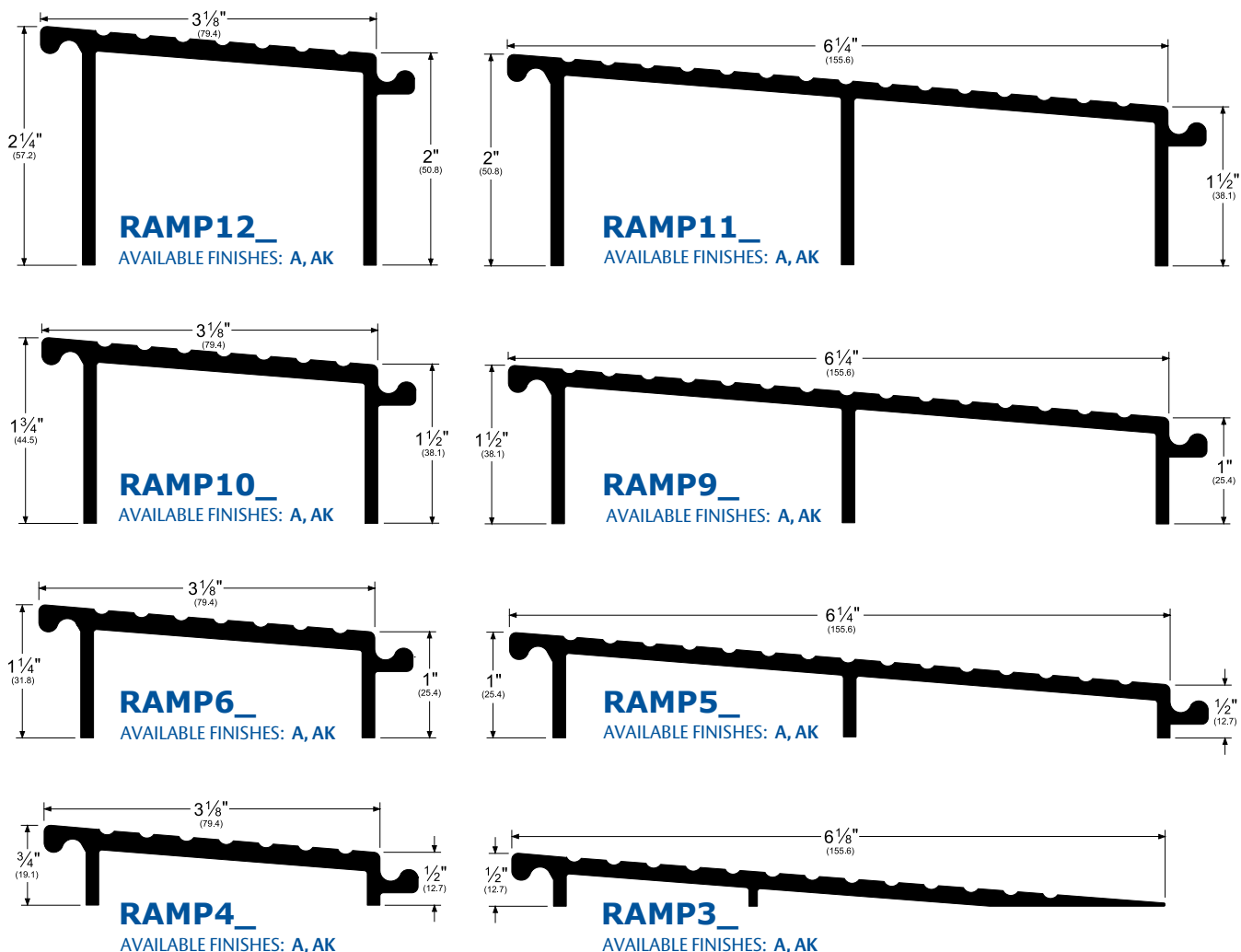
Assembly Examples



Top Plates



Bridges






▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • AK (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

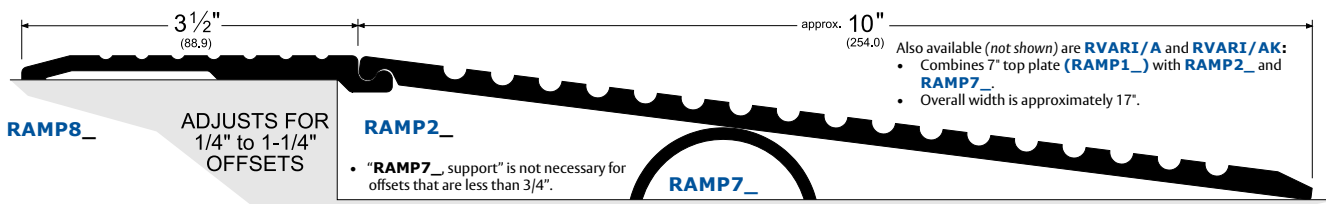
Note: PemKote™ (K) Non-Slip Coating can be added to any finish.

Modular Ramp Threshold Assemblies - Variables

- Use a "Variable" to accommodate offsets from 1/2" to 1-1/4". These meet the 1:8 maximum slope allowance (ADA) for existing buildings.
- May require a variance from some state building codes, even though ADA compliant.
- Ideal for use in cross traffic corridors where a minimal ramp projection may be required and a steeper slope may be allowed.
- Supplied with #10 stainless steel wood screws. Stainless steel machine screws and expansion shields are available at an extra cost.
- Due to the variable angle of this ramp, miter returns are not available. Please fill and feather the threshold ends with grout. Do not leave threshold ends open.
- This variable ramp is sent un-drilled from Pemko. Due to the variance in the angle, it must be drilled in the field. For proper installation, it requires the **RAMP7_** to be placed under **RAMP2_** after the assembly is in place, then must be match drilled and anchored through both components.
- PemKote™ is highly recommended for all threshold assemblies especially exterior conditions where moisture may be present. PemKote™ can be applied to any finish.
- All assemblies carry the following labels:   

RVARIOSS_

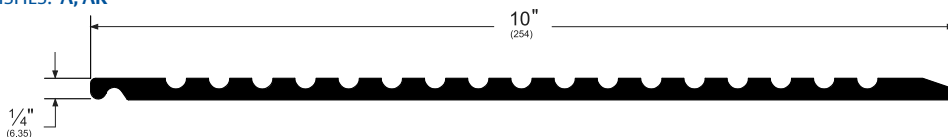
AVAILABLE FINISHES: A, AK



Variable Ramp Components

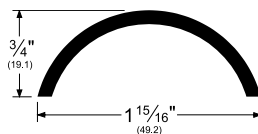
RAMP2_ variable

AVAILABLE FINISHES: A, AK



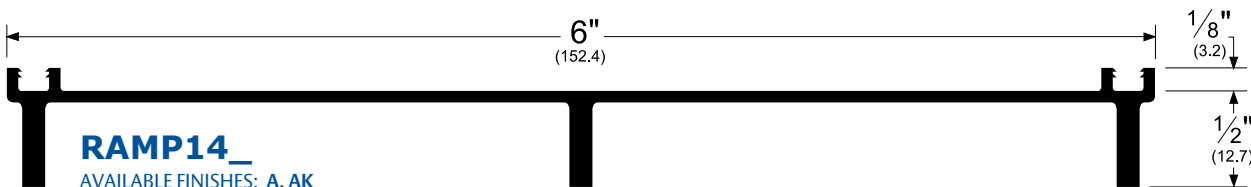
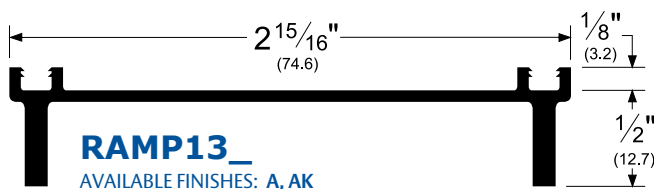
RAMP7_ support for variable

AVAILABLE FINISHES: A, AK



Risers for Modular Ramps

- Risers easily attach to the leg of Pemko's Modular Ramp Systems. Each adds 1/2" in height to accommodate offsets greater than 2-1/4".
- Contact Pemko for information on stacking risers to reach desired height.
- Miter Returns are available for ramp systems up to 2-1/4" high.



NOTE: Products shown in this section are not drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • AK (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

Note: PemKote™ (K) Non-Slip Coating can be added to any finish.

Miter Returns For All Modular Ramp Thresholds

WING10 Profile Drawings and "Cut Down" Information

- Cast aluminum "wings" fit into each end of modular ramp threshold assembly, and are fastened to ramp mid sections with self-tapping machine screws.
- Neat, compact, and tight-fitting design replaces former mitering methods: reduces the need for costly and time-consuming grouting (filling and feathering the threshold ends), and eliminates previous custom miters which were welded and protruding
- Miter Returns are now available in three sizes: **WING10_H**, **WINGEXT_H**, and **WING16_H**.
- **WINGEXTs** are now included in order to completely fill ramp assembly ends for up to 2" offset or 2-1/4" flush conditions. **WINGEXTs** work in conjunction with complete **WING16s** for these higher offset conditions.
- Miter Returns are match drilled with each assembly.
- **WING10RH** (right-hand) drawings are shown here (see page 56).
- **WING10s** can be trimmed to fit the run of a ramp assembly. For example, the dotted lines on these drawings show the cut down for use with **R.5FMRA** or **R.5FMRAK**.
- Cut downs for **WING10** pairs for use with specific assemblies are as follows:
R.5FMRA and **R.5FMRAK** – Cut down to approximately 6-1/8".
R.75FMRA and **R.75FMRAK** – Cut down to approximately 9-1/4".
R.50SMRA, **R.50SMRAK**, **R.50SSMRAK** and **R.50SSMRAK** – Cut down to approximately 9-1/2".

WING10_H_

AVAILABLE FINISHES: A, AK

WING16 Profile Drawings and "Cut Down" Information

- **WING16RH** (right-hand) drawings are shown here (see page 56).
- **WING16s** can be trimmed to fit the run of a ramp assembly. For example, the dotted lines on these drawings show the cut down for use with **R1FMRA** or **R1FMRAK**.
- Cut downs for **WING16** pairs for use with specific assemblies are as follows:
R1FMRA and **R1FMRAK** – Cut down to approximately 12-3/8".
R1.25FMRA and **R1.25FMRAK** – Cut down to approximately 15-1/2".
R.750SMRA, **R.750SMRAK**, **R.750SSMRAK** and **R.750SSMRAK** – Cut down to approximately 12-5/8".
R10SMRA, **R10SMRAK**, **R10SSMRAK** and **R10SSMRAK** – Cut down to approximately 15-3/4".

WING16_H_

AVAILABLE FINISHES: A, AK

WING EXT Profile Drawings and "Cut Down" Information

- **WINGEXTRH** (right-hand) drawings are shown here (see page 56).
- **WINGEXTs** are now included in order to completely fill threshold assembly ends for up to 2" offset or 2-1/4" flush conditions. **WINGEXTs** work in conjunction with complete **WING16s** for these higher offset conditions.
- Cut downs for **WINGEXT** pairs for use with specific assemblies are as follows:
 - **R1.5FMRA** and **R1.5FMRAK** – Use complete **WING16s** and cut down **WINGEXTs** to approximately 2-5/8".
 - **R1.75FMRA** and **R1.75FMRAK** – Use complete **WING16s** and cut down **WINGEXTs** to approximately 5-3/4".
 - **R2FMRA** and **R2FMRAK** – Use complete **WING16s** and cut down **WINGEXTs** to approximately 8-7/8".
 - **R2.25FMRA** and **R2.25FMRAK** – Use complete **WING16s** and complete **WINGEXTs**.
 - **R1.250SMRA**, **R1.250SMRAK**, **R1.250SSMRA** and **R1.250SSMRAK** – Use complete **WING16s** and cut down **WINGEXTs** to approximately 2-7/8".
 - **R1.50SMRA**, **R1.50SMRAK**, **R1.50SSMRA** and **R1.50SSMRAK** – Use complete **WING16s** and cut down **WINGEXTs** to approximately 6".
 - **R1.750SMRA**, **R1.750SMRAK**, **R1.750SSMRA** and **R1.750SSMRAK** – Use complete **WING16s** and cut down **WINGEXTs** to approximately 9-1/8".
 - **R20SMRA**, **R20SMRAK**, **R20SSMRA** and **R20SSMRAK** – Use complete **WING16s** and complete **WINGEXTs**.

WINGEXT_H_

AVAILABLE FINISHES: A, AK

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

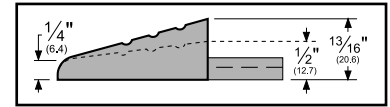
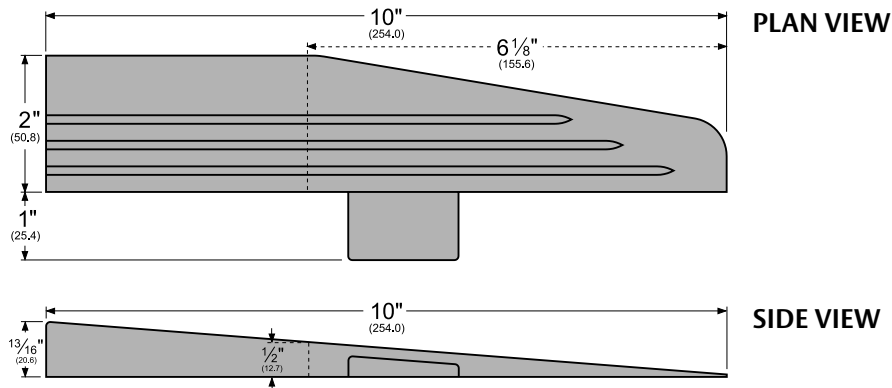
A (Mill Finish Aluminum) • AK (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

Note: PemKote™ (K) Non-Slip Coating can be added to any finish.

MODULAR RAMPS

WING10_H_

AVAILABLE FINISHES: A, AK

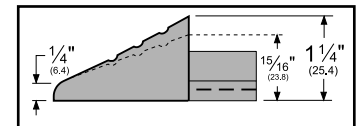
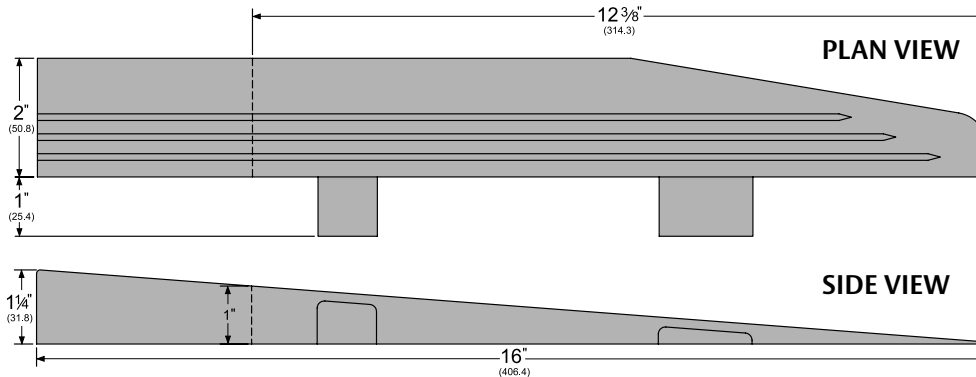


END VIEW

- Shown as viewed from the high end.

WING16_H_

AVAILABLE FINISHES: A, AK

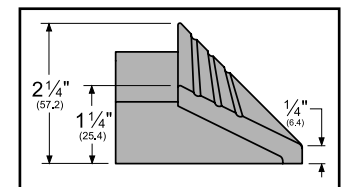
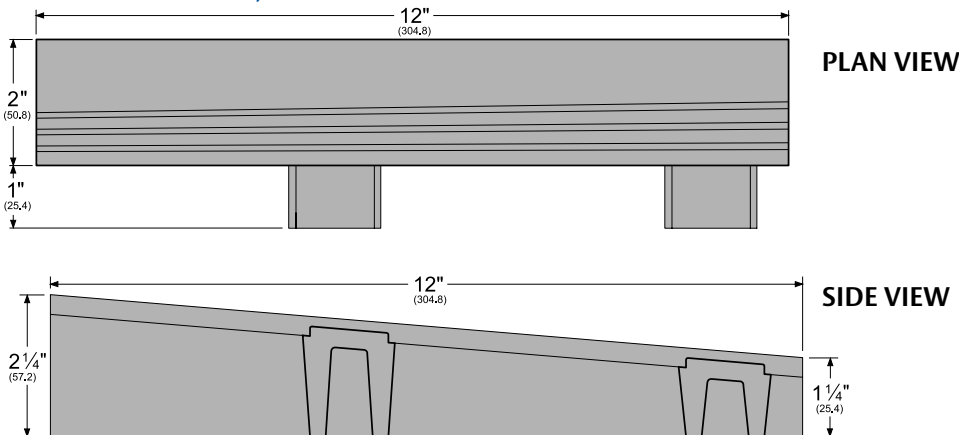


END VIEW

- Shown as viewed from the high end.

WINGEXT_H_

AVAILABLE FINISHES: A, AK



END VIEW

- Shown as viewed from the low end.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • AK (Mill Finish Aluminum with PemKote™ Non-Slip Coating)

Note: PemKote™ (K) Non-Slip Coating can be added to any finish.

Barrier-Free Ramp Thresholds

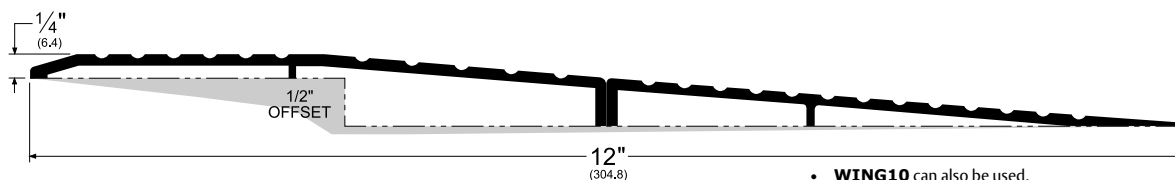
- The modular ramp thresholds (see pages 50-52) are an improvement over the **257/259** however, **257/259** will remain available for special requirements.
- Use **257_** and **259_** together (shown at top), or use **257_** with an abutted 1:12 concrete slope.
- When used as a cover plate assembly (see Commercial Thresholds section), a longer spindle may be required.
- The **257_** is not ADA compliant when used alone.
- PemKote™ is highly recommended for all threshold assemblies, especially exterior conditions where moisture may be present. PemKote™ can be applied to any finish.



**ADA
COMPLIANT
BARRIER-FREE
RAMP THRESHOLDS**

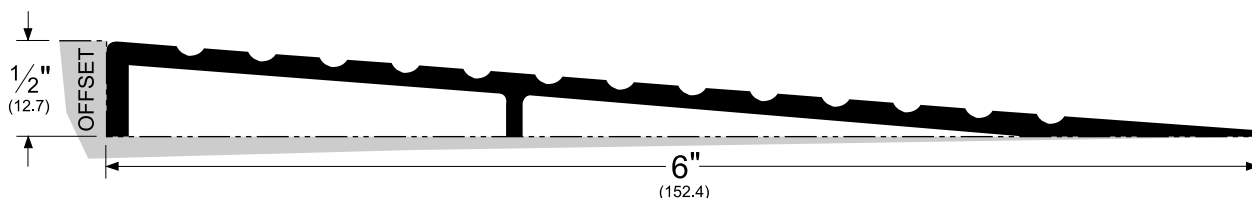
257 x 259_ **BHMA CERTIFIED**

AVAILABLE FINISHES: A, B, D, G



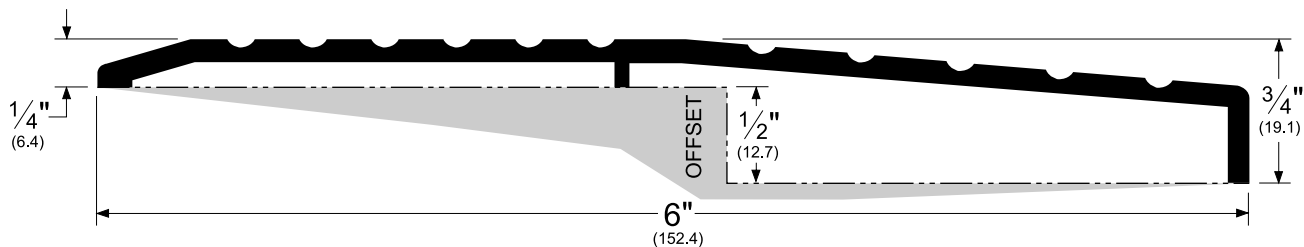
259_ **BHMA CERTIFIED**

AVAILABLE FINISHES: A, B, D, G



257_ **BHMA CERTIFIED**

AVAILABLE FINISHES: A, B, D, G



NOTE: Products shown in this section are not drawn to scale.

▲ **AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE** (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • D (Dark Bronze Anodized) • G (Gold Anodized)

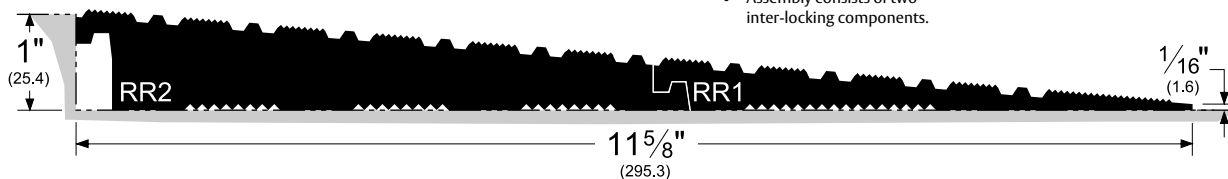
Note: PemKote™ (K) Non-Slip Coating can be added to any finish.

Fire Retardant and Recycled Rubber Ramp Thresholds

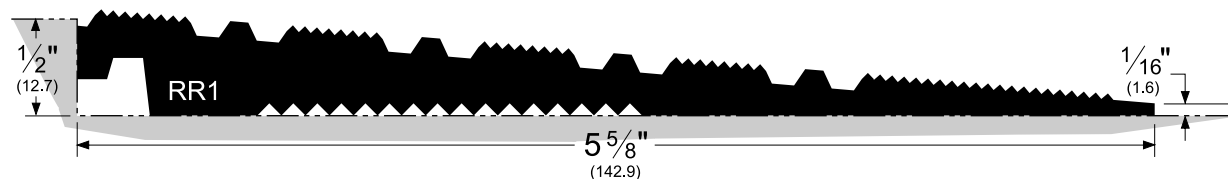
- Rubber ramps meet the requirements of ADAAG-2002; CABO/ANSI A117.1-2003; UBC; and California Title 24, Part 2.
- Rubber ramps are extruded from styrene butadiene rubber, a long-lasting, weather and ozone-resistant, abrasion and impact-resistant, and fire retardant material.
- Part numbers are designated according to the following example: **SBR1F** – “SBR” refers to styrene butadiene rubber. “1” refers to the offset height to which the part flushes-out “F”.
- Rubber ramps are sold in one foot increments up to 15-foot lengths.
- Rubber ramps can be butted together for longer lengths.
- Rubber ramps are cut square on each end but are available with molded rubber miter returns which can be glued to each end for a more pleasing appearance. To receive a pair of miter returns, add “MR” to the part number (example: **SBR.5FMR**).
- Rubber ramps have a superior grip, anti-slip surface and a “no bump” tapered lead edge. Rubber ramps are classified by Underwriters Laboratories, Inc.,® as a skid-resistant floor surface per **UL standard for safety, UL410**. Rubber ramps also meet the requirements of **ASTM D2047** and **Federal Specification P-F-430C**.
- Fire Retardant Rubber ramps are easy to install on most surfaces (including wood, concrete, tile and asphalt), using a construction adhesive. Mechanical fasteners are not required and not recommended.
- Rubber ramps are also portable. For temporary applications, an assembly which has been bonded together but has not been bonded to a base surface, stays in place by its sheer weight and can be removed from one opening and placed at another opening.
- Use **RR200** to glue rubber ramps to floor surfaces.

NOTE: Products shown in this section are not drawn to scale.

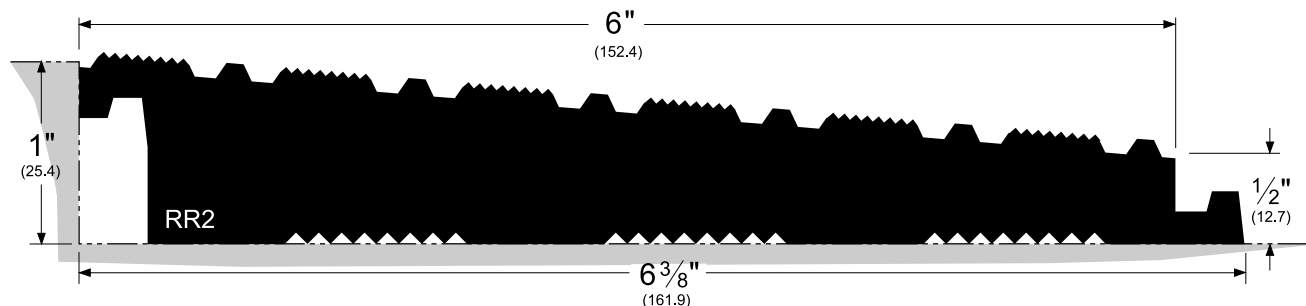
SBR1F SBR1FMR



SBR.5F SBR.5FMR RR1



RR2



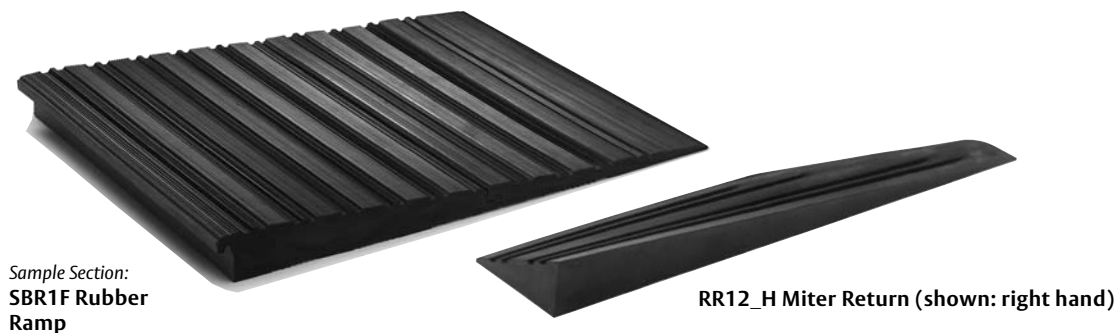
- This component (RR2) is not ADA compliant when used by itself.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

Black

■ Fire Retardant and Recycled Rubber Ramp Thresholds (Cont.)

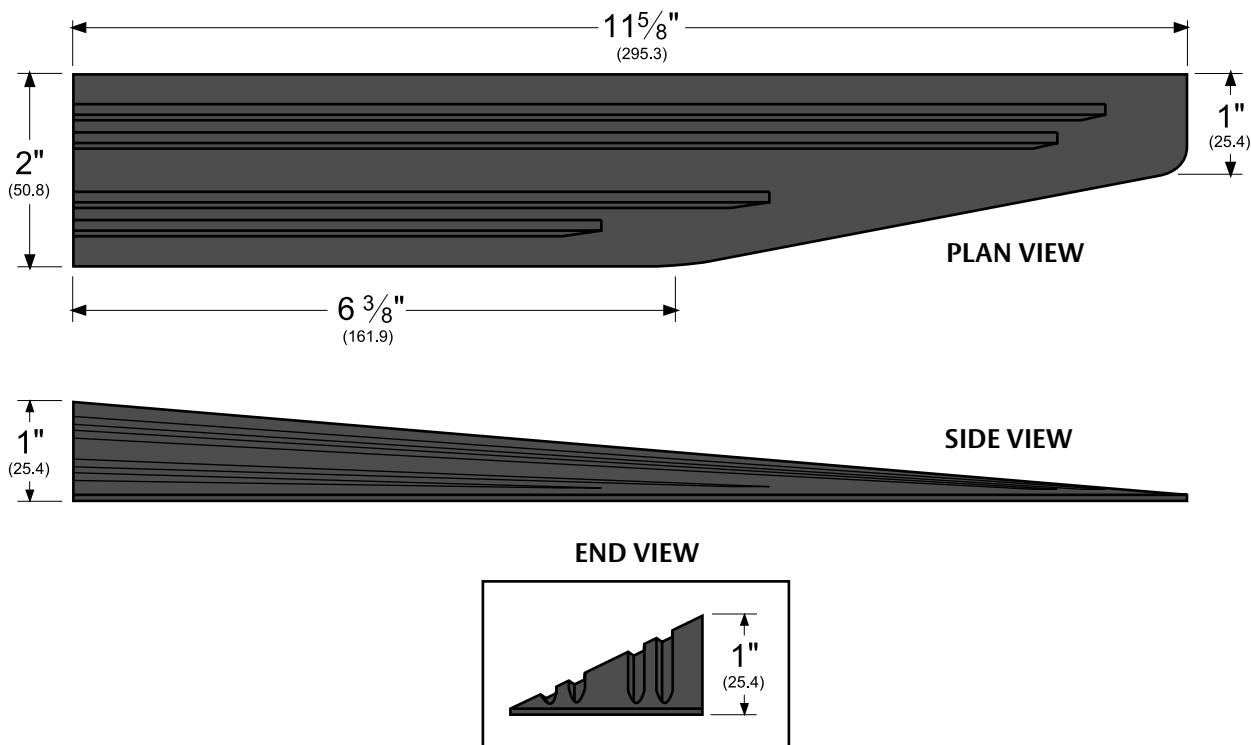
- Rubber ramps are available for 1/2" and 1" offset heights.
- Rubber ramps can be cross-cut to length or ripped to a custom offset height using a table or radial arm saw with a carbide-tipped blade. These modifications must be made in the field.



■ Rubber Ramp Miter Returns

- Miter returns are made from molded styrene butadiene rubber.
- Glue miter returns to each end using an adhesive such as **RR200**.
- Miter Returns are supplied in pairs: one left-hand (**RR12LH**) and one right-hand (**RR12RH**).
- If only one-miter return is required, specify the handing.

RR12_H



- Shown as viewed from the low end.

NOTE: Products shown in this section are not drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

Black

Recycled Rubber Ramp Assembly

Meets or exceeds the following requirements testing:

- UL410
- ASTM D 2047
- Federal Specifications P-F-430C



All Pemko Recycled Rubber Ramps™ are guaranteed for five years against defects in material or workmanship.

ADA COMPLIANT

- Recycled Rubber Ramp Assemblies meet ANSI A117.1-2003

MOLDED FROM 100% RECYCLED RUBBER TIRES

- 20 mesh minus crumb reclaimed rubber with urethane binders.

ENHANCED SKID RESISTANCE WITH OUR EXCLUSIVE DIAMOND WAFFLE PATTERN

- Exceeds the requirements of Underwriters Laboratories, Inc. @ UL Standard 410 "Slip Resistance of Floor Materials."

INSTALLATION IS INEXPENSIVE AND EASY

- Pemko strongly recommends using RR200 to glue rubber ramps to floor surfaces. Liquid Nails must be avoided for use with recycled rubber ramps.

CAN BE FIELD CUT AND COPED

- Using ordinary tools, trim to fit just about any door entry.
- Can be ripped for offsets less than 1-1/4".
- Plane bottom surface of ramp to accommodate irregular surface conditions.

ONE OR TWO PIECE SOLUTION

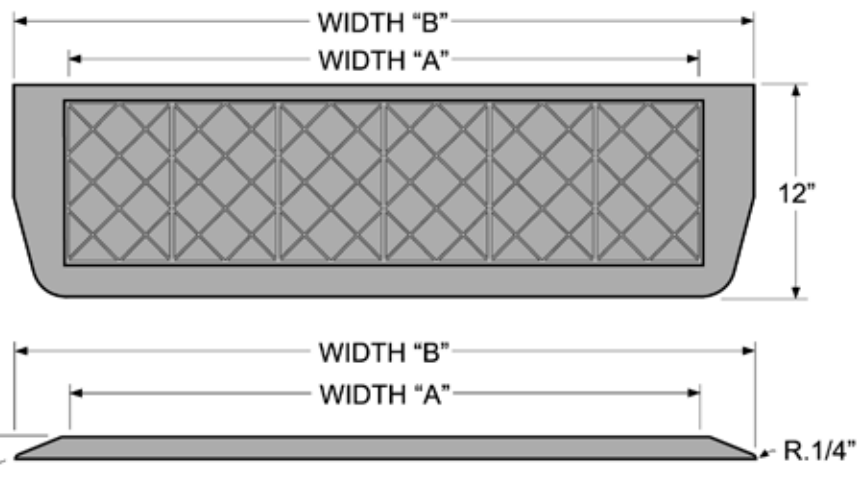
- There is no need for miter returns since they are molded into the design of the Recycled Rubber Ramp.
- 36" and 60" ramps are supplied as one (1) piece assemblies.
- 48" and 72" ramps are supplied as two (2) piece assemblies.

Ordering Chart

- Other sizes are available, please contact Pemko customer service.

| PART # | WIDTH "A" (door opening) | WIDTH "B" (total width) |
|--------------------|-----------------------------|----------------------------|
| RR1.25FMR36 | 36" | 41" |
| RR1.25FMR48 | 48" | 53" |
| RR1.25FMR60 | 60" | 65" |
| RR1.25FMR72 | 72" | 77" |

- Guaranteed for 5 years against defects in material and workmanship.



NOTE: Products shown in this section are not drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

Black

DOOR BOTTOMS

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Low Closing Force Models

- Smoother action positive seal mechanism. All Pemko automatic door bottoms consist of an aluminum case which surrounds a movable drop-bar seal. The drop-bar seal is actuated by a plunger which contacts the jamb as the door is closing, forcing the drop-bar seal down against the floor/threshold. The simple yet practical engineering of the mechanism includes the following features:
 - When the plunger contacts the jamb, the drop-bar seal actuates from multiple compression points.
 - The plunger requires low "FeatherTouch" closing force to actuate the drop-bar seal. The "L" at the end of all product numbers stands for low closing force. Pemko automatic door-bottoms meet pending closing force legislation and codes.
 - The drop-bar seal actuates on the hinge side first (see below).
- All models (except #420) include finned designed seals which are offered in two materials: soft closed cell sponge neoprene (**R**) which remains pliable down to -70°F and PemkoPrene™ thermo-plastic elastomer (**PK**).
- Compressible PemkoPrene™ (**PK**) seal conforms well to the floor / threshold surface; the multi-point contact creates a superior seal.
- Most models are now available with nylon brush (**NB**) seals. The nylon filaments conform extremely well to irregular surfaces such as carpet, stone and grout lines.
- Especially over uneven surfaces, both PemkoPrene™ (**PK**) and nylon brush (**NB**) provide excellent seals to keep out draft, dust, moisture, fumes, light, and sound. Nylon brush also deters insects and rodents.
- All medium duty models are also now available with sponge silicone (**S**) seals.
- All models (except #430 and #412) are non-handed and reversible. Installation is fast and easy because disassembly is not required to change handing: simply flip the automatic door bottom and you've reversed the hand. The clean symmetrical square-shaped case design also provides for even flush mounting.
- The line includes models which can be mounted to either wood or hollow metal doors.
- End plates are provided for all mounting applications.
- All Pemko automatic door bottoms seal up to a 3/4" gap under the door, except 420 and residential models which seal 1/2" maximum.
- Available in any size ranging from 18" to 72".
- All Pemko automatic door bottoms 24" length and above.
- All Pemko automatic door bottoms can be trimmed down by as much as 2" (stock lengths only). If non-stock sizes are ordered, order must note need to trim 2 inches from the size ordered.
- Lead line available upon request; contact Customer Service for options on profiles.

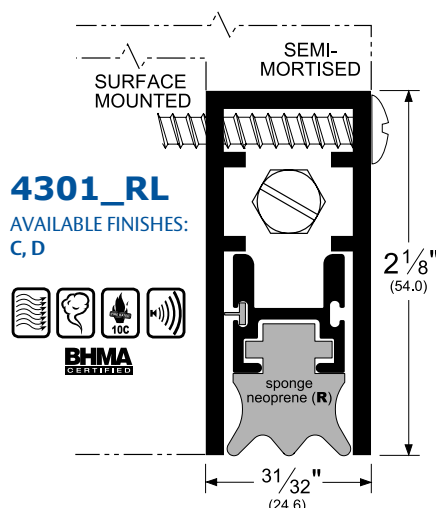
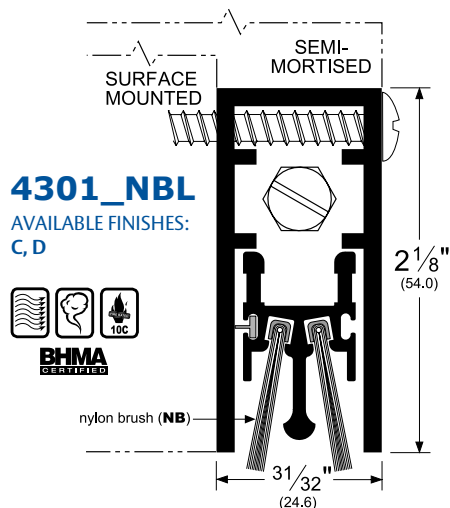
Drop-Bar Seal Actuation

- The patented mechanism (all models) causes the drop-bar seal to always actuate on the hinge side first. This feature prevents the seal from skidding along the floor/threshold while the door is being closed. Door hang up will not occur.

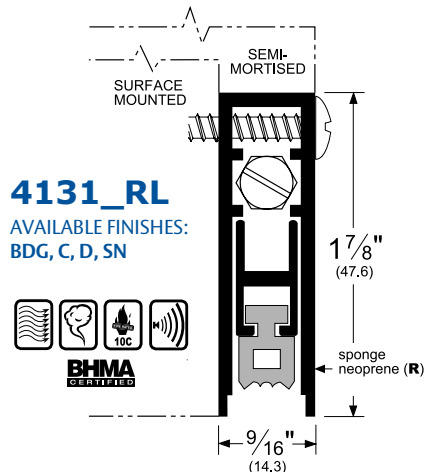
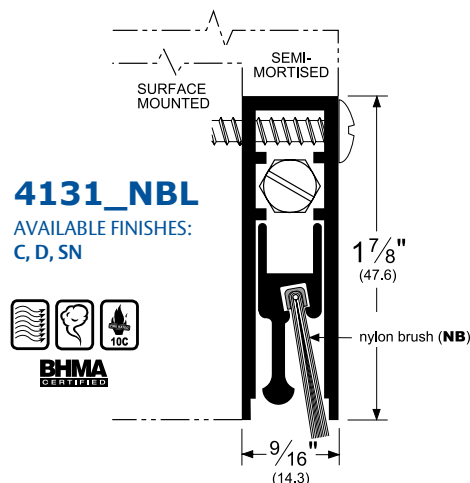
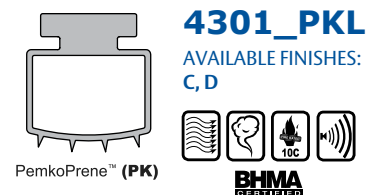


Automatic Door Bottoms - Surface and Semi-Mortise Models

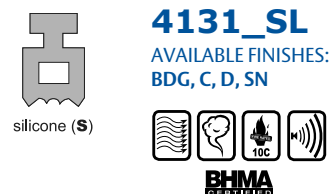
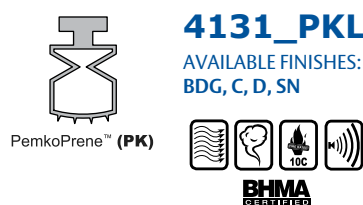
- When ordering, please specify if the automatic door bottom is for a semi-mortise application so that shorter screws can be provided.



ALTERNATE INSERT FOR 4301



ALTERNATE INSERTS FOR 4131



End Plates (4301 and 4131 Models)

- Black nylon end plates are provided with all 4301 and 4131 models to protect the mechanism and to give a clean, aesthetic appearance.
- Plunger end plate prevents the plunger adjustment from rotating.
- End plates keep debris out of the mechanism. Do not tighten with power tool.



4301 (Plunger End Plate)



4301 (End Plate)



4131 (Plunger End Plate)



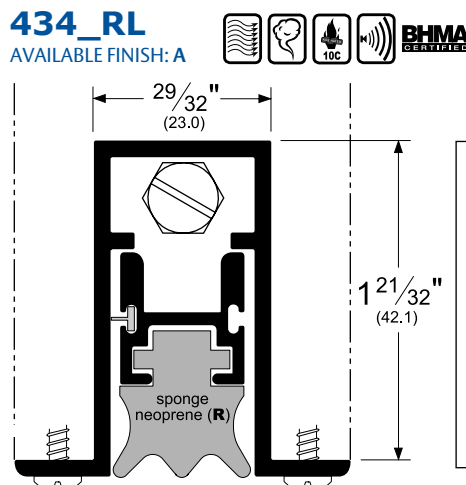
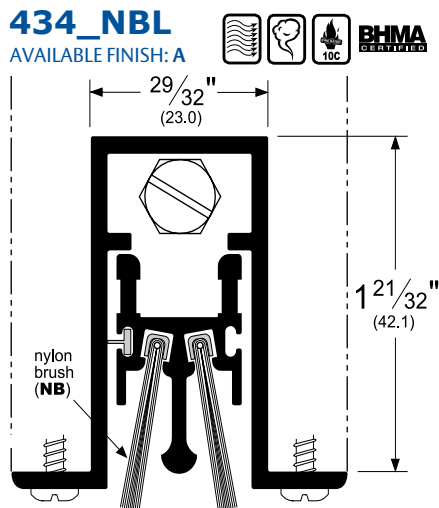
4131 (End Plate)

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

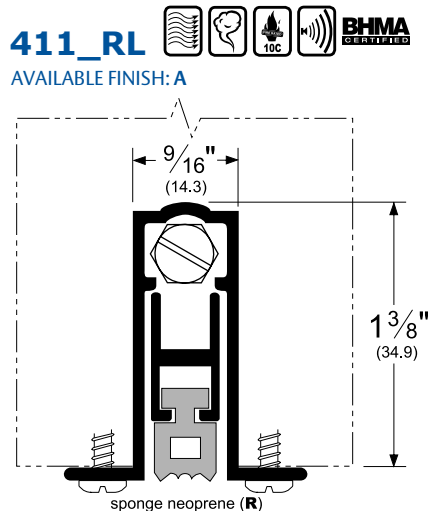
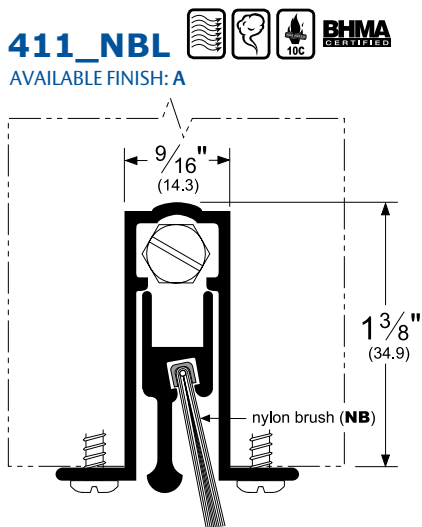
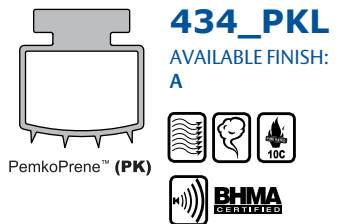
BDG (Bright Dip Gold Anodized) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • SN (Satin Nickel Anodized)

Special finishes available upon request.

Automatic Door Bottoms - Full-Mortise Models



ALTERNATE INSERTS FOR 434

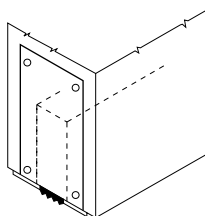


ALTERNATE INSERTS FOR 411

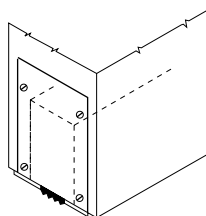


End Plates for 434 and 411 Models

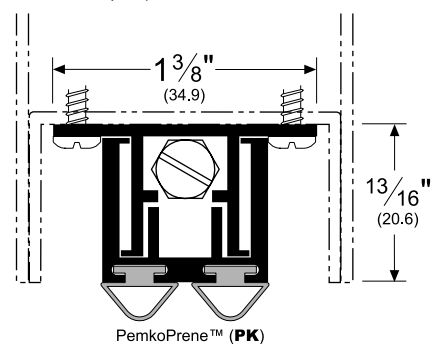
- Aluminum end plates are provided with all 434 and 411 models to protect the mechanism and to give a clean aesthetic appearance.



411 End Plate
Nails included



434 End Plate
Screws included



ALTERNATE INSERTS FOR 420



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

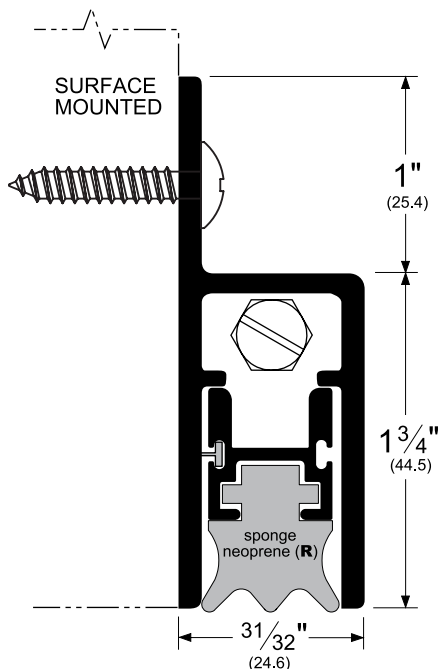
A (Mill Finish Aluminum)

Automatic Door Bottoms - Handed Surface and Semi-Mortise Models

- These models have all the same features as the 4301 and the 4131 except that these are handed, and disassembly of the mechanism is required to reverse the hand.
- For easy non-handed installation, Pemko recommends using the 4301 rather than the 430, and the 4131 rather than the 412. The 4301 and 4131 are shown on page 63.

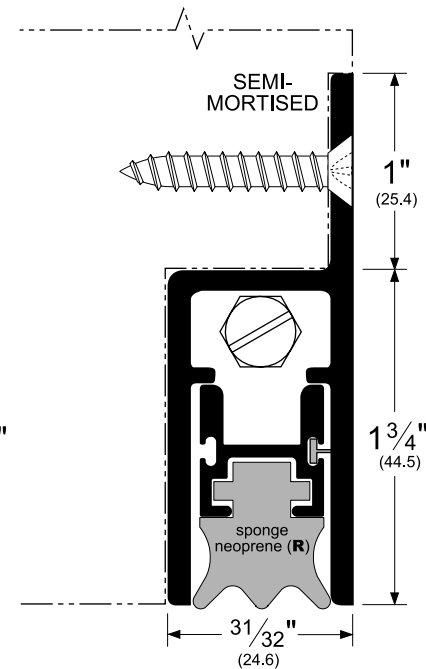
430_RL

AVAILABLE FINISHES:
C, D

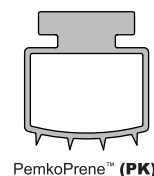


430_MRL

AVAILABLE FINISHES:
C, D

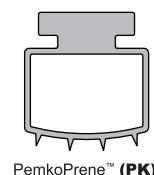


ALTERNATE INSERTS FOR 430



430_PKL

AVAILABLE FINISHES:
C, D



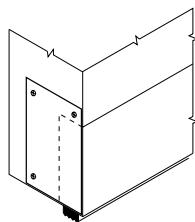
430_MPKL

AVAILABLE FINISHES:
C, D

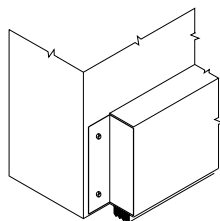


End Plates for 430 and 412 Models

- Aluminum end plates are provided with all 430 and 412 models to protect the mechanism and to give a clean aesthetic appearance.



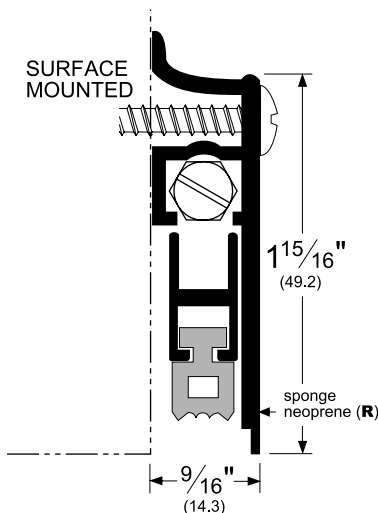
Semi-Mortise mount



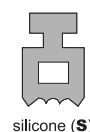
Surface Mount

412_RL

AVAILABLE FINISHES:
B, C, D, G, S



ALTERNATE INSERTS FOR 412



412_SL

AVAILABLE FINISHES:
B, C, D, G, S



412_PKL

AVAILABLE FINISHES:
B, C, D, G, S



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

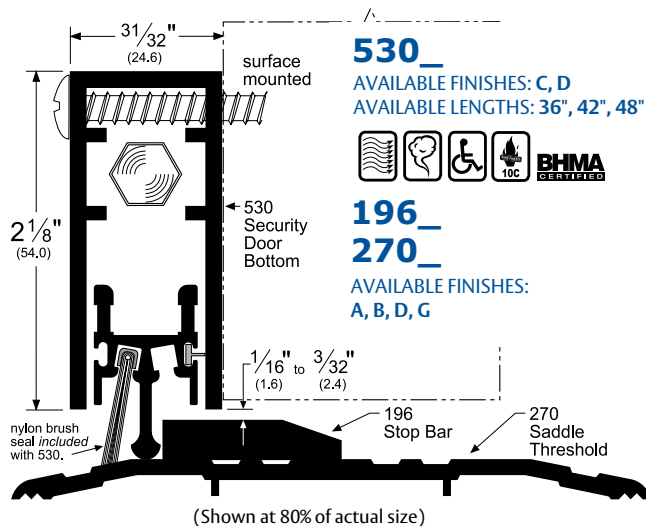
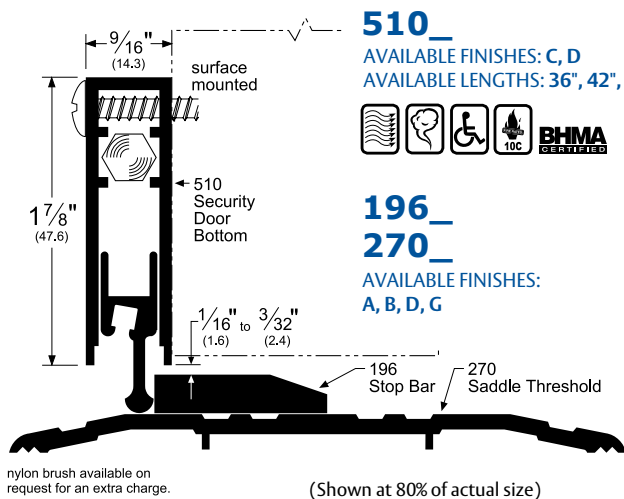
B (Mill Finish Extruded Bronze[Brass]) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • S (Cladded Stainless Steel)

Special finishes available upon request.

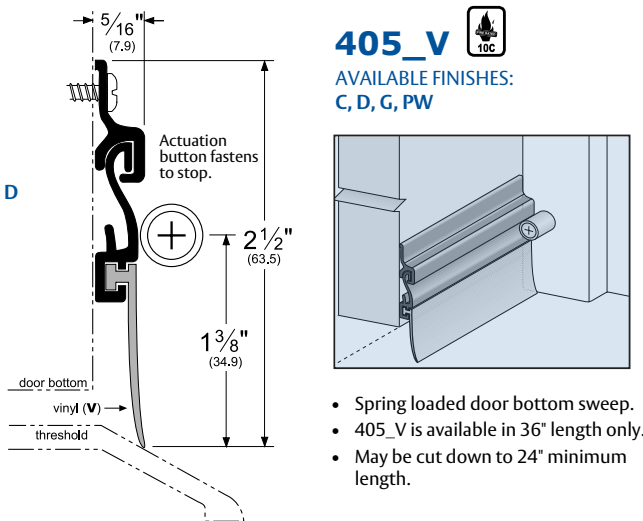
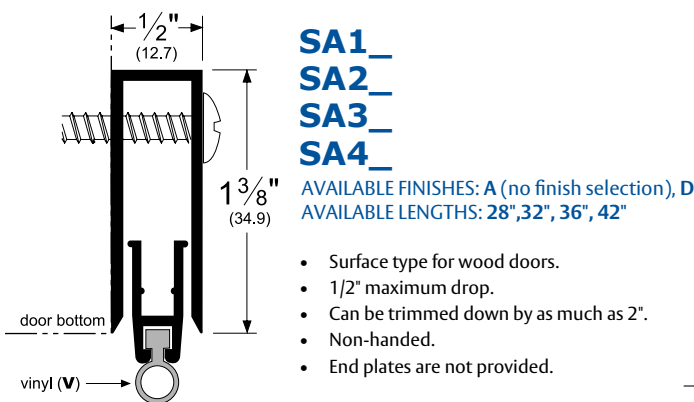
Security Door Bottoms

- Help prevent break-ins with Pemko's security door bottoms.
- Great for office buildings, dormitories, hotel/motels, multi-family housing, and other applications where break-ins from interior lever-handles are a problem.
- Mounting screws and a cam are included with both security door bottom models (510 and 530).

- The 530 includes end plates (shown on page 63) that provide a clean, finished look and prevents debris from entering operating mechanisms.
- Order stop bar (196) and thresholds (270, 2364, etc.) separately.



Residential Automatic Door Bottoms



- Spring loaded door bottom sweep.
- 405_V is available in 36" length only.
- May be cut down to 24" minimum length.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

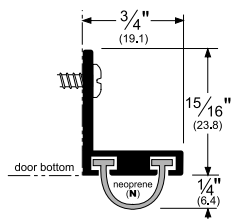
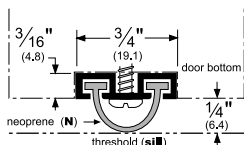
A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White)
Special finishes available upon request.

Specialty Door Bottoms

- May be used in many different applications.
- Some of these shapes may be used as meeting stile gasketing, see page 76 for examples.

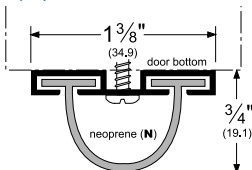
313_N

AVAILABLE FINISHES:
A, D, G



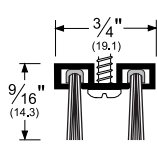
314_N

AVAILABLE FINISHES:
C, D, G



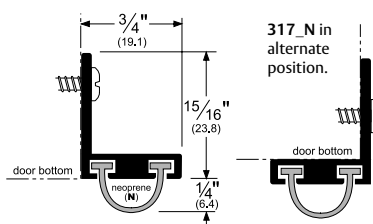
313_P

AVAILABLE FINISH:
A



317_N

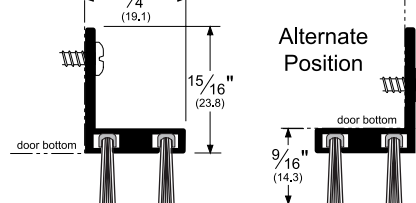
AVAILABLE FINISHES:
A, D, G



317_N in alternate position.

317_P

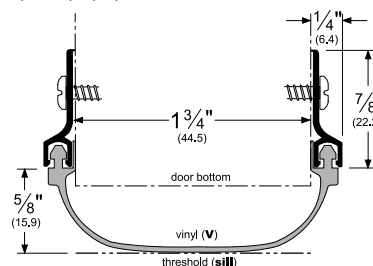
AVAILABLE FINISH:
A



Alternate Position

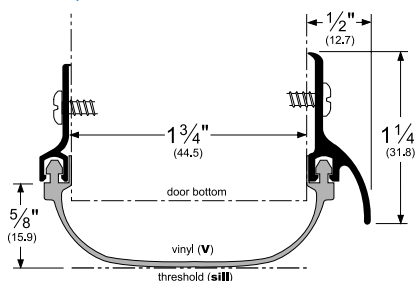
318_V

AVAILABLE FINISHES:
A, BDG, D, G, PW



3185_V

AVAILABLE FINISHES:
A, D

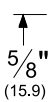
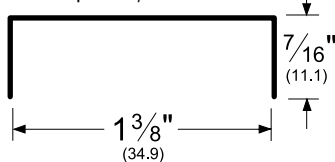


Door Top Weatherstrip

_343

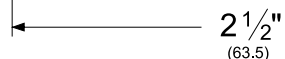
AVAILABLE FINISH: PA
AVAILABLE LENGTHS: 36", 48"

- For top of 1-3/8" wood doors.



346
AVAILABLE FINISHES:
C, D, G, PW

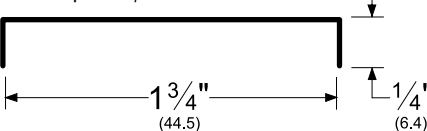
- Overhead rain drip with slotted holes.
- Should be ordered a minimum of 4" longer than the door width.



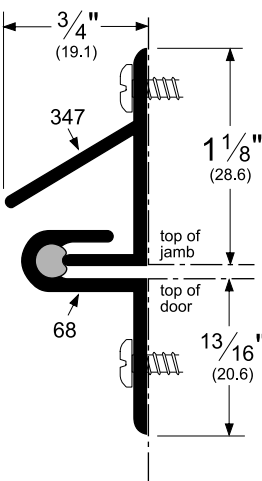
_344

AVAILABLE FINISHES: B, PA
AVAILABLE LENGTHS: 36", 48"

- For top of 1-3/4" wood doors.



Note: Diagram consists of two parts, each sold separately.



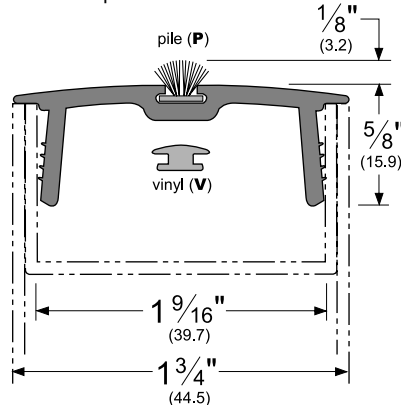
377P

pile seal

377V

vinyl seal

- Rigid tan colored vinyl with vinyl (V) insert or pile (P) insert used as a door top (or bottom) filler strip for hollow metal doors.



347_68_R

AVAILABLE FINISHES:
A, D, G

- For outswing doors only.
- Should be ordered a minimum of 4" longer than the door width.

- 347 is the raindrip and hook.
- 68_R is the interlock.

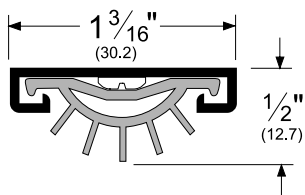
▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • C (Clear Anodized)
D (Dark Bronze Anodized) • G (Gold Anodized) • PA (Painted Aluminum) • PW (Painted White)

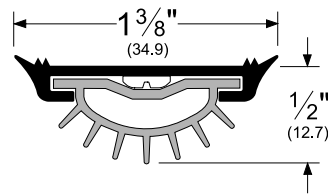
DOOR BOTTOMS

Door Shoes

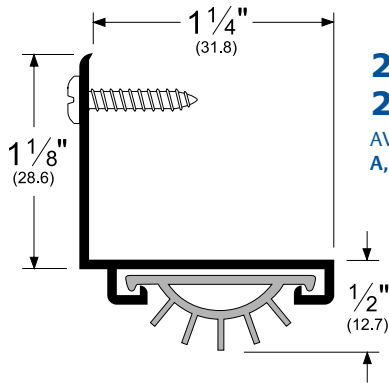
- Now available with PemkoPrene™ (PK) thermo-plastic elastomer, an excellent cold weather seal which stays flexible between -70°F and +250°F.
- Also available with vinyl (V); both seals are the same shape and size.
- Slotted holes for easy adjustment.
- Rain drip model is ideal for deflecting rain away from the bottom of door.
- Door shoes are provided with stainless steel fasteners.



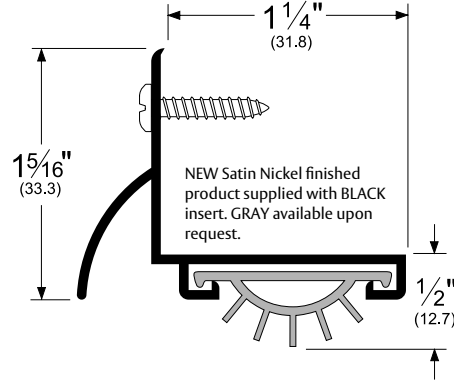
234_V
234_PK
AVAILABLE FINISHES:
A, D, G



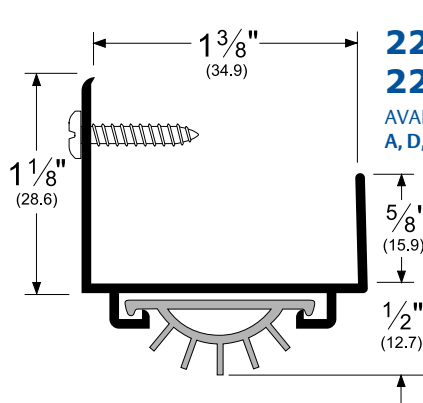
209_V
AVAILABLE FINISHES:
A, D, G



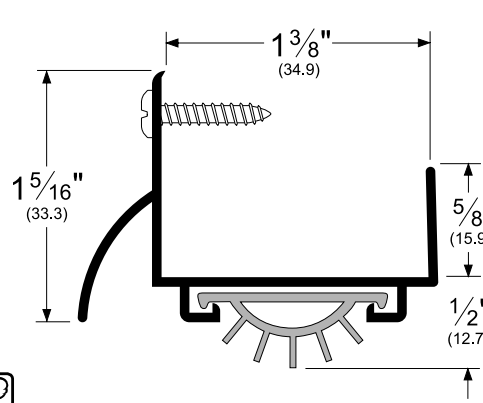
211_V
211_PK
AVAILABLE FINISHES:
A, D, G



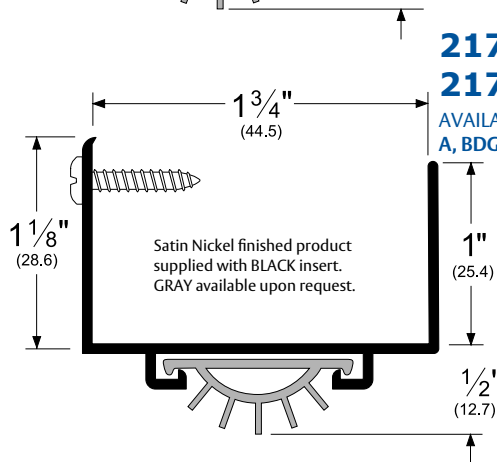
210_V
210_PK
AVAILABLE FINISHES:
A, BDG, D, G, PW, SN



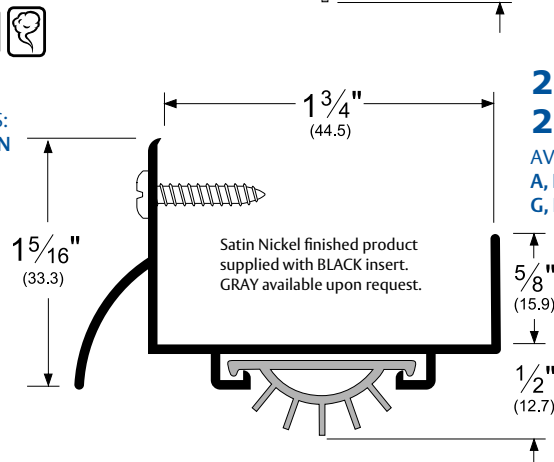
220_V
220_PK
AVAILABLE FINISHES:
A, D, G



215_V
215_PK
AVAILABLE FINISHES:
A, BDG, D, G, PW, SN



217_V
217_PK
AVAILABLE FINISHES:
A, BDG, D, G, PW, SN



216_V
216_PK
AVAILABLE FINISHES:
A, B, BDG, D, G, PW, SN

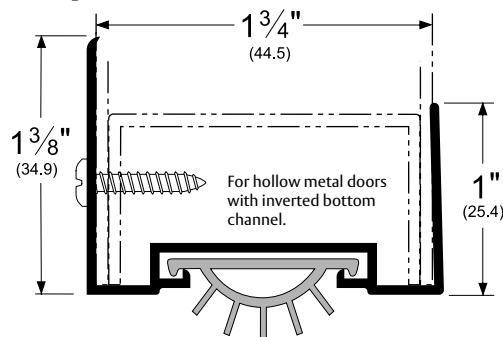
▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized)
G (Gold Anodized) • PW (Painted White) • SN (Satin Nickel Anodized)

Door Shoes (Cont.)

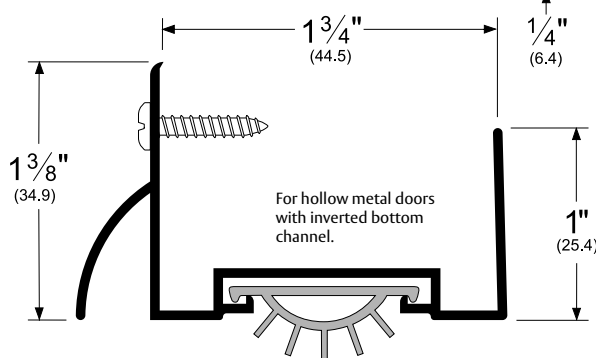
222_V 222_PK

AVAILABLE FINISHES:
A, D, G



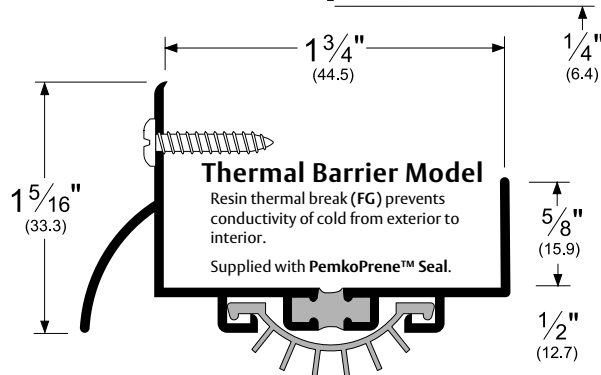
2221_V 2221_PK

AVAILABLE FINISHES:
A, D, G



216_FG

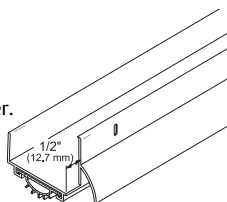
AVAILABLE FINISHES:
BDC, BDG, D, PW, SN



Fabrication Options for Door Shoes

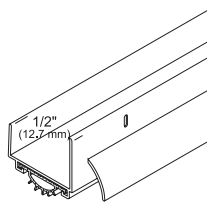
1/2" Full Notch

- **Fabrication includes:** removal of rain drip and front flange of door shoe to prevent interference with door stop and weatherstrip.
- **Ordering:** order width of door leaf, and designate by adding "M" following the product number. (Example: a 216AV with a 1/2" full notch fabrication, for a 36" door leaf=216AVM36.)



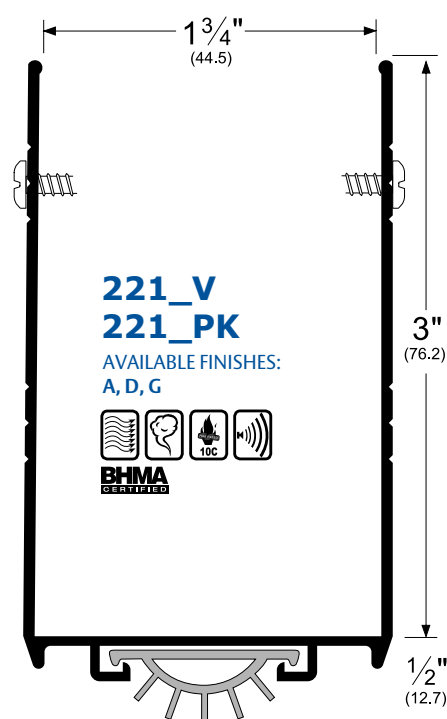
1/2" Half Notch

- **Fabrication includes:** removal of rain drip to prevent interference with door stop and weatherstrip.
- **Ordering:** order width of door leaf and designate by adding "N" following the product number.
- **Special:** Other half notches available are 9/16", 5/8", and 3/4" widths, please specify when ordering. (Example: a 216AV with a 1/2" half notch fabrication, for a 36" door leaf=216AVN36.)



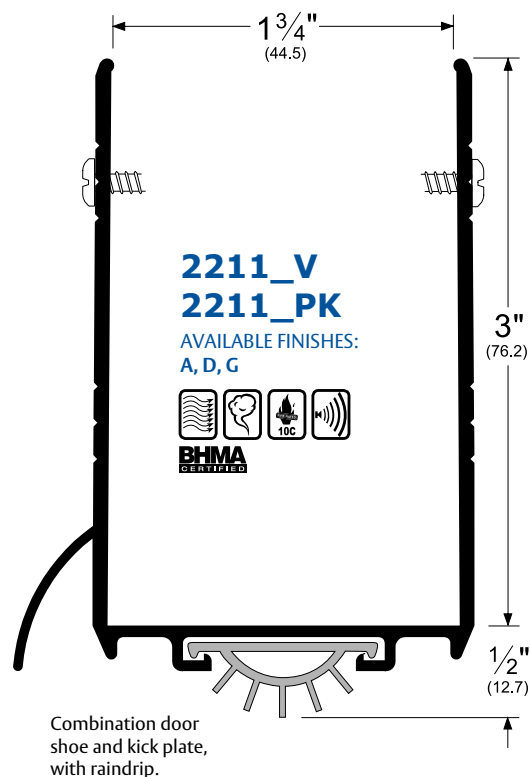
221_V 221_PK

AVAILABLE FINISHES:
A, D, G



2211_V 2211_PK

AVAILABLE FINISHES:
A, D, G



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

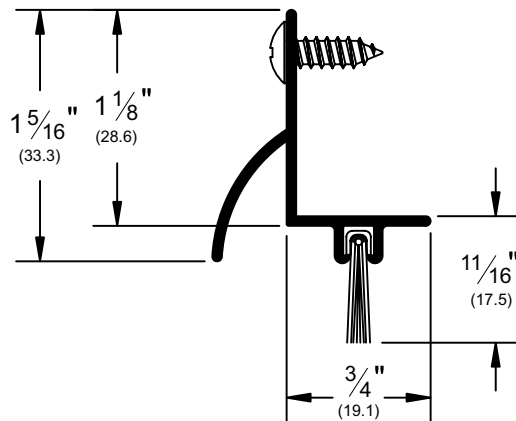
A (Mill Finish Aluminum) • BDC (Bright Dip Clear Anodized) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White)

DOOR BOTTOMS

Door Shoes (Cont.)

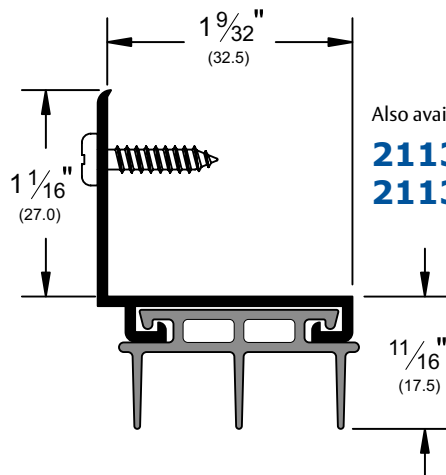
2230_NB

AVAILABLE FINISHES:
A, D, G



2113_V

AVAILABLE FINISHES: A, D, G
AVAILABLE LENGTHS: 36", 48"



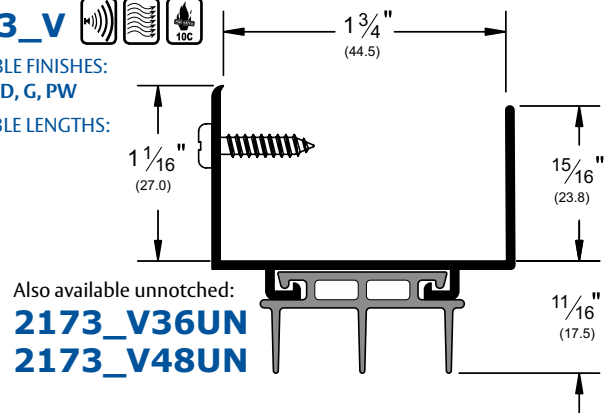
Also available unnotched:

2113_V36UN
2113_V48UN

NOTE: Products shown in
this section may not be
drawn to scale.

2173_V

AVAILABLE FINISHES:
A, BDG, D, G, PW
AVAILABLE LENGTHS:
36", 48"

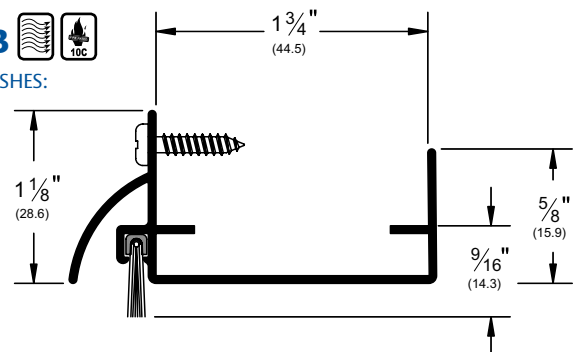


Also available unnotched:

2173_V36UN
2173_V48UN

223_NB

AVAILABLE FINISHES:
A, D, G

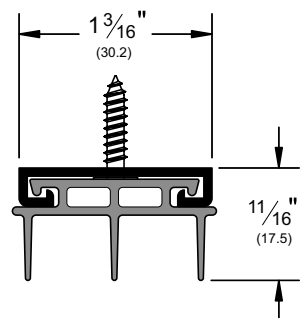


2343_V

AVAILABLE FINISHES:
A, D, G
AVAILABLE LENGTHS:
36", 48"

Also available
unnotched:

2343_V36UN
2343_V48UN

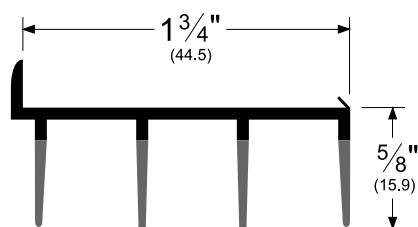


Vinyl Door Shoes

- Dual durometer vinyl door shoe.
- V80_ is furnished net 36".

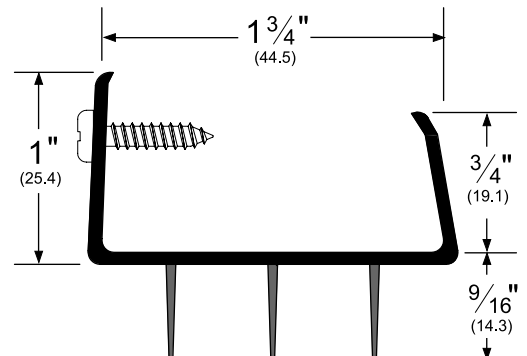
V80_

AVAILABLE FINISHES: D



2170_V

AVAILABLE COLORS: D, W
AVAILABLE LENGTHS: 36", 48"



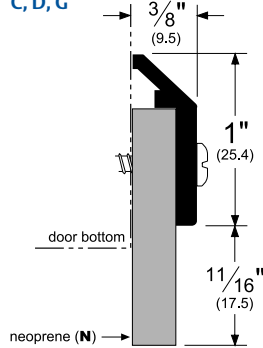
▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White)

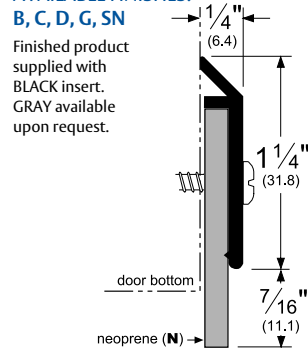
For Vinyl Door Shoes: D (Dark Brown) • W (White)

Door Bottom Sweeps

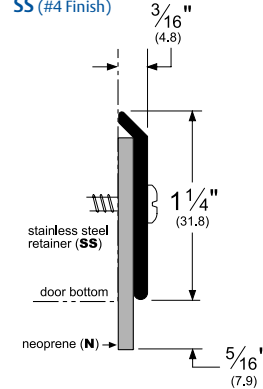
368_N 
AVAILABLE FINISHES: **BHMA**
C, D, G



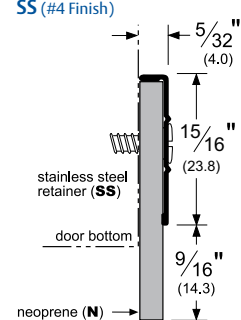
315_N 
AVAILABLE FINISHES: **BHMA**
B, C, D, G, SN
Finished product supplied with BLACK insert. GRAY available upon request.



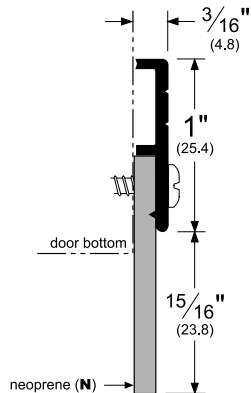
315SSN 
AVAILABLE FINISH: **BHMA**
SS (#4 Finish)



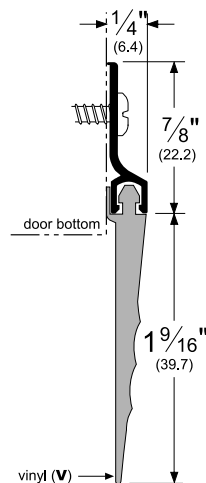
321SSN 
AVAILABLE FINISH: **BHMA**
SS (#4 Finish)



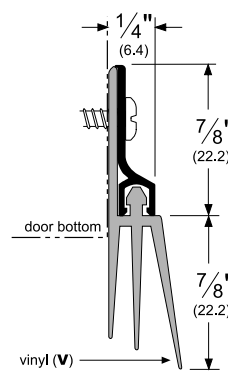
321_N 
AVAILABLE FINISHES: **BHMA**
C, D, G



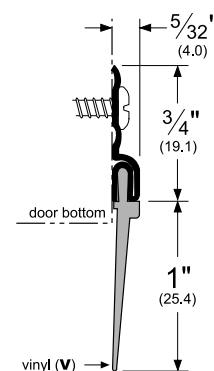
56_V
AVAILABLE FINISHES:
A, BDG, D, G, PW, SN



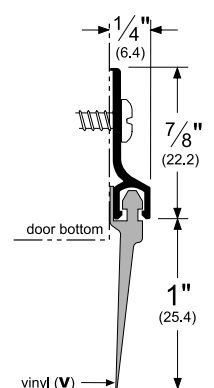
57_V
AVAILABLE FINISHES:
A, BDG, D, G, PW, SN



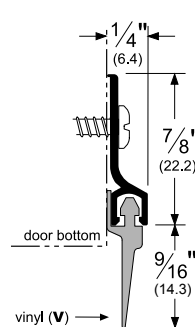
99_V
AVAILABLE FINISHES:
PA, PD, PG, PW



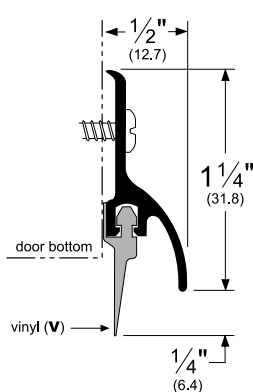
307_V 
AVAILABLE FINISHES:
A, BDG, D, G, PW, SN



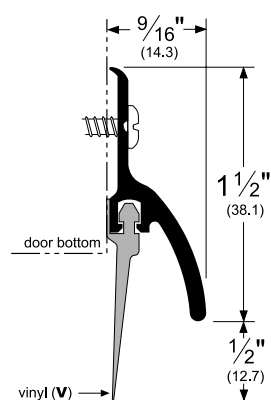
308_V 
AVAILABLE FINISHES:
A, BDG, D, G, PW, SN



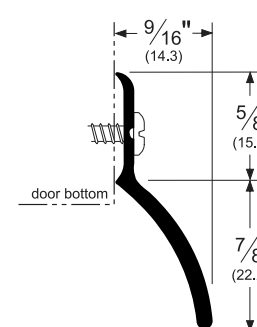
3452_V 
AVAILABLE FINISHES:
A, BDG, C, D, G, PW, SN



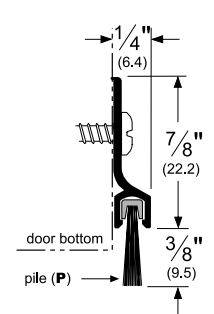
345_V
AVAILABLE FINISHES:
A, BDG, D, G, PW



345_
AVAILABLE FINISHES:
A, B, BDG, C, D, G, PW



309_P 
AVAILABLE FINISHES:
A, BDG, D, G, PW, SN



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

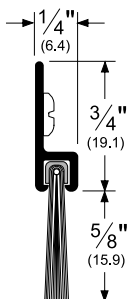
A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PA (Painted Aluminum) • PD (Painted Dark Bronze) • PG (Painted Gold) • PW (Painted White) • SN (Satin Nickel Anodized) • SS (See Individual Part)

DOOR BOTTOMS

Door Bottom Sweeps (Cont.)

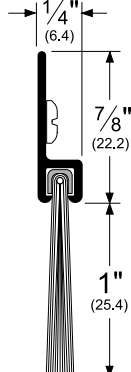
18061_NB

AVAILABLE FINISHES:
C, D, G, SN



18100_NB

AVAILABLE FINISHES:
C, D, G, PW

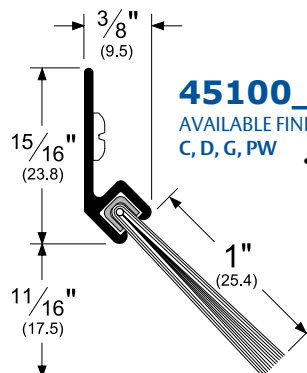


Garage/Overhead Door Weatherstrip

- Neoprene, Vinyl, and Nylon Brush: Pemko has all the seals you need for all types of garage doors: commercial, industrial, and/or residential.

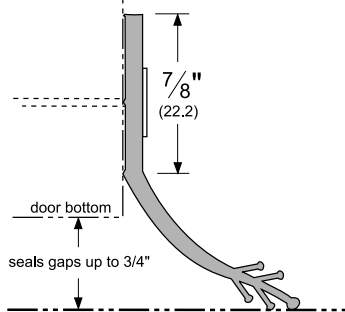
45100_NB

AVAILABLE FINISHES:
C, D, G, PW



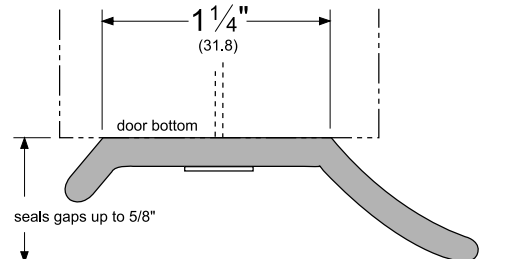
- Brush weatherstrip (such as the 45100 shown) is excellent for garage/overhead door weatherstrip applications (see the Brush Weatherstrip section.)

V365



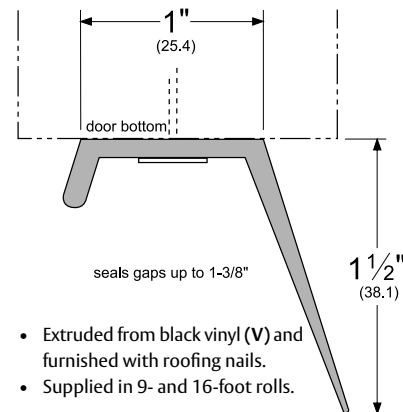
- Extruded from gray vinyl (V) and furnished with roofing nails.
- Also used to close gaps along the sides of a door.
- For sectional overhead door, nail to jamb.
- Supplied in 250-foot bulk rolls.

R364-100



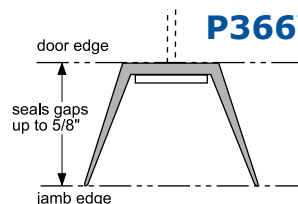
- Extruded from black rubber (R).
- Supplied in 100-foot bulk rolls.

P361V9 P361V16

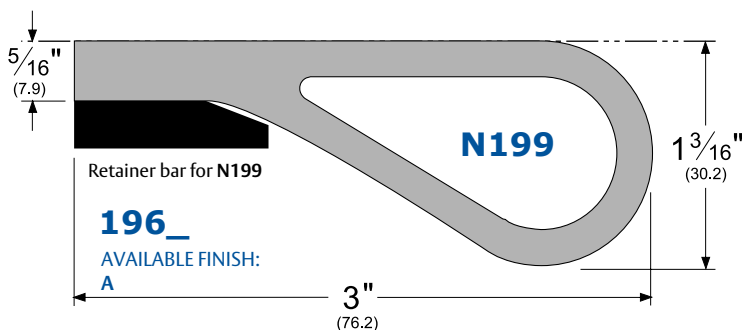


- Extruded from black vinyl (V) and furnished with roofing nails.
- Supplied in 9- and 16-foot rolls.

P366V16



- Extruded from black vinyl (V) and furnished with roofing nails.
- Nails to door edge, jamb edge, or door bottom.
- Supplied in 16-foot rolls.



- Order 196_ separately (see page 66); furnished undrilled unless requested otherwise.
- Heavy duty door bumper extruded from black neoprene (N).
- Available in 8', 10', 12' and 15' lengths.
- Meets MIL-R6855 class II, grade 40, type A material, remains flexible to -67° F.



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White)

ASTRAGALS & MEETING STILES

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| Meeting Stile Gasketing | 76 |
| Adhesive-Backed Mullion Gasketing | 77 |
| Split Astragals with Snap Covers - Concealed Fasteners | 77 |
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| Outswing Locking Astragals | 85-86 |
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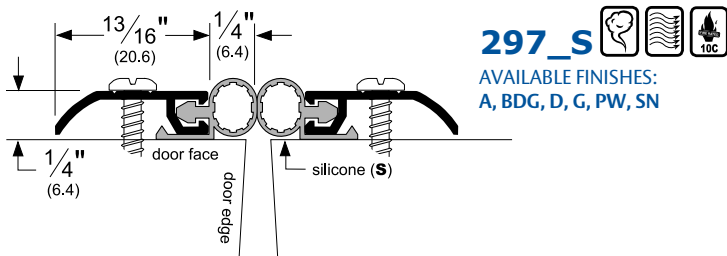
| <u>PRODUCT</u> | <u>PAGE</u> | <u>PRODUCT</u> | <u>PAGE</u> | <u>PRODUCT</u> | <u>PAGE</u> |
|----------------|-------------|----------------|-------------|-----------------|-------------|
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| 300 | 76 | 371 | 76 | 3572 | 80 |
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| 318 | 75 | 3447 | 86 | 34831 | 84 |
| 351 | 79 | 3448 | 86 | 34832 | 84 |
| 352 | 79 | 3481 | 84 | B71 | 76 |
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ASTRAGALS AND MEETING STILES

Astragal and Meeting Stile Gasketing - Split Astragals

- Astragals and meeting stiles on double doors often present problems because of complex conditions and requirements. Pemko offers some simple and inexpensive solutions as well as more detailed ones. Each job should be carefully studied as to the specific requirements when selecting the appropriate gasketing. Note that some astragals consist of two parts, one for each door, and should be ordered as such.
- Punched with slotted holes for adjustment.
- Astragals and meeting stiles with a fire label may be mounted on pairs of doors wherein the gap meets the requirements of NFPA 80, 2-3.1.7 "The clearance between...the meeting edges of doors swinging in pairs on the pull side shall be $1/8" \pm 1/16"$ (3.18mm \pm 1.59mm) for steel doors and shall not exceed $1/8"$ (3.18mm) for wood doors."
- All clear anodized brush products are supplied with gray brush (available with black brush upon request). Other finishes supplied with black brush.

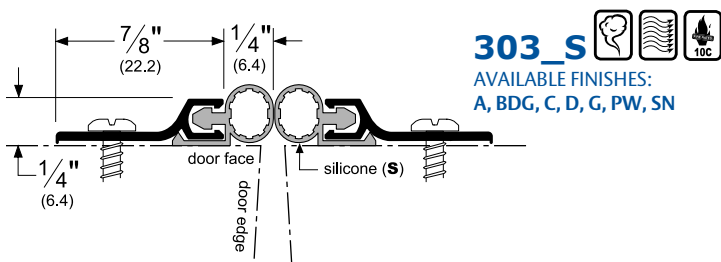
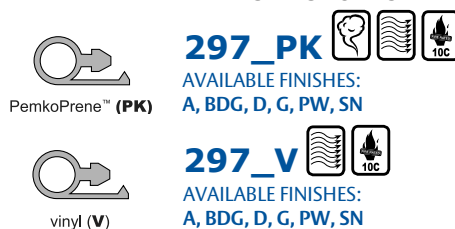


297_S

AVAILABLE FINISHES:
A, BDG, D, G, PW, SN



ALTERNATE INSERTS FOR 297

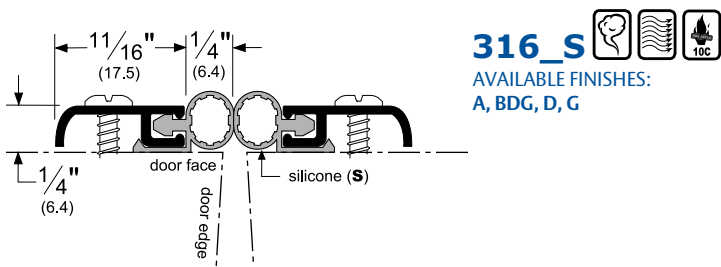
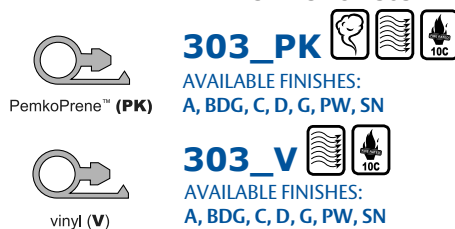


303_S

AVAILABLE FINISHES:
A, BDG, C, D, G, PW, SN



ALTERNATE INSERTS FOR 303

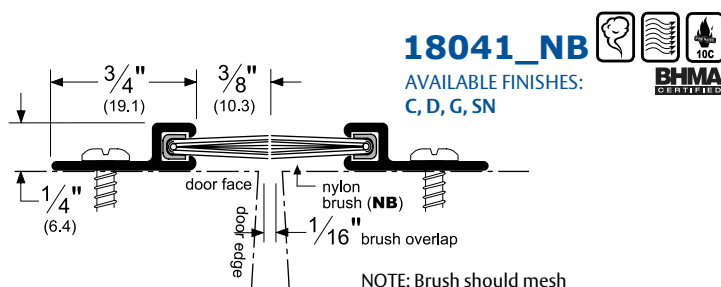
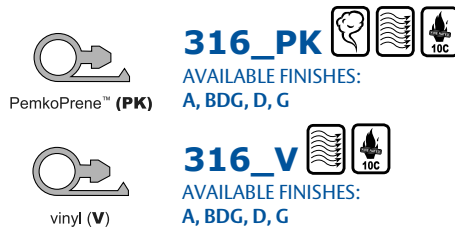


316_S

AVAILABLE FINISHES:
A, BDG, D, G



ALTERNATE INSERTS FOR 316



18041_NB

AVAILABLE FINISHES:
C, D, G, SN



ALTERNATE INSERTS FOR 18041



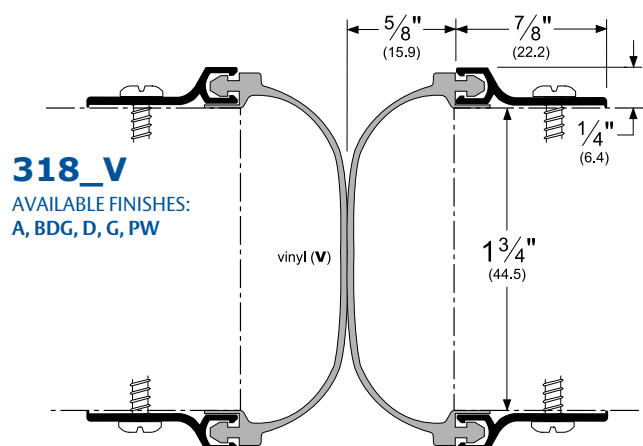
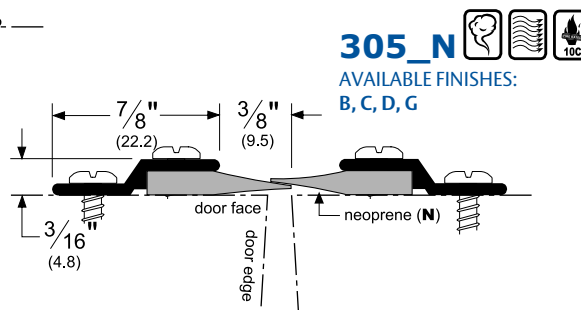
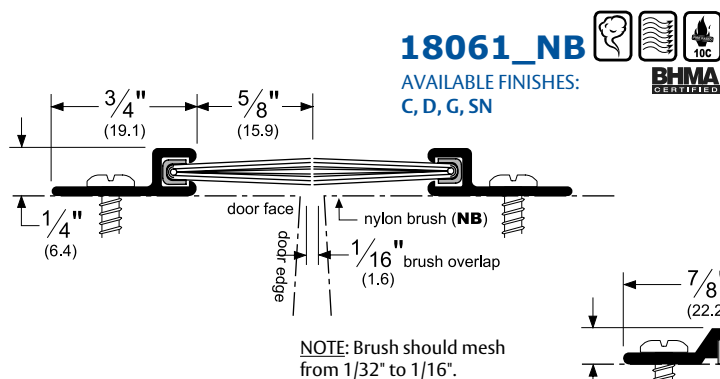
NOTE: Brush should mesh from $1/32"$ to $1/16"$.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • C (Clear Anodized) • D (Dark Bronze Anodized)
G (Gold Anodized) • PW (Painted White) • SN (Satin Nickel Anodized) • Special finishes available upon request

Astragal and Meeting Stile Gasketing - Split Astragals (Cont.)

- All clear anodized brush products are supplied with gray brush (available with black brush upon request). Other finishes supplied with black brush.

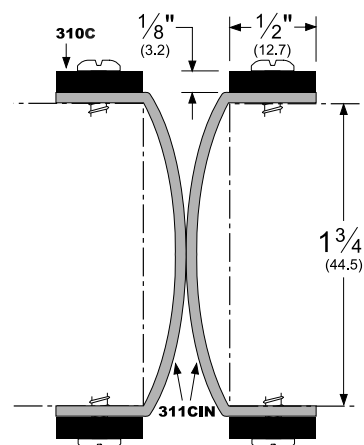


310_* 311CIN

AVAILABLE FINISHES: C, D, G

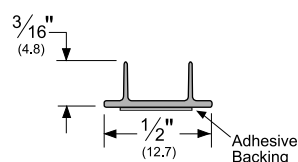
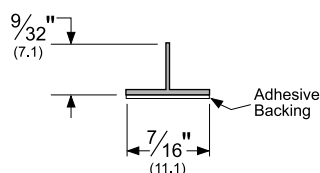
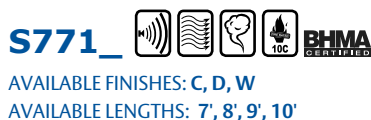
- Material required for one pair of doors:
4 ea. 310 bars and
2 ea. 311CIN cloth inserted rubber pieces.
- Specify 311CIN3.75 for 1-3/4" thick doors.
- Specify 311CIN4.00 for 2" thick doors.
- Specify 311CIN4.25 for 2-1/4" thick doors.

* Sold individually



Adhesive Astragal/Meeting Stile Seals

- The S771 and S772 astragal/meeting stile seals can be installed on virtually any pair of doors where sound attenuation is required. These products seal the opening to prevent heat loss, retard the passage of smoke, and act as a weatherization product.
- Excellent resistance to compression set, particularly at elevated temperatures and for extended periods of time.
- Stays flexible between -58°F and 450°F with very high resistance to flex fatigue. Maintains a low closing force.
- Easy installation requires no mechanical fasteners; can be cut to size in the field.



NOTES FOR ALL ADHESIVE GASKETING:

Storage and shelf life: All adhesive gaskets have a limited shelf life. This product must be used within 6 months of purchase and must be stored between 50°F and 100°F.

For further notes/details, please see Adhesive Gasketing section.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

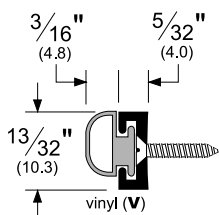
A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White) • SN (Satin Nickel Anodized) • Special finishes available upon request

ASTRAGALS AND MEETING STILES

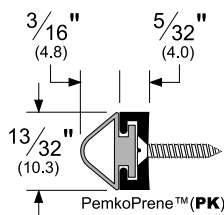
Meeting Stile Gasketing

- Astragals / meeting stiles with a fire label may be mounted on pairs of doors wherein the gap meets the requirements of NFPA 80, 2-5.4.

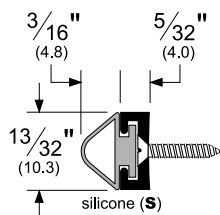
369_V 
AVAILABLE FINISHES:
A, D, G



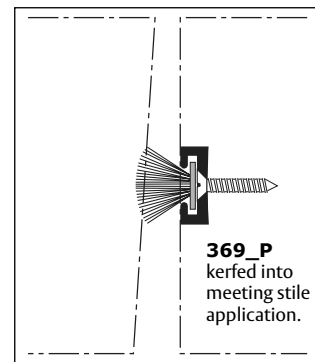
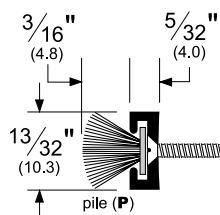
369_PK 
AVAILABLE FINISHES:
A, D, G



369_S 
AVAILABLE FINISHES:
A, D, G

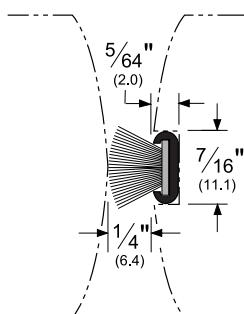


369_P 
AVAILABLE FINISHES:
A, D, G



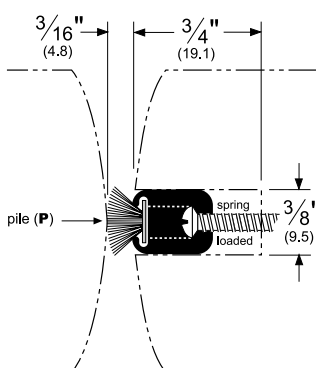
Furnished with gray pile (P).

371P 1/4" pile
372P 3/8" pile



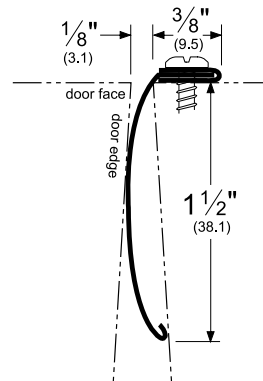
- Available in 84" and 96" lengths.
- Available in gray pile only.
- Fasten with nails or staples through pile and backing, or use adhesive. Fasteners not supplied.
- Pile and backing do not separate.

300_P
AVAILABLE FINISHES:
B, C, D, G



- For a 3/8" gap (or smaller) between doors.
- Spring-loaded from back side.
- This product does not work well on beveled edge pairs of doors.

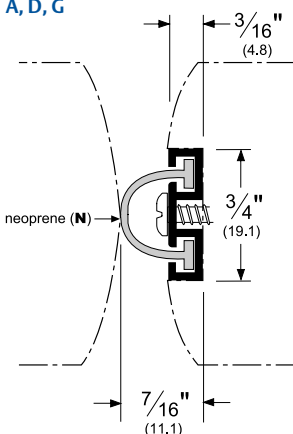
B71
SS71



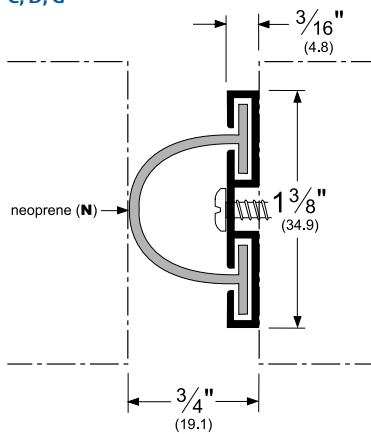
- .008 gauge hemmed spring bronze (B), stainless steel (SS).
- .015 gauge brass retainer and .020 gauge stainless steel (SS) retainer.
- Available in 36", 72", 80", 84" and 96" lengths.

- 313AN, 313GN, 314CN, 314GN, 358CN, and 358GN**, furnished with gray neoprene (N); **313DN, 314DN, and 358DN** furnished with black neoprene (N). Black neoprene (N) available with any retainer finish upon request.

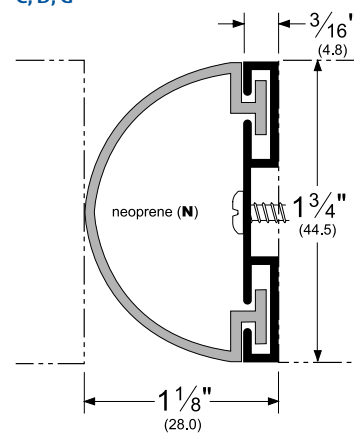
313_N
AVAILABLE FINISHES:
A, D, G



314_N
AVAILABLE FINISHES:
C, D, G



358_N
AVAILABLE FINISHES:
C, D, G



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

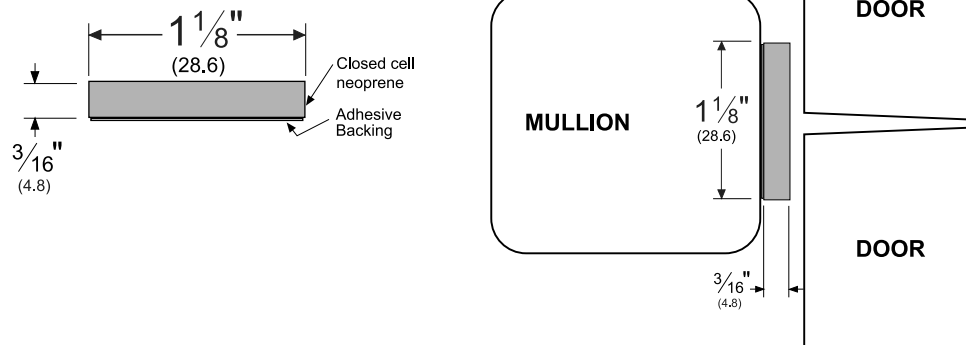
A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • B (Hemmed Spring Bronze) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • SS (Stainless Steel) • Special finishes available upon request

Adhesive-Backed Mullion Gasketing

5110_   

AVAILABLE FINISH: BL

AVAILABLE LENGTHS: 120"

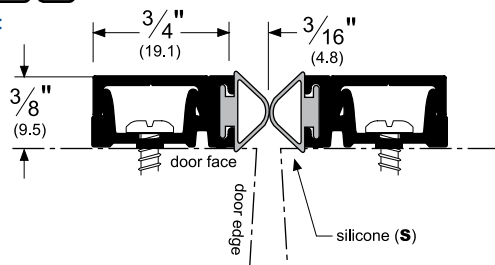


Split Astragals with Snap Covers – Concealed Fasteners

- Snap covering helps prevent vandalism and adds an attractive finished look by concealing the fasteners.

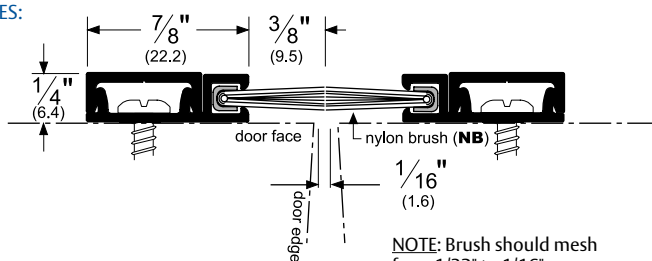
29310_S  

AVAILABLE FINISHES:
C, D, G



29324_NB   

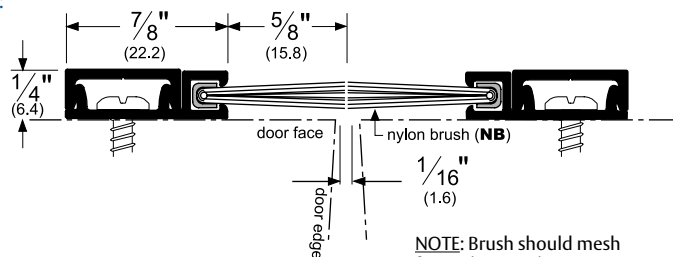
AVAILABLE FINISHES:
C, D, G



NOTE: Brush should mesh from 1/32" to 1/16".

29326_NB   

AVAILABLE FINISHES:
C, D, G



NOTE: Brush should mesh from 1/32" to 1/16".


ALTERNATE INSERTS FOR 29310

 **29310_PK**  
AVAILABLE FINISHES:
C, D, G

 **29310_P** 
AVAILABLE FINISHES:
C, D, G

 **29310_V** 
AVAILABLE FINISHES:
C, D, G

ALTERNATE INSERTS FOR 29324

 **29324_SB**
AVAILABLE FINISHES:
C, D

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

BL (Black) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)

Special finishes available upon request

ASTRAGALS AND MEETING STILES

"T" and Overlapping Astragals

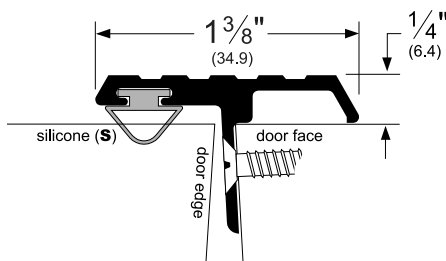
355_S



AVAILABLE FINISHES:
B, BDG, C, D, G, PW, SN

Mill finish extruded
bronze (brass).

Satin Nickel finished product
supplied with BLACK insert.
GRAY available upon request.



ALTERNATE INSERTS FOR 355



355_V

AVAILABLE FINISHES:
B, BDG, C, D, G, PW, SN

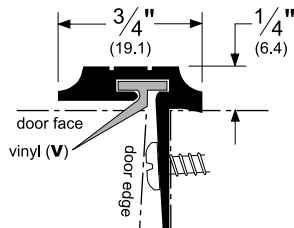


355_P

AVAILABLE FINISHES:
B, BDG, C, D, G, PW, SN

356_V

AVAILABLE FINISHES:
A, BDG, D, PW, SN

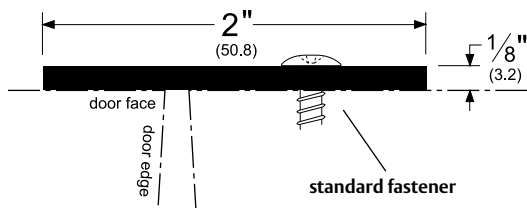


- Standard fastener is #10 x 1" Truss Head SMS.
- "ND" denotes "no drill" (unless specified "ND", astragals are drilled).
- Countersink drilling with countersunk flathead screws also available upon request at no extra charge.

357_



AVAILABLE FINISHES:
C, D, G, SP, SS (#4 Finish & #4 Edge)

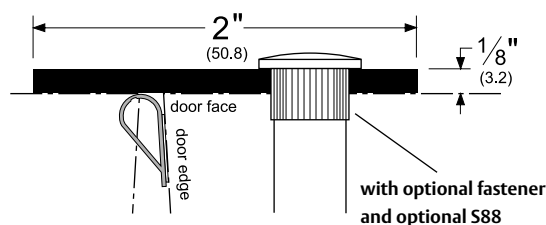


357_



with S88

AVAILABLE FINISHES:
SP, SS (#4 Finish & #4 Edge)



357_ND



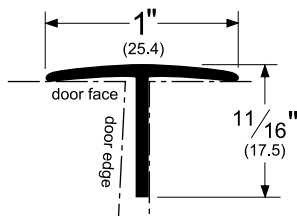
AVAILABLE FINISHES:
C, D, G, SP, SS (#4 Finish & #4 Edge)

- If specifications state that an astragal is required to satisfy a fire and / or smoke rated opening, then a thru-bolted 357SP or SS in conjunction with S88 seal is the only configuration that can be used.
- 1/4" - 20 machine screws and thru-bolts must be ordered separately at additional cost.
- Standard fastener is #10 x 1" Truss Head SMS.
- S88 (see Adhesive Gasketing section) must be ordered separately at an additional cost, if required.

359_

AVAILABLE FINISHES:
A, B, BDG, D

For light residential installations.
Includes #16 x 7/8" flathead zinc
nails.



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

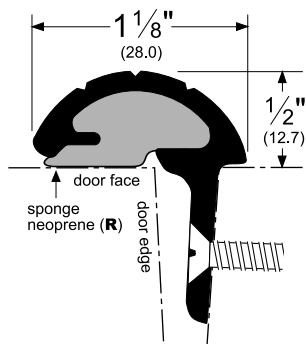
A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White) • SN (Satin Nickel Anodized) • SP (Galvannealed Steel) • SS (See Individual Part) • Special finishes available upon request

"T" and Overlapping Astragals (Cont.)

352_R

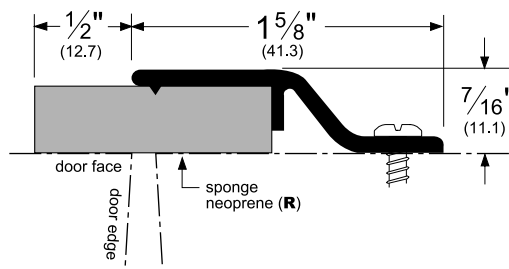
AVAILABLE FINISHES:
C, D, G

For reverse bevel doors.



375_R

AVAILABLE FINISHES:
B, C, D, G



Adjustable Astragals

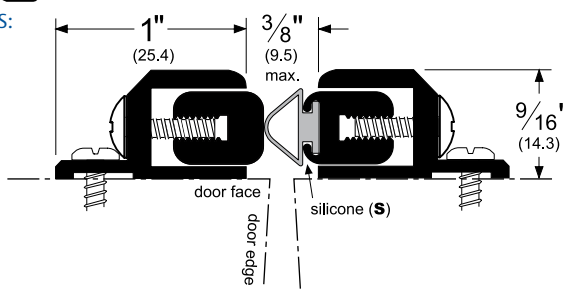
- Available in 84", 96" and 120" lengths.
- 351 is surface applied; 354 is full-mortise applied.
- *When used as split astragals on double doors, two lengths must be ordered: one for each door.*

NOTE: If you require split astragals in a metal to gasket configuration, you must order each leaf separately with your choice of insert in the tables below.

351_S

AVAILABLE FINISHES:
B, C, D, G

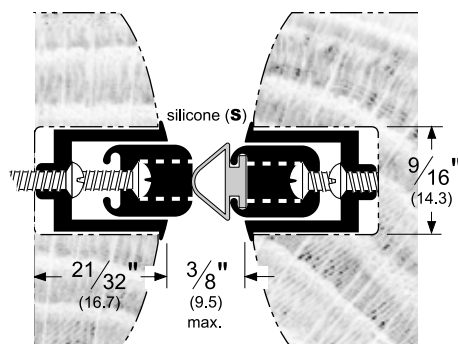
351_ / 351_S



354_ / 354_S

354_S

AVAILABLE FINISHES:
B, C, D, G



ALTERNATE INSERTS FOR 351

 **351_PK**  
PemkoPrene™ (PK)
AVAILABLE FINISHES:
B, C, D, G

 **351_V**  
vinyl (V)
AVAILABLE FINISHES:
B, C, D, G

 **351_P**  
pile (P)
AVAILABLE FINISHES:
B, C, D, G

ALTERNATE INSERTS FOR 354

 **354_PK**  
PemkoPrene™ (PK)
AVAILABLE FINISHES:
B, C, D, G

 **354_V**  
vinyl (V)
AVAILABLE FINISHES:
B, C, D, G

 **354_P**  
pile (P)
AVAILABLE FINISHES:
B, C, D, G

▲ **AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE** (see General Information section for finish chart)

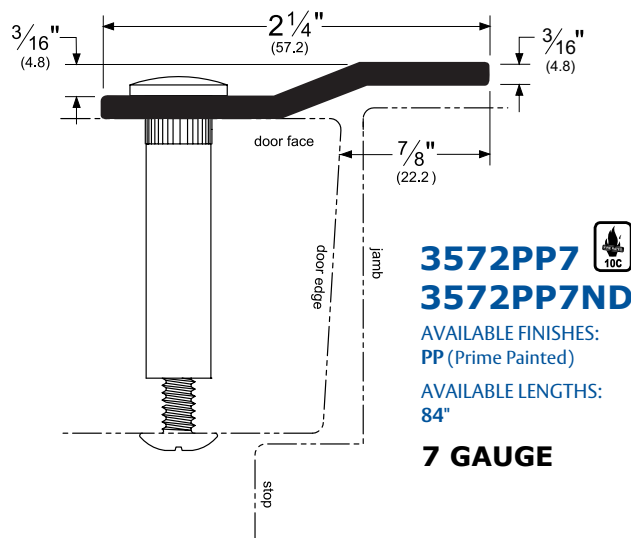
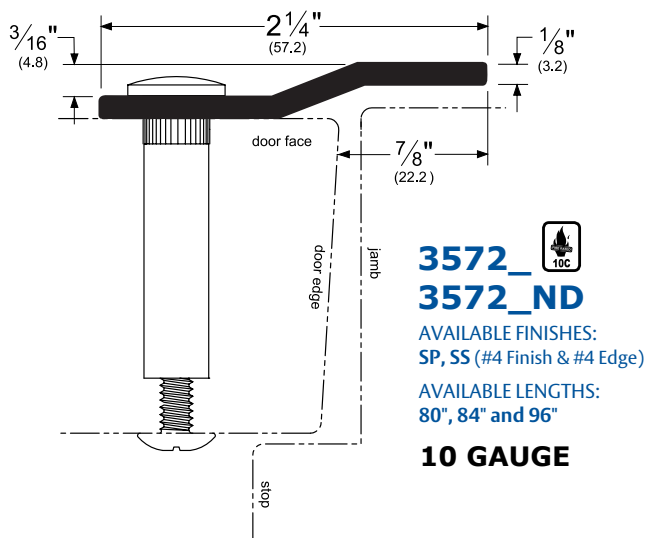
B (Mill Finish Extruded Bronze [Brass]) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)

Special finishes available upon request

ASTRAGALS AND MEETING STILES

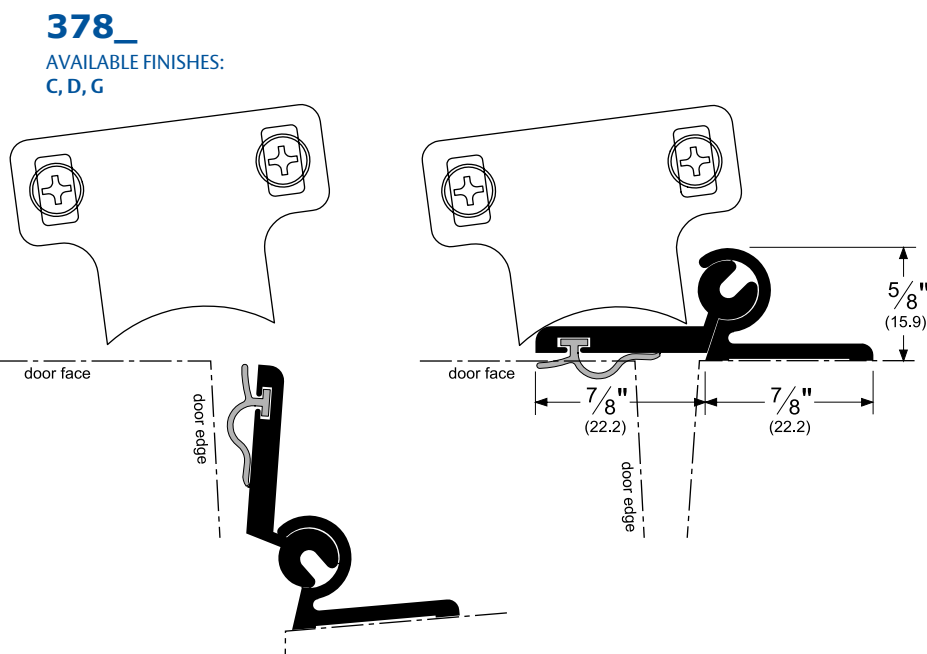
Offset Security Bar

- For use on single outswing wood or metal doors.
- Covers gap between the door and jamb for the full door height, preventing prying and manipulation.
- Excellent for classroom doors opening onto exterior walkways (specified and approved by major school districts).
- **3572SP** supplied drilled 12" on center with 1/4" holes.
- **3572SPND** ("no drill") supplied undrilled.
- Thru-bolts are included when drilled only.



Security Astragal

- Automatic security astragal for outswing pairs of wood and metal doors.
- Discourages manipulation of panic-type hardware.
- Astragal is held flush against other door by 1/2" thick cam (cam and mounting screws included).
- Anodized aluminum with vinyl seal and stainless steel operating spring.
- Either door may be active without requiring a coordinator.
- Only available in 86" and 96" lengths. Parts can be trimmed 12" maximum from each end.
- Should be mounted prior to attaching panic hardware to eliminate the problem of interference.
- Must be installed on the inside of a pair of outswing doors.



▲ **AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE** (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • SP (Galvanneal Steel) • SS (Stainless Steel)

Special finishes available upon request

Locking Astragals

- Weatherstripped astragals with locking spring bolts or slide bolts for 1-3/4" and 1-3/8" residential and office suite inswing double entrance doors.
- Each astragal comes complete with an installation kit and detailed instructions.
- Choose from two locking options: Odd numbered astragals have economical smooth acting slide bolts. Slide bolts are now 18 inches from the top/bottom for easier access. Even numbered astragals have locking spring bolts. Both have full 3/8" diameter steel bolts with 1-1/16" throw for improved locking strength. In the extended and locked position, locking spring bolts cannot be retracted by tampering. In the retracted position, the spring loaded bolts latch firmly, thus preventing marking of the floor and door header trim when opening or closing the inactive door.
- All styles are edge mounted on a square edge door.
- Choose from three style options: slimline, colonial and colonial with thermal break.
- The slimline style is available with a vinyl bulb (V) insert or SiliconSeal™ (S) insert. The colonial styles are available with Q102 or Q106 kerf-in foam (Q) insert or kerf-in magnetic (M) insert.

Slimline style with slide bolt

3493_S

AVAILABLE FINISHES:
BDG, C, D, G, PW, SN

3493 also available with 18" slide bolt (at additional cost) for easier access (specify "L" at the end of the product number for this option i.e. 3493_VL).

3493_V

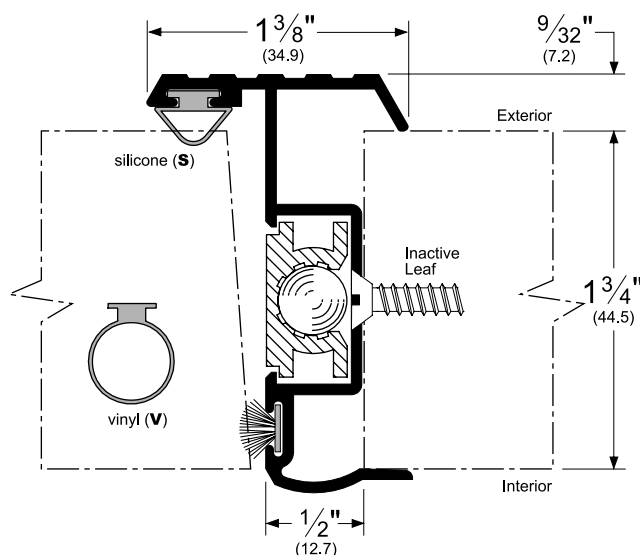
AVAILABLE FINISHES:
BDG, C, D, G, PW, SN

Slimline style with locking spring bolt

3494_S

AVAILABLE FINISHES:
BDG, C, D, G, PW, SN

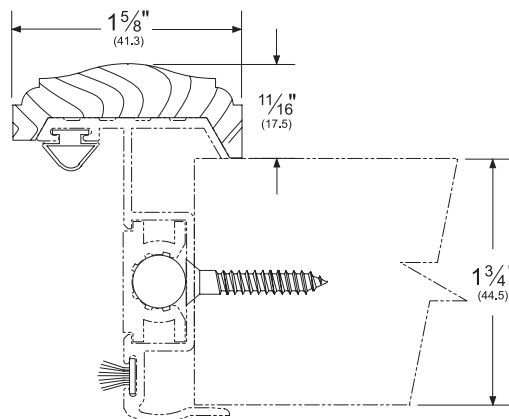
Slimline Style



- All styles come with pile seal at inner door edge.
- Styles 3493 thru 3498 come with a molded sponge neoprene bottom seal.
- All feature four-way adjustable strike plate mounting for latchbolt and deadbolt.
- All come with a vinyl snap-in cover strip to conceal the cutout and cover the mounting screws.
- Astragal stock lengths are 80", 84", 96" and 120".
- A standard deadbolt punchout is 3/4" by 4" at 40" on center.
- Punchout supplied on request only.
- For non-stock astragals, specify deadbolt punchout size and center distance from top end.
- Specify handing using the handing chart on page 82 or 85.

Oak Fascia

- Available in 96" length only; shorter lengths are invoiced at 96".
- An excellent alternative to locking wood astragals (3481, page 84), the oak fascia is attached to the face of 3493/3494 locking metal astragals, providing a warm aesthetic appearance while utilizing the mechanical advantages of the locking metal astragals.
- The oak fascia should be attached to the face of the 3493/3494 using liquid nail adhesive.
- The oak fascia is supplied unfinished, to allow for custom matching.



OAK349-96

Please refer to the listings under each product for stocked finishes. See the General Information section for a complete list of all Pemko stocked and non-stocked finishes. Contact the factory for the price and availability of non-stocked finishes.

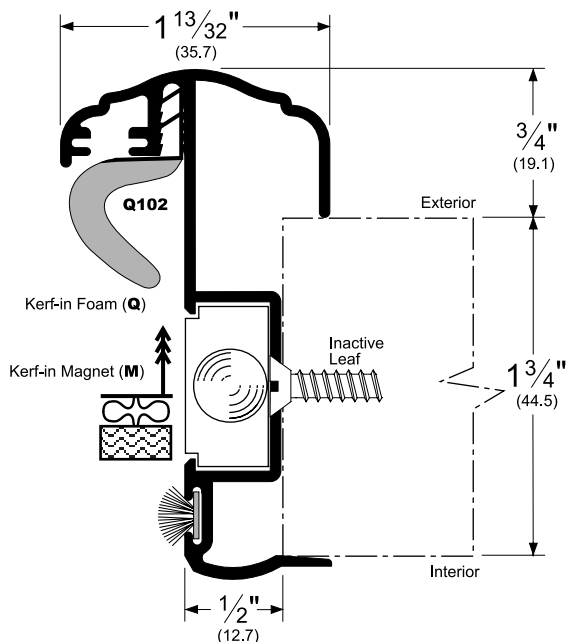
▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

BDG (Bright Dip Gold Anodized) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)
PW (Painted White) • SN (Satin Nickel Anodized) • Special finishes available upon request

ASTRAGALS AND MEETING STILES

Locking Astragals

Colonial Style



*Colonial style
with slide bolt*

3495_M

3495_Q

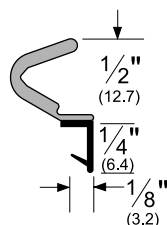
AVAILABLE FINISHES:
BDG, C, D, PW, SN

*Colonial style
with locking spring bolt*

3496_M

3496_Q

AVAILABLE FINISHES:
BDG, C, D, G, PW, SN



Q108_

AVAILABLE FINISHES:
D, W

Available with
Q108 insert only
upon request.

*Colonial style with slide bolt
and thermal break*

3497_M

3497_Q

AVAILABLE FINISHES:
BDG, C, D, PW

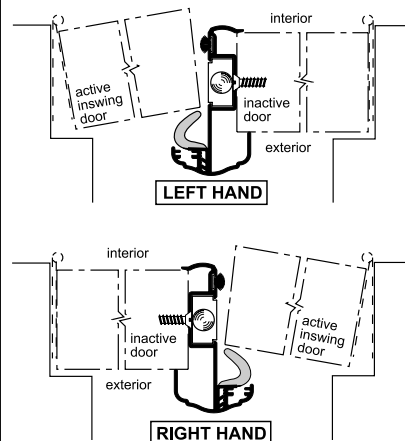
*Colonial style
with locking spring bolt
and thermal break*

3498_M

3498_Q

AVAILABLE FINISHES:
BDG, C, D, PW

Handing Chart For Astragals (For pages 81-83)

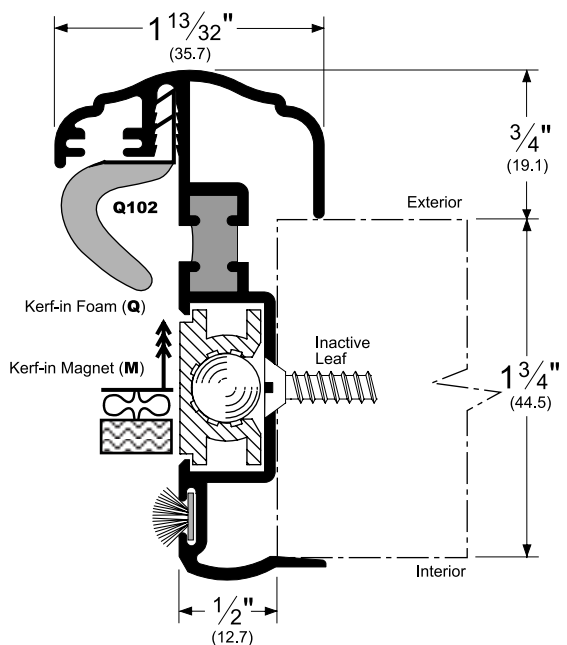


- An astragal is handed by the hand of the active door. The hand of the active door is determined by the position of the hinges on the door, when viewed from the outside (the key side).

3495 also available with 18" aluminum bar (at additional cost) for easier access (specify "L" at the end of the product number for this option i.e. 3495_Q96L).

3497 also available with 18" aluminum bar (at additional cost) for easier access (specify "L" at the end of the product number for this option i.e. 3497_M96L).

Colonial Style with Thermal Break



Please refer to the listings under each product for stocked finishes. See the General Information section for a complete list of all Pemko stocked and non-stocked finishes. Contact the factory for the price and availability of non-stocked finishes.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

BDG (Bright Dip Gold Anodized) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (White) • SN (Satin Nickel Anodized)
Special finishes available upon request • Kerf Colors: D (Dark Brown) • W (White)

Slimline Styles

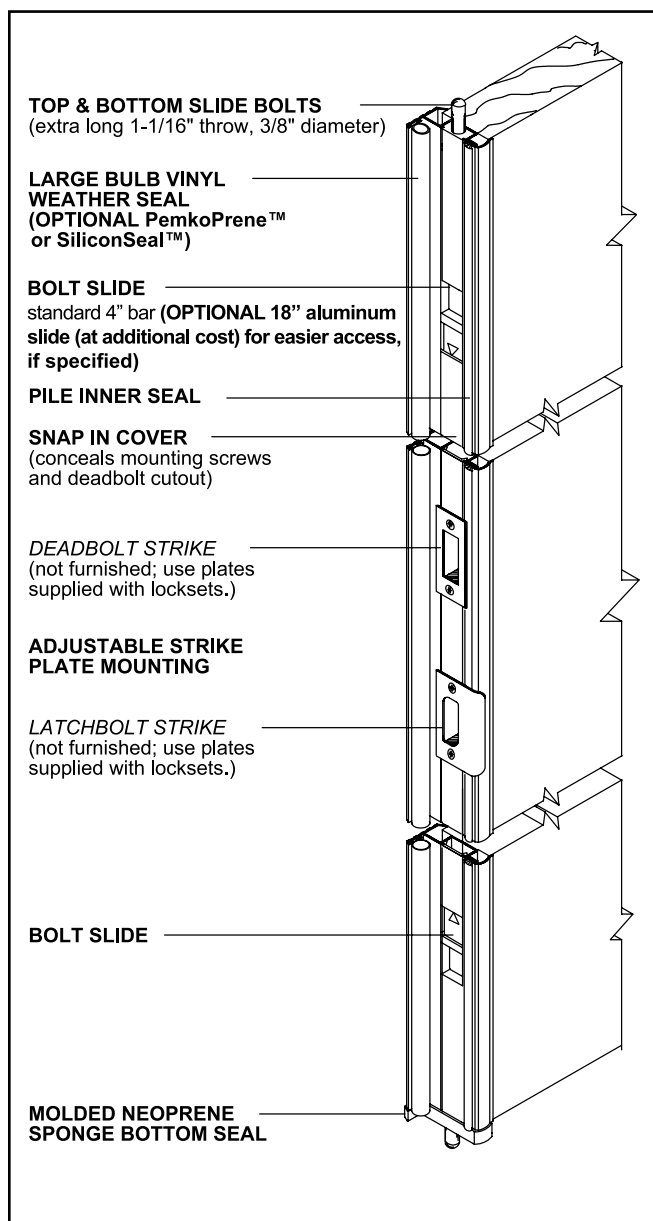


Illustration not to scale.

Colonial and Colonial with Thermal Break Styles

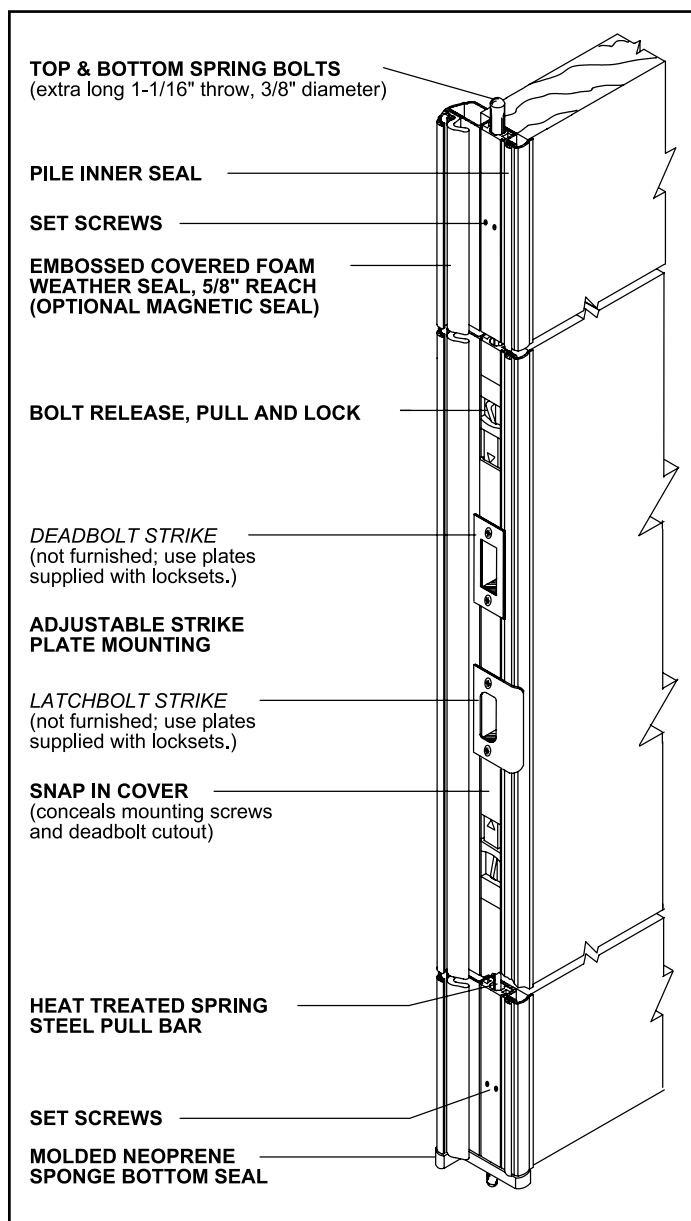


Illustration not to scale.

Slide Bolt Option

- Odd numbered astragals (3493, 3495 and 3497) have smooth acting slide bolts. The 3493 is shown above. They are operated by pushing the slide bolts (located at the top and bottom of the astragal) up and down to extend or retract the bolts. Slide bolts are now available 18 inches from the top/bottom (at additional cost) for easier access (specify "L" at the end of the product number for this option i.e. 3495_Q96L).

Locking Spring Bolt Option

- Even numbered astragals (3494, 3496 and 3498) have locking spring bolts. The 3496 is shown above. They are operated by pushing the bolt releases (conveniently located near the middle of the astragal). The spring loaded bolts extend and automatically latch in the extended position. To retract the bolt throws, press the releases and pull the two latching pulls toward the center of the door. The bolts also automatically latch in the retracted position.

ASTRAGALS AND MEETING STILES

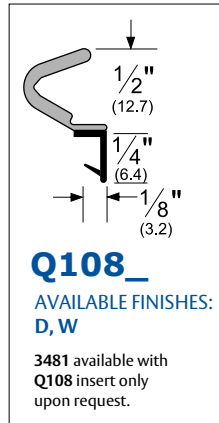
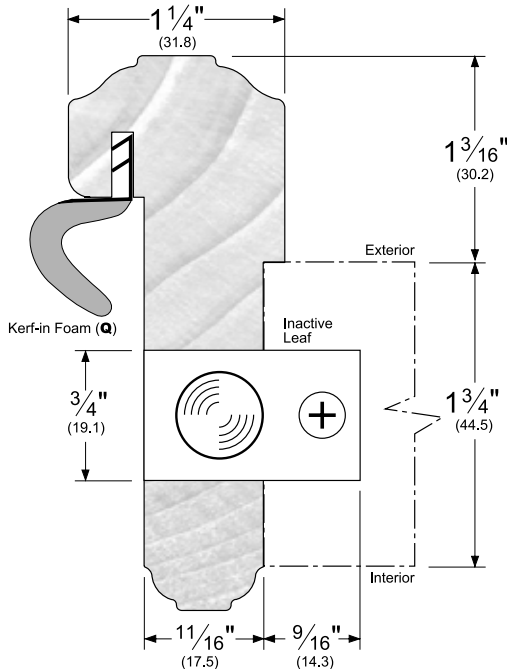
Locking Wood Astragals

- The two (2) wood options are: **FIR**: Clear fir, stain grade, no knots on visible surfaces. **OAK**: Clear oak, stain grade, no knots on visible surfaces.
- 3481**'s are supplied with a hardware kit including: Two (2) bright brass sliding type flush bolt assemblies (5/16" diameter x 1" long throw bolt) and one 1/2" thick sponge neoprene bottom seal with double faced adhesive for attachment (non-handed).

3481_Q

AVAILABLE FINISHES:

FIR, OAK



Q108_

AVAILABLE FINISHES:
D, W

3481 available with Q108 insert only upon request.

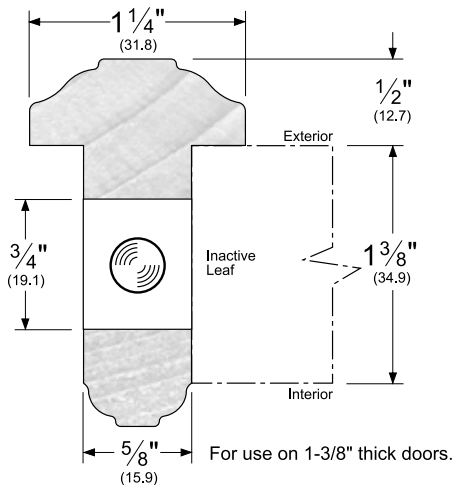
3483_ (0 flush bolts)

34831_ (1 flush bolt)

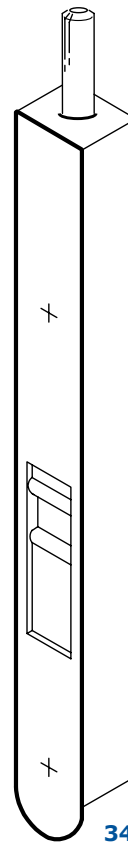
34832_ (2 flush bolts)

AVAILABLE FINISHES:

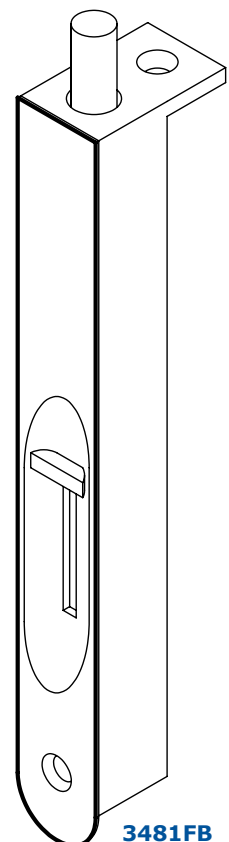
FIR, OAK



- Flush bolt face plates for **3483FB** are 3/4" x 7". Face plates for **3481FB** are 3/4" x 6".
- A 3/4" x 9/16" x 1/8" notch at the top of the door is required for the flush bolt mounting flange on **3481FB**.
- Flush bolt assemblies for locking wood astragals can be purchased separately.



3483FB



3481FB

Illustrations not to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

Wood Options: **FIR** (Natural Wood) • **OAK** (Natural Wood)

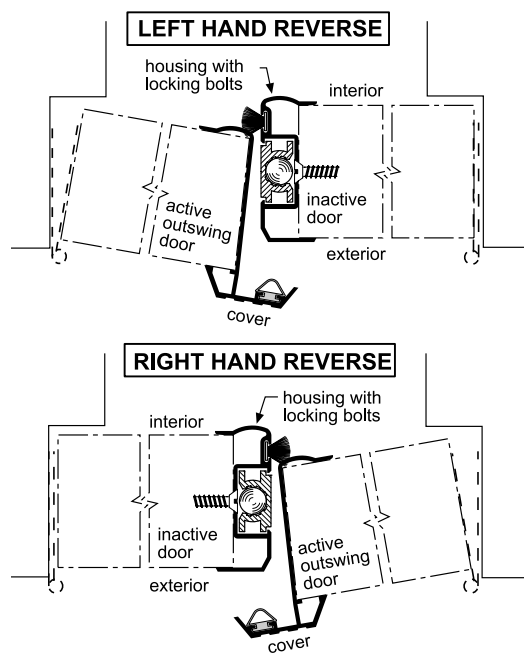
Special finishes available upon request • Kerf Colors: **D** (Dark Brown) • **W** (White)

Outswing Locking Astragals

- Weatherstripped astragals with locking spring bolts or slide bolts for 1-3/4" outswing residential and office suite double entrance doors. Slide bolts are now 18 inches (if specified) from the top/bottom for easier access.
- Outswing astragals consist of two units: a housing containing the locking bolts (which fastens to the inactive leaf), and a "T" astragal with a seal (which fastens to the active leaf).
- Choose from two locking options: Odd numbered astragals have economical smooth acting slide bolts. Even numbered astragals have locking spring bolts. Both have full 3/8" diameter steel bolts with 1-1/16" throw for improved locking strength. In the extended and locked position, locking spring bolts cannot be easily retracted by tampering. In the retracted position, the spring loaded bolts latch firmly, thus preventing marking of the floor and door header trim when opening or closing the inactive door.
- Choose from four style options: slimline, slimline with thermal break, colonial and colonial with thermal break.
- The slimline styles are available with silicone (S) insert. The colonial styles are available with Q103 kerf-in foam (Q) insert.
- All come with a vinyl snap-in cover strip to conceal the cutout and to cover the mounting screws.
- All feature four-way adjustable strike plate mounting for latchbolt and dead-bolt.
- All styles come with a pile seal at inner door edge and a molded sponge neoprene bottom seal.
- Each astragal comes complete with an installation kit and detailed instructions.

- Specify punchout locations using the punchout forms on pages 87-88. Please fax the appropriate form(s) with your order.
- Specify handing using the handing chart below.

Handing Chart For Astragals (For pages 84-86)



- An astragal is handed by the hand of the active door. The hand of the active door is determined by the position of the hinges on the door, when viewed from the outside (the key side).

Please refer to the listings under each product for stocked finishes. See the General Information section for a complete list of all Pemko stocked and non-stocked finishes. Contact the factory for the price and availability of non-stocked finishes.

Slimline Style

Slimline style with slide bolt

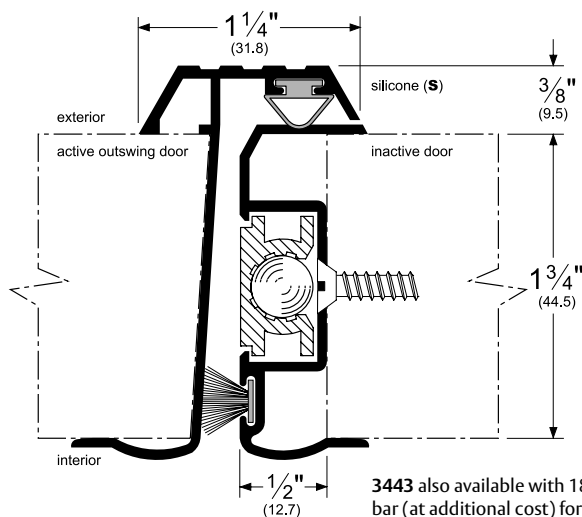
Slimline style with locking spring bolt

3443_S

AVAILABLE FINISHES:
C, D, PW

3444_S

AVAILABLE FINISHES:
C, D, PW



3443 also available with 18" aluminum bar (at additional cost) for easier access (specify "L" at the end of the product number for this option i.e. 3443_S96L).

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized) • PW (Painted White)

Special finishes available upon request

ASTRAGALS AND MEETING STILES

Outswing Locking Astragals (Cont.)

Colonial Style

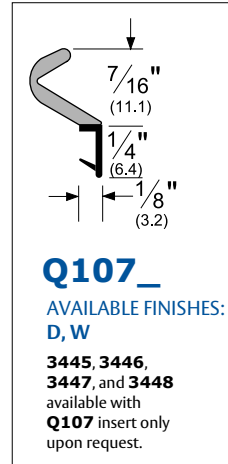
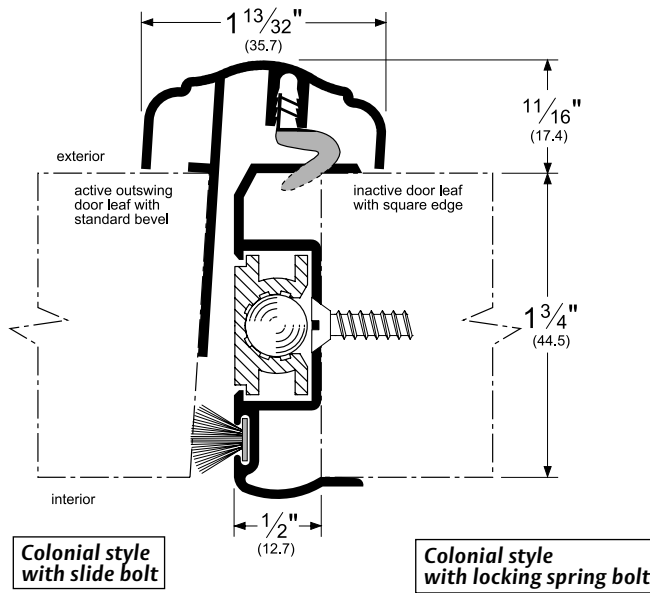
3445_Q

AVAILABLE FINISH:
PW

3446_Q

AVAILABLE FINISH:
PW

Colonial style and colonial style with thermal break can be used when the active outswing door leaf has a square edge.



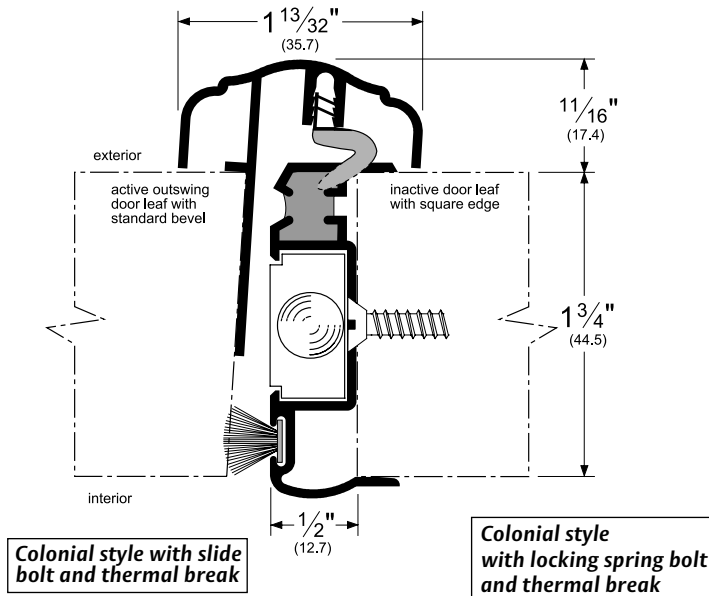
Colonial Style with Thermal Break

3447_Q

AVAILABLE FINISH:
PW

3448_Q

AVAILABLE FINISH:
PW



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

BDG (Bright Dip Gold Anodized) • PW (Painted White) • Special finishes available upon request
Kerf Colors: D (Dark Brown) • W (White)

ASTRAGALS AND MEETING STILES

3493,3494,3495,3496,3497,3498

INSWING ASTRAGAL PUNCHING

PART NO.

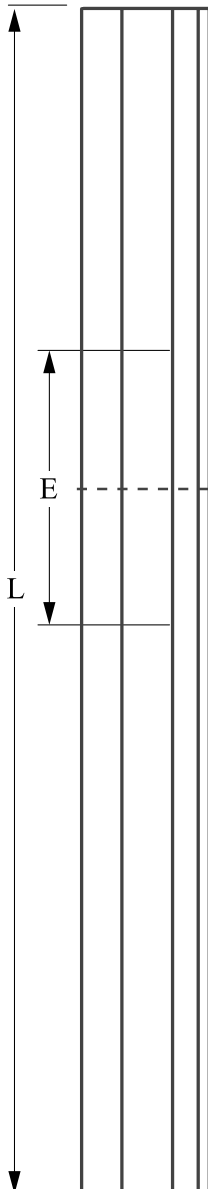
CUSTOMER

PEMKO ORDER NO.

CUSTOMER P.O. NO.

DATE

LEFT HAND



NOTE: IF CUTOUT "E" IS NOT REQUIRED
WRITE "NONE" IN THE BOX

EA

CHECK HAND

LH

RH



DIM. "A", TOP TO
CENTERLINE OF
DEADBOLT FACE
CUTOUT

A

DIM. "B", CENTER
TO CENTER
BETWEEN
DEADBOLT AND
LATCHBOLT FACE

B

NOTE:
DEADBOLT AND LATCHBOLT
FACE CUTOUTS ARE
3/4" WIDE x 2" HIGH
THE WIDTH IS CONSTANT, BUT
THE HEIGHT CAN BE GREATER IF
REQUIRED,

SPECIFY
DIM. "C" AND/OR DIM. "D"

C

D

OR ONE CONTINUOUS PUNCHOUT
CAN BE USED TO COVER BOTH
BOLTS (USE DIM. "C" BOX)

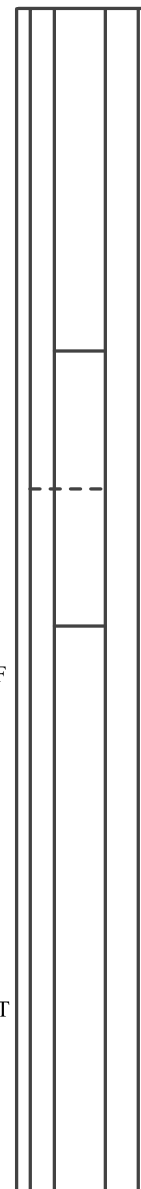
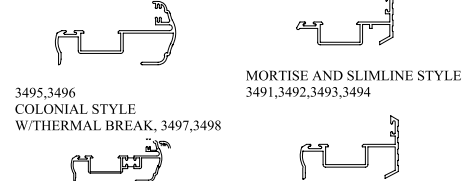
LENGTH "L" IN INCHES

L

NON-RETURNABLE

APPROVED BY:
DATE:

RIGHT HAND



NOTE: IF ONLY ONE LATCH FACE CUTOUT IS
REQUIRED, WRITE "0" IN BOX "B" AND "NONE"
IN BOX "D".

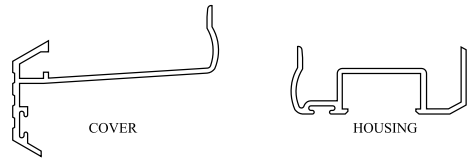
ASTRAGALS AND MEETING STILES

ASTRAGALS AND MEETING STILES

ASTRAGALS AND MEETING STILES

| | | | |
|---|--|----------------------------|------|
| 3441,3442,3443,3444,3445,3446,3447,3448 | | OUTSWING ASTRAGAL PUNCHING | |
| PART NO. | | CUSTOMER | |
| PEMKO ORDER NO. | | CUSTOMER P.O. NO. | DATE |

LEFT HAND REVERSE



EA

QUANTITY

CHECK HAND

LHR
RHR

DIM. "A", TOP TO CENTERLINE OF DEADBOLT FACE CUTOUT

A

DIM. "B", CENTER TO CENTER BETWEEN DEADBOLT AND LATCHBOLT FACE CUTOUTS

B

NOTE:
DEADBOLT AND LATCHBOLT FACE CUTOUTS ARE 1-1/8" WIDE x 2-1/4" HIGH THE WIDTH IS CONSTANT, BUT THE HEIGHT CAN BE GREATER IF REQUIRED.

SPECIFY DIM."C" AND/OR DIM. "D"

C

D

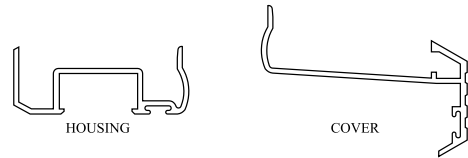
LENGTH "L" IN INCHES

L

CUTOUT "E" IS 3/4" X 4" SPECIFY IF CUTOUT LONGER THAN 4" IS REQUIRED

E

RIGHT HAND REVERSE



DIM. "A", TOP TO CENTERLINE OF DEADBOLT FACE CUTOUT

A

DIM. "B", CENTER TO CENTER BETWEEN DEADBOLT AND LATCHBOLT FACE CUTOUTS

B

SPECIFY DIM."C" AND/OR DIM. "D"

C

D

LENGTH "L" IN INCHES

L

CUTOUT "E" IS 3/4" X 4" SPECIFY IF CUTOUT LONGER THAN 4" IS REQUIRED

E

FORM: CUST. AP-03 Rev. 3, 10-29-02

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ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

BRUSH GASKETING

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| 90° Aluminum Retainers | 92 |
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180° Aluminum Retainers

- All brush seals consist of densely compressed nylon filaments encased in high quality aluminum retainers. These products are ideally suited for hollow metal and wood door (in-door sweep, jamb/header gasketing, and split astragal) applications. Also use Pemko's brush weatherstripping products on overhead doors, sectional doors, sliding doors, and automatic doors.
- All brush seals greatly reduce the infiltration of light, air, wind, rain, and snow; prevent heat loss; control the penetration of smoke and fumes.
- Some brush products are now available in painted white aluminum with white colored nylon brush (example: **18062PWNB**).
- The dense nylon filaments conform to the contours of every sealing surface, providing a superior seal with extremely low closing force.
- Brush remains flexible down to -40°F and has a melting point above 400°F.
- UV stabilized, dependable, long-lasting, cost-effective.
- Nylon brush insert is designated by a "NB" following the finish code.
- All brush seals come with #6 x 5/8" stainless steel sheet metal screws.
- BHMA logo represents products that meet the requirements of **ANSI/BHMA 156.22-2003 for latching force and air infiltration**.
- Punched with slotted holes for adjustment (except 35° angle types which are drilled with 1/8" hole).
- All clear anodized brush products are supplied with gray brush (available with black brush upon request). Other finishes supplied with black brush.

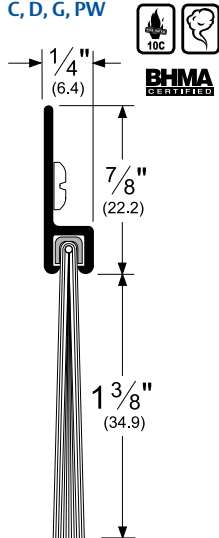
18950_NB

AVAILABLE FINISHES:
C, D



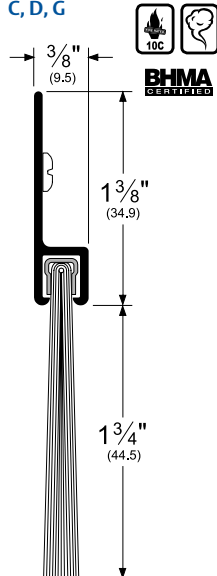
18137_NB

AVAILABLE FINISHES:
C, D, G, PW



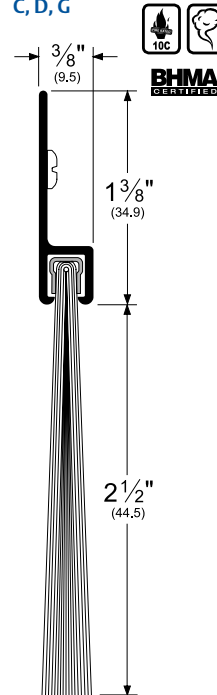
18175_NB

AVAILABLE FINISHES:
C, D, G



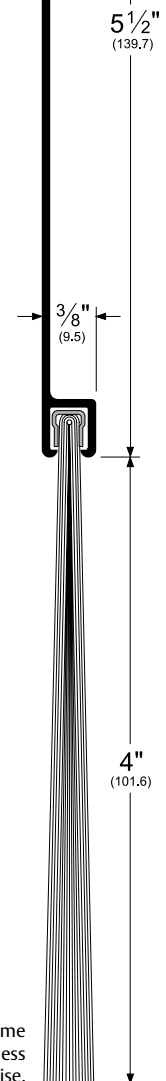
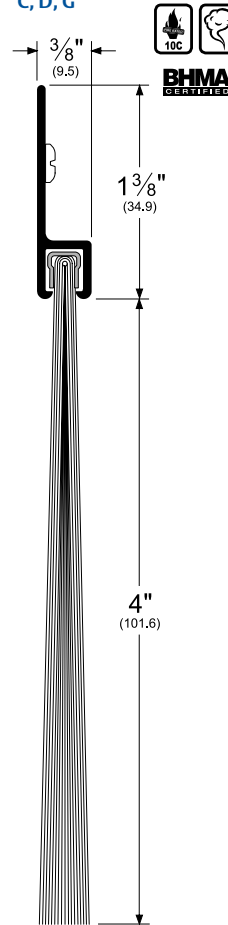
18250_NB

AVAILABLE FINISHES:
C, D, G



18400_NB

AVAILABLE FINISHES:
C, D, G



18950_NB does not come punched or drilled unless specified otherwise.

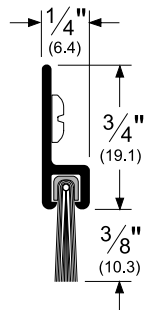
▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White)

180° Aluminum Retainers (Cont.)

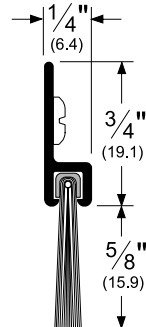
18041_NB

AVAILABLE FINISHES:
C, D, G, SN



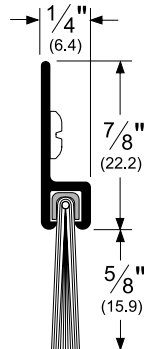
18061_NB

AVAILABLE FINISHES:
C, D, G, SN



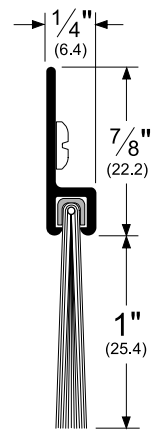
18062_NB

AVAILABLE FINISHES:
C, D, G, PW



18100_NB

AVAILABLE FINISHES:
C, D, G, PW



ALTERNATE INSERT FOR 18041

18041_SB

AVAILABLE FINISHES:
C, D, G, SN



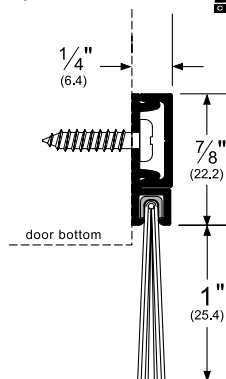
soft brush (SB)

180° Concealed Fastener Retainers

- Aluminum snap cover conceals mounting screws to provide a clean aesthetic appearance.
- Covers snap securely into place to deter vandalism.
- All clear anodized brush products are supplied with gray brush (available with black brush upon request). Other finishes supplied with black brush.

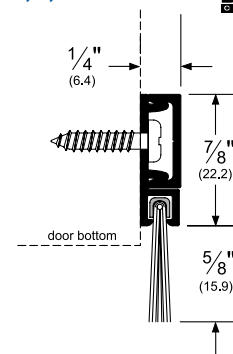
293100_NB

AVAILABLE FINISHES:
C, D



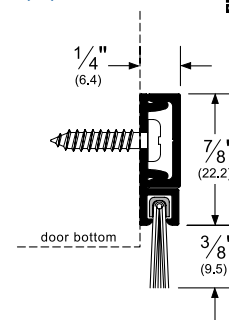
29326_NB

AVAILABLE FINISHES:
C, D, G



29324_NB

AVAILABLE FINISHES:
C, D, G



ALTERNATE INSERT FOR 29324

29324_SB

AVAILABLE FINISHES:
C, D



soft brush (SB)

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

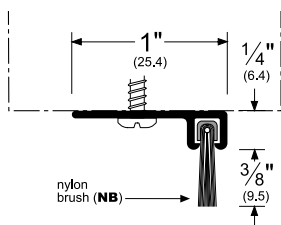
C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White) • SN (Satin Nickel Anodized)

90° Aluminum Retainers

- Design permits use as a concealed seal for many applications.
- Slotted holes for adjustment.
- See the information section at top of page 90 for additional data on the brush weatherstrip shown on this page.

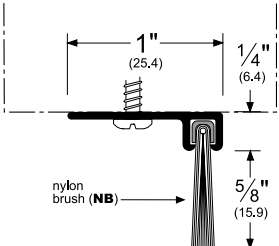
90041_NB

AVAILABLE FINISHES:
C, D



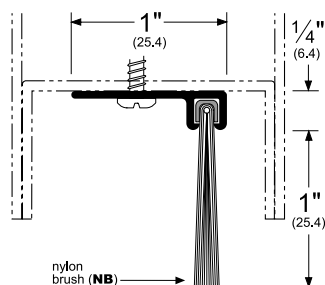
90062_NB

AVAILABLE FINISHES:
C, D



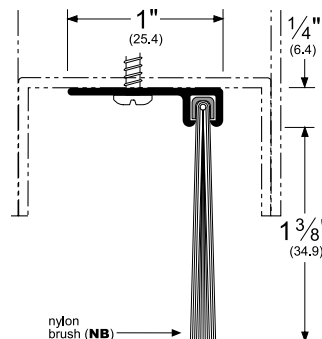
90100_NB

AVAILABLE FINISHES:
C, D, G



90137_NB

AVAILABLE FINISHES:
C, D, G



ALTERNATE INSERT FOR 90041

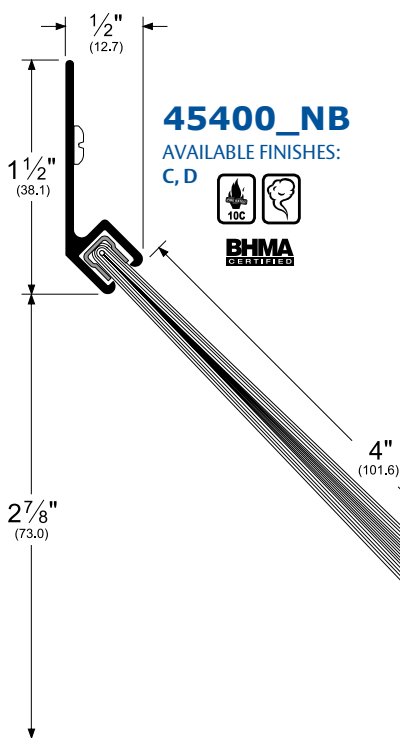
90041_SB

AVAILABLE FINISHES:
C, D



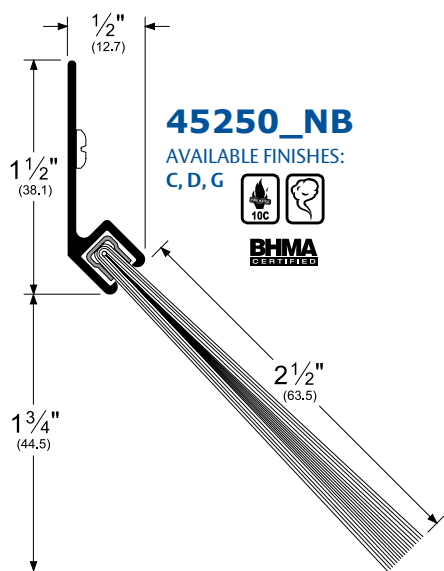
45° Aluminum Retainers

- BHMA logo represents products that meet the requirements of ANSI/BHMA 156.22-2003 for latching force and air infiltration.
- See the information section at the top of page 90 for additional data on the brush weatherstrip shown on this page.



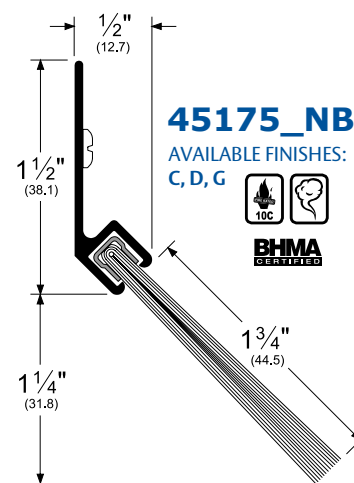
45400_NB

AVAILABLE FINISHES:
C, D



45250_NB

AVAILABLE FINISHES:
C, D, G



45175_NB

AVAILABLE FINISHES:
C, D, G

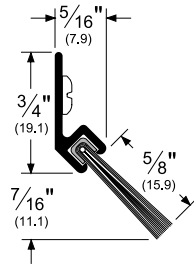


▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

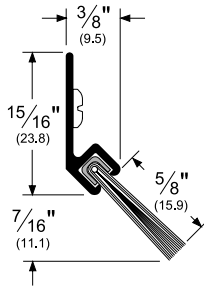
C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)

45° Aluminum Retainers (Cont.)

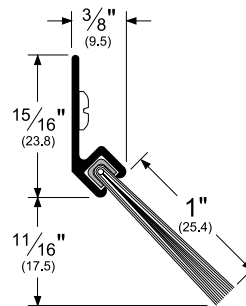
45061_NB 
AVAILABLE FINISHES:
C, D, G, SN



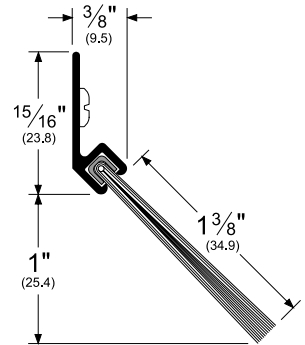
45062_NB 
AVAILABLE FINISHES:
C, D, G, PW



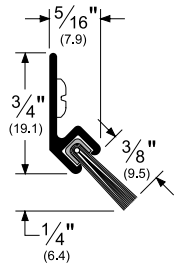
45100_NB 
AVAILABLE FINISHES:
C, D, G, PW



45137_NB 
AVAILABLE FINISHES:
C, D, PW



45041_NB 
AVAILABLE FINISHES:
C, D, G, SN



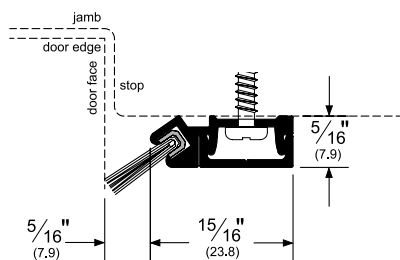
ALTERNATE INSERT FOR 45041



45041_SB
AVAILABLE FINISHES:
C, D, G, SN

45° Concealed Fastener Retainers

29344_NB 
AVAILABLE FINISHES:
C, D

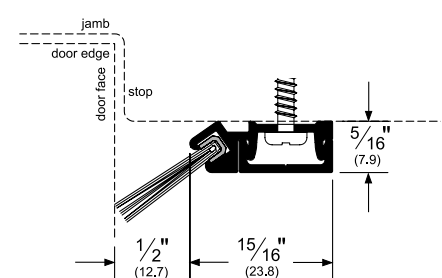


ALTERNATE INSERT FOR 29344

29344_SB
AVAILABLE FINISHES:
C, D



29346_NB 
AVAILABLE FINISHES:
C, D



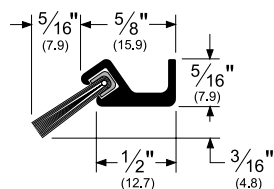
▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White) • SN (Satin Nickel Anodized)

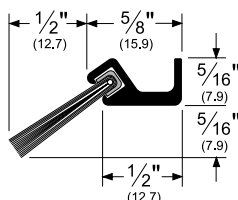
35° Aluminum Retainers

- These products have 1/8" drilled fastener holes.

35041_NB
AVAILABLE FINISHES:
C, D, G



35061_NB
AVAILABLE FINISHES:
C, D, G



ALTERNATE INSERT FOR 35041

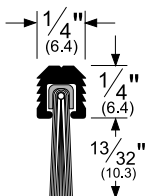


35041_SB
AVAILABLE FINISHES:
C, D, G

Mortise Retainers

- The ultimate design for concealed weatherstrip needs.
- Can be used on doors, windows and more.
- BHMA logo represents products that meet the requirements of ANSI/BHMA 156.22-2003 for latching force and air infiltration.
- All clear anodized brush products are supplied with gray brush (available with black brush upon request). Other finishes supplied with black brush.

5041_NB
AVAILABLE FINISH:
A

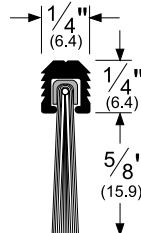


ALTERNATE INSERT FOR 5041

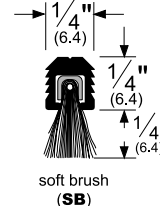


5041_SB
AVAILABLE FINISHES:
A

5061_NB
AVAILABLE FINISH:
A

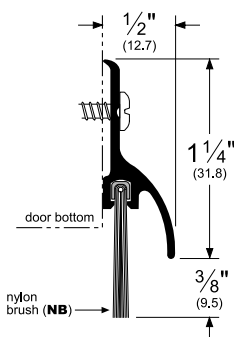


5025_SB
AVAILABLE FINISH:
A

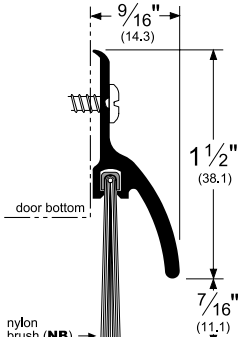


Aluminum Retainers with Rain Drip

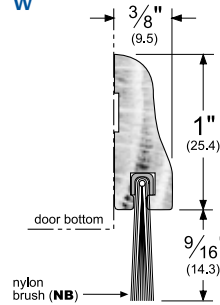
3452_NB
AVAILABLE FINISHES:
BDG, C, D, G, PW, SN



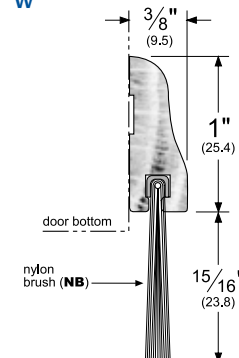
345_NB
AVAILABLE FINISHES:
A, BDG, D, G, PW



18062WNB
AVAILABLE FINISH:
W



18100WNB
AVAILABLE FINISH:
W

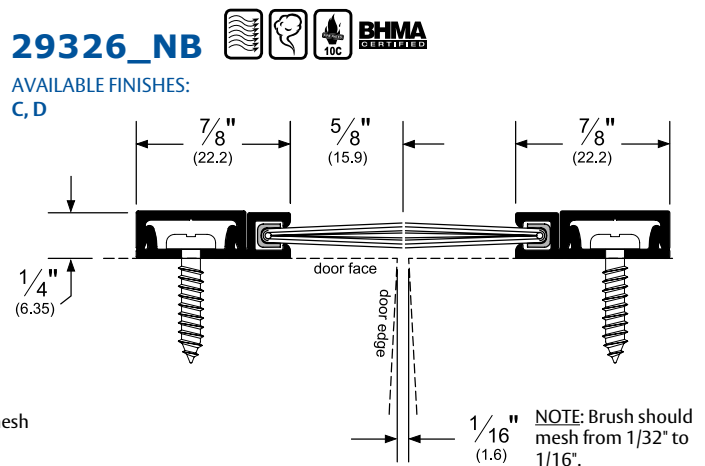
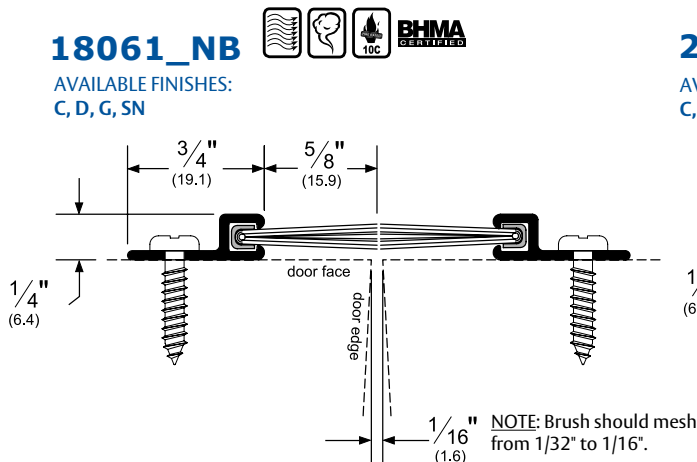
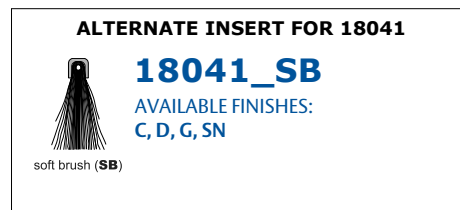
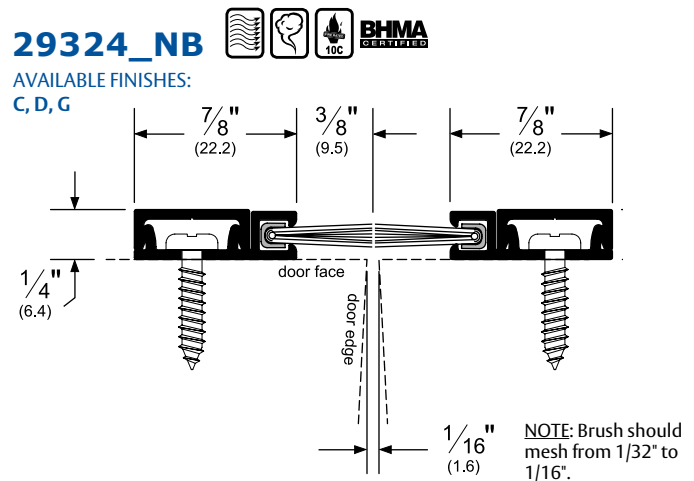
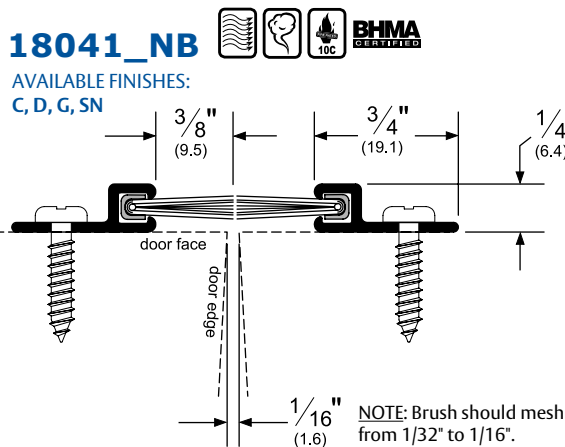


▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)
PW (Painted White) • SN (Satin Nickel Anodized) • W (Solid Oak)

Meeting Stiles

- Astragals and meeting stiles on double doors often present problems because of complex conditions and requirements. Pemko offers some simple and inexpensive solutions as well as more detailed ones. Each job should be carefully studied as to the specific requirements when selecting the appropriate gasketing. Note that some astragals consist of two parts, one for each door, and should be ordered as such.
- Astragals and meeting stiles with a fire label may be mounted on pairs of doors wherein the gap meets the requirements of NFPA 80, 2-3.1.7 "The clearance between...the meeting edges of doors swinging in pairs on the pull side shall be $1/8" \pm 1/16"$ (3.18mm \pm 1.59mm) for steel doors and shall not exceed $1/8"$ (3.18mm) for wood doors."
- All clear anodized brush products are supplied with gray brush (available with black brush upon request). Other finishes supplied with black brush.
- BHMA logo represents products that meet the requirements of ANSI/BHMA 156.22-2003 for latching force and air infiltration.
- Snap covering helps prevent vandalism and adds an attractive finished look by concealing the fasteners.
- NOTE: Although drawn with a gap between the brushes, when these products are installed, brushes SHOULD make slight contact.



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

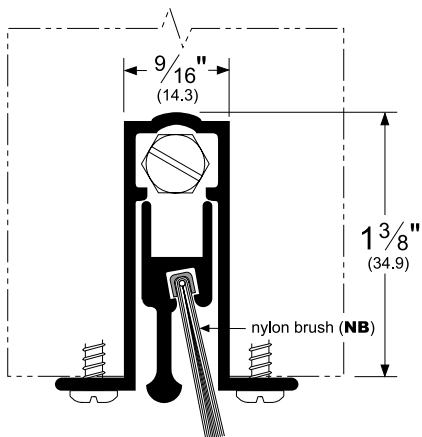
C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • SN (Satin Nickel Anodized)

Automatic Door Bottoms

- When ordering, please specify if the automatic door bottom is for a semi-mortise application so that shorter screws can be provided.
- BHMA logo represents products that meet the requirements of ANSI/BHMA 156.22-2003 for latching force and air infiltration.
- All clear anodized brush products are supplied with gray brush (available with black brush upon request). Other finishes supplied with black brush.

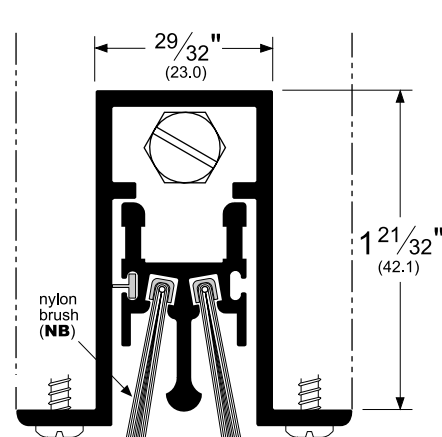
411_NBL

AVAILABLE FINISH:
A



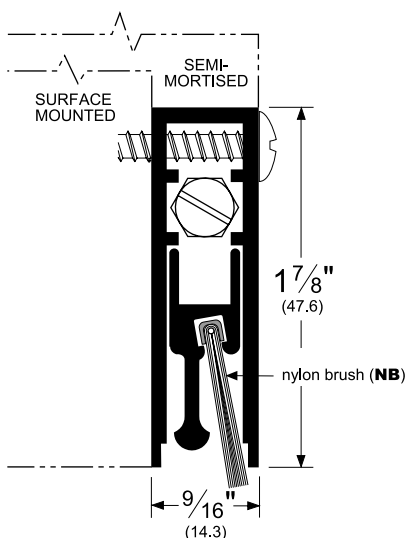
434_NBL

AVAILABLE FINISH:
A



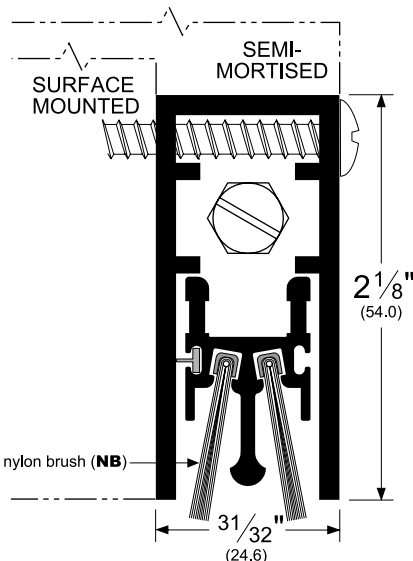
4131_NBL

AVAILABLE FINISHES:
BDG, C, D, G, SN



4301_NBL

AVAILABLE FINISHES:
C, D



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • SN (Satin Nickel Anodized)

PERIMETER GASKETING

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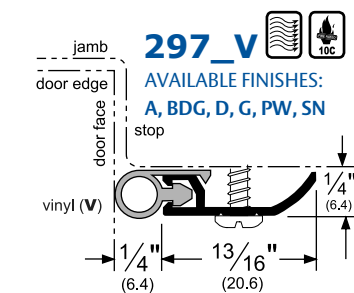
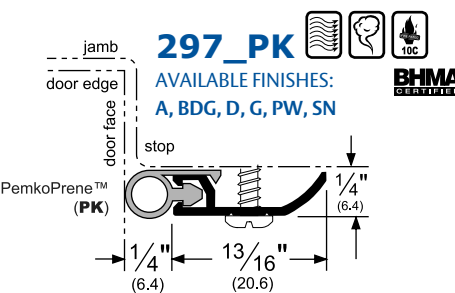
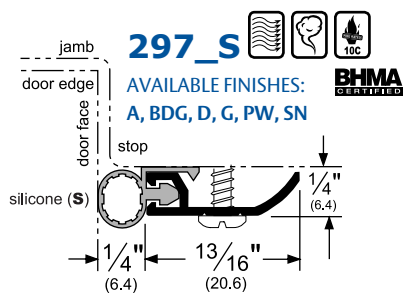
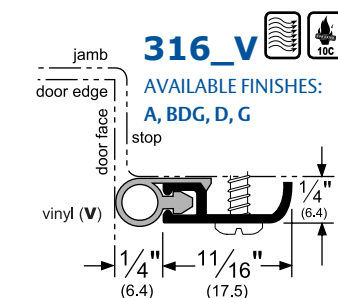
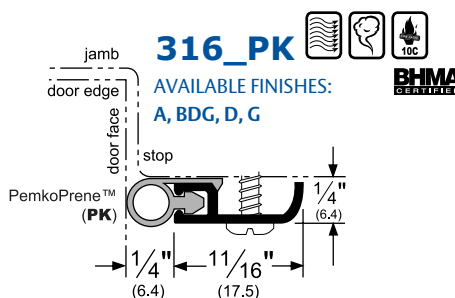
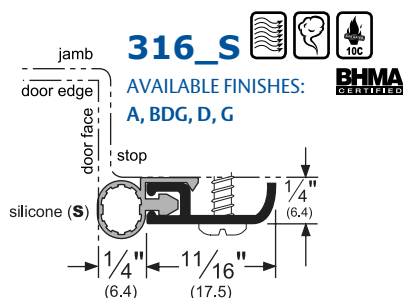
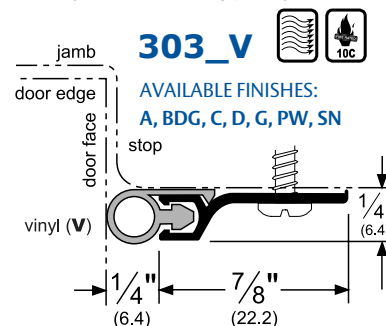
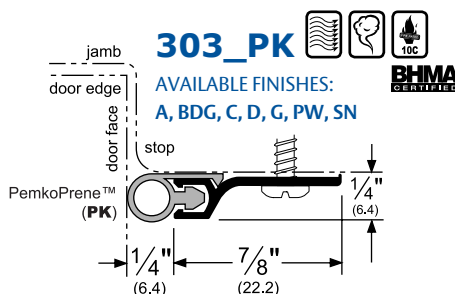
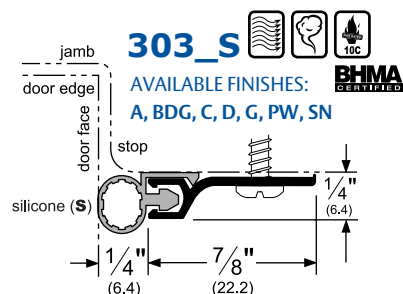
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PERIMETER GASKETING

Standard Perimeter Gasketing

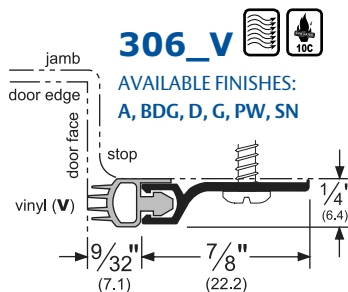
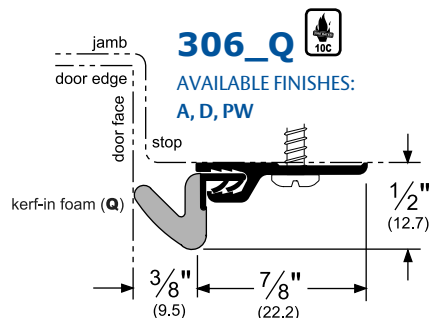
- Rigid jamb weatherstrip shown mounted on openings with 1/16" gaps; however, each weatherstrip can seal gaps up to the depth of its seal. Seal depth provided on each illustration (example: the 303 has a 1/4" seal; therefore, it can seal up to a 1/4" gap).
- Punched on 6" centers with slotted holes for adjustment.
- Stainless steel fasteners are standard.
- Other fasteners are available.
- Models 294 and 303 are available with self-adhesive two-sided tape (TST) and tek screws (3 slotted holes per part) for easy installation. To obtain this option, add "TST" to the end of the part when ordering (example: 303AVTST).



Satin Nickel finished product supplied with BLACK insert. GRAY available upon request.

Satin Nickel finished product supplied with BLACK insert. GRAY available upon request.

Satin Nickel finished product supplied with BLACK insert. GRAY available upon request.



Minimum space between the door face and the stop is 3/16"; maximum space is 5/16".

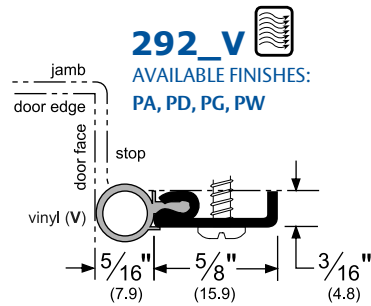
NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

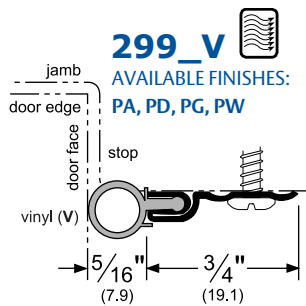
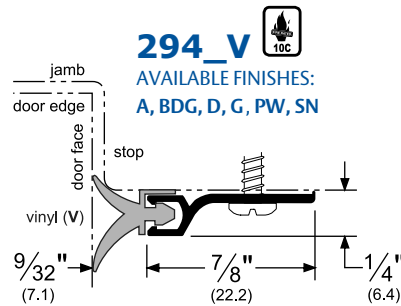
A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White) • SN (Satin Nickel Anodized)

Standard Perimeter Gasketing (Cont.)

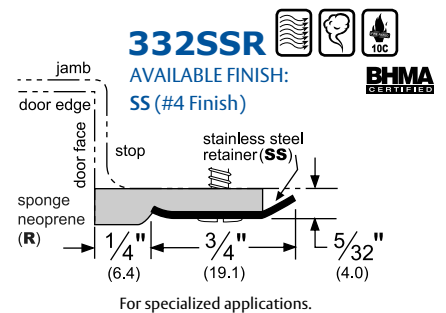
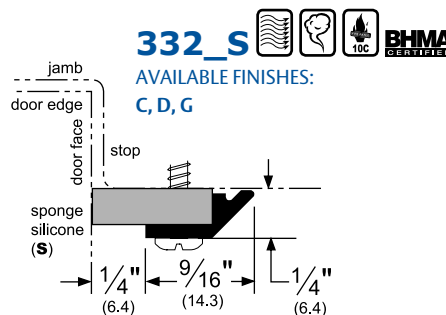
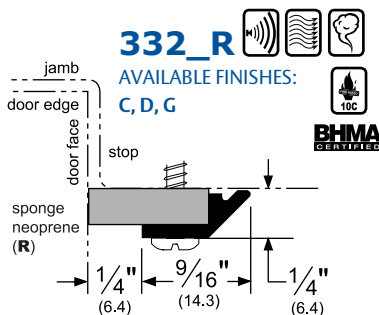
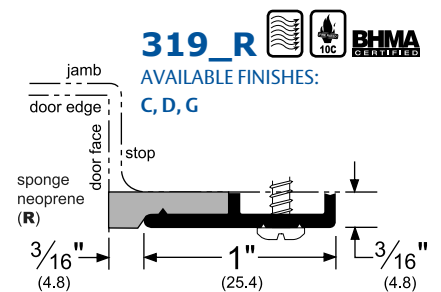
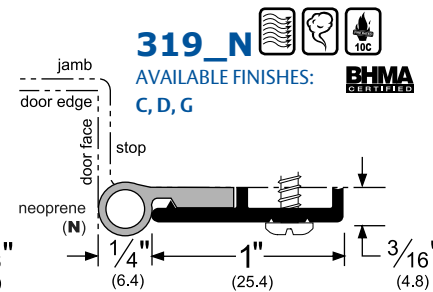
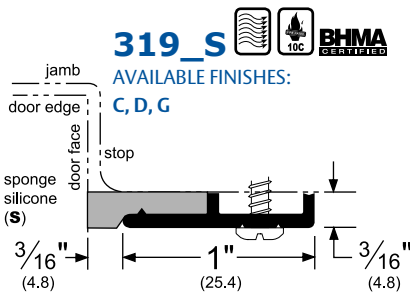
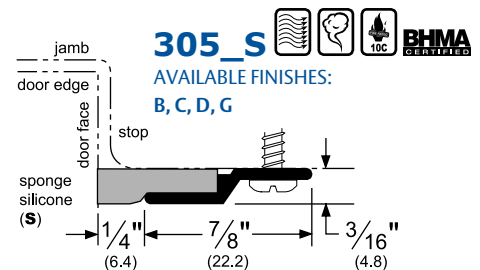
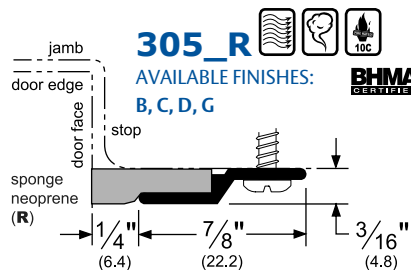
- "R" is an extruded closed cell sponge neoprene insert, meeting MIL R6130C Type II Grade C material.
- Heavy duty extruded aluminum and temperature resistant closed cell sponge silicone provides a commercial quality seal against the elements.



Available only in 36", 72", 80", 84" and 96" lengths.



Available only in 36", 72", 80", 84" and 96" lengths.



NOTE: Products shown in this section may not be drawn to scale.

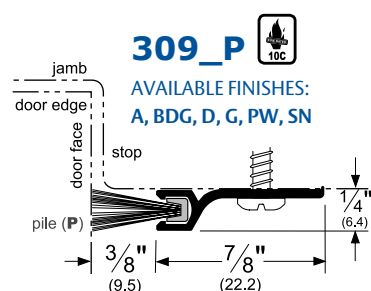
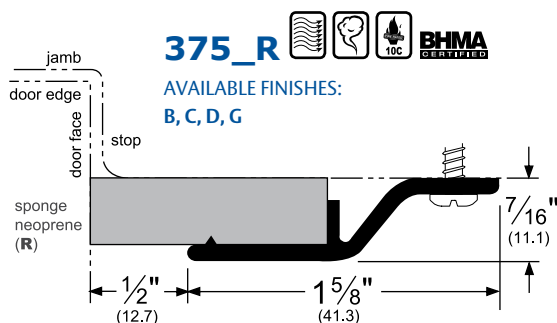
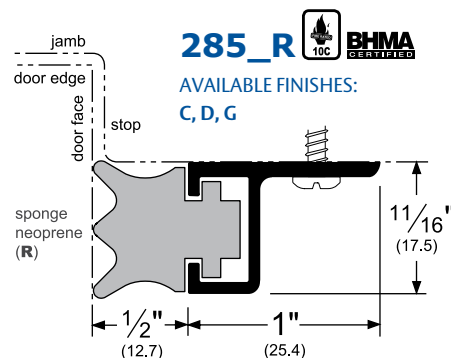
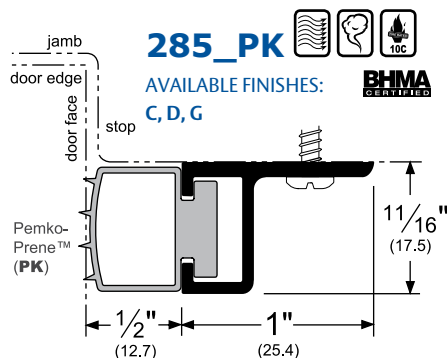
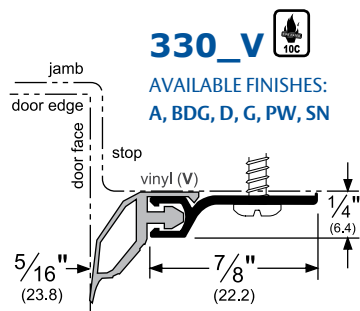
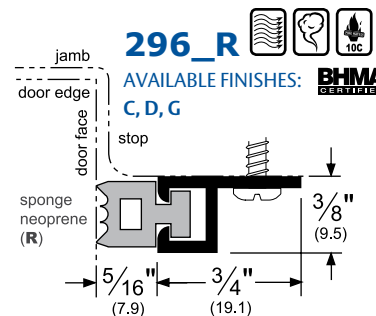
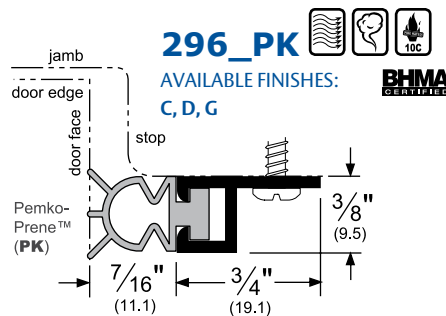
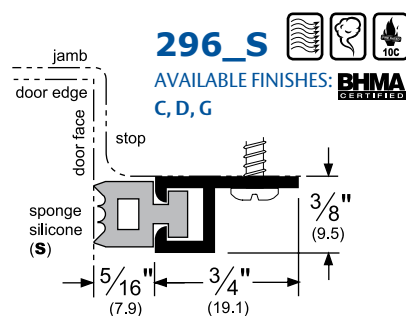
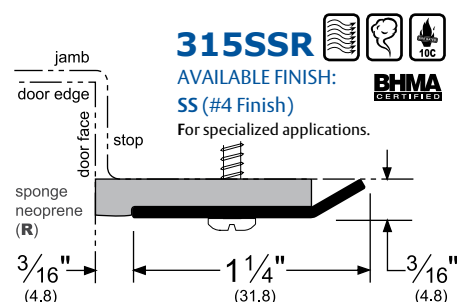
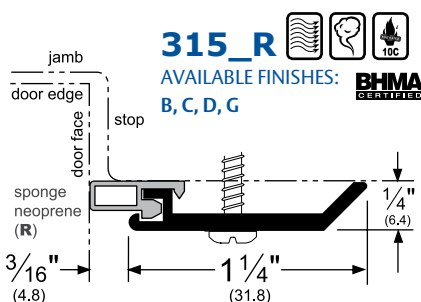
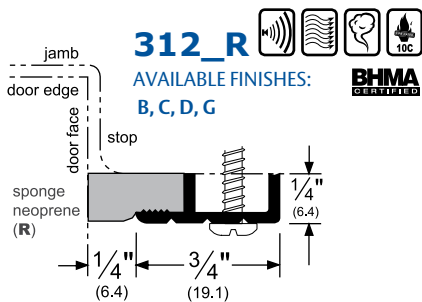
▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)
PA (Mill Finish Aluminum) • PD (Painted Dark Bronze) • PG (Painted Gold) • PW (Painted White) • SN (Satin Nickel Anodized) • SS (See Individual Part)

PERIMETER GASKETING

Standard Perimeter Gasketing (Cont.)

- Rigid jamb weatherstrip shown mounted on openings with 1/16" gaps; however, each weatherstrip can seal gaps up to the depth of its seal. Seal depth provided on each illustration (example: the 309 has a 3/8" seal; therefore, it can seal up to a 3/8" gap).
- Punched on 6" centers with slotted holes for adjustment.
- Stainless steel fasteners are standard.
- Other fasteners are available.



Minimum space between the door face and the stop is 3/16"; maximum space is 5/16".

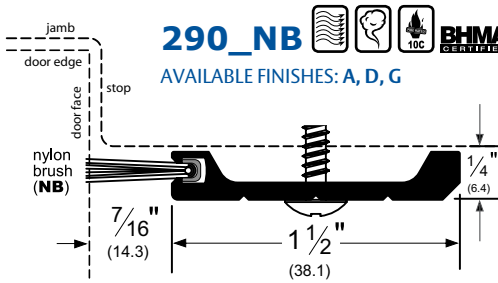
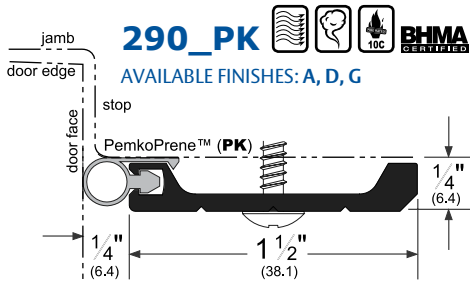
NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White) • SN (Satin Nickel Anodized) • SS (See Individual Part)

Heavy Duty Perimeter Gasketing - Standard Jamb

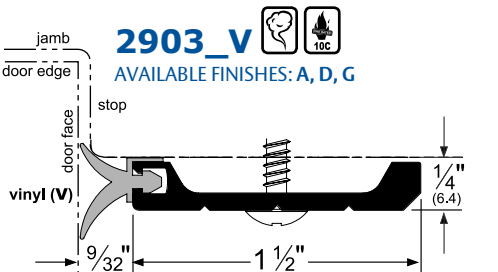
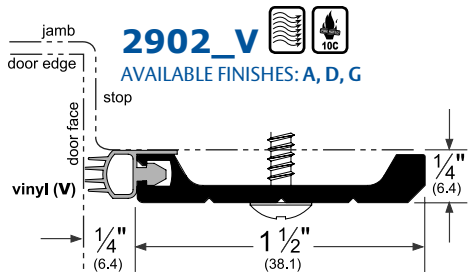
- We have expanded our offering of heavy-duty rigid jamb weatherstripping. The 290_PK, 290_S, 290_V, 2902_V and 2903_V (standard jamb application gasketing) shown in the drawings below are shown in a standard mounting application for the side sections of the jamb.
- All gasketing shown below is sold individually.



ALTERNATE INSERTS FOR 290

290_S **AVAILABLE FINISHES: A, D, G**
silicone (S)

290_V **AVAILABLE FINISHES: A, D, G**
Brass only available with black vinyl insert.
vinyl (V)



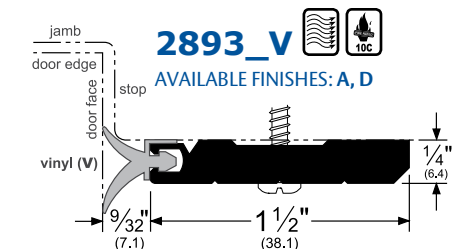
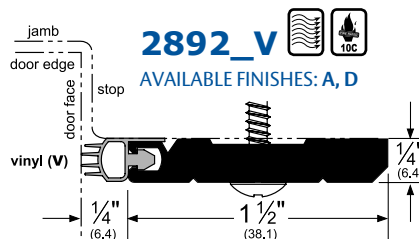
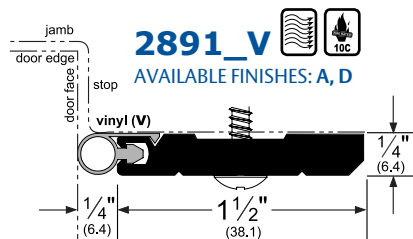
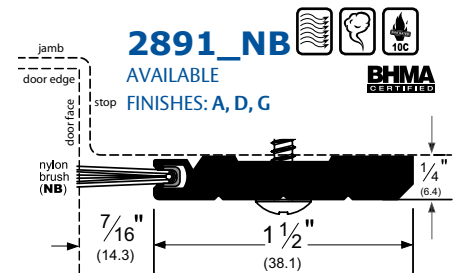
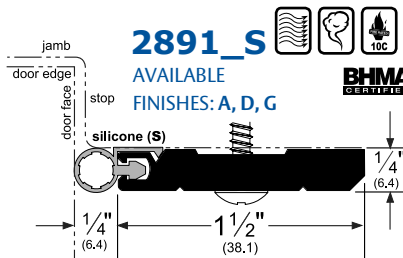
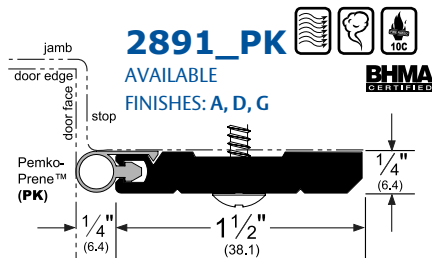
2891_PK
1 per door standard

290_PK
2 per door standard

When ordering a head section such as 2891_PK, two corresponding side sections (290_PK) should also be ordered for the latch and hinge sides of the frame.

Heavy Duty Perimeter Gasketing - Head Section

- The 2891_PK, 2891_S, 2891_V, 2892_V and 2893_V (heavy duty head section application gasketing) shown below have been added for the head section of the frame where a parallel arm closer bracket or other hardware is required. This head member will be supplied undrilled (36°) or drilled (80° and above) and supplied with sheet metal screws for mounting. If used as a stop, flat head machine screws can be provided upon request and take a countersunk 10 hole. Pemko will drill the head member only if drilling instructions for countersink holes are provided. The aluminum retainer is the same for all of these products with five different sealing options.
- All gasketing shown below is sold individually.



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • D (Dark Bronze Anodized) • G (Gold Anodized)

Special finishes available upon request

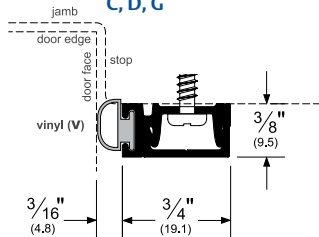
PERIMETER GASKETING

Snap Cover Perimeter Gasketing With Concealed Fasteners

- Low-profile snap cover conceals mounting screws to provide security and a clean aesthetic appearance.
- All clear anodized brush products are supplied with gray brush (black brush available upon request).

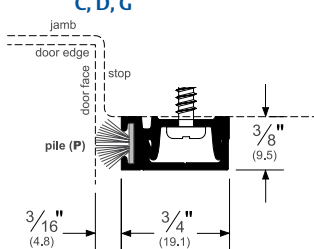
29310_V

AVAILABLE FINISHES:
C, D, G



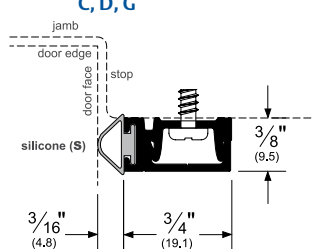
29310_P

AVAILABLE FINISHES:
C, D, G



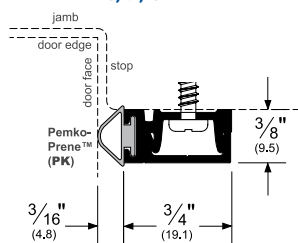
29310_S

AVAILABLE FINISHES:
C, D, G



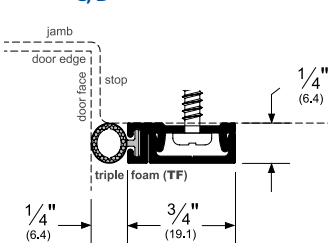
29310_PK

AVAILABLE FINISHES:
C, D, G



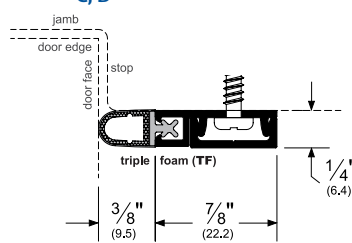
29313_TF

AVAILABLE FINISHES:
C, D



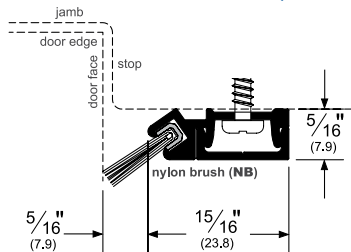
29321_TF

AVAILABLE FINISHES:
C, D



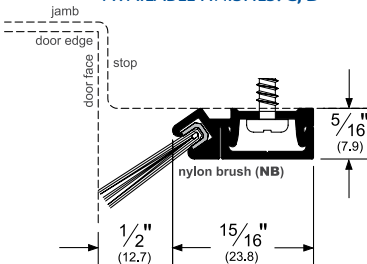
29344_NB

AVAILABLE FINISHES: C, D



29346_NB

AVAILABLE FINISHES: C, D



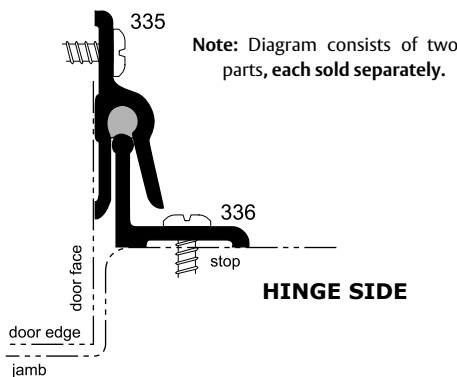
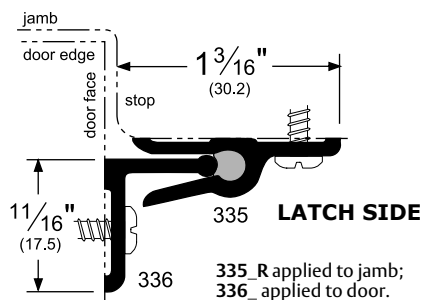
Heavy Duty Interlock

335_R

AVAILABLE FINISHES:
A, D

336_

AVAILABLE FINISHES:
A, D



Note: Diagram consists of two parts, each sold separately.

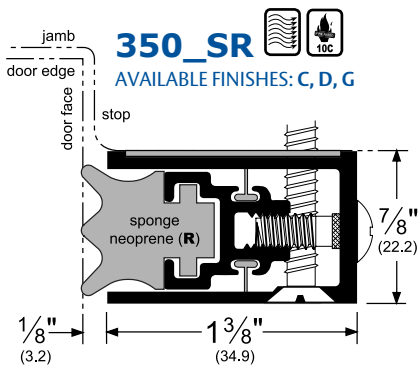
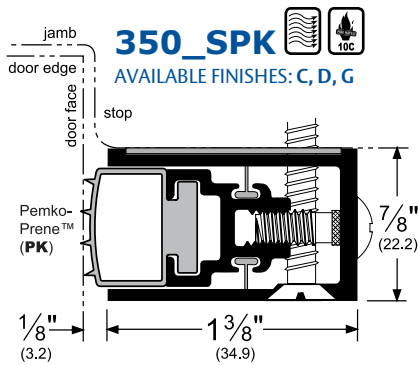
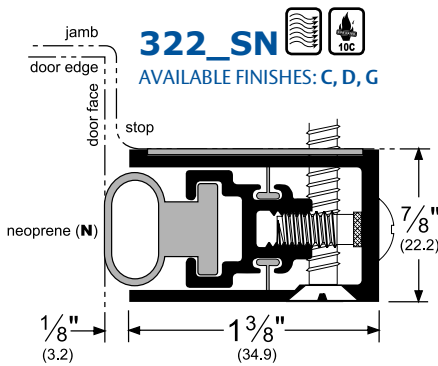
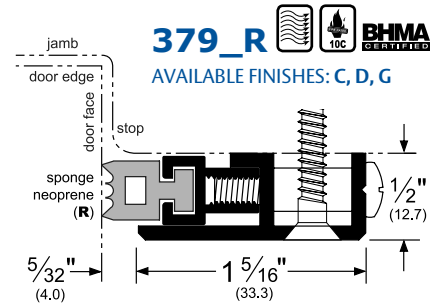
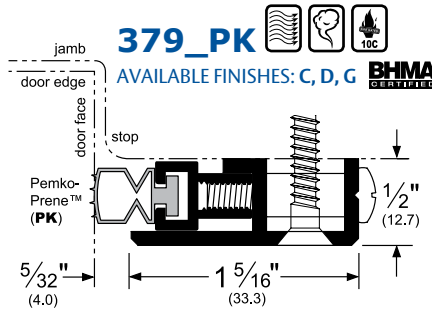
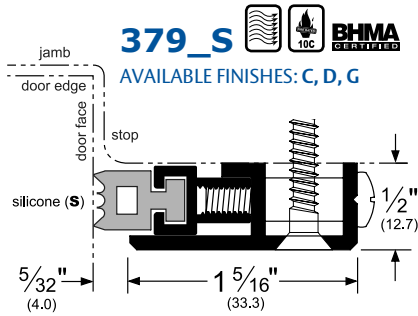
NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)

Adjustable Jamb Weatherstrip

- Adjustable jamb weatherstrip is shown mounted on openings with 1/16" gaps; however, each weatherstrip can seal gaps up to 1/4". Adjustable jamb weatherstrip can adjust 3/16" out from the position illustrated.
- "R" is an extruded closed cell sponge neoprene insert meeting MIL R6130 Class II Grade C material.



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)

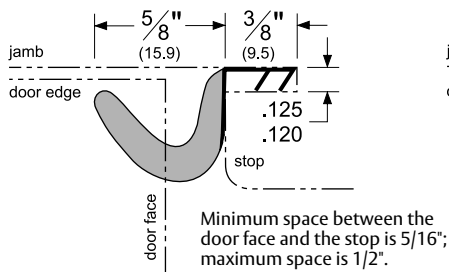
Foam Kerf-In Weatherstrip

- Foam kerf-in weatherstrip is constructed from soft cell foam enclosed by an embossed, tear-resistant, low-friction, UV-stable polyethylene cover.
- Q102, Q103 and Q106 available in 36", 85", 97" and 121" lengths only; Q107 and Q108 are sold per foot.
- Shape and materials conform well to irregularities in door fit and finish for a tight seal and low air infiltration.
- Includes rigid PVC insert with extended flange for fast and easy kerf installation.

Q102_

AVAILABLE FINISHES: D, W

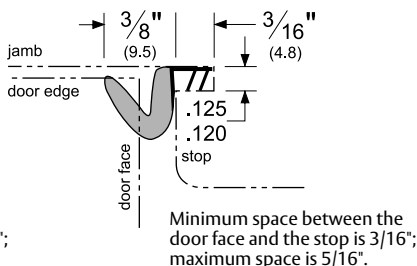
AVAILABLE LENGTHS: 36", 85", 97", 121"



Q103_

AVAILABLE FINISHES: D, W

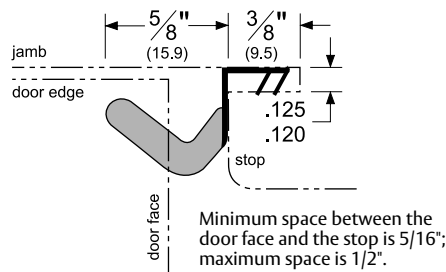
AVAILABLE LENGTHS: 36", 85", 97", 121"



Q106_

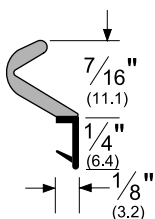
AVAILABLE FINISHES: D, W

AVAILABLE LENGTHS: 36", 85", 97", 121"



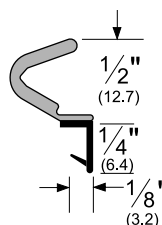
Q107_

AVAILABLE FINISHES: BL, W



Q108_

AVAILABLE FINISHES: BL, W



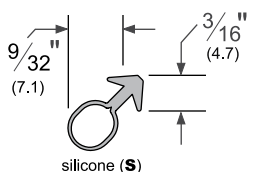
Silicone/Thermoplastic Kerf-In Weatherstrip

- Silicone Kerf-In Weatherstrip is available in 100-foot bulk coils.
- Extruded from high-grade silicone.
- Self-extinguishing and non-toxic.
- Stays flexible well below -100° F and resilient above 400° F.
- Unaffected by sunlight, ozone and ultraviolet rays.
- Impervious to fungus and mildew; will not deteriorate under normal exposure.

S104_

AVAILABLE FINISHES: D, W

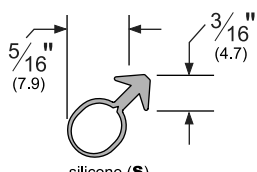
AVAILABLE LENGTHS: 100'



S109_

AVAILABLE FINISHES: D, W

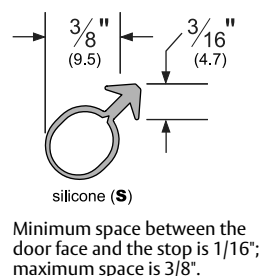
AVAILABLE LENGTHS: 100'



S105_

AVAILABLE FINISHES: D, W

AVAILABLE LENGTHS: 100'



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

BL (Black) • D (Dark Brown) • W (White)

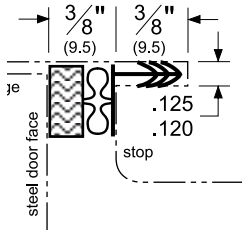
■ Magnetic Kerf-In Weatherstrip

- Magnetic kerf-in weatherstrip features a magnetic strip encased by a UV-stable TPE cover.
- Use for steel-faced door and wood frame applications.
- Can be trimmed in the field and corner-mitered.

MAG349_

AVAILABLE FINISHES: D, W

AVAILABLE LENGTHS: 37", 81", 85", 96", 121"



Minimum space between the door face and the stop is 3/8"; maximum space is 7/16".

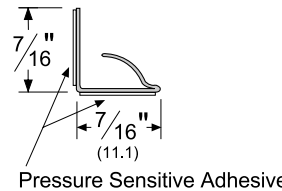
■ Polypropylene Pressure-Sensitive Door Gasketing

- Polypropylene pressure sensitive door gasketing may be reversed to provide wipe-seal rather than compression-seal.

PF114PS_

AVAILABLE FINISH: BL

AVAILABLE LENGTHS: 36", 48", 72", 86", 96"



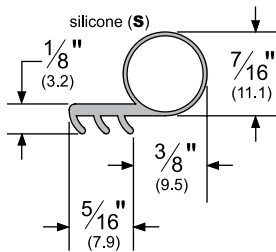
Pressure Sensitive Adhesive

■ PemkoPrene™ /Silicone/Thermoplastic Kerf-In Weatherstrip

S52_

AVAILABLE FINISHES: BL, W

AVAILABLE LENGTHS: 100'



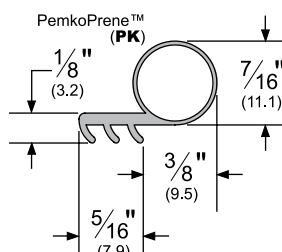
Minimum space between the door face and the stop is 1/16"; maximum space is 3/8".

Positive Pressure rated up to 3 hours.

PK52_

AVAILABLE FINISHES: BL, W

AVAILABLE LENGTHS: 18', 20', 300'



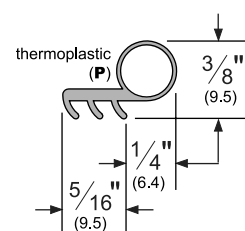
Minimum space between the door face and the stop is 1/16"; maximum space is 3/8".

Positive Pressure rated up to 20 minutes.

P50_

AVAILABLE FINISHES: BL, W

AVAILABLE LENGTHS: 17', 250'



Minimum space between the door face and the stop is 1/16"; maximum space is 5/16".

Available in 17' packaged coils and 250' bulk coils.

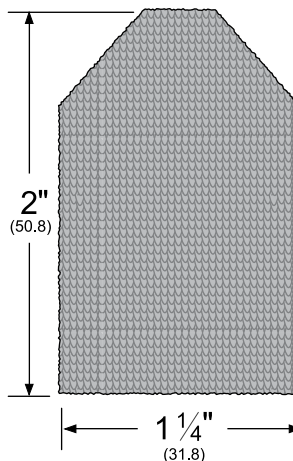
Thermoplastic elastomer formulation will not transigrate; remains flexible to -60° F.

■ Adhesive Corner Pad

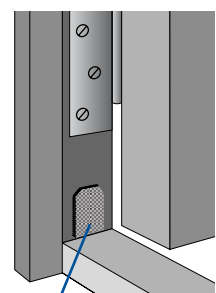
- Corner pad with black or white polypropylene pile, with pressure-sensitive adhesive gasketing.
- Pads are 1-1/4" wide x 2" high.
- Apply to corner of jamb on hinge side to seal against air and light infiltration.

P112PS (Black)

P112WPS (White)



APPLICATION DETAIL



P112 installed on hinge side of jamb.

NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

BL (Black) • D (Dark Brown) • W (White)

Adhesive Corner Pad Colors: blank (Black Pad) • W (White Pad)

PERIMETER GASKETING

Adhesive Perimeter Gasketing

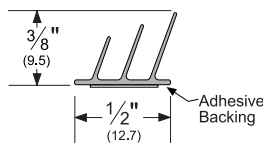
- For more information on these perimeter gasketing products, please see the Adhesive Gasketing section.

S773_



AVAILABLE FINISHES: D, GR, W

AVAILABLE LENGTHS: 17', 18', 20', 21', 25'



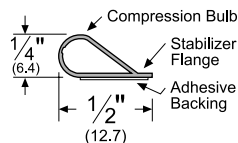
- Triple-fin design effectively blocks light and sound from infiltrating a room.
- Product designed as hospitality gasketing (see more hospitality products in the Hospitality Products section).

S88_



AVAILABLE FINISHES: BL, C, D, GR, TAN, W

AVAILABLE LENGTHS: 17', 18', 20', 21', 25', 30', 204', 510'



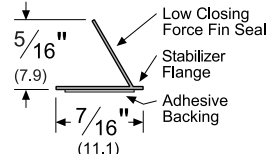
- Seal begins compressing at 1/4"; compresses to seal up to a 1/16" gap.

S44_



AVAILABLE FINISHES: BL, D, W

AVAILABLE LENGTHS: 17', 18', 20', 21', 25', 510'



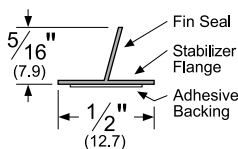
- Designed for tighter frames.
- Demonstrates extremely low closing force.
- Seal begins compressing at 5/16"; compresses to seal up to a 1/16" gap.

S77_



AVAILABLE FINISHES: C, D, W

AVAILABLE LENGTHS: 17', 18', 20', 21', 25'



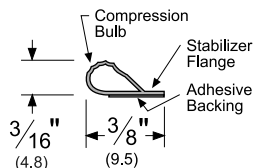
- Designed for hollow metal and wood meeting stile applications.
- Seal begins compressing at 5/16"; compresses to seal up to a 1/16" gap.

PK33_



AVAILABLE FINISHES: BL, D, W

AVAILABLE LENGTHS: 17', 18', 20', 21', 25', 510'



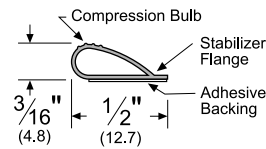
- Designed for tighter frames.
- Demonstrates extremely low closing force.
- Seal begins compressing at 3/16"; compresses to seal up to a 1/16" gap.

PK55_



AVAILABLE FINISHES: BL, D, W

AVAILABLE LENGTHS: 17', 18', 20', 21', 25', 510'



- Designed for tighter frames.
- Demonstrates extremely low closing force.
- Seal begins compressing at 3/16"; compresses to seal up to a 1/16" gap.

NOTES FOR ALL ADHESIVE GASKETING:

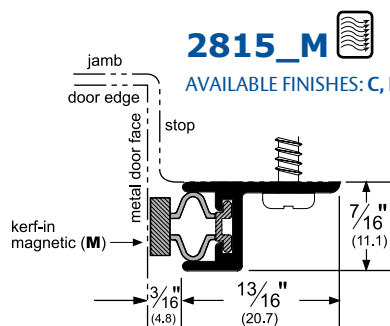
Storage and shelf life: All adhesive gaskets have a limited shelf life. This product must be used within 6 months of purchase and must be stored between 50°F and 100°F.

For further notes/details, please see Adhesive Gasketing section.

Magnetic

2815_M

AVAILABLE FINISHES: C, D, G



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)

Adhesive Gasketing Colors: • BL (Black) • C (Clear) • D (Dark Brown) • GR (Light Gray) • TAN (Tan) • W (White)

Interlock Weatherstrip For Wood Doors

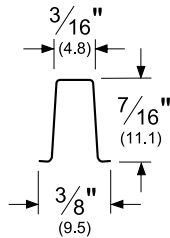
- Unless otherwise specified, all interlock weatherstrip is made from .015" bronze (B) or .018" zinc (Z).
- Fasteners available at additional cost (see page 108).

Liner Strip

- Made from .008" spring bronze (B).

_30

AVAILABLE FINISH: B
AVAILABLE LENGTHS: 96"

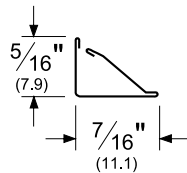


Lock Strip

- Made from .008" spring bronze (B).

_331

AVAILABLE FINISH: B
AVAILABLE LENGTHS: 6", 12",
84", 96"

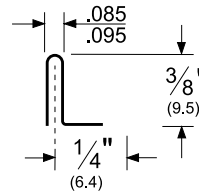


"L" Metal

- Bronze or zinc-plated wafer head drive screws available for _41M (sold separately).

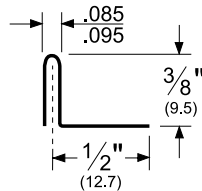
_41M

AVAILABLE FINISHES: B, Z
AVAILABLE LENGTHS: 96"



_43

AVAILABLE FINISH: B
AVAILABLE LENGTHS: 96"



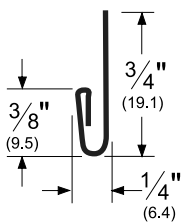
Interlock Weatherstrip For Wood Windows

Flat Hooks

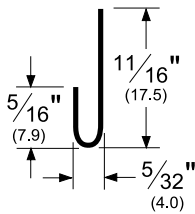
- _10 Flat hooks are made from .026" spring bronze (B) or .026" zinc (Z).
- _11 Flat hooks are made from .015" spring bronze (B) or .018" zinc (Z).

_10

AVAILABLE FINISHES: B, Z
AVAILABLE LENGTHS: 96"



_11



Corrugated Rib Strips

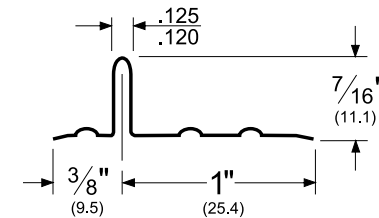
- Corrugated rib strips are made from .015" spring bronze (B) or .018" zinc (Z).
- _4C and _6C are only available in 96" lengths.

_4C (1-3/8" width)

AVAILABLE FINISHES:
B, Z

_6C (1-7/8" width)

AVAILABLE FINISH:
Z



_4C (1-3/8" width) shown above; also available in _6C (1-7/8" width) in zinc only.

Plain Rib Strips

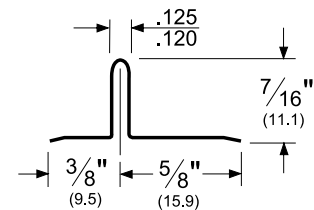
- Plain rib strips are made from .015" spring bronze (B) or .018" zinc (Z).

_2P (1" width)

AVAILABLE FINISHES:
B, Z

_4P (1-3/8" width)

AVAILABLE FINISHES:
B, Z



_2P (1" width) shown above; also available in _4P (1 3/8" width).
_2P and _4P available in 96" lengths only

NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

B (Bronze) • Z (Zinc)
Special finishes available upon request

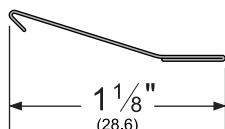
Cushion/Spring Weatherstrip for Wood and Metal Doors and Windows

Spring Bronze - Wood Doors/Windows

- Spring bronze weatherstrip for wood doors/windows fits wood doors and wood casement windows.
- Made from .08" hemmed spring bronze/brass (B).
- Sold in 100-ft coils without nails (nails sold separately below).
- Nails should be approximately 1-1/2" on center.

_70C-100

AVAILABLE FINISH: B
AVAILABLE LENGTHS: 100'

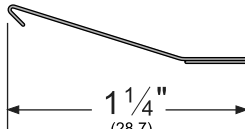


P51_17

P51_17 is 17 feet of _70C, packaged with nails.

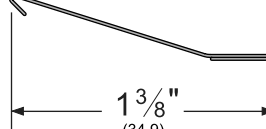
_70D-100

AVAILABLE FINISH: B
AVAILABLE LENGTHS: 100'



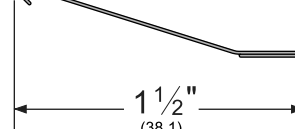
_70E-100

AVAILABLE FINISH: B
AVAILABLE LENGTHS: 100'



_70F-100

AVAILABLE FINISH: B
AVAILABLE LENGTHS: 100'

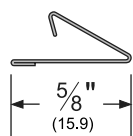


Cushion ("V") - Wood or Metal Doors

- Cushion (or "V") weatherstrip fits wood or metal doors.
- Made from .08" hemmed spring bronze/brass (B) or .012 stainless steel (SS).
- Available in 96" lengths only, without nails (nails sold separately below).
- Nails should be approximately 3" on center.

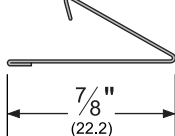
_73

AVAILABLE FINISH: B
AVAILABLE LENGTHS: 96"



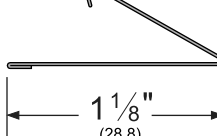
_74

AVAILABLE FINISH: B
AVAILABLE LENGTHS: 96"



_75

AVAILABLE FINISH: B
AVAILABLE LENGTHS: 96"

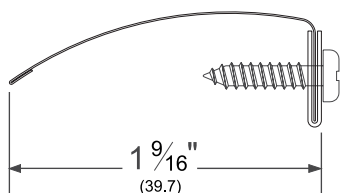


Spring Bronze - Metal Doors

- Spring bronze for metal doors may also be used as a meeting stile (see Astragals & Meeting Stiles section).
- Made from .08" hemmed spring bronze/brass (B) or .012 stainless steel (SS).
- .015" brass (B) or .012" stainless steel (SS) retainer.

_71

AVAILABLE FINISHES: B, SS
AVAILABLE LENGTHS: (B): 96"
AVAILABLE LENGTHS: (SS): 84", 96"



Fasteners for Cushion, Spring and Interlock Weatherstrip

- Fasteners for cushion, spring and interlock weatherstrip are sold separately unless otherwise specified.

NL1678_

AVAILABLE FINISHES:
BP, D, Z



For Wood:
#16 x 7/8" flat head nail

NL1634_

AVAILABLE FINISHES:
BB, SS



For Wood:
#16 x 3/4" flat head nail

NL13516_

AVAILABLE FINISHES:
BP, Z



For Metal:
#13 x 5/16" wafer head drive screw

NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

B (Bronze) • BB (Solid Brass) • BP (Brass Plate) • D (Dark Anodized) • SS (Stainless Steel) • Z (Zinc)



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ADHESIVE GASKETING

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| Hot Smoke Seal™ Edge Sealing for Category B Doors | 112 |
| Hot Smoke Seal™/SiliconSeal™ Combination Fire/Smoke Sealing | 112 |

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| HSS2000xS44 | 112 | S44 | 110 | S773 | 111 |
| HSS2000xS88 | 112 | | | | |

ADHESIVE GASKETING

■ SiliconSeal™ Adhesive-Backed Fire/Smoke Gasketing

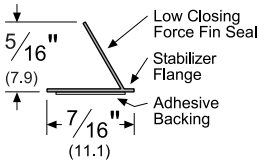
- SiliconSeal™ is extruded from high-temperature silicone; effective between -58°F and 450°F.
- Self-extinguishing and non-toxic. Unaffected by sunlight, ozone and ultraviolet rays.
- Impervious to fungus and mildew; will not deteriorate under normal exposure.
- Meets FAR 25.853 Airworthiness Standards for Compartment Interiors.

- Smoke tested in accordance with UBC 7-2 and UL 1784-01; meets the requirements of NFPA 105 "Standard for the Installation of Smoke Door Assemblies and Other Opening Protectives".
- S44, S77 and S88 are air infiltration tested in accordance with ASTM E-283-04. Air infiltration is only .09 CFM / ft of crack.

S44_

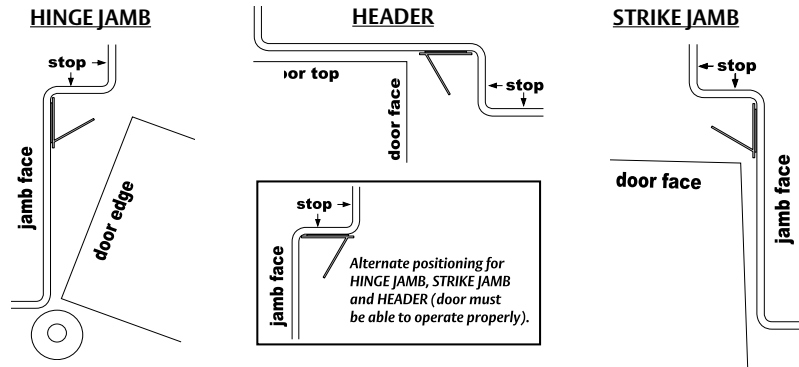
AVAILABLE FINISHES: BL, D, W

AVAILABLE LENGTHS: 17', 18', 20', 21', 25', 510'



- Designed for tighter frames.
- Demonstrates extremely low closing force.
- Seal begins compressing at 5/16"; compresses to seal up to a 1/16" gap.

APPLICATION DETAILS FOR S44

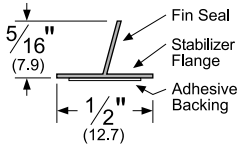


Application is acceptable anywhere along jamb face (door must be able to operate properly).

S77_

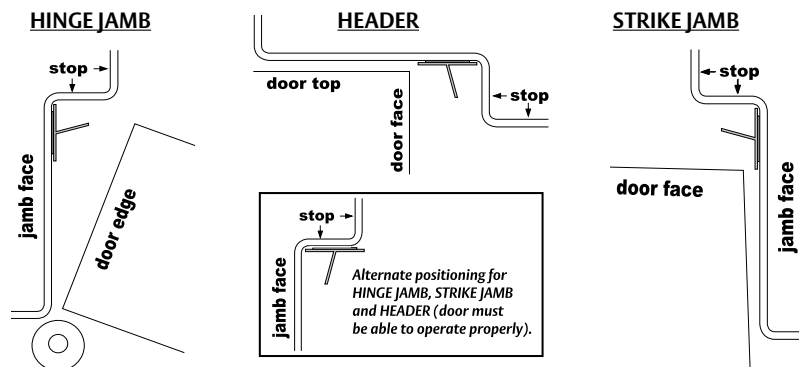
AVAILABLE FINISHES: C, D, W

AVAILABLE LENGTHS: 17', 18', 20', 21', 25'



- Designed for hollow metal and wood meeting stile applications.
- Seal begins compressing at 5/16"; compresses to seal up to a 1/16" gap.

APPLICATION DETAILS FOR S77

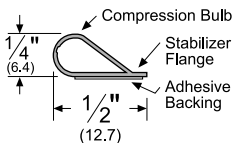


Application is acceptable anywhere along jamb face (door must be able to operate properly).

S88_

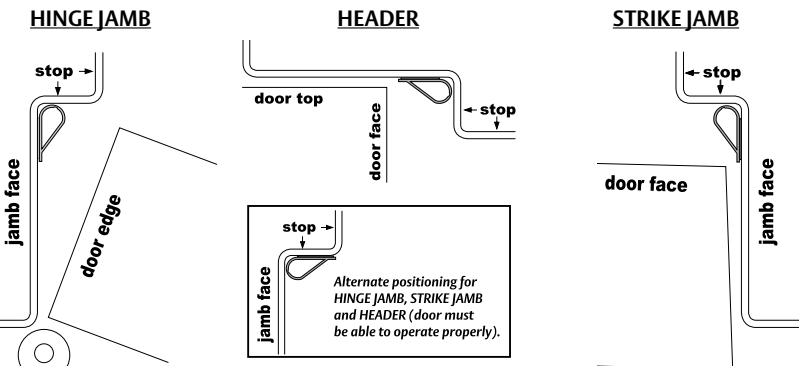
AVAILABLE FINISHES: BL, C, D, GR, TAN, W

AVAILABLE LENGTHS: 17', 18', 20', 21', 25', 30', 204', 510'



- Seal begins compressing at 1/4"; compresses to seal up to a 1/16" gap.

APPLICATION DETAILS FOR S88



Application is acceptable anywhere along jamb face (door must be able to operate properly).

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

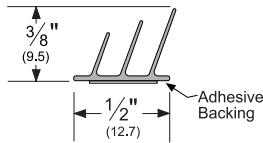
BL (Black) • C (Clear) • D (Dark Brown) • GR (Light Gray) • TAN (Tan) • W (White)

Silicone Adhesive-Backed Fire/Smoke Gasketing (Cont.)

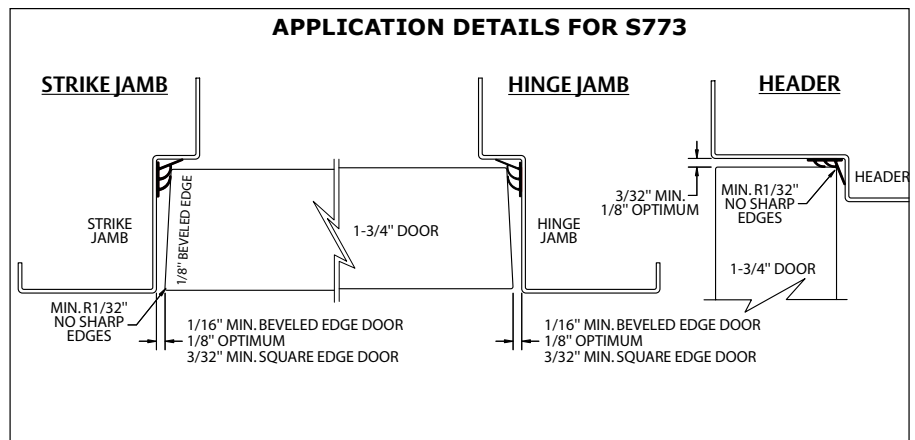
Triple-Fin Gasketing

S773     

AVAILABLE FINISHES: BL, D, GR, W
AVAILABLE LENGTHS: 17', 18', 20', 21', 25'



- Triple-fin design effectively blocks light and sound from infiltrating a room.
- Product designed as hospitality gasketing (see more hospitality products in the Hospitality Products section).

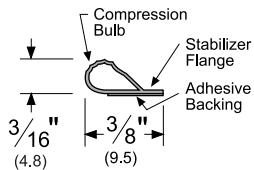


PemkoPrene™ Adhesive-Backed Fire/Smoke Gasketing

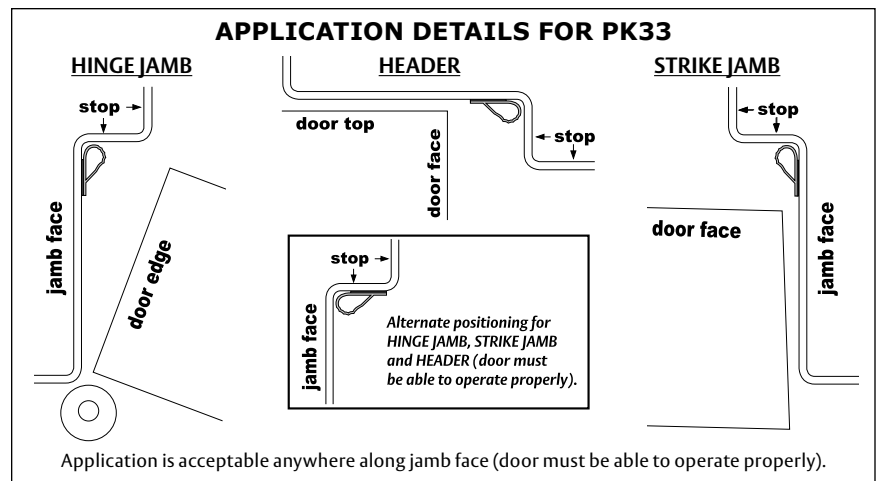
- Excellent resistance to compression set, particularly at elevated temperatures and for extended periods of time.
- Stays flexible between -40°F and 250°F with very high resistance to flex fatigue.
- Outstanding ozone resistance rating.
- Smoke tested in accordance with UL1784-01; meets the requirements of NFPA 105 "Standard for the Installation of Smoke Door Assemblies and Other Opening Protectives".
- PK33 and PK55 are shipped in coils (see below for available lengths).

PK33    

AVAILABLE FINISHES: BL, D, W
AVAILABLE LENGTHS: 17', 18', 20', 21', 25', 510'

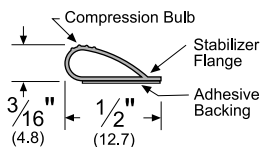


- Designed for tighter frames.
- Demonstrates extremely low closing force.
- Seal begins compressing at 3/16"; compresses to seal up to a 1/16" gap.

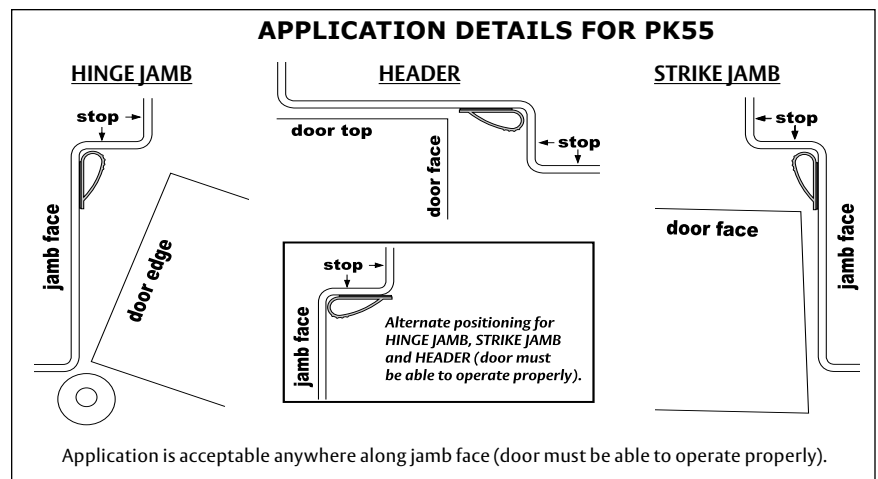


PK55    

AVAILABLE FINISHES: BL, D, W
AVAILABLE LENGTHS: 17', 18', 20', 21', 25', 510'



- Designed for tighter frames.
- Demonstrates extremely low closing force.
- Seal begins compressing at 3/16"; compresses to seal up to a 1/16" gap.



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

BL (Black) • D (Dark Brown) • GR (Light Gray) • W (White)

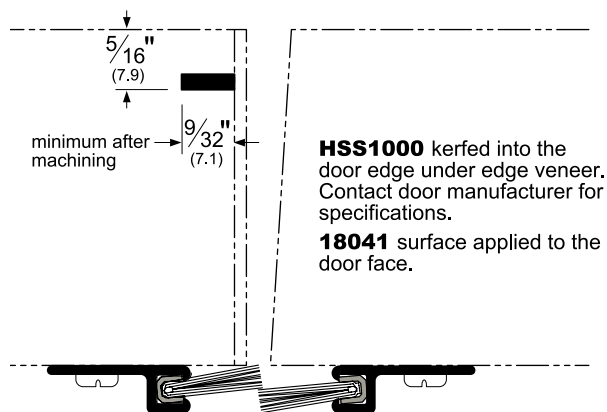
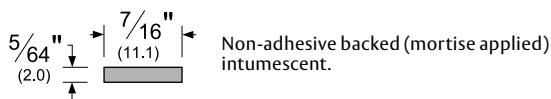
Hot Smoke Seal™ Edge Sealing for Category B Doors

- Chemically inert, highly stable, expandable graphite strip.
- Tested and proven in positive pressure conditions to withstand both hot smoke and hot gasses, resulting in longer integrity of the door assembly.
- More economical to use than specially modified doors in "tested assembly only" classifications.
- Hot Smoke Seal™ can be painted to blend in with the finish of a frame.
- Does not require periodic aftermarket field inspections.
- Will not degrade from carbon dioxide and ozone like many competitive intumescent from other manufacturers.
- Unaffected by moisture and will not break down like fiber-based or cellulose-based products.
- HSS1000 and HSS2000** shipped in coils (see available lengths below).

HSS1000_



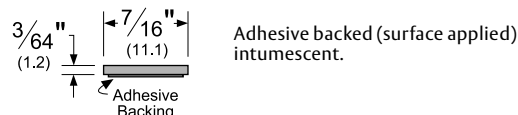
AVAILABLE FINISHES: **Graphite** (no finish code), **W**
AVAILABLE LENGTHS: **7', 8', 10', 18', 21', 24'**



HSS2000_



AVAILABLE FINISHES: **Graphite** (no finish code), **W**
AVAILABLE LENGTHS: **7', 8', 10', 18', 21', 24'**



NOTES FOR ALL ADHESIVE GASKETING:

Storage and shelf life: All adhesive gaskets have a limited shelf life. This product must be used within 6 months of purchase and must be stored between 50°F and 100°F.

Before installing: Thoroughly clean the frame to remove grease, dust or cleanser build-up (cleansing towelettes are included with product). Before installation, wait for frame surface to completely dry (evaporate). Some hospital environments have wax or anti-bacterial cleanser build-up. As an alternative or substitute cleanser, use isopropyl (rubbing) alcohol. Note: Mineral spirits or other petroleum based cleaning products should NOT be used.

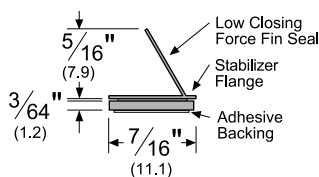
Hot Smoke Seal™/SiliconSeal™ Combination Fire/Smoke Sealing

- Pemko combines SiliconSeal™ with Hot Smoke Seal™ intumescent fire seal, creating an innovative sealing system that provides optimal protection against fire, smoke and heat.

HSS2000xS44_



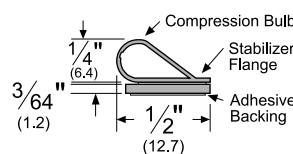
AVAILABLE FINISHES: **BL, D, W**
AVAILABLE LENGTHS: **18', 20', 21', 24'**



HSS2000xS88_



AVAILABLE FINISHES: **BL, C, D, GR, TAN, W**
AVAILABLE LENGTHS: **18', 20', 21', 24'**



▲ **AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE** (see General Information section for finish chart)

BL (Black) • C (Clear) • D (Dark Brown) • GR (Light Gray) • TAN (Tan) • W (White)



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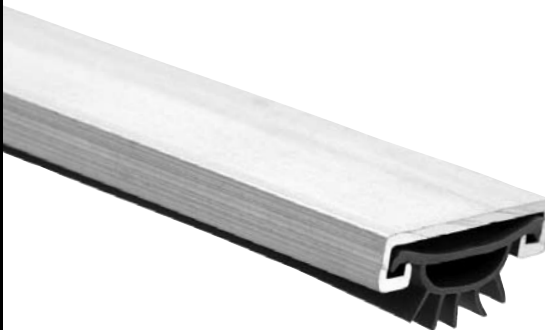
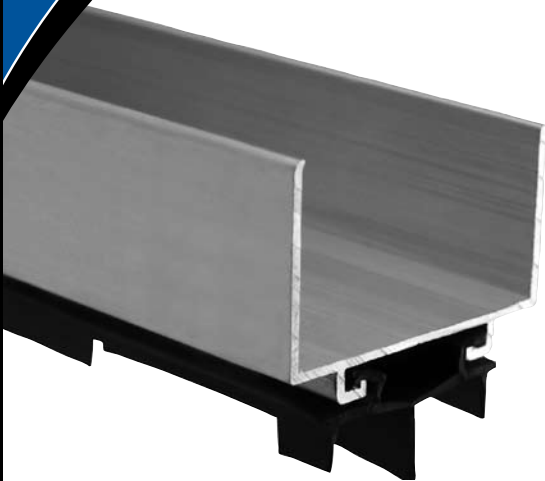
HOSPITALITY PRODUCTS

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Adhesive Perimeter Gasketing

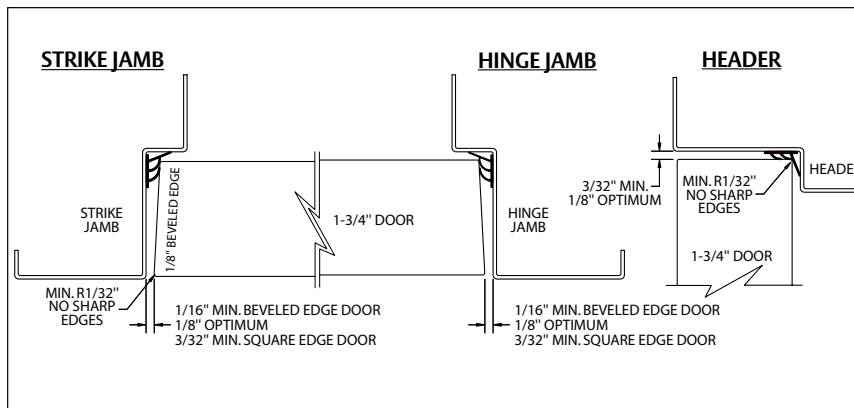
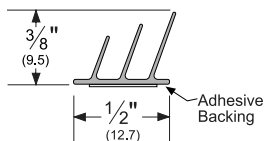
S773 Triple-Fin Adhesive-Backed Fire/Smoke Gasketing

- S773 adhesive perimeter seal is extruded from high-temperature silicone; effective between -58°F and 450°F.
- Triple-fin design effectively blocks light and sound from infiltrating a room.
- Tested and approved under UL10C for fire; UL 1784 for smoke and ASTM E90 and BS EN ISO 140-3 for sound control.
- Air infiltration tested in accordance with ASTM E-283-91. Air infiltration is only .09 CFM / ft of crack.
- During sound attenuation testing of the S773 adhesive perimeter seal in conjunction with Pemko automatic door bottom 411APKL and Pemko acoustic corner pad ACP112, the door assembly achieved a **98% efficiency rating**.



AVAILABLE FINISHES: BL, D, GR, W

AVAILABLE LENGTHS: 17', 18', 20', 21', 25'



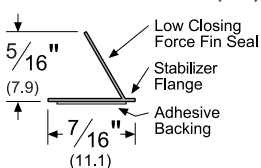
SiliconSeal™ Adhesive-Backed Fire/Smoke Gasketing

- Stays flexible, effective between -58°F and 450°F.
- Meets FAR 25.853 Airworthiness Standards for Compartment Interiors.
- Smoke tested in accordance with UBC 7-2 and UL 1784-90; meets the requirements of NFPA 105 "Standard for the Installation of Smoke Door Assemblies and Other Opening Protectives".
- S44, and S88 are air infiltration tested in accordance with ASTM E-283-91. Air infiltration is only .09 CFM / ft of crack.

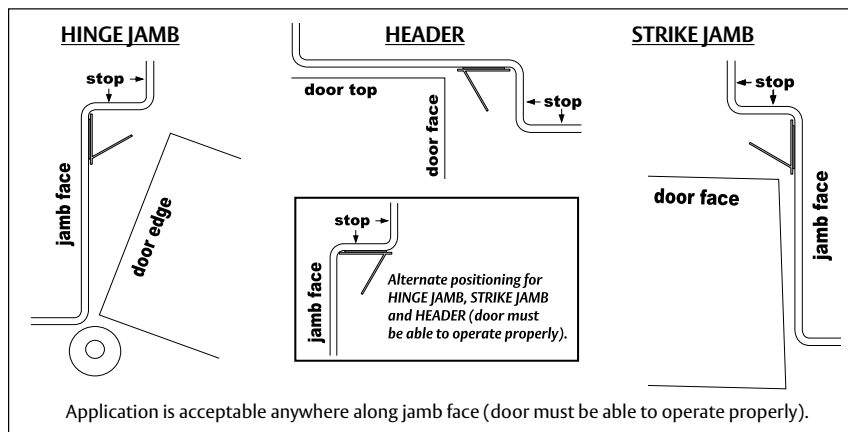


AVAILABLE FINISHES: BL, D, W

AVAILABLE LENGTHS: 17', 18', 20', 21', 25', 510'

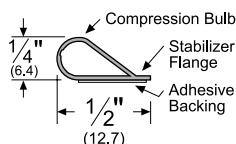


- Designed for tighter frames.
- Demonstrates extremely low closing force.
- Seal begins compressing at 5/16"; compresses to seal up to a 1/16" gap.

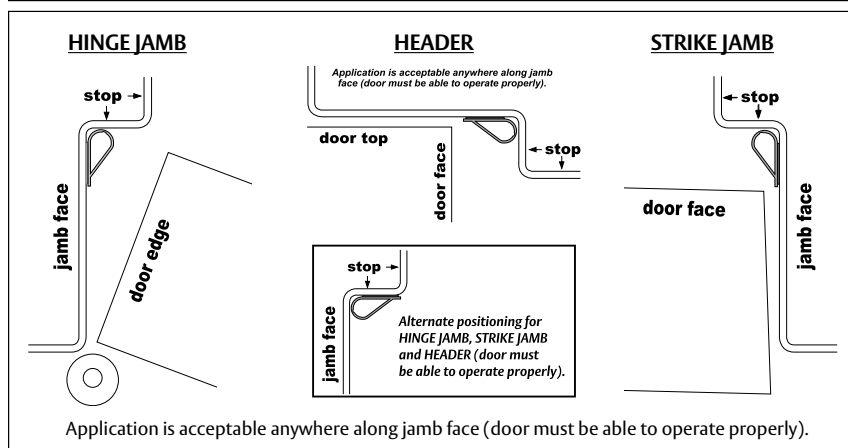


AVAILABLE FINISHES: BL, C, D, GR, TAN, W

AVAILABLE LENGTHS: 17', 18', 20', 21', 25', 30', 204', 510'



- Seal begins compressing at 1/4"; compresses to seal up to a 1/16" gap.



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

BL (Black) • C (Clear) • D (Dark Brown) • GR (Light Gray) • TAN (Tan) • W (White)

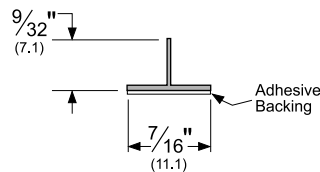
Adhesive Astragal/Meeting Stile Seals

- The S771 and S772 astragal/meeting stile seals can be installed on virtually any pair of doors where sound attenuation is required. These products seal the opening to prevent heat loss, retard the passage of smoke, and act as a weatherization product.
- Excellent resistance to compression set, particularly at elevated temperatures and for extended periods of time.
- Stays flexible between -58°F and 450°F with very high resistance to flex fatigue. Maintains a low closing force.
- Easy installation requires no mechanical fasteners; can be cut to size in the field.

S771_

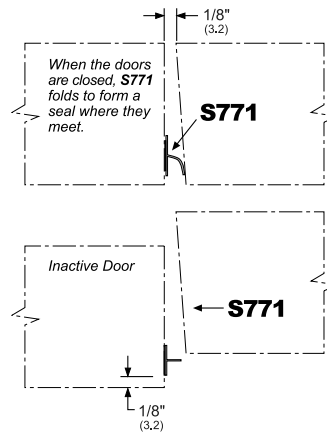
AVAILABLE FINISHES: C, D, W

AVAILABLE LENGTHS: 7', 8', 9', 10'

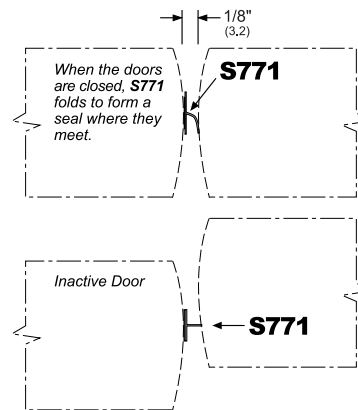


APPLICATION DETAILS FOR S771

SINGLE ACTING DOOR



DOUBLE ACTING DOOR

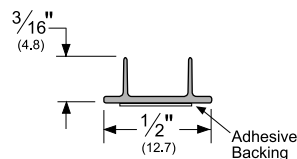


S771 may be applied to either the active or inactive door leaf.

S772_

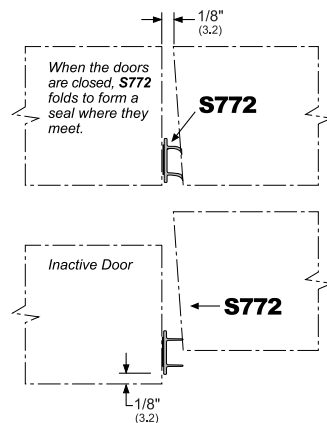
AVAILABLE FINISHES: D, W

AVAILABLE LENGTHS: 7', 8', 10'

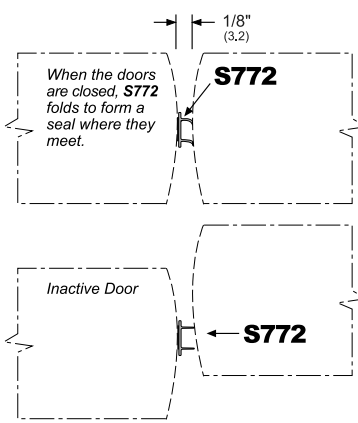


APPLICATION DETAILS FOR S772

SINGLE ACTING DOOR



DOUBLE ACTING DOOR



S772 may be applied to either the active or inactive door leaf.

NOTES FOR ALL ADHESIVE GASKETING:

Storage and shelf life: All adhesive gaskets have a limited shelf life. This product must be used within 6 months of purchase and must be stored between 50°F and 100°F.

For further notes/details, please see Adhesive Gasketing section.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear) • D (Dark Brown) • W (White)

Door Shoes

- 2113_V, 2173_V and 2343_V door shoes are ideal in any situation where airflow under the door is necessary, but privacy and light leakage are also a concern.
- Door shoes feature a durable aluminum channel and removable vinyl insert combination. Insert can be easily replaced if necessary.
- Tested and approved under UL10C for fire; ASTM 283 for air flow and ASTM E90 and BS EN ISO 140-3: 1995 for sound control.

2343_V

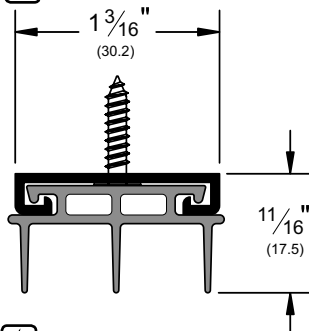


AVAILABLE FINISHES:
A, D, G

AVAILABLE LENGTHS:
36", 48"

Also available
unnotched:

2343_V36UN
2343_V48UN



2173_V

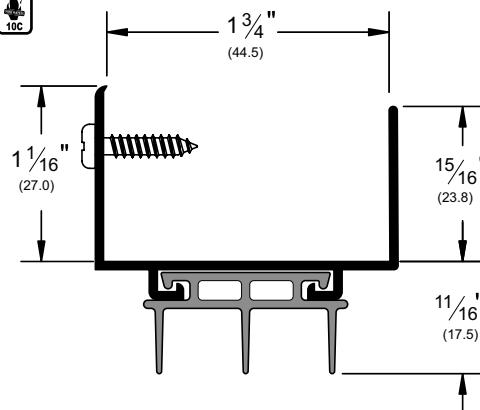


AVAILABLE FINISHES:
A, BDG, D, G, PW

AVAILABLE LENGTHS:
36", 48"

Also available unnotched:

2173_V36UN
2173_V48UN



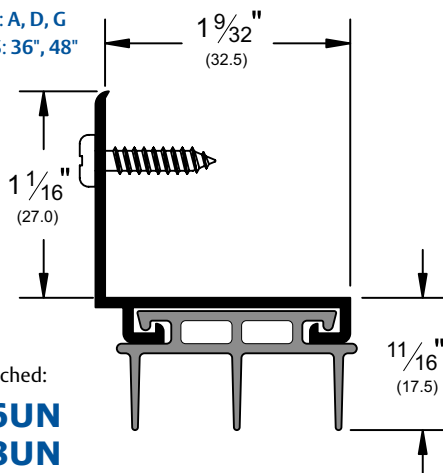
2113_V



AVAILABLE FINISHES: A, D, G
AVAILABLE LENGTHS: 36", 48"

Also available unnotched:

2113_V36UN
2113_V48UN

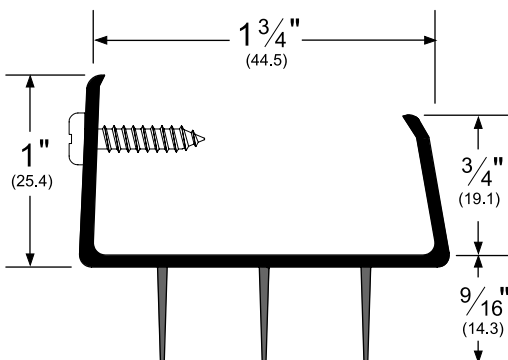


Vinyl Door Shoes

2170_V



AVAILABLE COLORS: D, W
AVAILABLE LENGTHS: 36", 48"



Privacy Door Latch

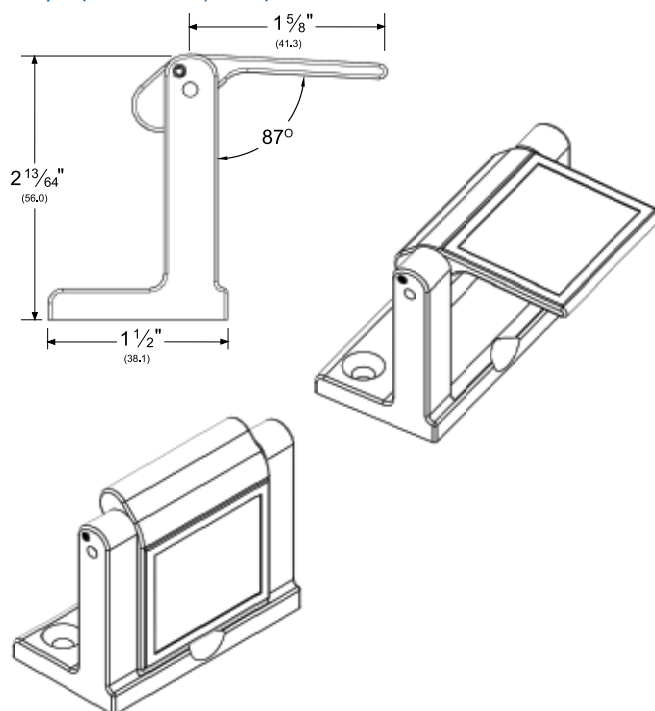
- Easy to install, simple to operate.
- ADA compliant.
- Enhanced room privacy.
- UL classified as a fire door accessory.

PDL



AVAILABLE FINISHES:

3 (Polished Brass), 4 (Satin Brass), 26 (Polished Chrome),
26D/15 (Satin Chrome/Nickel)

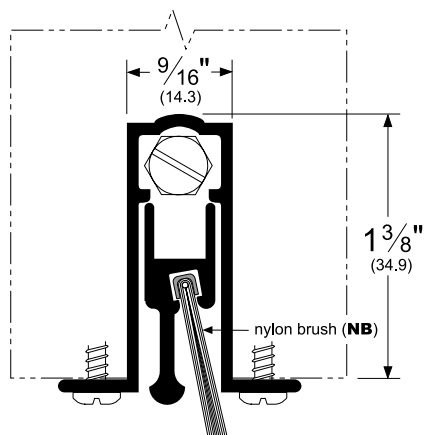


▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

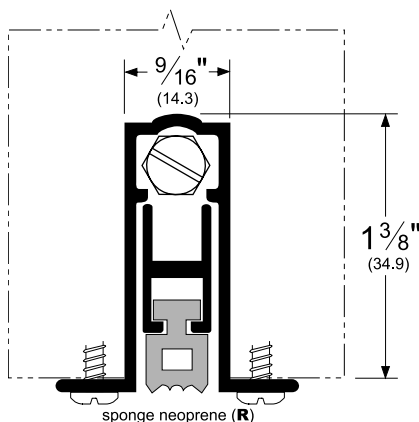
A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White)
Vinyl Finishes: D (Dark Brown) • W (White)

Automatic Door Bottoms

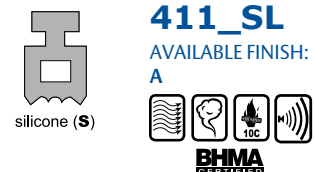
411_NBL  **BHMA CERTIFIED**
AVAILABLE FINISH: A



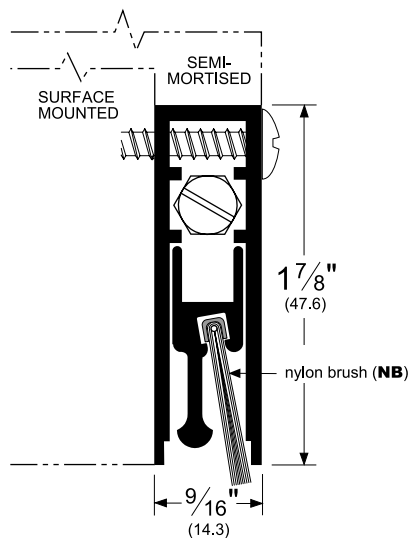
411_RL  **BHMA CERTIFIED**
AVAILABLE FINISH: A



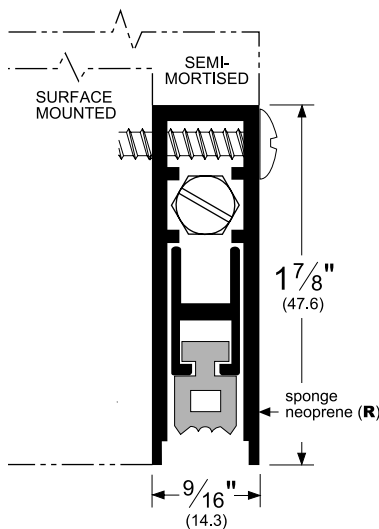
ALTERNATE INSERTS FOR 411



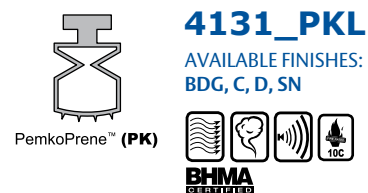
4131_NBL  **BHMA CERTIFIED**
AVAILABLE FINISHES: BDG, C, D, G, SN



4131_RL  **BHMA CERTIFIED**
AVAILABLE FINISHES: BDG, C, D, G, SN



ALTERNATE INSERTS FOR 4131



End Plates (4131 Models)

- Black nylon end plates are provided with all 4131 models to protect the mechanism and to give a clean aesthetic appearance.
- Plunger and end plate prevents the plunger adjustment from rotating.
- End plates keep debris out of the mechanism. Do not tighten with power tool.



4131 (End Plate)



4131 (Plunger End Plate)

▲ **AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE** (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • C (Clear Anodized) • D (Dark Bronze Anodized) • SN (Satin Nickel Anodized)

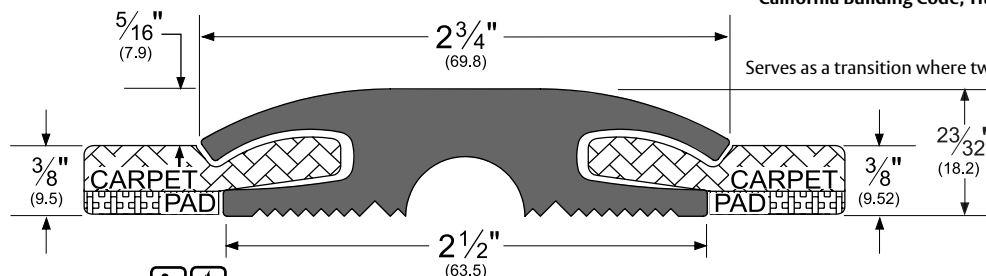
Vinyl Thresholds

- Vinyl thresholds create an ideal transition where two different pieces of carpet meet, or carpet meets another surface under a door.
- Ideal for use in any high-traffic commercial installation, such as hotels and offices.

V232_

AVAILABLE COLORS: BL, D

AVAILABLE LENGTHS: 36", 48", 73"

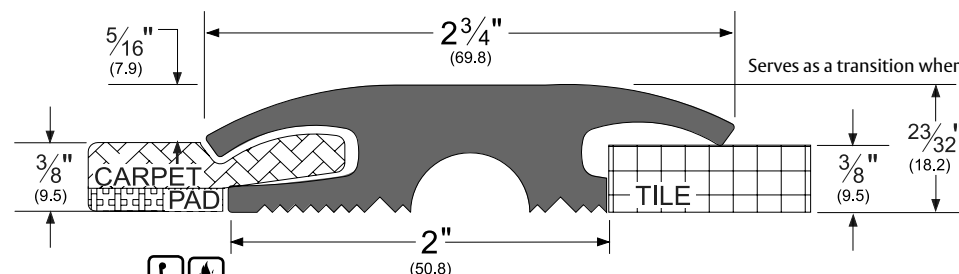


Serves as a transition where two pieces of carpet meet beneath an interior door.

V2325_

AVAILABLE COLORS: BL, D

AVAILABLE LENGTHS: 36", 48", 73"

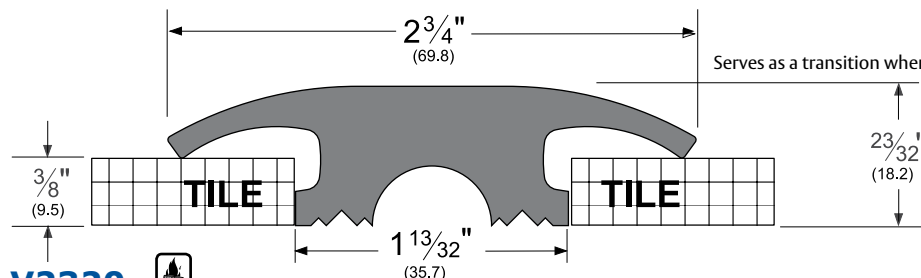


Serves as a transition where carpet meets tile beneath an interior door.

V2326_

AVAILABLE COLORS: BL, D

AVAILABLE LENGTHS: 36", 48", 73"

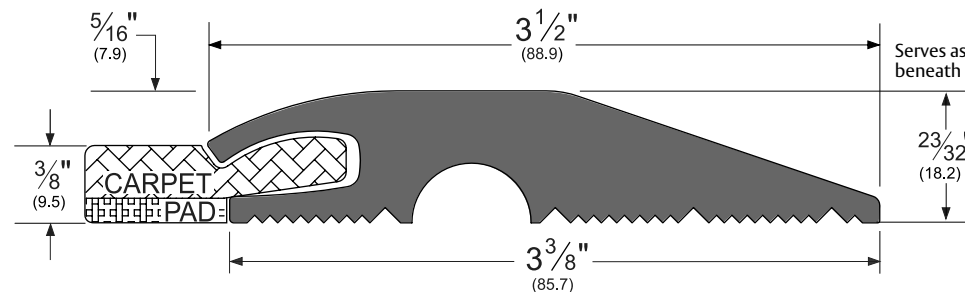


Serves as a transition where two pieces of tile meet beneath an interior door.

V2320_

AVAILABLE COLOR: BL

AVAILABLE LENGTHS: 36", 48", 73"



Serves as a transition where carpet meets concrete beneath an interior or exterior door.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

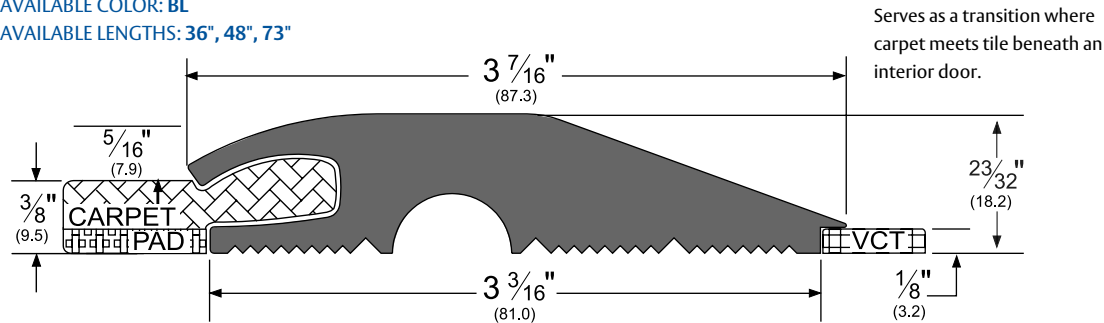
BL (Black) • D (Dark Brown)

Vinyl Thresholds (Cont.)

V2322_

AVAILABLE COLOR: BL

AVAILABLE LENGTHS: 36", 48", 73"



Adjustable-Width Vinyl Threshold

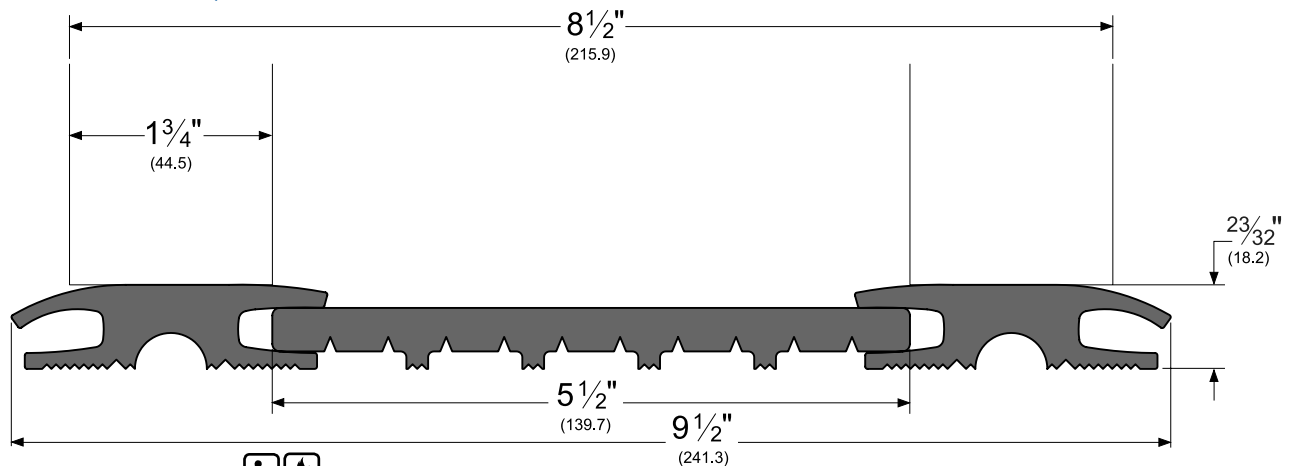
- The adjustable-width threshold is designed for installations where the widths of the transition beneath a door may need to change, without completely disassembling and reinstalling the threshold.
- The adjustable-width threshold's center section adjusts up to a width of $5 \frac{1}{2}"$ (10" overall including end pieces) to accommodate a wide variety of transition widths.

- The adjustable-width threshold consists of two vinyl end pieces and one vinyl adjustable center section.
- Center Section (V2321_ below) can easily be cut to size with a standard razor knife.

ADJ232V8_

AVAILABLE COLOR: BL, D

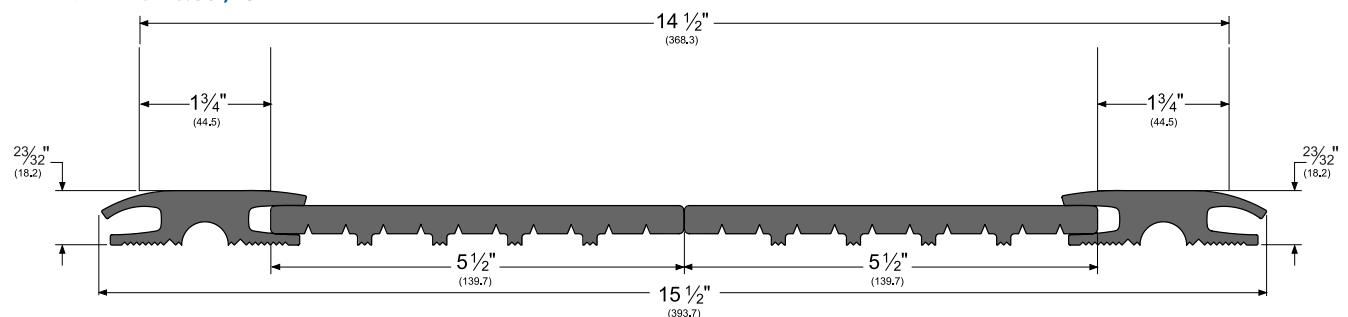
AVAILABLE LENGTHS: 36", 48"



ADJ232V14_

AVAILABLE COLOR: BL, D

AVAILABLE LENGTHS: 36", 48"



NOTE: Products shown in this section may not be drawn to scale.

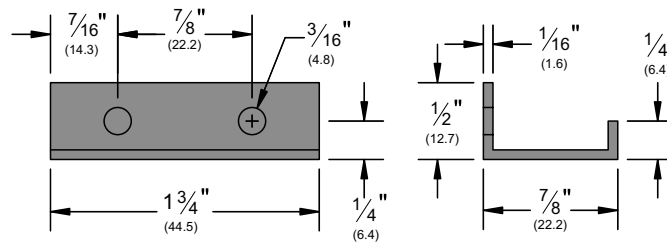
▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

BL (Black)

Frame Attachment Bracket

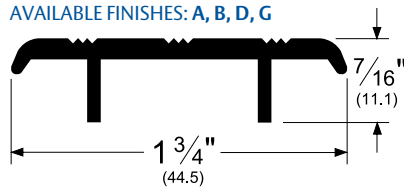
- For use with vinyl thresholds.
- 16 gauge galvanized steel.

2940SP

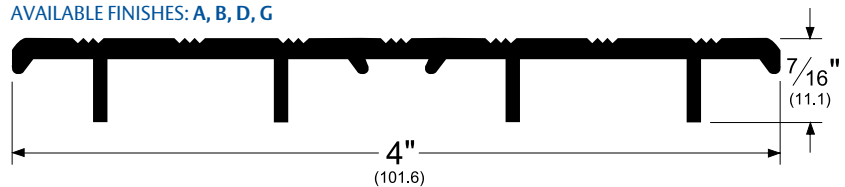


Carpet Separators

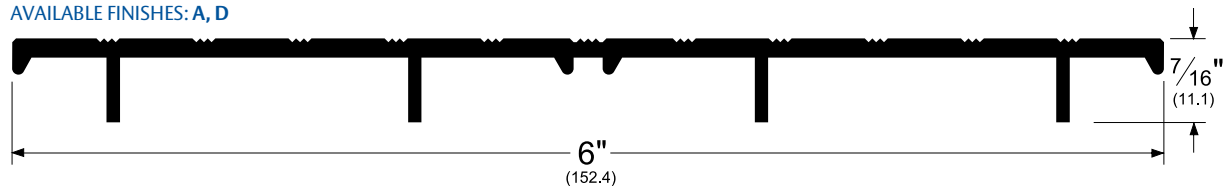
236_   Barrier-free over carpet.
AVAILABLE FINISHES: A, B, D, G



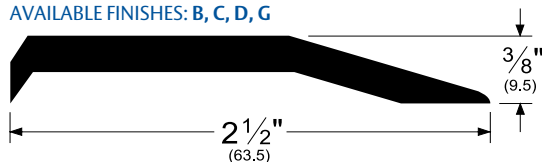
2364_   Barrier-free over carpet.
AVAILABLE FINISHES: A, B, D, G



2366_   Barrier-free over carpet.
AVAILABLE FINISHES: A, D



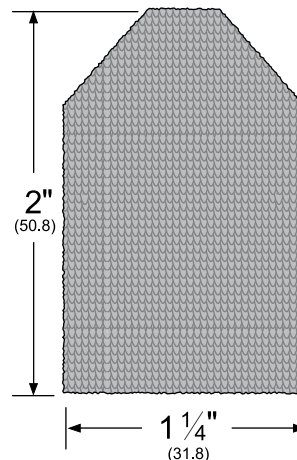
174_   Barrier-free over carpet.
AVAILABLE FINISHES: B, C, D, G



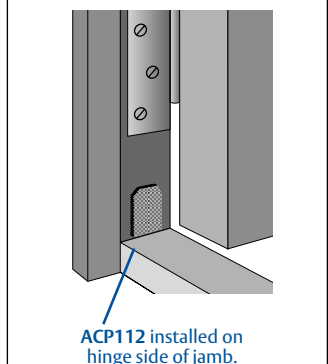
Acoustic Corner Pad

- The ACP112 Acoustic Corner Pad helps seal the door opening against light, air and sound infiltration.
- Approved under ASTM E90 and BS EN ISO 140-3 for sound control when used with a Pemko door shoe or Pemko automatic door bottom.
- Ideal for any application where sound attenuation is required. Maintains the integrity of a sound-rated door.
- The ACP112 is adhesive-backed and is easy to install. No mechanical fasteners are required.

ACP112_  
AVAILABLE COLORS: BL, W



APPLICATION DETAIL



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)
Acoustic Corner Pad Colors: BL (Black Pad) • W (White Pad)



ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

SLIDING AND FOLDING HARDWARE

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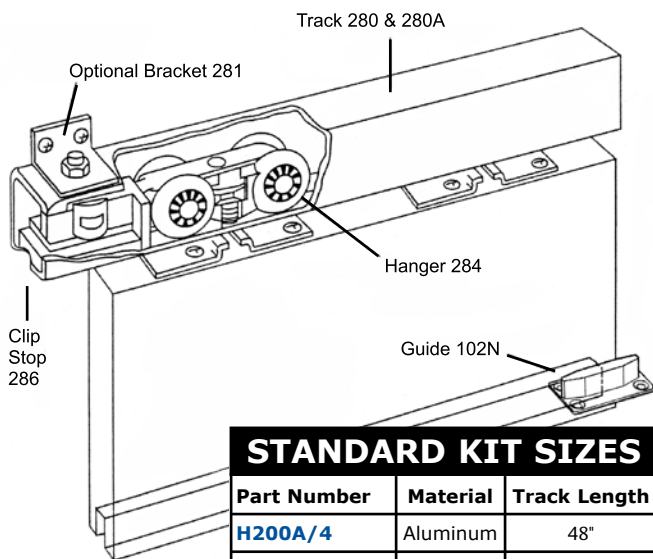
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SLIDING AND FOLDING HARDWARE

Sliding 200 Series

FOR SLIDING PANELS UP TO 200 LBS.



STANDARD KIT SIZES

| Part Number | Material | Track Length |
|------------------|----------|--------------|
| H200A/4 | Aluminum | 48" |
| H200A/5'4 | Aluminum | 64" |
| H200A/6 | Aluminum | 72" |
| H200A/7 | Aluminum | 84" |
| H200A/8 | Aluminum | 96" |
| H200A/10 | Aluminum | 120" |
| H200A/12 | Aluminum | 144" |
| H200/6 | Steel | 72" |
| H200/8 | Steel | 96" |

CONFIGURATIONS:

- Single
- Bi-parting

FEATURES:

- Needle bearing hangers for smooth operation.
- 200 lb. panel capacity.
- Galvanized steel track 280.
- Aluminum track 280A.

H200A Kits Include:

- 1 ea **280A** Track
- 2 ea **284** Hangers
- 1 ea **102N** Nylon Guide
- 2 ea **286** Stops
- 1 ea Adjusting wrench and mounting hardware

INSTALLATIONS:

- Face Mount
- Soffit Mount
- Face/Soffit Mount with Fascia

H200 Kits Include:

- 1 ea **280** Track
- 2 ea **284** Hangers
- 1 ea **102N** Nylon Guide
- 2 ea **286** Stops
- 1 ea Adjusting wrench and mounting hardware

OPTIONS:

Hardware Kit
Mounting Bracket

Track Stop (bumper)
Bottom Channel
Fascia, Snap-On
Roller Guide
Mortise Guide

Threshold
End Plate

FINISHES:

280A available in Mill Finish Aluminum (A)

F134 Fascia available in Clear Anodized (C)

H100/200 PACK

281 available as 5 pack only, **2815**

NOTE: Need one on each end, with no more than 3 feet in between each bracket.

287HD

94A

F134 (280A only)

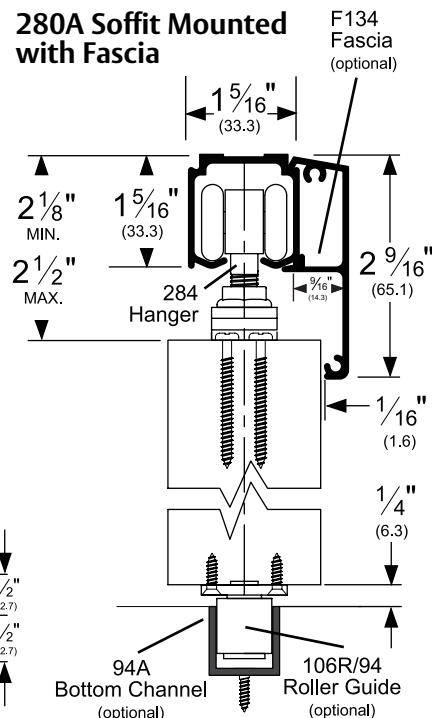
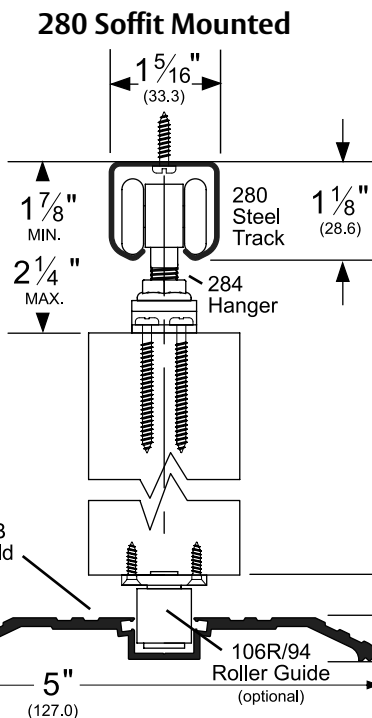
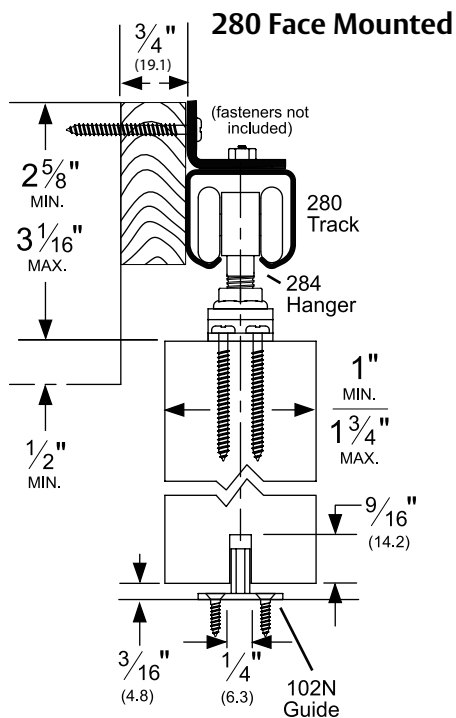
106R/94

102WA

102WN

971A

K134EP (Use with F134 only)



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • C (Clear Anodized)

Bypass Track Series

FOR BYPASSING PANELS TO 200 LBS.

- Fits 1-3/8" and 1-3/4" doors
- Needle-bearing wheels for ultra smooth performance
- Load capacity 200 lbs. (2 hangers)
- Extruded aluminum track

HBP200A Kits Include:

- 1 ea **2802A** Track
- 4 ea **284** Hangers
- 2 ea **102N** Nylon Guide
- 4 ea **286** Stops
- 1 ea Adjusting wrench and mounting hardware

OPTIONS:

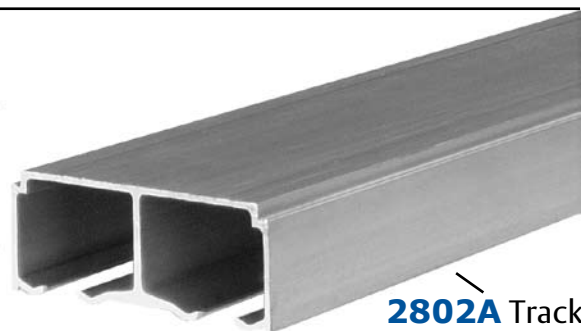
- Hardware Kit **H100/200 PACK**
- Mounting Bracket **2812**
- Track Stop (bumper) **287HD**
- Bottom Channel **94A**
- Double Channel **2802BT**
- Fascia, Snap-On **F134**
- Roller Guide **106R/94**
- Dual Guide Channel **2802BT**

FINISHES:

- 280A available in Mill Finish Aluminum (A)
- F134 Fascia in Clear Anodized (C)

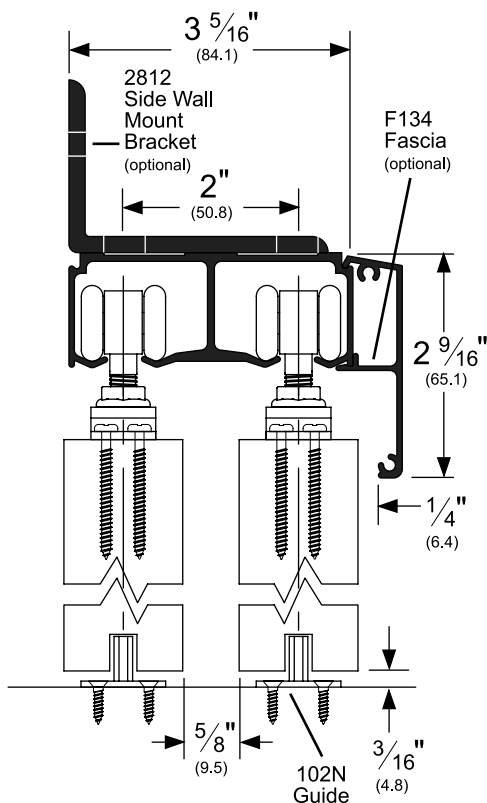


* Sidewall mounting: use one (1) 2812 Kit per 3 ft. of track.

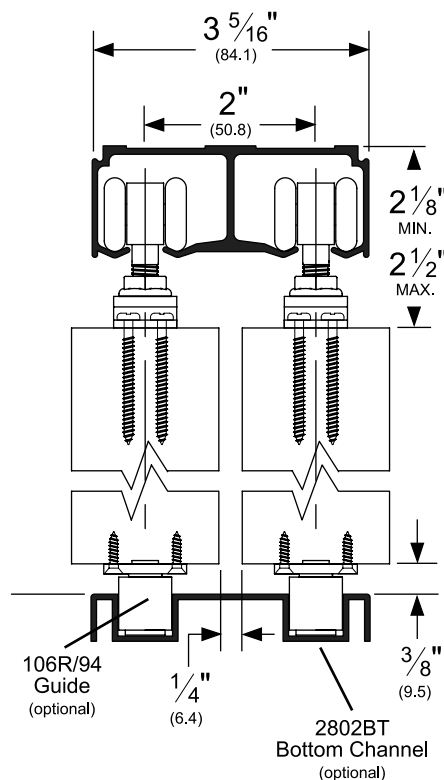


| STANDARD KIT SIZES | |
|--------------------|--------------|
| Part Number | Track Length |
| HBP200A/4 | 48" |
| HBP200A/5'4 | 64" |
| HBP200A/6 | 72" |
| HBP200A/7 | 84" |
| HBP200A/8 | 96" |
| HBP200A/10 | 120" |
| HBP200A/12 | 144" |

1-3/8" Thick Doors



1-3/4" Thick Doors



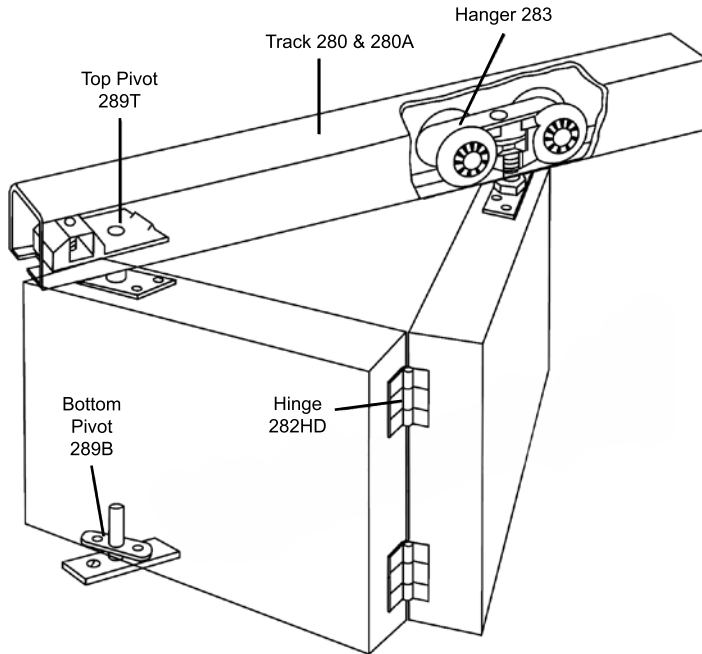
▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • C (Clear Anodized)

SLIDING AND FOLDING HARDWARE

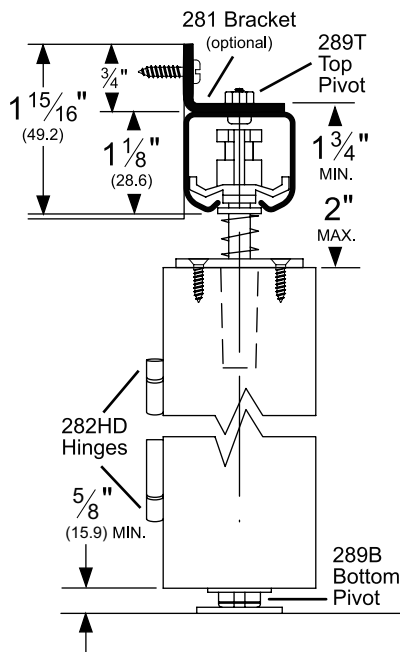
Folding 100 Series

FOR FOLDING DOORS AND ROOM DIVIDERS TO 100 LBS.

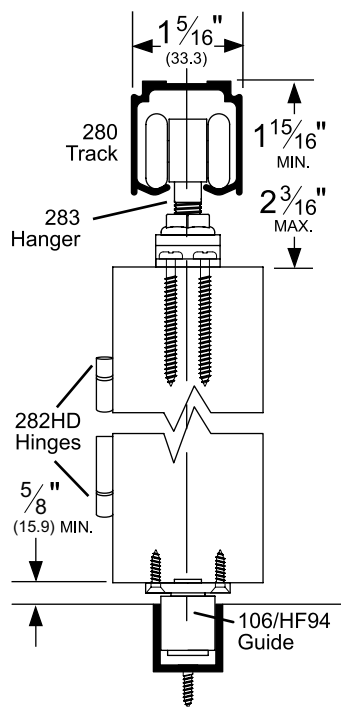


NOTE: Allow 1/4" clearance for pivots at jambs and 1/8" in between doors.

280 Face Mounted



280 Soffit Mounted



High quality hardware makes medium weight folding doors efficient and easy-to-use. Two and four leaf kits are available.

TWO PANEL:

HF2/100A Kits Include:

- 1 ea **280A** Track
- 1 ea **283** Hanger
- 1 ea **289T** Top Pivot
- 1 ea **289B** Bottom Pivot
- 3 ea **282HD** Hinges
- 1 ea **106HF/94**
- 1 ea **94** Guide Channel
- 1 ea Adjusting wrench and mounting hardware

FOUR PANEL:

HF4/100A Kits Include:

- 1 ea **280A** Track
- 2 ea **283** Hangers
- 2 ea **289T** Top Pivots
- 2 ea **289B** Bottom Pivots
- 6 ea **282HD** Hinges
- 2 ea **106HF/94** Guide
- 1 ea **94** Guide Channel
- 1 ea Adjusting wrench and mounting hardware

OPTIONS:

- Mounting Bracket **281** available as 5 pack only, **2815**
- Threshold **971A**

FINISHES:

280A available in Mill Finish Aluminum (A)

STANDARD KIT SIZES

| Part Number | Material | # of Panels | Track Length |
|---------------------|----------|-------------|--------------|
| HF2/100A/2 | Aluminum | 2 | 24" |
| HF2/100A/2'6 | Aluminum | 2 | 30" |
| HF2/100A/3 | Aluminum | 2 | 36" |
| HF2/100A/4 | Aluminum | 2 | 48" |
| HF4/100A/4 | Aluminum | 4 | 48" |
| HF4/100A/5 | Aluminum | 4 | 60" |
| HF4/100A/6 | Aluminum | 4 | 72" |
| HF4/100A/8 | Aluminum | 4 | 96" |
| HF2/100/4 | Steel | 2 | 48" |
| HF4/100/8 | Steel | 4 | 96" |

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum)

Sliding Glass Series

CAPACITY:

| | |
|------------------|---------------------------|
| Max. door weight | 165 lbs. (75kg) |
| Max. door height | 7' 10" (2400mm) |
| Max. door width | 4' 1" (1250mm) |
| Glass thickness | 5/16" (8mm) & 3/8" (10mm) |

DOOR TYPES:

Glass panels of 5/16" (8mm) or 3/8" (10mm) thickness in tempered or laminated glass.

FINISHES:

280A available in Mill Finish Aluminum (A)
F136 Fascia available in Clear Anodized (C)

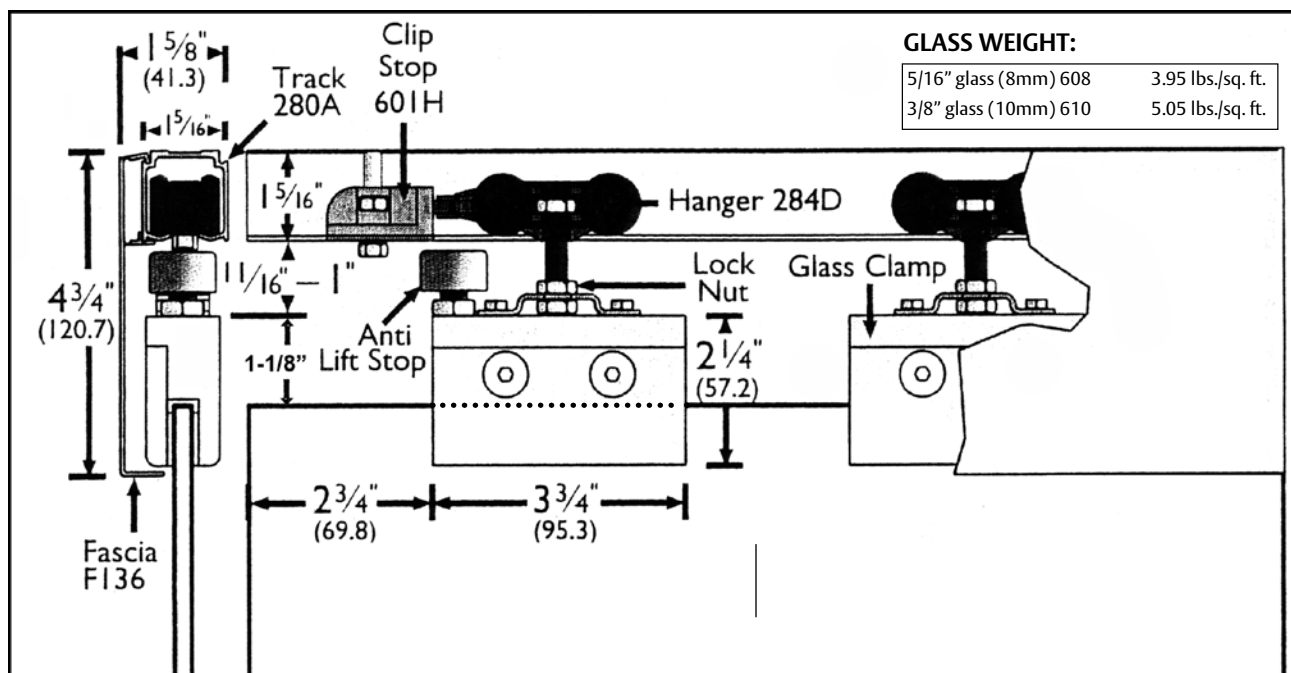
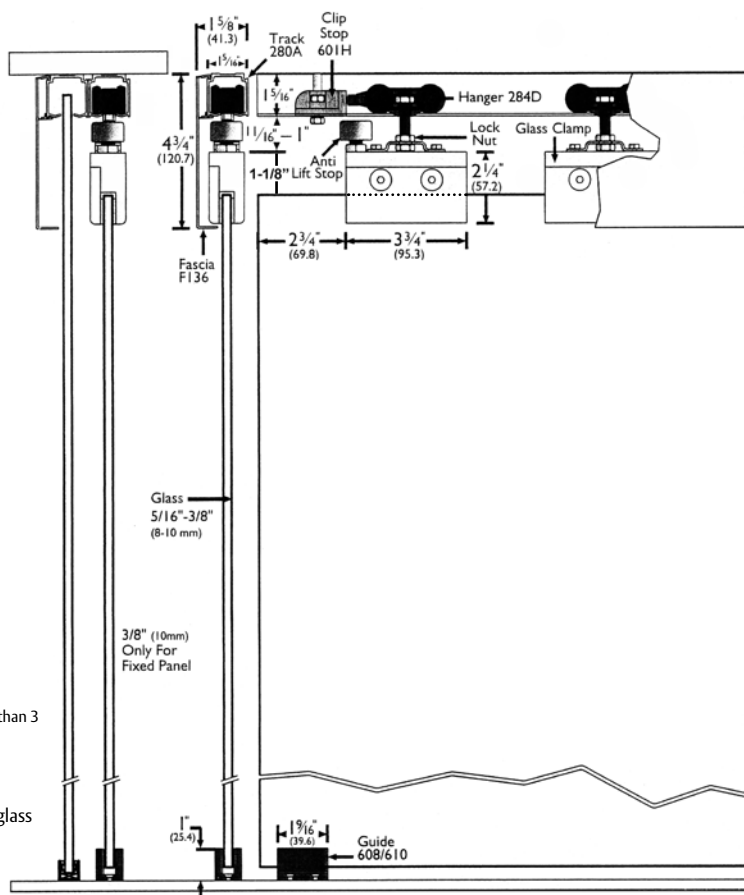
8/10/75HUSKY GLASS CLAMP KITS:

- 2 - Hangers **284D**
- 2 - **GLASS CLAMPS** w/anti-lift stop
- 2 - End stops **601H**
- 2 - Guides **610** (1) and **608** (1)

NOTE: When using glass clamps in combination with protective coatings for glass surfaces such as Clear Shield, ensure that the glass surface to be clamped is not treated with the Clear Shield coating.

TECHNICAL INFORMATION:

| | |
|---------------------|--|
| Track: | 280A (extruded aluminum) Available in 6', 8' & 12' lengths |
| Face mount bracket: | 281 available as 5 pack only, 2815 NOTE: Need one on each end, with no more than 3 feet in between each bracket. |
| Fascias: | Soffit Fixed Track, F136 |
| Glass clamp kits: | 8/10/75HUSKY - 8mm or 10mm glass |
| Guides: | 608 and 610 glass guides |
| Accessories: | 601H retaining stop mounted within the track |



GLASS WEIGHT:

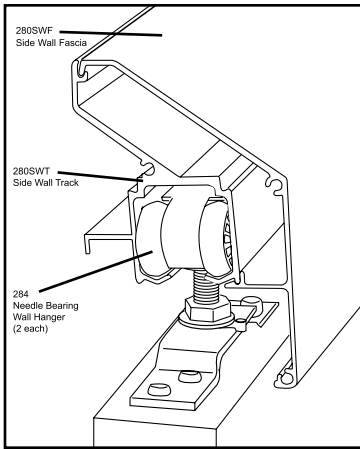
| | |
|-----------------------|-------------------|
| 5/16" glass (8mm) 608 | 3.95 lbs./sq. ft. |
| 3/8" glass (10mm) 610 | 5.05 lbs./sq. ft. |

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

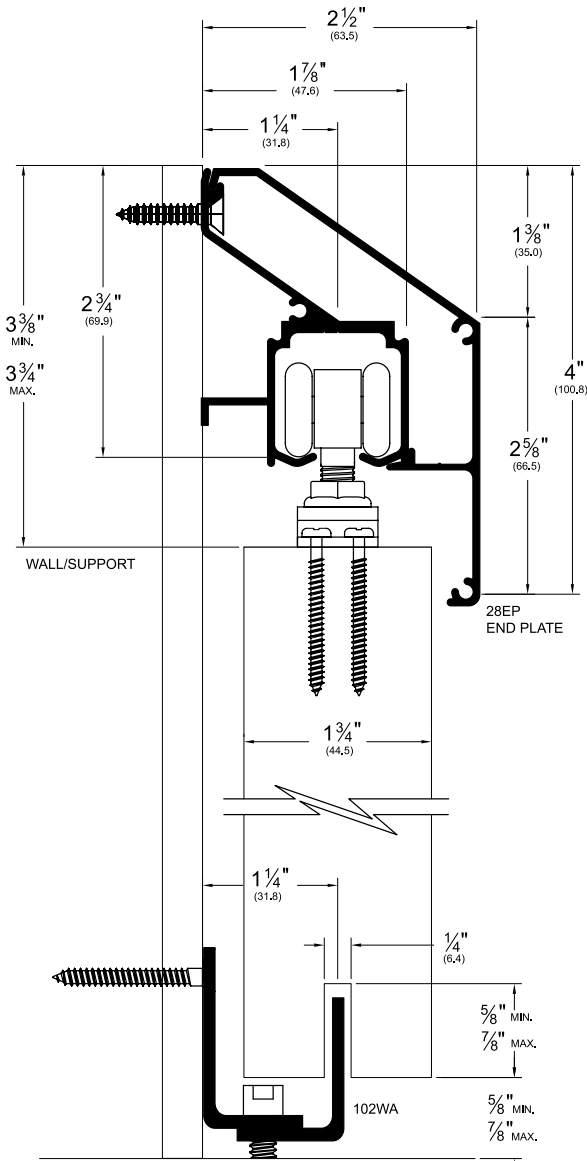
A (Mill Finish Aluminum) • C (Clear Anodized)

SLIDING AND FOLDING HARDWARE

Side Wall Track (SWT) System



- Supports up to 200lbs per door
- New Construction
- Retro-Fit
- Single
- Bi-Parting



280SWT Kits Include:

Side Wall Track
280SWT60 (5 ft.)
280SWT72 (6 ft.)
280SWT96 (8 ft.)

Side Wall End Plates
K28SWEP (2 each)

Side Wall Fascia
280SWF60 (5 ft.)
280SWF72 (6 ft.)
280SWF96 (8 ft.)

Hangers
284 (2 each)
Nylon-Bodied, Needle
Bearing, Acetal Wheel

Stops
286 (2 each)

Bottom Guide - Nylon Door
102N (1 each)

102WA-Sidewall
Mount Mortise
Guide (1 each)

OPTIONS:

Hardware Kit (one door)
Roller Guide
Bottom Channel
Mortise Guide Nylon

H100/200 PACK
106R/94
94A
102WN

STANDARD KIT SIZES

| Part Number | Track Length |
|--|--------------|
| (Aluminum Fascia/End Plates) | |
| 280SWTKIT/5 | 60" |
| 280SWTKIT/6 | 72" |
| 280SWTKIT/8 | 96" |
| 280SWTKIT/12 | 144" |
| (Dark Bronze Anodized Track/Fascia/End Plates) | |
| 280DSWTKIT/5 | 60" |
| 280DSWTKIT/6 | 72" |
| 280DSWTKIT/8 | 96" |
| 280DSWTKIT/12* | 144" |

*NOTE: 280DSWTKIT/12 comes with enough hardware for two doors.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

blank (Mill Finish Aluminum) • D (Dark Bronze Anodized)

Pocket Frame Kit

- Heavy-duty hardware (up to 200 lb. capacity)
- Suitable for 1-3/8" doors; 1-3/4" doors need a PF134 Kit
- Extruded, non-rusting aluminum track
- Knock-down construction
- Extruded, aluminum reinforced studs (minimizes bowing effect)

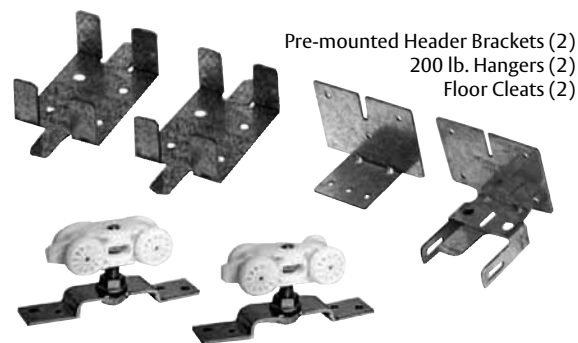
Pocket Frame Kit (PFK) Includes:



Header Track Assembly (1)



Aluminum Cased Wood Studs (4)



Pre-mounted Header Brackets (2)
200 lb. Hangers (2)
Floor Cleats (2)

Assembly Kit (not pictured) Includes:

Mounting hardware, bumper stop, bottom guide and adjusting wrench.

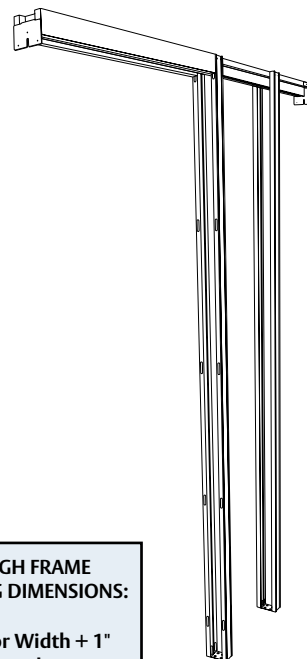
Options

PF134 - Must be ordered for 1-3/4" doors

PFAS88 - An extra pair of 88" center studs with floor cleat for 84" tall doors

PFAS100 - An extra pair of 100" center studs with floor cleat for 96" tall doors

PFCDKIT - Conversion Kit to achieve a bipart double door frame



ROUGH FRAME
OPENING DIMENSIONS:

2x Door Width + 1"
- and -
Door Height + 5"

KIT NUMBER

DOOR SIZE

2x4 Wall

(Can be trimmed in field)

PF28200A6080 2'6" x 6'8"
PF28200A7280 3'0" x 6'8"
PF28200A9680 4'0" x 6'8"

PF28200A6084 2'6" x 7'0"
PF28200A7284 3'0" x 7'0"
PF28200A9684 4'0" x 7'0"

PF28200A6096 2'6" x 8'0"
PF28200A7296 3'0" x 8'0"
PF28200A9696 4'0" x 8'0"

2x6 Wall

PF28200A6080-2x6 2'6" x 6'8"
PF28200A7280-2x6 3'0" x 6'8"
PF28200A9680-2x6 4'0" x 6'8"

PF28200A6084-2x6 2'6" x 7'0"
PF28200A7284-2x6 3'0" x 7'0"
PF28200A9684-2x6 4'0" x 7'0"

PF28200A6096-2x6 2'6" x 8'0"
PF28200A7296-2x6 3'0" x 8'0"
PF28200A9696-2x6 4'0" x 8'0"

* Custom sizes available
call for information

SLIDING AND FOLDING HARDWARE

Options & Accessories

Mounting Brackets



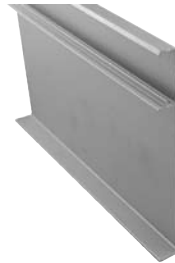
281
(Sold in 5 packs, 2815)



2812



F134



F136

End plates



K134EP

Stops



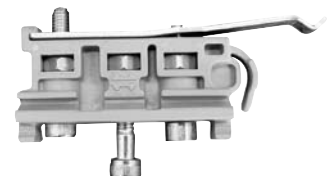
286



287HD



PFBS



601H

Guides



102N



PFBG-4



PFBG-8



106R/94

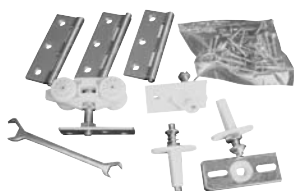


106N/94

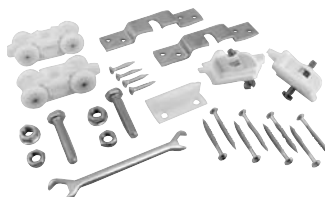


102WA

Hardware Kits



**Folding
HF2/100 Pack**



**Sliding
H100/200 Pack**



**8/10/75Husky
Glass Clamp Kit**

Bottom Channel



94A



2802BT

RESIDENTIAL THRESHOLDS

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| 67 | 131 | 204OAK | 135 | 8451 | 142 |
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| 107 | 130 | 207 | 133 | 8452 | 142 |
| 108 | 130 | 208 | 133 | 74518 | 139 |
| 110 | 130 | 208OAK | 135 | 75518 | 139 |
| 114 | 130 | 212 | 133 | 84514 | 141 |
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| 120 | 130 | 214 | 133 | 93518 | 138 |
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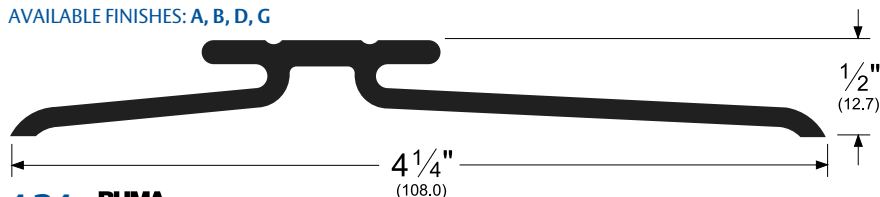
RESIDENTIAL THRESHOLDS

Interlocking Thresholds

- All interlocking thresholds (including water return types) and caps are furnished with #61 hooks and nails, but may be fitted with a variety of hooks, according to need.

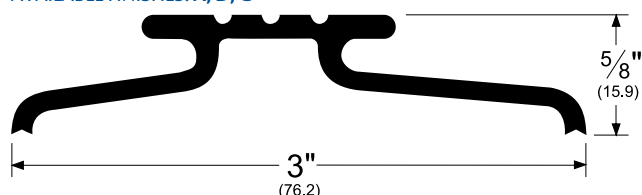
114_ BHMA CERTIFIED

AVAILABLE FINISHES: A, B, D, G



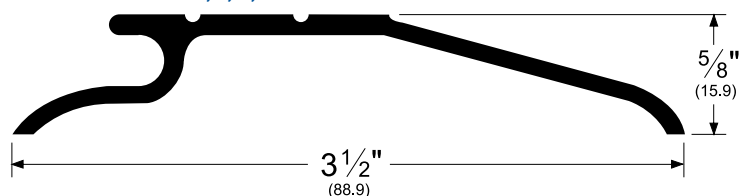
121_ BHMA CERTIFIED

AVAILABLE FINISHES: A, D, G



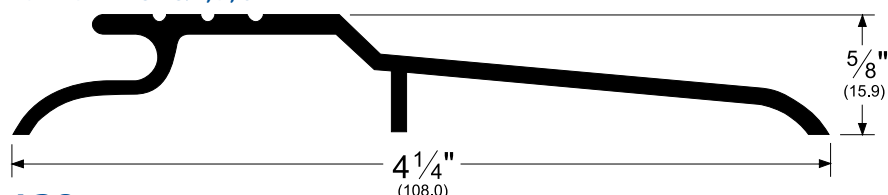
110_

AVAILABLE FINISHES: A, B, D, G



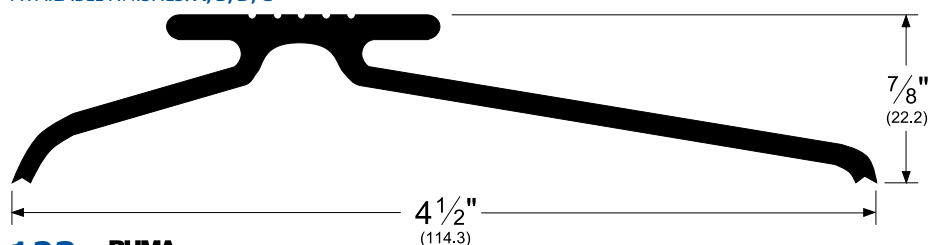
115_

AVAILABLE FINISHES: A, D, G



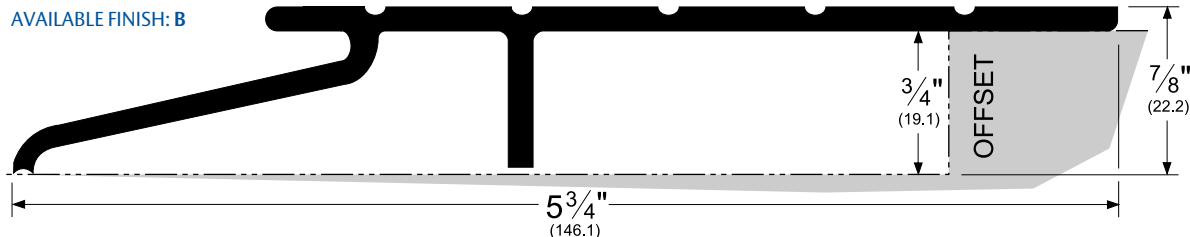
120_

AVAILABLE FINISHES: A, B, D, G



123_ BHMA CERTIFIED

AVAILABLE FINISH: B

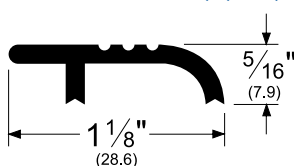


Threshold Caps

- Typically mounted on an existing saddle type threshold to create an interlock with a J-hook or L-hook.

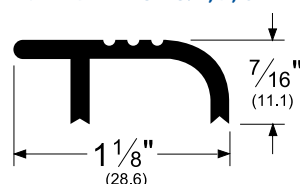
101_ BHMA CERTIFIED

AVAILABLE FINISHES: A, B, BDG, D, G



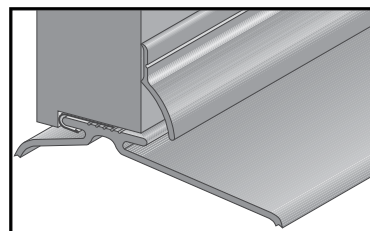
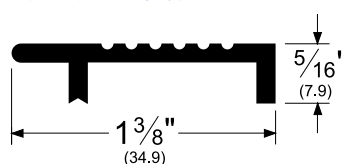
107_ BHMA CERTIFIED

AVAILABLE FINISHES: A, D, G



108_ BHMA CERTIFIED

AVAILABLE FINISH: B



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

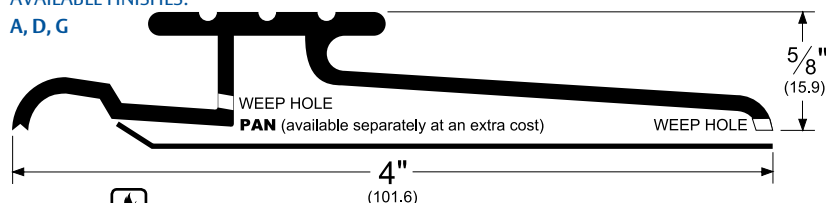
A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)

Interlocking Thresholds - Water Return

- Water return thresholds are designed to catch any water which may blow or run under the door and return it to the outside through interior weep holes, down the sloped drain pan, and out exterior weep holes. Product number for the aluminum water return pan is **PAN**.

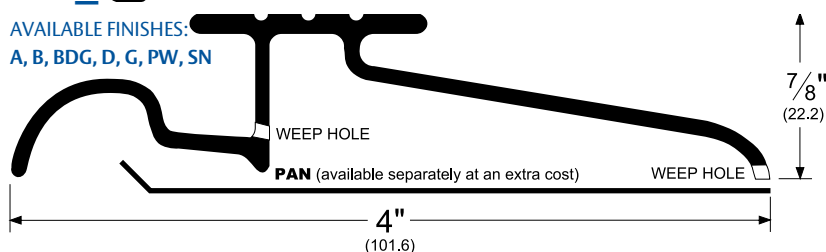
142_

AVAILABLE FINISHES:
A, D, G



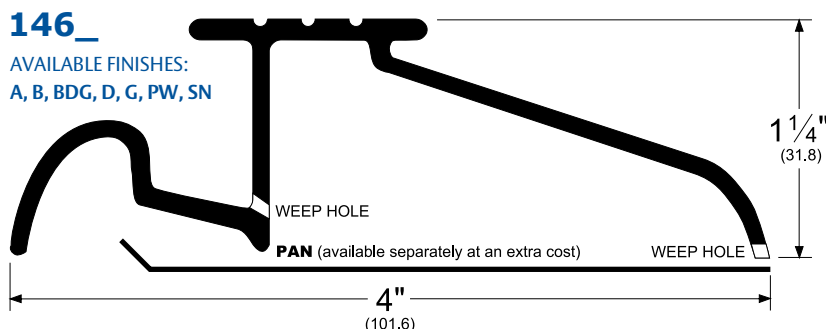
145_

AVAILABLE FINISHES:
A, B, BDG, D, G, PW, SN



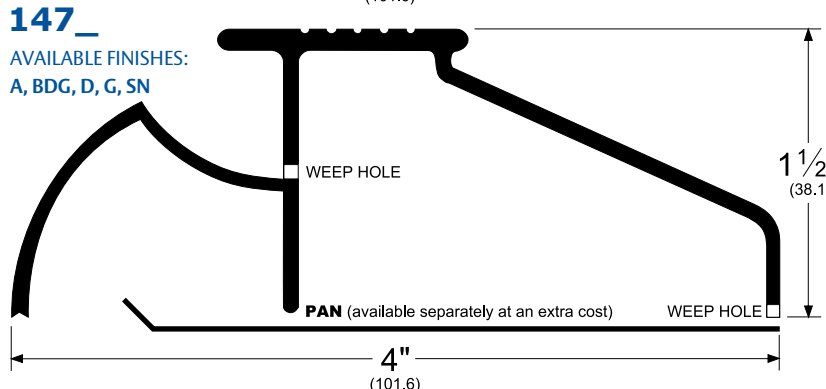
146_

AVAILABLE FINISHES:
A, B, BDG, D, G, PW, SN



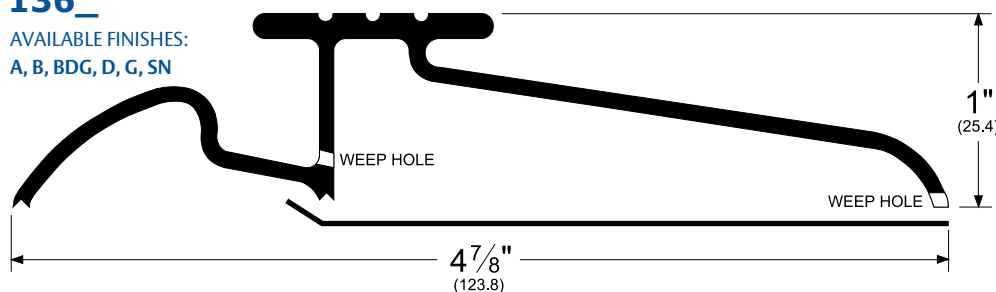
147_

AVAILABLE FINISHES:
A, BDG, D, G, SN



136_

AVAILABLE FINISHES:
A, B, BDG, D, G, SN

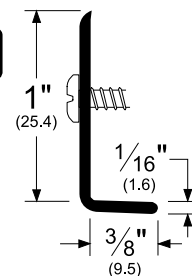


Hooks

- When installed properly on bottom of door, hooks interlock with threshold for a superior seal.
- When substituting #66 or #67 hooks for #61 hooks, price will be increased accordingly. Contact Pemko Customer Service.

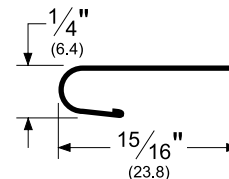
66_

AVAILABLE FINISHES:
A, B, BDG, D, G



61_

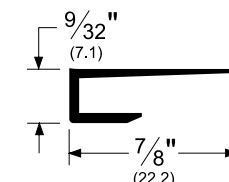
AVAILABLE FINISHES:
B, Z
.018 bronze
.015 zinc



Note: **B61** is roll form bronze metal.

67_

AVAILABLE FINISHES:
A, D, G



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • B (Mill Finish Extruded Bronze [Brass]) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized)
PW (Painted White) • SN (Satin Nickel Anodized) For Hooks: • B (Bronze) • Z (Zinc)

RESIDENTIAL THRESHOLDS

Residential Thresholds - Water Return

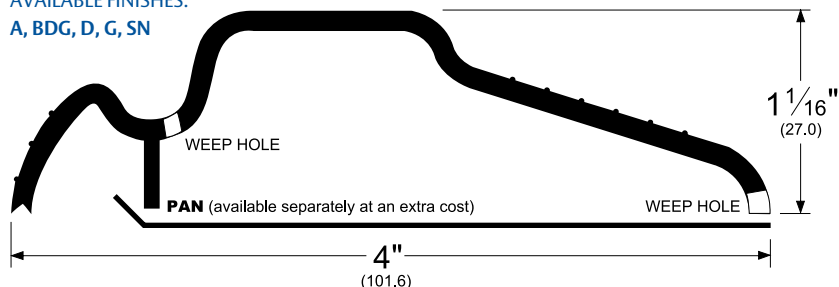
- Water return thresholds are designed to catch any water which may blow or run under the door and return it to the outside through interior weep holes, down the sloped drain pan, and out exterior weep holes.
- Product number for aluminum water return pan is **PAN**.

213_



AVAILABLE FINISHES:

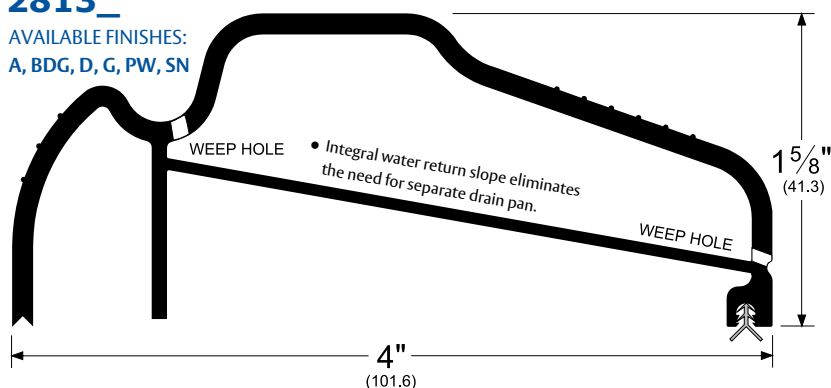
A, BDG, D, G, SN



2813_

AVAILABLE FINISHES:

A, BDG, D, G, PW, SN



Adjustable Vinyl Top Thresholds

- Furnished with concealed, weather-sealed mounting screws and adjustment mechanism.
- Vinyl seal section adjusts to overcome swelling and/or shrinking of door and floor.
- Seal easily adjusts to uneven door or floor.
- Vinyl-top creates a seal at the bottom of the door, eliminating the need for door sweeps or door shoes.
- Furnished with vinyl (V) insert. Gray colored replacement vinyl is **PV64GR** (see Weatherization Products section).
- Pre-assembled for easy installation and adjustment.

249_V

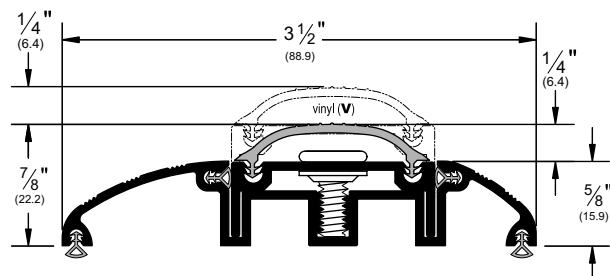


AVAILABLE FINISHES: A, D

AVAILABLE LENGTHS: 36", 72"

Only available in 36" and 72" lengths.

Gray colored replacement vinyl is **PV64GR**.



250_V

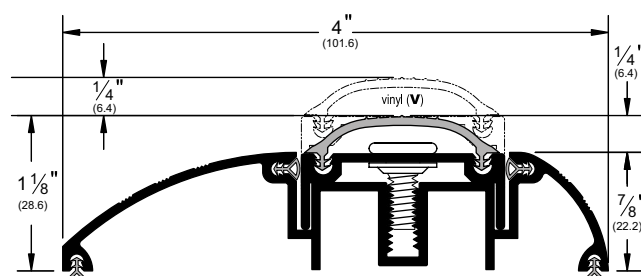


AVAILABLE FINISHES: A, D

AVAILABLE LENGTHS: 36", 72"

Only available in 36" and 72" lengths.

Gray colored replacement vinyl is **PV64GR**.




NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White) • SN (Satin Nickel Anodized)

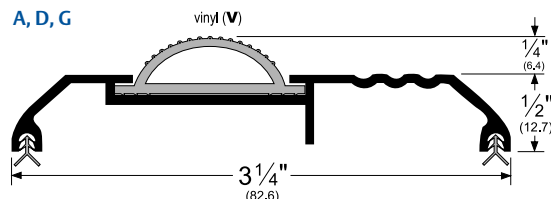
Vinyl Top Thresholds


- Furnished with vinyl (V) insert. For replacement vinyl see Weatherization Products section.
- Used to seal the gap at the bottom of the door.
- Vinyl top creates a seal at the bottom of the door, eliminating the need for door sweeps or door shoes.

206_V  Gray colored replacement vinyl is PV22GR36.
Black colored replacement vinyl is PV22BL36.

AVAILABLE FINISHES:

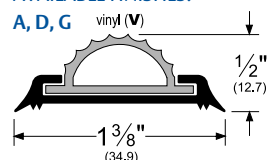
A, D, G




208_V  Gray colored replacement vinyl is PV13GR36.

AVAILABLE FINISHES:

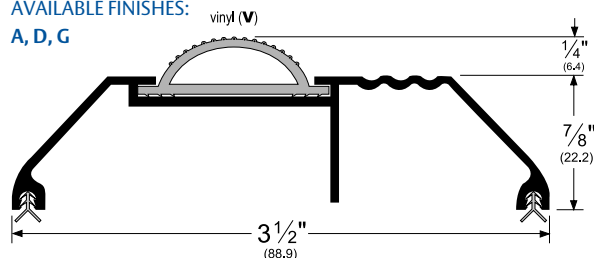
A, D, G



207_V  Gray colored replacement vinyl is PV22GR36.
Black colored replacement vinyl is PV22BL36.

AVAILABLE FINISHES:

A, D, G



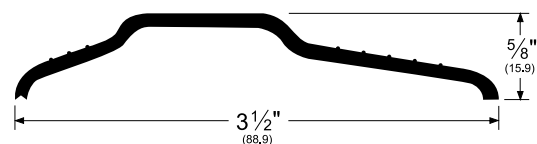
203_V, 204_V, 237_V and 238_V are available, but not represented in the catalog. For more information, please visit pemko.com.

Residential Saddles

- Use a door bottom shoe or door bottom sweep in conjunction with these threshold options to effectively seal out the elements.
- Made of sturdy extruded aluminum.

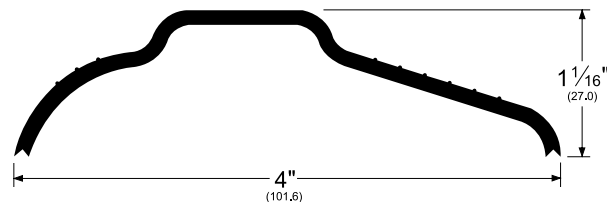
212_ 

AVAILABLE FINISHES: A, BDG, D, G, PW, SN



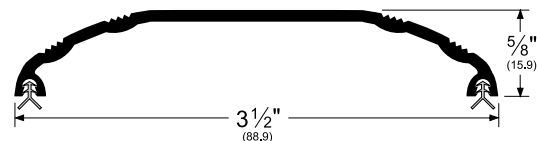
214_ 

AVAILABLE FINISHES: A, BDG, D, G, PW, SN



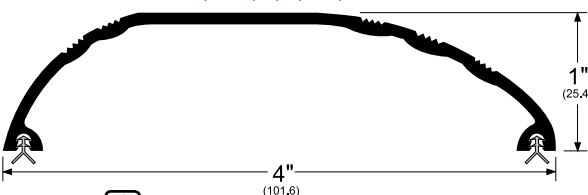
218_ 

AVAILABLE FINISHES: A, BDG, D, G, PW, SN



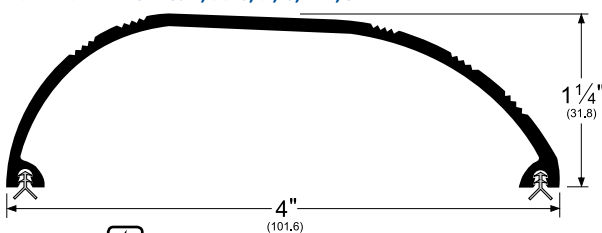
219_ 

AVAILABLE FINISHES: A, BDG, D, G, PW, SN



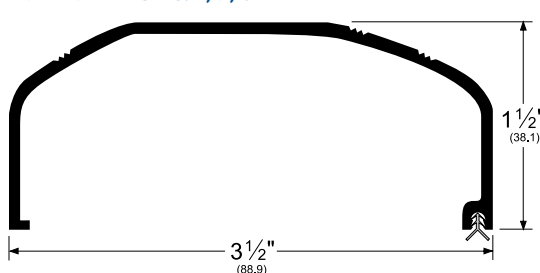
233_ 

AVAILABLE FINISHES: A, BDG, D, G, PW, SN



231_ 

AVAILABLE FINISHES: A, D, G



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White) • SN (Satin Nickel Anodized)

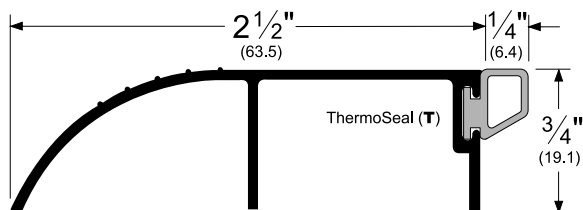
RESIDENTIAL THRESHOLDS

Bumper Thresholds For Outswing Doors

- In the closed position, the door butts up to vinyl bumper on threshold creating a high dam barrier seal from the elements.

149_T

AVAILABLE FINISHES: A, BDG, D, G, PW, SN



ALTERNATE INSERT FOR 149

149_P

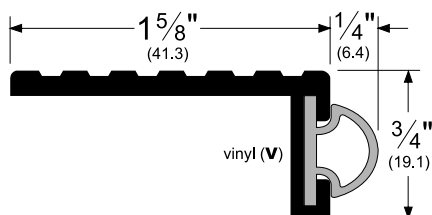
AVAILABLE FINISHES: A, BDG, D, PW, SN

149_V

AVAILABLE FINISHES: A, BDG, D, G, PW, SN

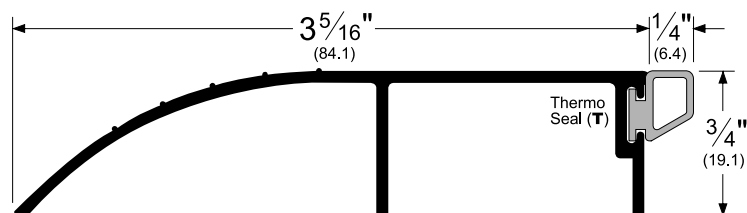
155_V

AVAILABLE FINISHES: A, D, G



205_T

AVAILABLE FINISHES: A, D, G, PW



ALTERNATE INSERT FOR 205

205_P

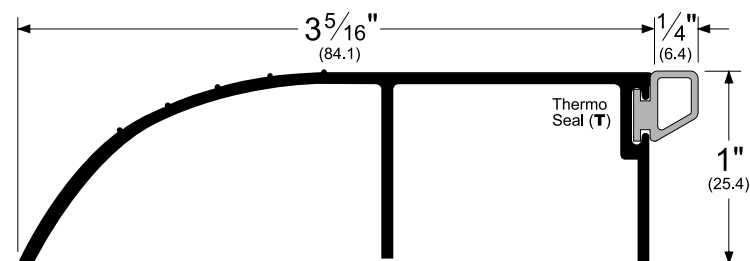
AVAILABLE FINISHES: A, D, PW

205_V

AVAILABLE FINISHES: A, D, G, PW

2051_T

AVAILABLE FINISHES: A, D, G, PW



ALTERNATE INSERT FOR 2051

2051_P

AVAILABLE FINISHES: A, D

2051_V

AVAILABLE FINISHES: A, D, G, PW

NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

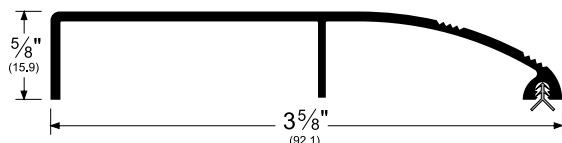
A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White) • SN (Satin Nickel Anodized)

Squareback Thresholds

- Interior support leg flushes with interior jamb in application, allowing flooring to squarely abut threshold.
- Ideal for tall terra cotta, plush carpet or stone paver entry applications for smooth transition.
- Gently sloping and ribbed exterior ramp eliminates trip hazard while providing maximum rain guard. (Be sure to caulk all support legs or lay in mastic for best seal).
- Center support leg provides for engineered threshold stability.

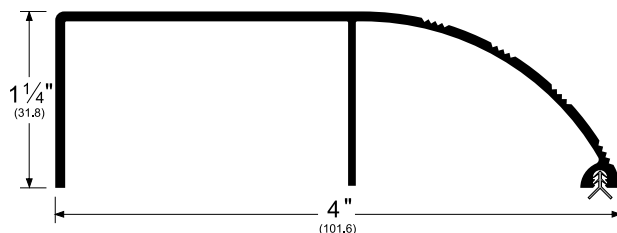
2052_

AVAILABLE FINISHES: A, D



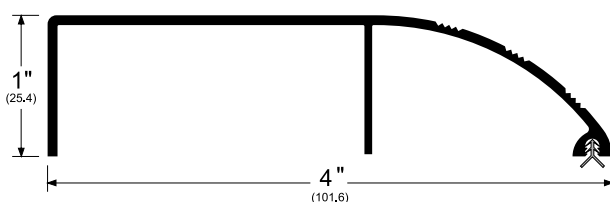
2054_

AVAILABLE FINISHES: A, D



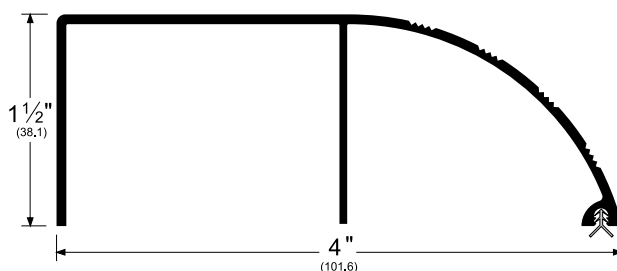
2053_

AVAILABLE FINISHES: A, D



2055_

AVAILABLE FINISHES: A, BDG, D

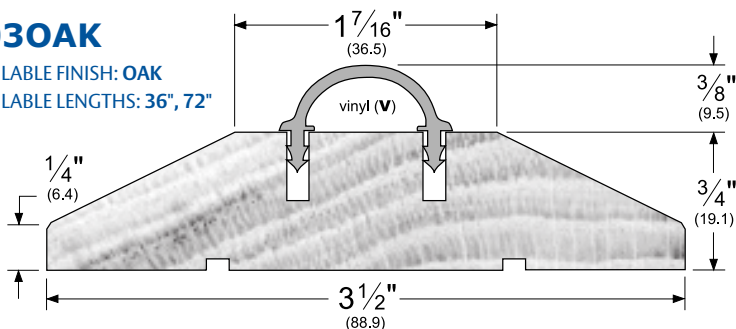


Oak Thresholds

- Natural oak provides beauty as well as thermal qualities in the winter (unfinished).
- Vinyl-top creates a seal at bottom of door, eliminating the need for door sweeps or door shoes.
- Tan colored replacement vinyl for oak vinyl top thresholds is PV83TN (see Weatherization Products section).

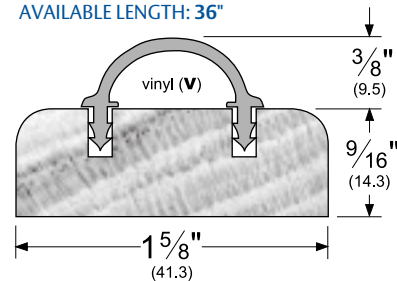
2030AK

AVAILABLE FINISH: OAK
AVAILABLE LENGTHS: 36", 72"



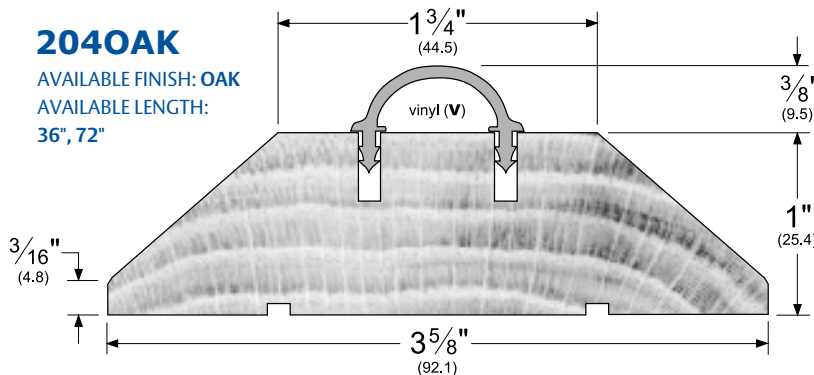
2080AK

AVAILABLE FINISH: OAK
AVAILABLE LENGTH: 36"



2040AK

AVAILABLE FINISH: OAK
AVAILABLE LENGTH:
36", 72"



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

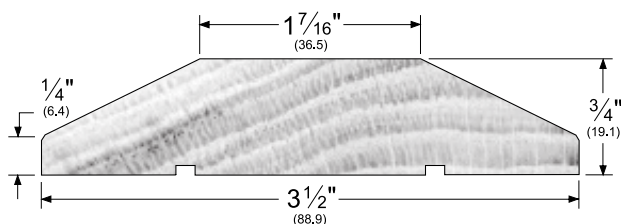
A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • OAK (Natural Unfinished Oak) • SN (Satin Nickel Anodized)

RESIDENTIAL THRESHOLDS

Oak Thresholds (Cont.)

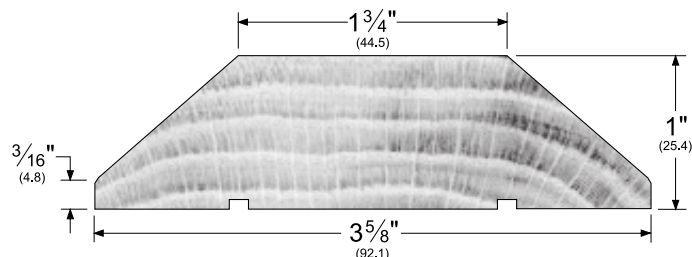
218OAK

AVAILABLE FINISH: OAK
AVAILABLE LENGTHS: 36", 72"



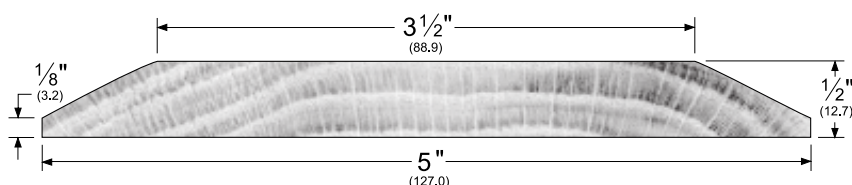
219OAK

AVAILABLE FINISH: OAK
AVAILABLE LENGTHS: 36", 72"



2500W

AVAILABLE FINISH: W
AVAILABLE LENGTHS: 36", 72"

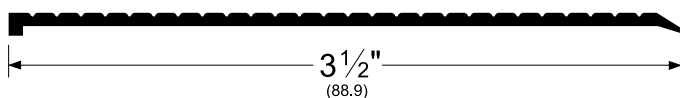


Sill Nosings

- Used to cover concrete or wood sub-sill.
- Provides an attractive finished look to new and old door openings, covering defects in sub-sill.
- These stops will effect the pivot hole location of an assembly.
- Sill nosings held in place with mastic and pressure from threshold placement.

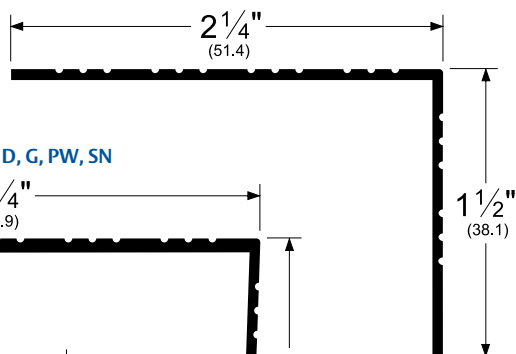
324_

AVAILABLE FINISHES: A, B, BDG, D, G, PW, SN



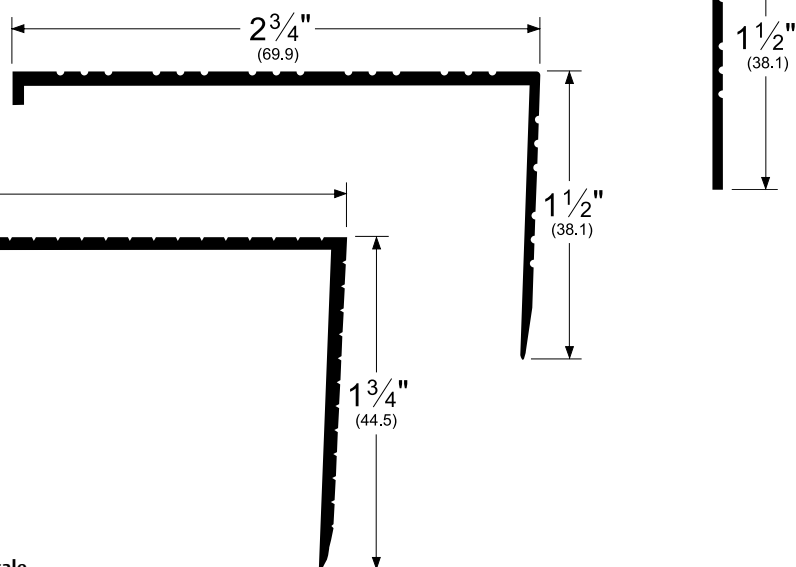
3261_

AVAILABLE FINISHES: A, D, G, SN



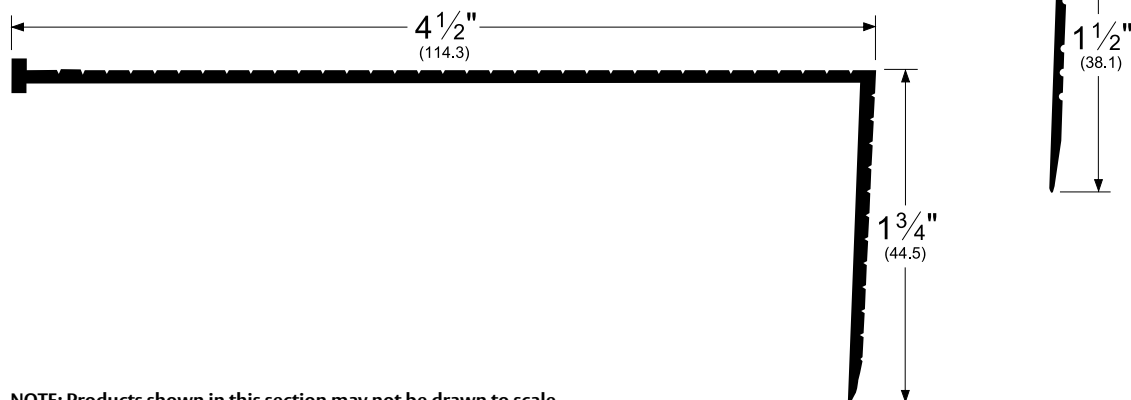
326_

AVAILABLE FINISHES: A, B, BDG, D, G, PW, SN



327_

AVAILABLE FINISHES: A, BDG, D, G, PW, SN



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • OAK (Natural Unfinished Oak)
• PW (Painted White) • SN (Satin Nickel Anodized) • W (Solid Oak)

- Available in 5° bevels to accommodate most doors.
- Standard stock lengths are 32.5", 36.5", and 73.75" (NET). For non-standard sizes, call Pemko for a quotation.
- Wood components are treated with high quality water seal which protects/preserves the wood and helps prevent discoloration.
- Sills for use with a standard 4-5/8" jamb width with easy snap on extenders for jambs as wide as 8-3/4".
- Fabrication options for adjustable or fixed substrate sills, such as horn or sidelite mullion notching, please contact Pemko Customer Service for details. Specification drawings may be required. Price and availability by quotation.
- The following products are designed specifically for the pre-hung door market. They are furnished un-drilled and without screws or nails: **94518**, **95518**, **93518**, **N84518**, **N85518**, **N84514**, **N85514**, **OS95518**, **74518**, **75518**, **84514**, **85514**, **8451**, **8452** and **EXT** for jambs as wide as 8-3/4".

How To Order Sills (Product Number Designations)

Example: OS|9|5|5|18|BDG|W|73.75|NT

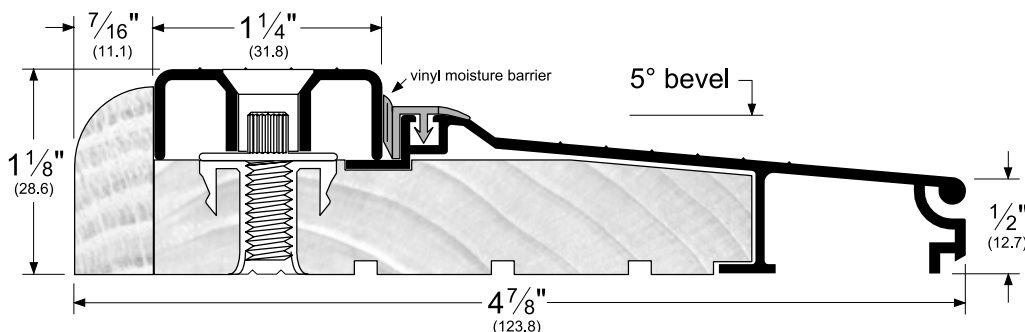
| Sill Type | Top Type | Width | Slope | Height | Finish | Top Material | Length | Trim |
|-------------------------|-------------------------|---------------------------------|-------------------|-------------------------|-------------------------------|-------------------------|---------------|-----------------------|
| OS Outswing Sill | 8 Fixed Top | 3 3-3/4" Length | 5 5° Slope | 1 1" Height | A Mill Finish Aluminum | Ø Aluminum Top | 32.5" | Ø Regular Trim |
| N Narrow Top | 9 Adjustable Top | 4 4-7/8" or 4-5/8" width | | 14 1-1/4" Height | BDG Bright Dip Gold | V Vinyl Top | 36.5" | NT Narrow Trim |
| WR Water Return | | 5 5-3/4" or 5-1/2" width | | 18 1-1/8" Height | D Dark Bronze | W Oak (Wood) Top | 73.75" | |

Adjustable Aluminum Top Sills

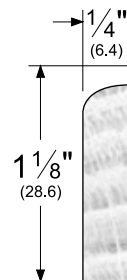
- Adjustable up to 1/4" to compensate for uneven door bottoms and sub-sill level changes. Two-part zinc plated steel stud shoulder screw joins a long-barreled, zinc plated steel T-nut for superior stability and long-lasting reliability.
- Vinyl moisture barrier prevents water intrusion. Design of vinyl bulb configuration keeps constant pressure between aluminum cap and aluminum extrusion at any level of adjustment. (Bulb shown compressed.)
- Available in standard sizes 32.5", 36.5", and 73.75".

94518_

AVAILABLE FINISHES: A, BDG, D, SN

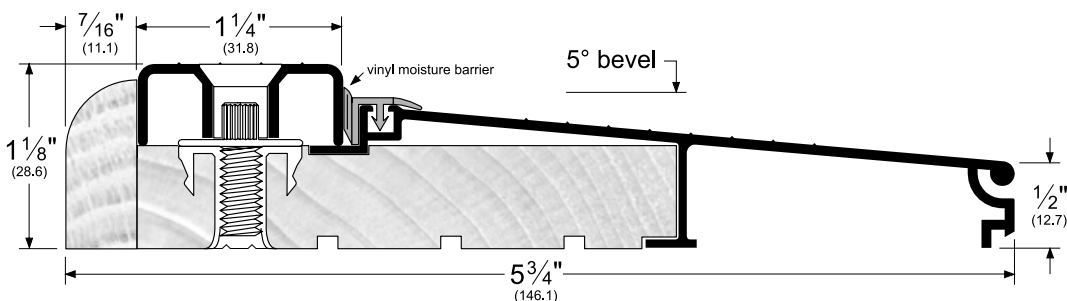


Add "NT" to the end of product number to order narrow trim (i.e. **94518A36.5NT**).
Full width of sill changes from 4-7/8" to 4-11/16".

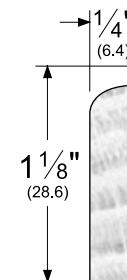


95518_

AVAILABLE FINISHES: A, BDG, D, SN



Add "NT" to the end of product number to order narrow trim (i.e. **95518A36.5NT**).
Full width of sill changes from 5-3/4" to 5-9/16".



NOTE: Products shown in this section may not be drawn to scale.

▲ **AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE** (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • SN (Satin Nickel Anodized)

RESIDENTIAL THRESHOLDS

Adjustable Oak Top Sills

- Adjustable up to 1/4" to compensate for uneven door bottoms and sub-sill level changes. Two-part zinc plated steel stud shoulder screw joins a long-barreled, zinc plated steel T-nut for superior stability and long-lasting reliability.
- Vinyl moisture barrier prevents water intrusion. Design of vinyl bulb configuration keeps constant pressure between wood cap and aluminum extrusion at any level of adjustment (bulb shown compressed).
- Available in standard sizes 32.5", 36.5", and 73.75".

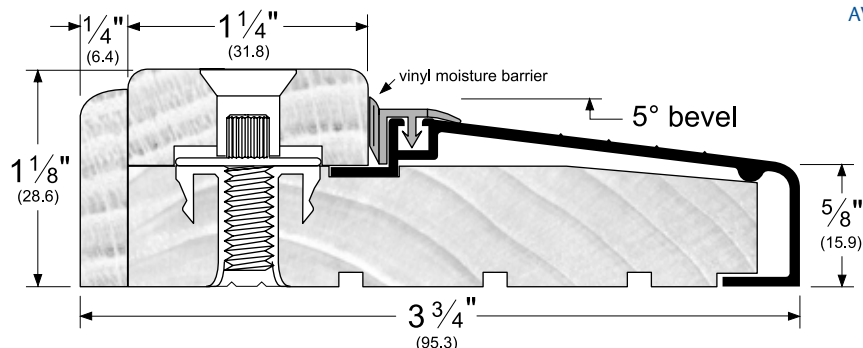
93518_W

AVAILABLE FINISHES: A, D

Available with Optional Synthetic Wood Substrate

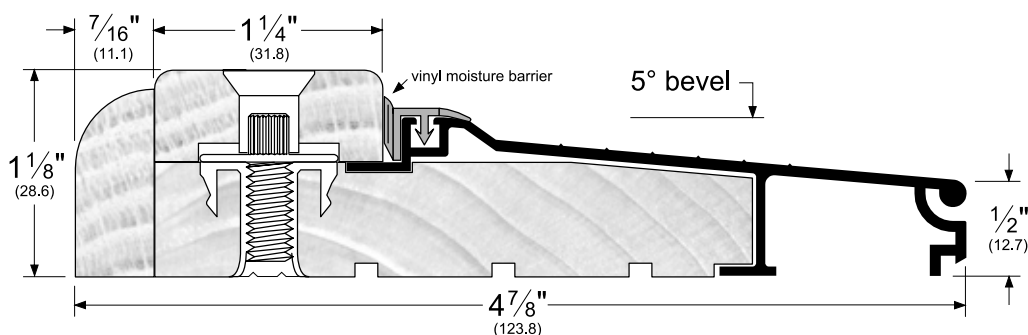
93518_W_SYN

AVAILABLE FINISH: A



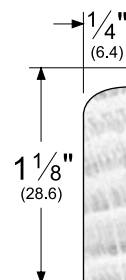
94518_W

AVAILABLE FINISHES: A, BDG, D, SN



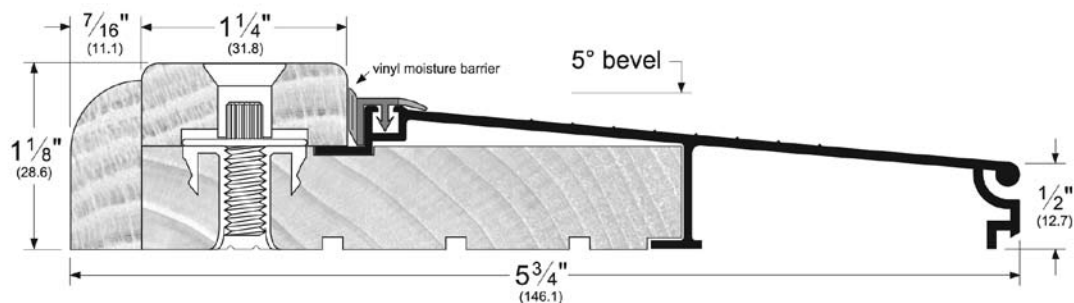
Add "NT" to the end of product number to order narrow trim (i.e. **94518AW36.5NT**).

Full width of sill changes from 4-7/8" to 4-11/16".



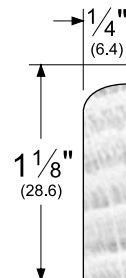
95518_W

AVAILABLE FINISHES: A, BDG, D, SN



Add "NT" to the end of product number to order narrow trim (i.e. **95518AW36.5NT**).

Full width of sill changes from 5-3/4" to 5-9/16".



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

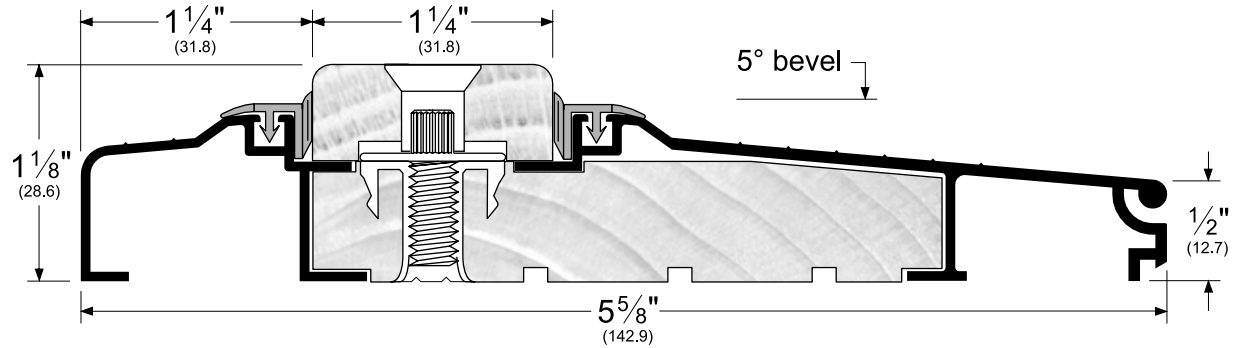
A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • SN (Satin Nickel Anodized)

Outswing Adjustable Oak Top Sills

- Adjustable up to 1/4" to compensate for uneven door bottoms. Two-part zinc plated steel stud shoulder screw joins a long-barreled, zinc plated steel T-nut for superior stability and long-lasting reliability.
- Vinyl moisture barrier prevents water intrusion. Design of vinyl bulb configuration keeps constant pressure between wood cap and aluminum extrusion at any level of adjustment (bulb shown compressed).

OS95518_W

AVAILABLE FINISHES: A, BDG, D



Residential All-Aluminum Adjustable Sills

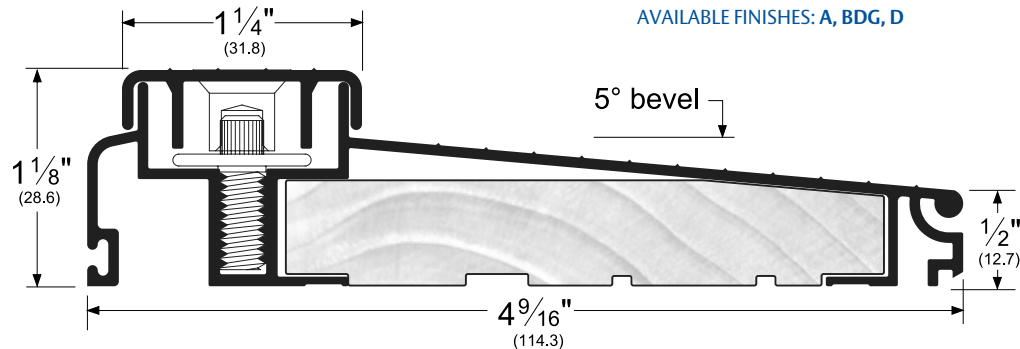
74518_

AVAILABLE FINISHES: A, BDG, D, SN

Available with Optional Synthetic Wood Substrate

74518_SYN

AVAILABLE FINISHES: A, BDG, D



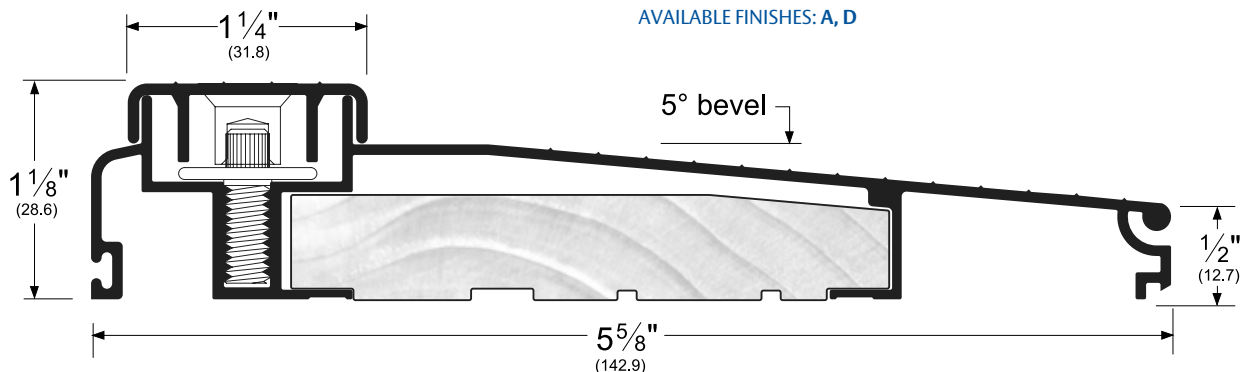
75518_

AVAILABLE FINISHES: A, BDG, D, SN

Available with Optional Synthetic Wood Substrate

75518_SYN

AVAILABLE FINISHES: A, D



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • SN (Satin Nickel Anodized)

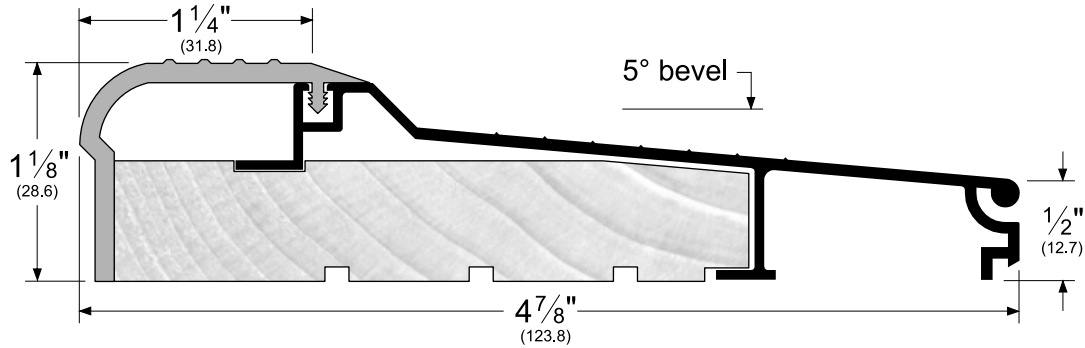
RESIDENTIAL SILLS FOR PRE-HANGING

■ Fixed Vinyl Sills, Narrow Top - 1-1/8" High

- Fixed rigid vinyl (V) cap includes new ratchet lock feature which prevents moisture penetration and securely fastens vinyl to aluminum extrusion.

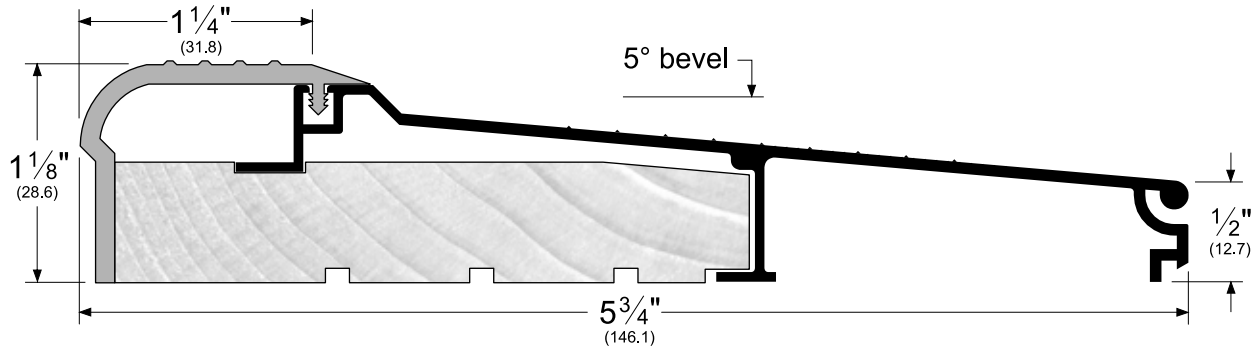
N84518_V

AVAILABLE FINISHES: A, D, SN



N85518_V

AVAILABLE FINISHES: A, D

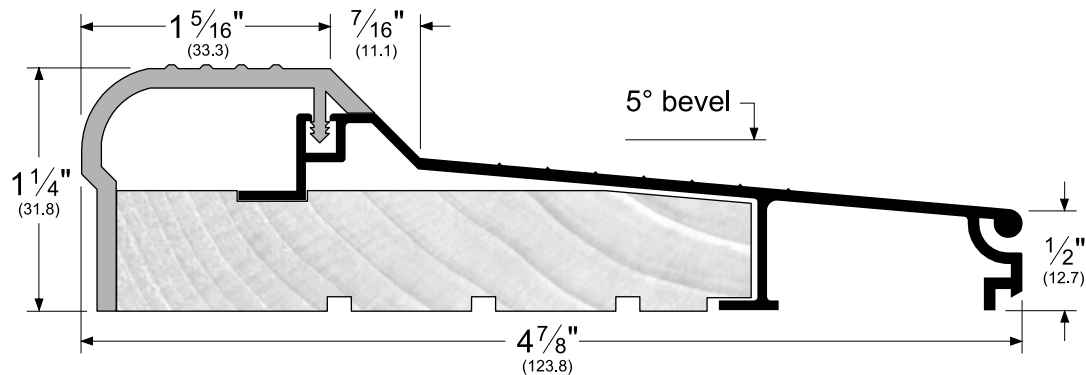


■ Fixed Vinyl Sills, Narrow Top - 1-1/4" High

- Fixed rigid vinyl (V) cap includes new ratchet lock feature which prevents moisture penetration and securely fastens vinyl to aluminum extrusion.

N84514_V

AVAILABLE FINISHES: A, BDG, D, SN



NOTE: Products shown in this section may not be drawn to scale.

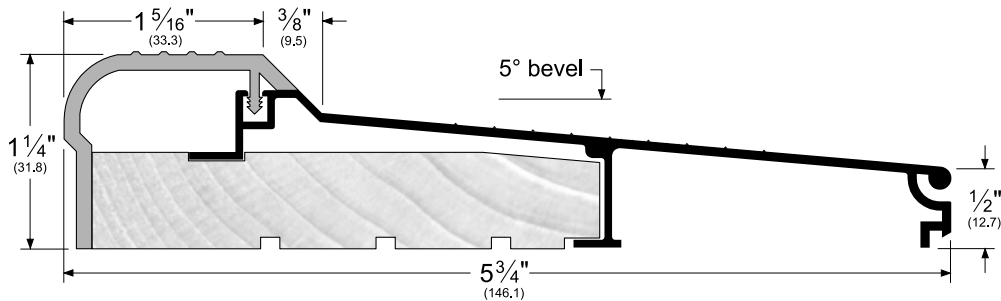
▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • SN (Satin Nickel Anodized)

■ Fixed Vinyl Sills, Narrow Top - 1-1/4" High (Cont.)

N85514_V

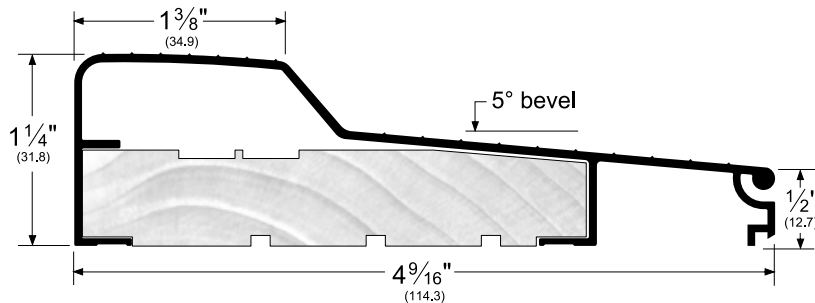
AVAILABLE FINISHES: A, BDG, D



■ Residential All-Aluminum Fixed Sills

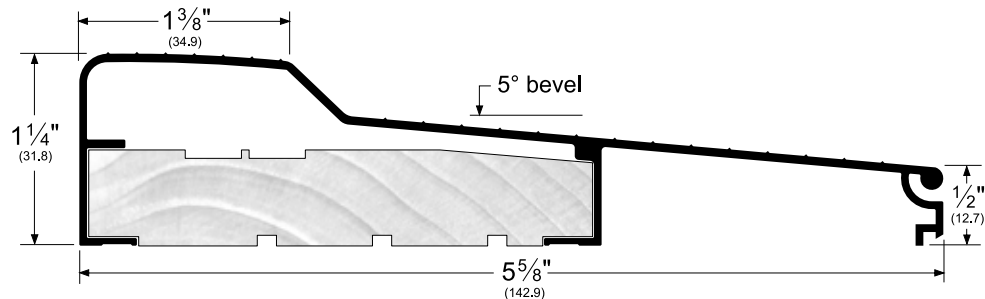
84514_

AVAILABLE FINISHES: A, BDG, D, SN



85514_

AVAILABLE FINISHES: A, BDG, D, SN

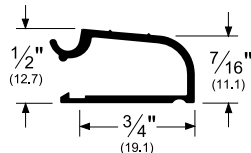


■ Extenders For All Sills

- Extenders fit all 5°, 4-7/8" wide, and 5-3/4" wide extrusions.

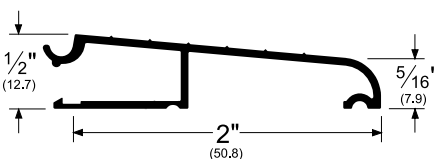
EXT3/4_

AVAILABLE FINISHES:
A, BDG, D, SN



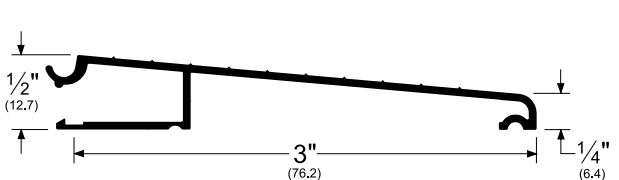
EXT2_

AVAILABLE FINISHES:
A, BDG, D, SN



EXT3_

AVAILABLE FINISHES:
A, BDG, D, SN



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • SN (Satin Nickel Anodized)

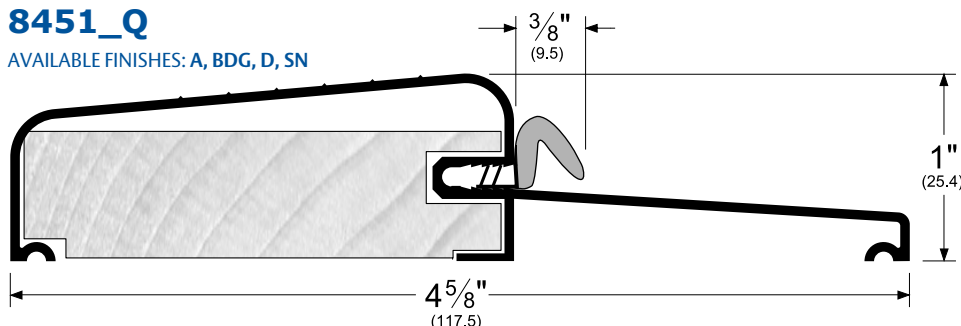
RESIDENTIAL SILLS FOR PRE-HANGING

■ Outswing Fixed Bumper Sils - 1" High

- High dam design restricts water intrusion.
- Supplied with high quality Q-103 (Q) kerf-in-seal.
- Available in oak top or aluminum top as shown.
- Extendable to interior.

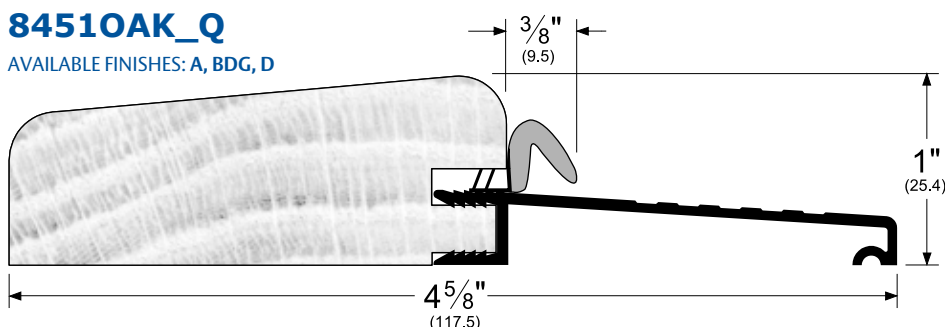
8451_Q

AVAILABLE FINISHES: A, BDG, D, SN



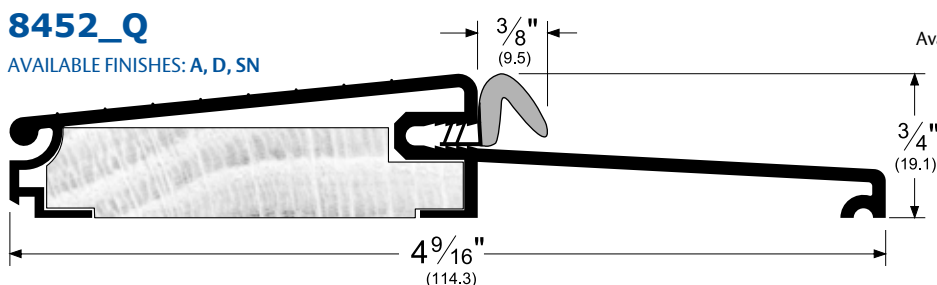
8451OAK_Q

AVAILABLE FINISHES: A, BDG, D



8452_Q

AVAILABLE FINISHES: A, D, SN



Available with Optional Synthetic Wood Substrate

8452_Q_SYN

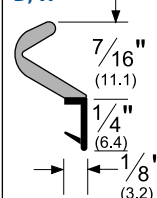
AVAILABLE FINISHES: A, D

ALTERNATE INSERT FOR 8451, 8451OAK, 8452

Q107_

AVAILABLE FINISHES:

D, W



8452, 8451OAK, and 8451 available with Q107 insert only upon request.

■ Bumper Thresho-Sills For Outswing Doors

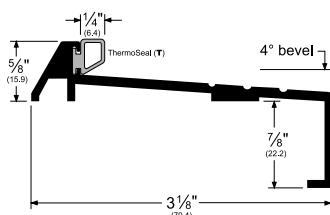
- Please specify whether the part is to be used for a standard threshold or for a prehung application. For a standard threshold application, the part is supplied with 3 holes on center and 1/2" over net length (less than 48") and 1" over net length (48" and over). For a prehung application, the part is supplied according to fabrication options for thresho-sills - STYLE 4 only (see page 144).

165_T



AVAILABLE FINISHES: A, D

Allow 3/8" door clearance.



ALTERNATE INSERT FOR 165

165_V



AVAILABLE FINISHES: A, D

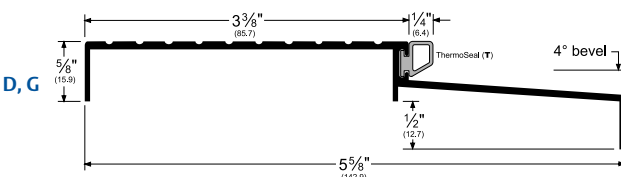


153_T



AVAILABLE FINISHES: A, BDG, D, G

Allow 3/8" door clearance.



ALTERNATE INSERT FOR 153

153_V



AVAILABLE FINISHES: A, BDG, D, G, SN



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • SN (Satin Nickel Anodized)

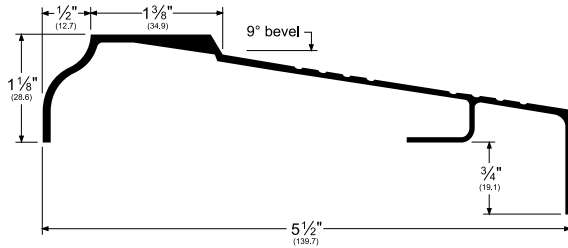
Kerf Insert: D (Dark Brown) • W (White)

Thresho-Sills

- The following products are designed specifically for the prehung door market.
- See fabrication options for thresho-sills (see page 144) for complete information and drawings regarding milling, drilling and notching.

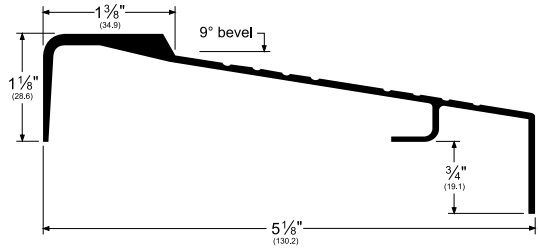
160_

AVAILABLE FINISHES:
A, D, G, PW



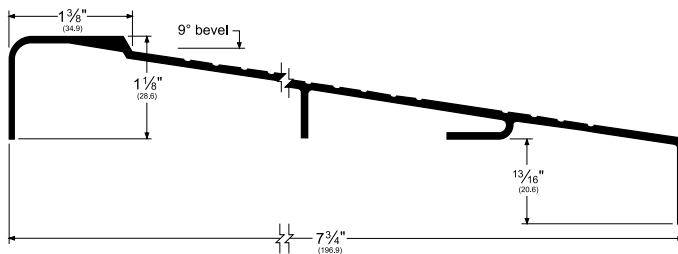
160_M

AVAILABLE FINISHES:
A, BDG, D, G, PW, SN



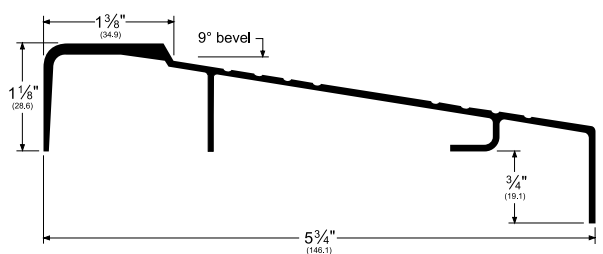
161_M

AVAILABLE FINISHES: A, BDG, D, G, PW, SN



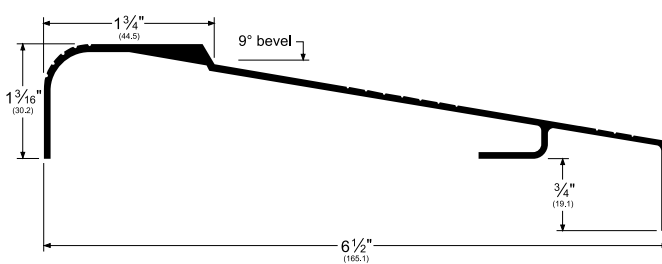
163_M

AVAILABLE FINISHES: A, BDG, D, G, PW, SN



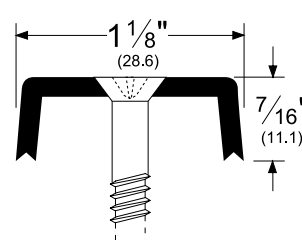
164_M

AVAILABLE FINISHES: A, BDG, D, G, PW



167_

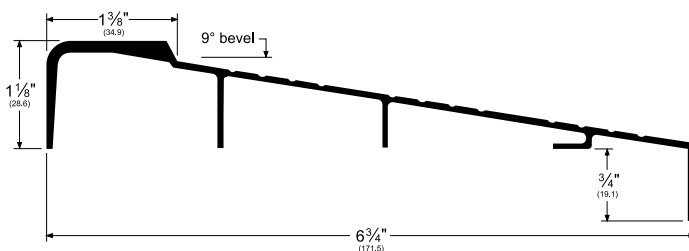
AVAILABLE FINISHES: A, D, G



- Riser fastens to top of any thresho-sill.
- Supplied with both wood and sheet metal screws.
- Specify NET length when ordering.

140_M

AVAILABLE FINISHES: A, BDG, D, G, PW, SN



NOTE: Products shown in this section may not be drawn to scale.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • BDG (Bright Dip Gold Anodized) • D (Dark Bronze Anodized) • G (Gold Anodized) • PW (Painted White) • SN (Satin Nickel Anodized)

RESIDENTIAL SILLS FOR PRE-HANGING

Fabrication Options For Thresho-Sills

STYLE 3A *(standard mill)*

- **Fabrication includes:** 3/4" mill each end, 3 nail holes at each end, and one center screw.
- **Preparation:** Cut jamb 3/4" at angle and height of threshold. Nail threshold to underside of jamb.
- **Ordering:** Add 1-1/2" to net opening dimension and designate **Style 3A** by adding "M" following product number.

(Example: A 160_M profile for a 36" net opening with a **STYLE 3A** fabrication = 160_MM37.5)

STYLE 3B *(modification of STYLE 3A)*

- **Fabrication includes:** 3/8" mill each end, 3 nail holes at each end, and one center screw.
- **Preparation:** Cut jamb 3/8" at angle and height of threshold. Nail threshold to underside of jamb.
- **Ordering:** Add 3/4" to net opening dimension and designate **STYLE 3B** by adding "M" following product number.

(Example: A 160_M profile for a 36" net opening with a **STYLE 3B** fabrication = 160_MM36.75)

STYLE 3C *(modification of STYLE 3A)*

- **Fabrication includes:** 1/2" mill each end, 3 nail holes at each end, and one center screw.
- **Preparation:** Cut jamb 1/2" at angle and height of threshold. Nail threshold to underside of jamb.
- **Ordering:** Add 1" to net opening dimension and designate **STYLE 3C** by adding "M" following product number.

(Example: A 160_M profile for a 36" net opening with a **STYLE 3C** fabrication = 160_MM37)

STYLE 4

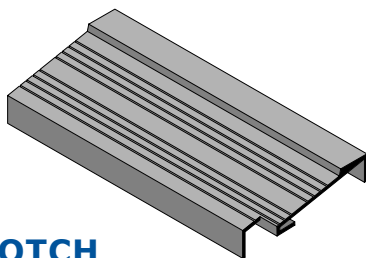
- **Fabrication includes:** 2 nail holes at each end, and one center screw.
- **Preparation:** Rabbet stop to angle and height of threshold. Nail threshold to underside of stop.
- **Ordering:** Order net opening dimension and designate **STYLE 4** by adding "H" following the product number.

(Example: A 160_M profile for a 36" net opening with a **STYLE 4** fabrication = 160_MH36)

L-NOTCH

Accommodates trim molding by notching corner of product.

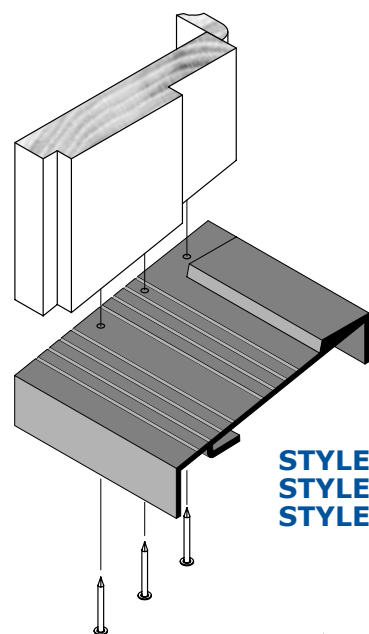
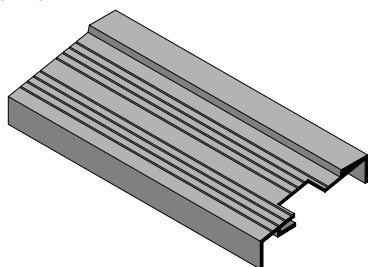
- **Fabrication:** Customer must supply diagram indicating location and dimensions of **L-NOTCH** (see drawing).
- Pemko Customer Service can provide form to fill in location and dimensions.
- **Ordering:** Specify "L-NOTCH". After fabrication, orders are non-cancellable and non-returnable.



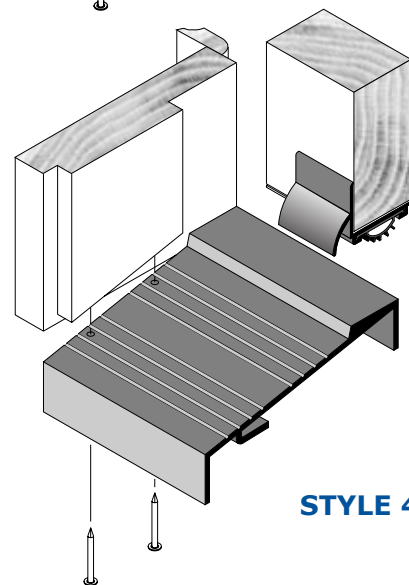
U-NOTCH

For use with pre-installed door frames, to "drop-in" around door frame stops.

- **Fabrication:** Customers must supply diagram indicating location and dimensions of U-NOTCH cut-out.
- Pemko Customer Service can provide form to fill in location and dimensions.
- **Ordering:** Specify "U-NOTCH". After fabrication, orders are non-cancellable and non-returnable.

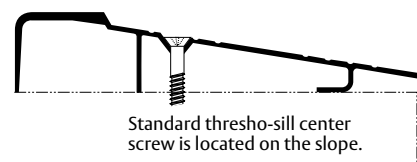


**STYLE 3A
STYLE 3B
STYLE 3C**

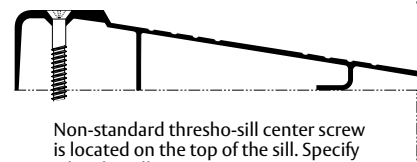


STYLE 4

Screw Location



Standard thresho-sill center screw is located on the slope.



Non-standard thresho-sill center screw is located on the top of the sill. Specify "thresho-sill screws on top".



ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

FLOOR MOLDING, TRIM & HANDYSHAPES™

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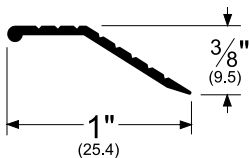
FLOOR MOLDING, TRIM & HANDYSHAPES™

- Read each product number according to the following example: **2131A72** ("2131" refers to the part profile number; "A" refers to finish; "72" refers to part length in inches).
- Fasteners (nails or screws) are included.
- All molding and trim is extruded aluminum (unless otherwise noted).

■ Carpet Bar - Standard

2131_

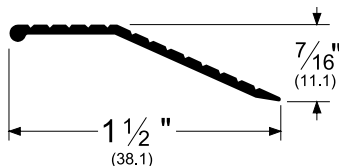
AVAILABLE FINISHES: A, G
AVAILABLE LENGTHS: 36", 72"



Provided with drive nails.

2132_

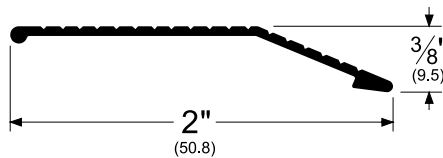
AVAILABLE FINISHES: A, G
AVAILABLE LENGTHS: 36", 72"



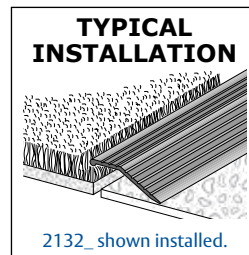
Provided with drive nails.

2134_

AVAILABLE FINISHES: A, G
AVAILABLE LENGTHS: 36", 72"



Provided with drive nails.

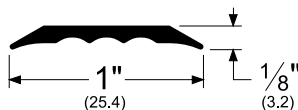


■ Seam Binding

- Seam Binding covers seams and joints in linoleum, floor tile, carpet and other similar floor coverings.
- All have a smooth finish.

2218_

AVAILABLE FINISHES: A, G
AVAILABLE LENGTHS: 36", 72"

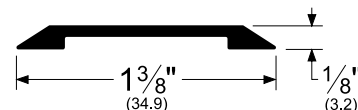


Provided with drive nails.



2219_

AVAILABLE FINISHES: A, G
AVAILABLE LENGTHS: 36", 72"



Provided with drive nails.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

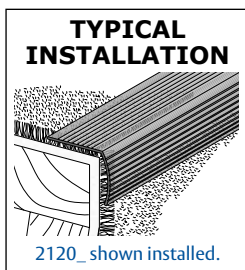
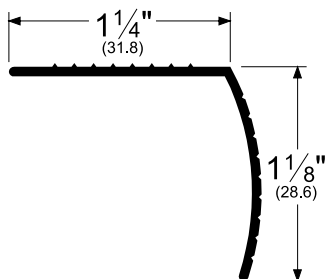
A (Mill Finish Aluminum) • G (Gold Anodized)

Stair Nosing

- Stair Nosing protects and improves the appearance of stair edges.

2120_

AVAILABLE FINISHES: A, G
AVAILABLE LENGTHS: 36", 72"



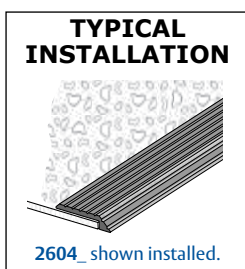
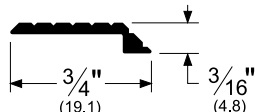
- Provided with drive nails.
- Ribbed top surface and fluted face.

Edging

- Edging covers protect and provide a neat trim for the edge of linoleum, floor tile and other similar floor coverings.

2604_

AVAILABLE FINISHES: A, G
AVAILABLE LENGTHS: 36", 72"



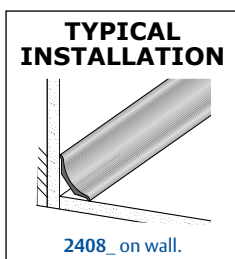
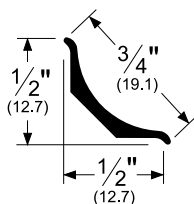
- Provided with screw nails.
- Fluted finish.

Coves

- Coves provide a concave surface for inside corners for smooth appearance and easy cleaning.

2408_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 72"



Provided with screw nails.

▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

A (Mill Finish Aluminum) • C (Clear Anodized) • G (Gold Anodized)

FLOOR MOLDING, TRIM & HANDYSHAPES™

- Read each product number according to the following example: **2141W72** ("2141" refers to the part profile number; "W" refers to finish; "72" refers to part length in inches).

- Quality oak creates a warm and beautiful finished look.
- All are drilled with countersunk holes and supplied with brass plated screws.

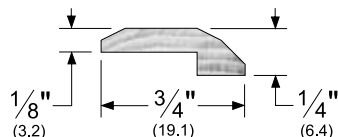
Oak Floor Edging

- Oak Floor Edging covers, protects and provides a neat trim for the edges of wood, tile, linoleum and other surfaces.

2604W

AVAILABLE FINISH: W

AVAILABLE LENGTHS: 36", 72"



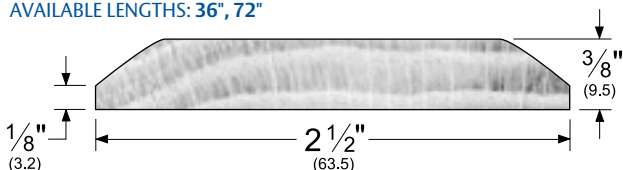
Oak Seam Binding

- Oak Seam Binding covers seams between wood, tile, linoleum and other surfaces.
- Wider seam binding (2550, 2300, 2350 and 2500) can also be used as thresholds.

2250W

AVAILABLE FINISH: W

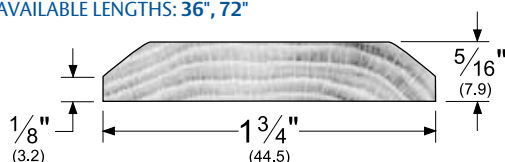
AVAILABLE LENGTHS: 36", 72"



2175W

AVAILABLE FINISH: W

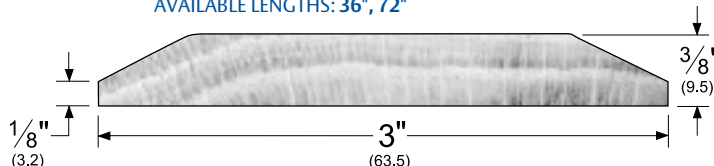
AVAILABLE LENGTHS: 36", 72"



2300W

AVAILABLE FINISH: W

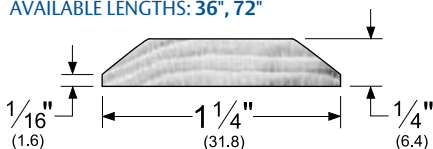
AVAILABLE LENGTHS: 36", 72"



2219W

AVAILABLE FINISH: W

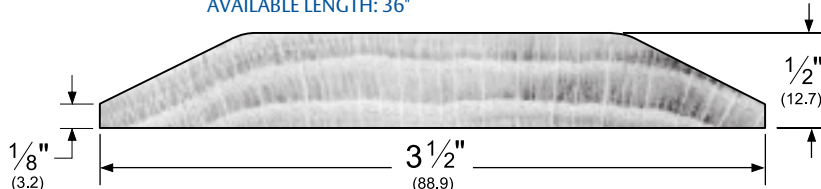
AVAILABLE LENGTHS: 36", 72"



2350W

AVAILABLE FINISH: W

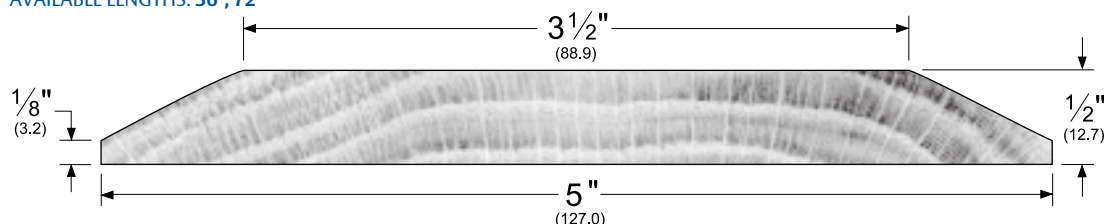
AVAILABLE LENGTH: 36"



2500W

AVAILABLE FINISH: W

AVAILABLE LENGTHS: 36", 72"



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

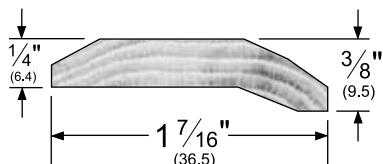
W (Solid Oak)

Oak Carpet Trim

- Oak Carpet Trim covers, protects and beautifies carpet edges.
- Also covers seams between two surfaces of different height.

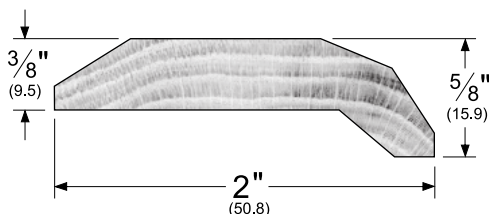
2132W

AVAILABLE FINISH: W
AVAILABLE LENGTHS: 36", 72"



2133W

AVAILABLE FINISH: W
AVAILABLE LENGTHS: 36", 72"

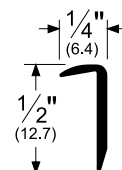


Metal Edge Facing

- Smooth-finish Metal Edge Facing trims and protects edges of counters, workbenches and tables. All have a smooth finish.
- Fasteners included: 2070, 2072, 2076, 2084 are provided with screw nails.

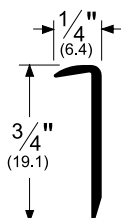
2070_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 72"



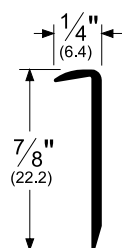
2072_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 72"



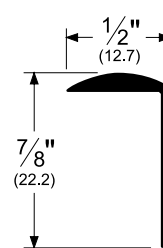
2076_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 72"



2084_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 72"

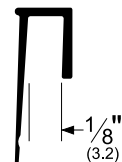


Metal Caps

- Metal Caps protect and support wallboard edges.
- Also used to frame mirrors or to retain carpet/linoleum.
- Fasteners not included (except for the 3102 at 72" and 96", which are provided with screw nails).

3100_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



3102_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized) • W (Solid Oak)

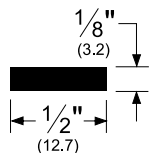
FLOOR MOLDING, TRIM & HANDYSHAPES™

- Read each HandyShapes™ product number according to the following example: **2901C72** ("2901" refers to the part profile number; "C" refers to the part finish; "72" refers to the part length in inches).

HandyShapes™ - Flat Bar

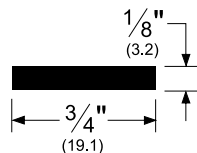
2945_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



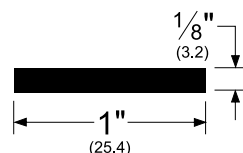
2949_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



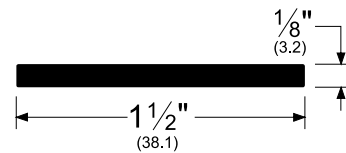
2953_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



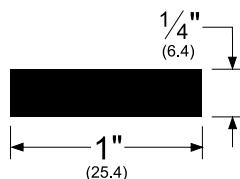
2959_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



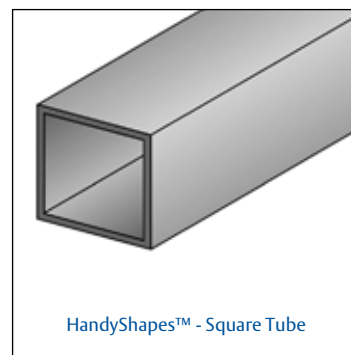
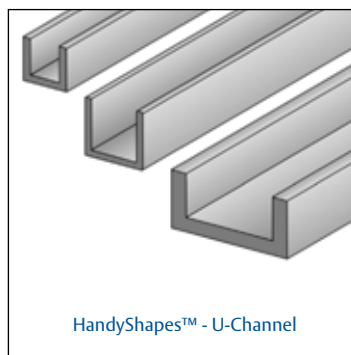
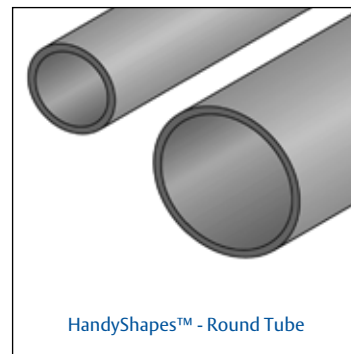
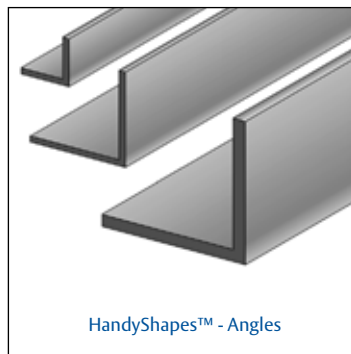
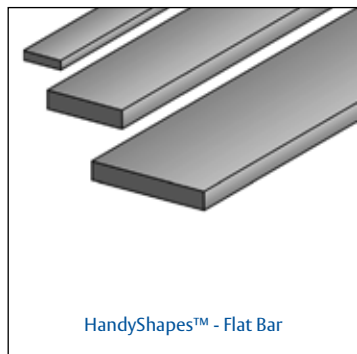
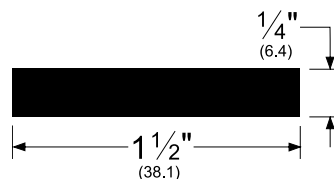
2957_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



2961_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized)

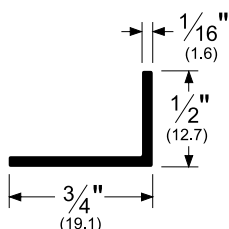
FLOOR MOLDING, TRIM & HANDYSHAPES™

- Read each HandyShape™ product number according to the following example: **2901C72** ("2901" refers to the part profile number; "C" refers to the part finish; "72" refers to the part length in inches).

HandyShapes™ - Angles

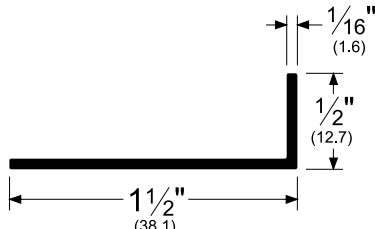
2897_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



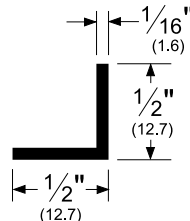
2899_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



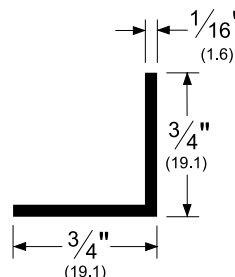
2901_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



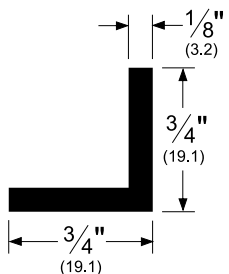
2905_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



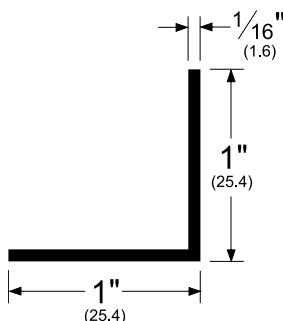
2909_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



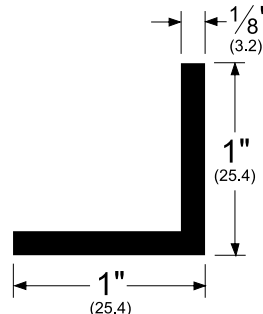
2913_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



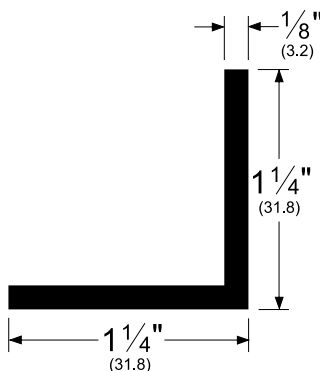
2917_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



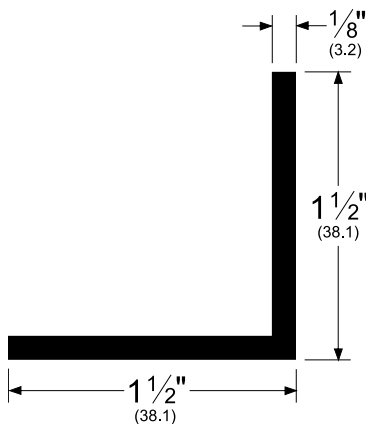
2921_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



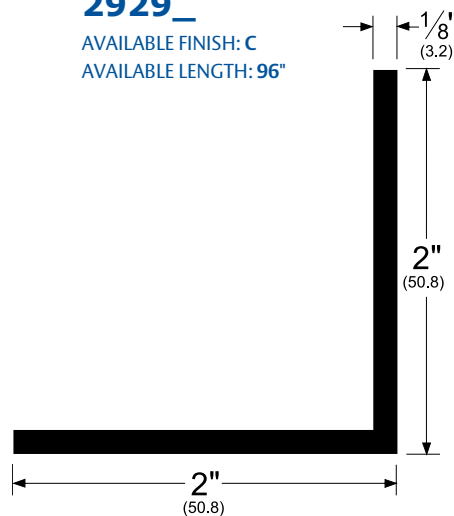
2925_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



2929_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized)

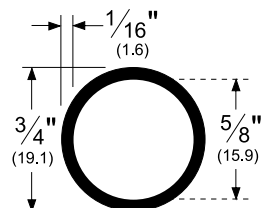
FLOOR MOLDING, TRIM & HANDYSHAPES™

- Read each HandyShape™ product number according to the following example: 2901C72 ("2901" refers to the part profile number; "C" refers to the part finish; "72" refers to the part length in inches).

HandyShapes™ - Round Tube

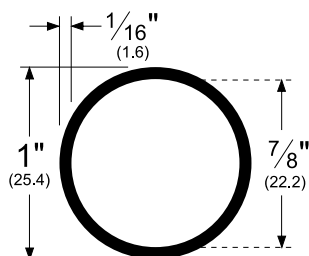
2965_

AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



2969_

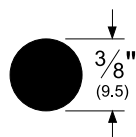
AVAILABLE FINISH: C
AVAILABLE LENGTH: 96"



HandyShapes™ - Solid Rod

2981_

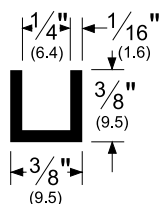
AVAILABLE FINISH: C
AVAILABLE LENGTHS: 72", 96"



HandyShapes™ - U-Channel

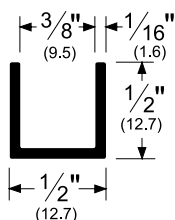
2933_

AVAILABLE FINISH: C
AVAILABLE LENGTHS: 72", 96"



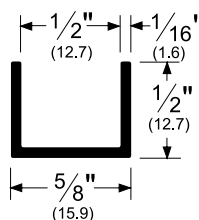
2935_

AVAILABLE FINISH: C
AVAILABLE LENGTHS: 72", 96"



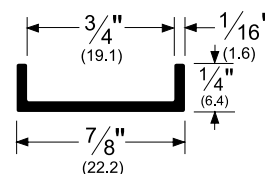
2937_

AVAILABLE FINISH: C
AVAILABLE LENGTHS: 72", 96"



2939_

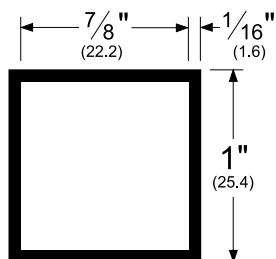
AVAILABLE FINISH: C
AVAILABLE LENGTHS: 72", 96"



HandyShapes™ - Square Tube

2977_

AVAILABLE FINISH: C
AVAILABLE LENGTHS: 72", 96"



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

C (Clear Anodized)

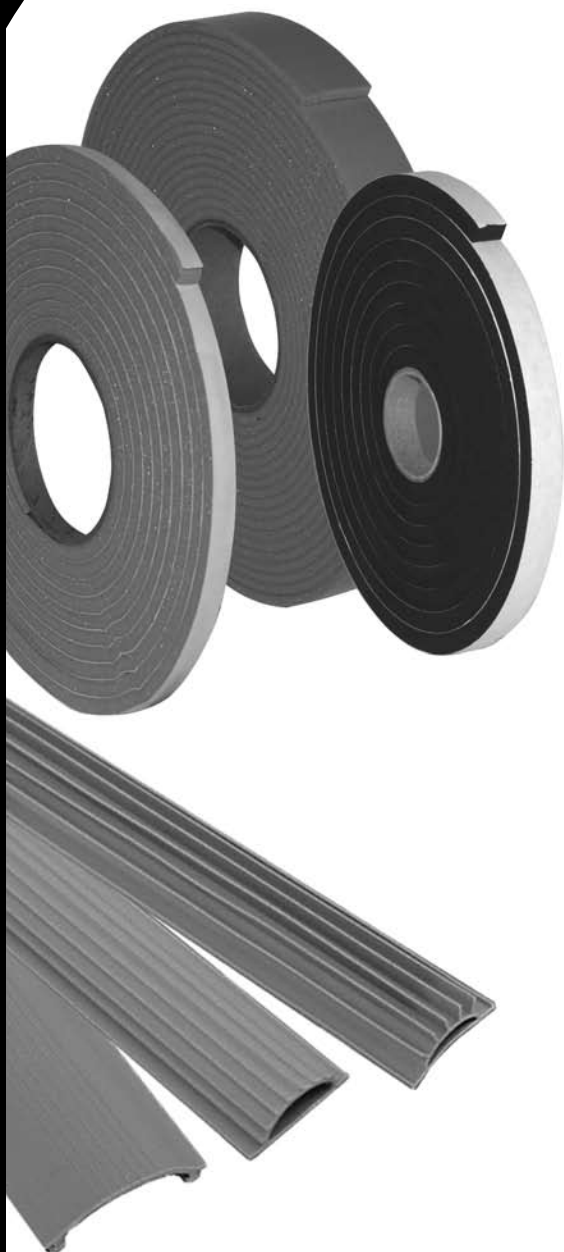
WEATHERIZATION PRODUCTS

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| Gaskets, Louver Strips and Threshold Vinyl | 156 |

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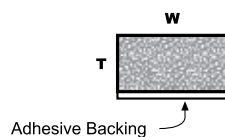


Foam and Neoprene Tape

Open Cell Polyurethane Foam Tape

- Easily compressible self-adhesive weatherstrip.

| Product # | Color | Thickness (T) | | Width (W) | | Length |
|-------------|----------|---------------|---|-----------|---|--------|
| P390 | Gray | 3/16" | x | 3/8" | x | 17' |
| P391 | White | 1/4" | x | 3/8" | x | 17' |
| P392 | Gray | 3/8" | x | 3/8" | x | 17' |
| P393 | Gray | 1/2" | x | 1/2" | x | 17' |
| P394 | Gray | 1/2" | x | 3/4" | x | 17' |
| P396 | Charcoal | 1/4" | x | 1/2" | x | 17' |
| P397 | White | 1/8" | x | 3/8" | x | 17' |
| P398 | Gray | 1/4" | x | 3/4" | x | 17' |



SUGGESTED INSTALLATION

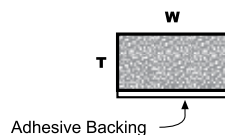


Open Cell Foam Tape installed on casement window.

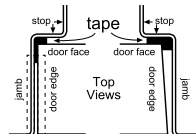
Closed Cell Soft PVC Foam Tape

- Flexible, conformable, and softly compressible self-adhesive weatherstrip.
- Highly resilient: Resists ultraviolet, oxygen and moisture degradation.
- Seals against air and water, around doors and windows.

| Product # | Color | Thickness (T) | | Width (W) | | Length |
|----------------|-------|---------------|---|-----------|---|--------|
| P240 | Gray | 1/8" | x | 1/4" | x | 17' |
| P241 | Gray | 3/16" | x | 3/8" | x | 17' |
| P241-30 | Gray | 3/16" | x | 3/8" | x | 30' |
| P242 | Gray | 1/4" | x | 3/8" | x | 17' |
| P243 | Gray | 3/8" | x | 3/8" | x | 17' |
| P244 | Gray | 3/8" | x | 3/4" | x | 17' |



SUGGESTED INSTALLATION

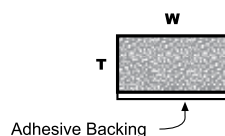


Top view of Closed Cell PVC Soft Foam Tape installed on door opening.

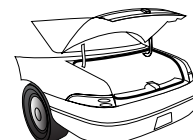
Closed Cell Firm PVC Foam Tape

- Moderately compressible self-adhesive weatherstrip.

| Product # | Color | Thickness (T) | | Width (W) | | Length |
|-------------|-------|---------------|---|-----------|---|--------|
| P260 | Black | 1/8" | x | 1/4" | x | 17' |
| P261 | Black | 3/16" | x | 3/8" | x | 17' |
| P262 | Black | 3/16" | x | 3/4" | x | 17' |
| P263 | Black | 5/16" | x | 3/8" | x | 10' |
| P264 | Black | 5/16" | x | 3/4" | x | 10' |
| P265 | Black | 7/16" | x | 3/8" | x | 10' |
| P266 | Black | 7/16" | x | 3/4" | x | 10' |
| P385 | Gray | 1/4" | x | 1/2" | x | 10' |
| P386 | Gray | 1/4" | x | 3/4" | x | 10' |



SUGGESTED INSTALLATION

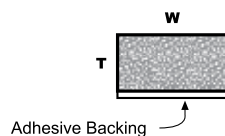


Closed Cell Firm Foam Tape installed as car trunk weatherstrip.

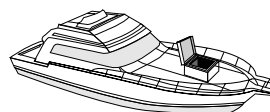
EPDM Sponge Neoprene Tape

- Slightly compressible self-adhesive weatherstrip.
- Resists deterioration and remains flexible at sub-zero temperatures.
- Superior product for weatherstripping doors, windows, hatchways, lids and covers.

| Product # | Color | Thickness (T) | | Width (W) | | Length |
|-------------|-------|---------------|---|-----------|---|--------|
| P490 | Gray | 1/8" | x | 3/8" | x | 10' |
| P491 | Gray | 1/4" | x | 3/8" | x | 10' |
| P493 | Gray | 1/4" | x | 1/2" | x | 10' |
| P497 | Gray | 1/4" | x | 3/4" | x | 10' |



SUGGESTED INSTALLATION



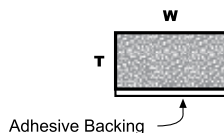
EPDM Sponge Neoprene Tape installed as boat hatch weatherstrip.

Foam, Neoprene and Vinyl Tape

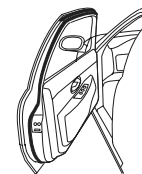
Closed Cell Sponge Neoprene Tape

- Superior product for weatherstripping homes, cars, trucks and boats.
- Slightly compressible self-adhesive weatherstrip.
- Remains flexible at high and low temperatures.
- Resists deterioration from oily substances.

| Product # | Color | Thickness (T) | | Width (W) | | Length |
|-------------|-------|---------------|---|-----------|---|--------|
| P380 | Black | 3/16" | x | 3/8" | x | 10' |
| P381 | Black | 5/16" | x | 3/8" | x | 10' |
| P384 | Black | 7/16" | x | 3/4" | x | 10' |
| P387 | Black | 3/16" | x | 3/4" | x | 10' |
| P388 | Black | 5/16" | x | 1/2" | x | 10' |
| P484 | Black | 7/16" | x | 3/8" | x | 10' |



SUGGESTED INSTALLATION

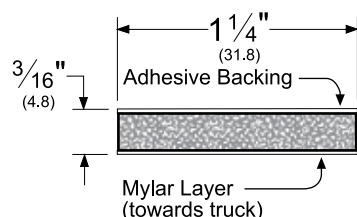


Closed Cell Sponge Neoprene Tape installed as car door weatherstrip.

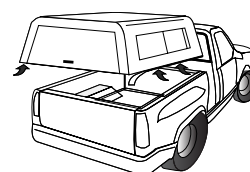
Closed Cell Sponge Vinyl Camper Tape

- Mylar-backed tape cushions between camper and truck.

| Product # | Color | Thickness (T) | | Width (W) | | Length |
|-------------|-------|---------------|---|-----------|---|--------|
| P480 | Gray | 3/16" | x | 1-1/4" | x | 30' |



SUGGESTED INSTALLATION

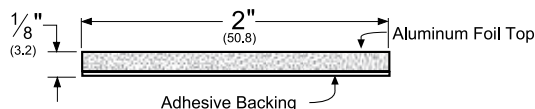


Sponge Vinyl Camper Tape installed as seal between camper and truck bed.

Closed Cell Foam Pipe Wrap Tape

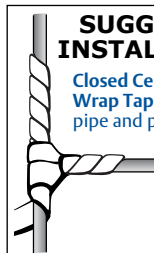
- Aluminum foil-backed tape reduces heat loss in water pipes; prevents condensation and helps reduce air loss in heater when used on joints.

| Product # | Color | Thickness (T) | | Width (W) | | Length |
|-------------|-------|---------------|---|-----------|---|--------|
| P485 | Gray | 1/8" | x | 2" | x | 15' |



SUGGESTED INSTALLATION

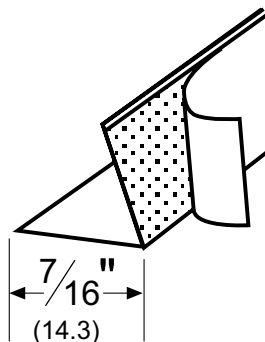
Closed Cell Foam Pipe Wrap Tape installed on pipe and pipe joint.



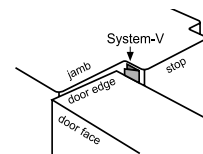
System-V Weatherstrip Tape

- Flexible, compressible weatherstrip seals against air, dust and sound.
- Easy installation; just fold, peel and stick.

| Product # | Color | Width | | Length |
|----------------|-------|-------|---|--------|
| P39C17 | Clear | 7/8" | x | 17' |
| P39C180 | Clear | 7/8" | x | 180' |



SUGGESTED INSTALLATION



System-V Weatherstrip Tape installed onto door jamb stop.

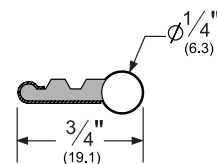
For more weatherstripping products (such as PK33, PK55 and S88) see pages AG-2 and AG-3 in the Self-Adhesive Gasketing Section.

Hemmed Vinyl and Garage Weatherstrip

Hemmed Vinyl Weatherstrip

| Product # | Material | Thickness | Width | Length |
|--------------|----------|-----------|-------|--------|
| 301AV | Vinyl | 1/8" | 3/4" | 17' |

- Vinyl (V) bulb weatherstrip, retained in flexible aluminum (A).
- Nail to door stops and window stops to block drafts and air infiltration. Nails included.
- Fills gaps up to 1/4".

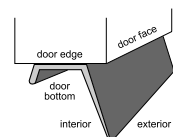


Garage Door Weatherstrip

- All garage door weatherstrips are furnished with roofing nails.

| Product # | Color | Height | Width | Length |
|----------------|-------|--------|-------|--------|
| P361V16 | Black | 1-1/2" | 1" | 16' |

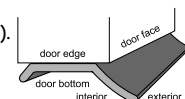
- Black vinyl (V) with two flanges.
- Nails to door edge, bottom or jamb, closing gaps up to 1-1/2".



P361V16

| Product # | Color | Thickness | Width | Length |
|----------------|-------|-----------|--------|--------|
| P364R16 | Black | 3/4" | 2-1/4" | 16' |

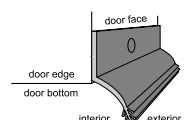
- Heavy-duty black sponge neoprene (R).
- Nails to door bottom, closing gaps up to 5/8".



P364R16

| Product # | Color | Thickness | Width | Length |
|----------------|-------|-----------|-------|--------|
| P365V16 | Black | 1-3/4" | 5/8" | 16' |

- Gray vinyl (V) with a curved flange.
- Nails to door edge, bottom or face, closing gaps up to 1-3/4".



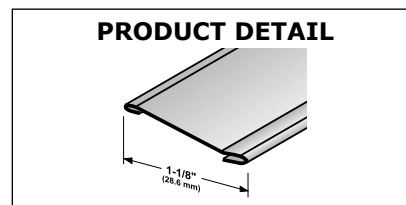
P365V16

Gaskets, Louver Strips, Threshold Vinyl

Spring Bronze Weatherstrip

| Product # | Material | Width | Length |
|---------------|----------|--------|--------|
| P51B17 | Bronze | 1-1/8" | 17' |

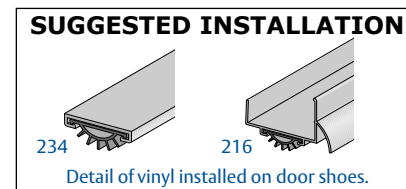
- For use on wood doors and wood casement windows.
- .008" hemmed spring bronze (brass).
- Packaged with nails. Nails should be approximately 1-1/2" on center.



Door Shoe Replacement Vinyl

- All door shoe replacement vinyl is supplied in 36" lengths.

| Product # | Color | Used In (Pemko Product Numbers): |
|-----------------|-------|---|
| PV9BL36 | Black | 210, 211, 215, 216, 217, 220, 221, 222, 234, 2211, 2221 |
| PV9GR36 | Gray | 210, 211, 215, 216, 217, 220, 221, 222, 234, 2211, 2221 |
| PV15GR36 | Gray | 209 |



Threshold Replacement Vinyl

- All threshold replacement vinyl is supplied in 36" lengths.

| Product # | Color | Used In (Pemko Product Numbers): |
|-----------------|-------|----------------------------------|
| PV11GR36 | Gray | 203, 204, 237 238 |
| PV13GR36 | Gray | 208 |
| PV22BL36 | Black | 206, 207 |
| PV22GR36 | Gray | 206, 207 |
| PV64GR36 | Gray | 249, 250 |
| PV83TN36 | Tan | 203OAK36, 204OAK36, 208OAK36 |



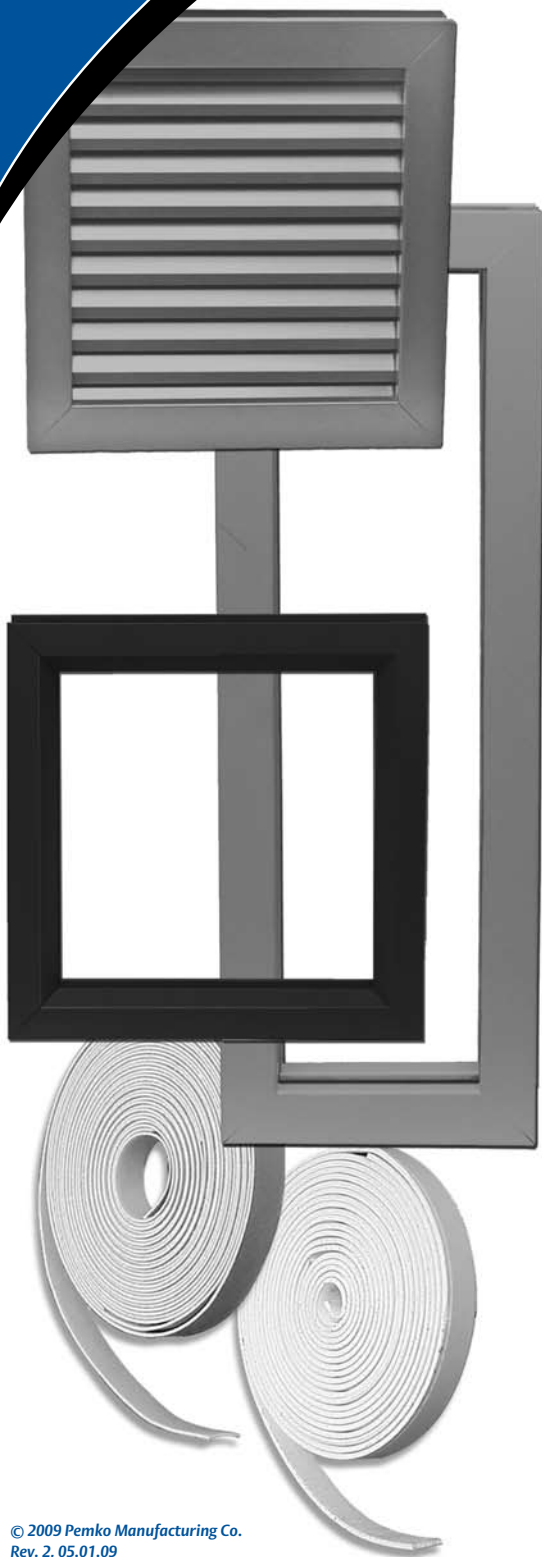
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| G-6 | 163 | LT-B2 | 160 | LV-IY | 164 |
| G-8 | 163 | LT-B3 | 160 | | |



Ordering Information

The following information is necessary for ordering (quantities are not included in product numbers):

| QUANTITY | SERIES | FINISH | SIZE |
|----------|--------|--------|--------|
| 10 | LT-B1 | B | 3 x 33 |

Example: LT-B1 | B | 10X10 (Shown as LT-B1_ in catalog)

| Profile #: | Finish: | Size/Length: |
|------------|---------|--------------------------------|
| LT-B1 | B | 10x10 = 10" width x 10" height |
| LV-FL | G | 18x18 = 18" width x 18" height |

Features/Finishes

- Pemko lites and louvers are finished with polyester resin powder coat in the following standard colors:
 - B - Beige
 - D - Dark Bronze Duranodic
 - G - Gray Primer
- Other colors are available. Sample chip required for color match.
- Pemko lites and louvers are made from A40 galvanized steel for additional corrosion protection.
- As with all other Pemko products, lites and louvers can be combined with thresholds, weatherstripping, continuous geared hinges and sliding/folding hardware for free freight allowance.

Options

- Security Fasteners
- Security Grilles
- 304 Stainless Steel with #4 finish

Warranty

Pemko products are guaranteed for five (5) years against defects in material or workmanship. Pemko will not be liable for defects or damages arising from improper installation, product modification, incorrect application or storage of product. Written notice of damages must occur within the warranty period. Liability shall be limited to the replacement of product or component determined to be defective and shall not include costs arising from removal or reinstallation of product. Cost of replacement shall not exceed original purchase price. No other claims will be allowed. In no event shall liability be extended to include punitive, incidental or consequential damages arising from use of Pemko products. This is the sole warranty given by Pemko Manufacturing. No other warranty implied or expressed shall be allowed.

Low Profile - Beveled Lite Kit

- The LT-B1 Lite Kit provides a wide viewing angle. For use with glazing material requiring a 3/8" pocket in 1-3/4" wood or metal doors. The LT-B1 installs without drilling holes through the door for quick installation. The hemmed design is a flush mounted assembly and is ideal for clean environments.

LT-B1

AVAILABLE FINISHES:
B, D, G

STANDARD FEATURES:

Materials:

- 20 gauge galvanized hemmed design with 3/8" glazing pocket.

Fasteners:

- #8 x 1-3/4" O.H.S.M.S.

Dimensions:

- Minimum width - 2" exposed glass
- Maximum height - 69" exposed glass

Other:

- Mitered and welded clean corner construction.
- 37 degree beveled glass stops.

Fire Rating:

- Classified in accordance with UBC code standard 7-2 for positive pressure.



OPTIONAL FEATURES:

Finish:

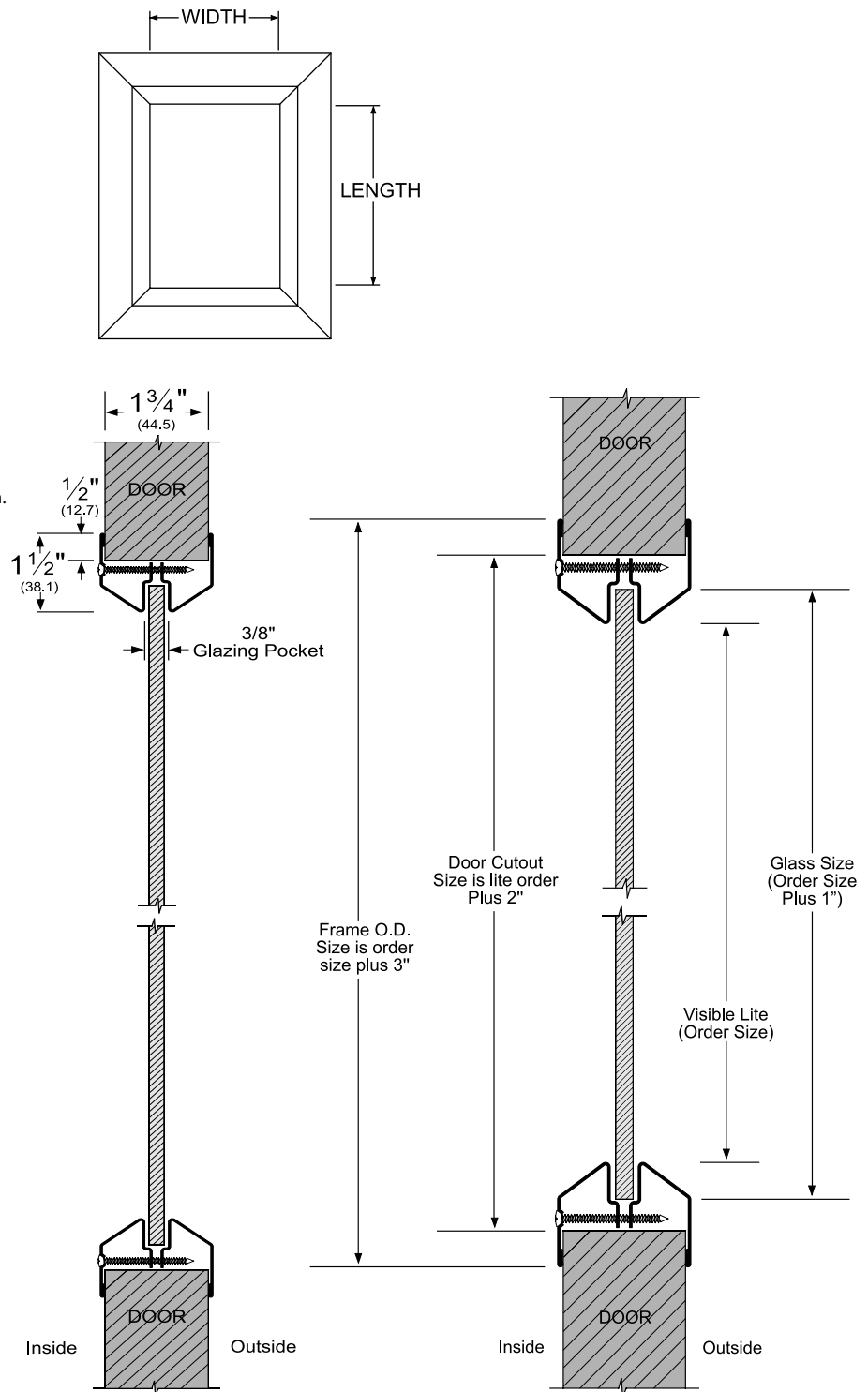
- Custom powder coated finishes (sample chip must accompany order).

Fasteners:

- Security fasteners.

Other:

- Security grills.
- Glazing tape.
- Custom glass sizes.



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

B (Beige Powder Coat) • D (Dark Bronze Duranodic Powder Coat) • G (Gray Primer Powder Coat)

Low Profile - Beveled Lite Kit (Cont.)

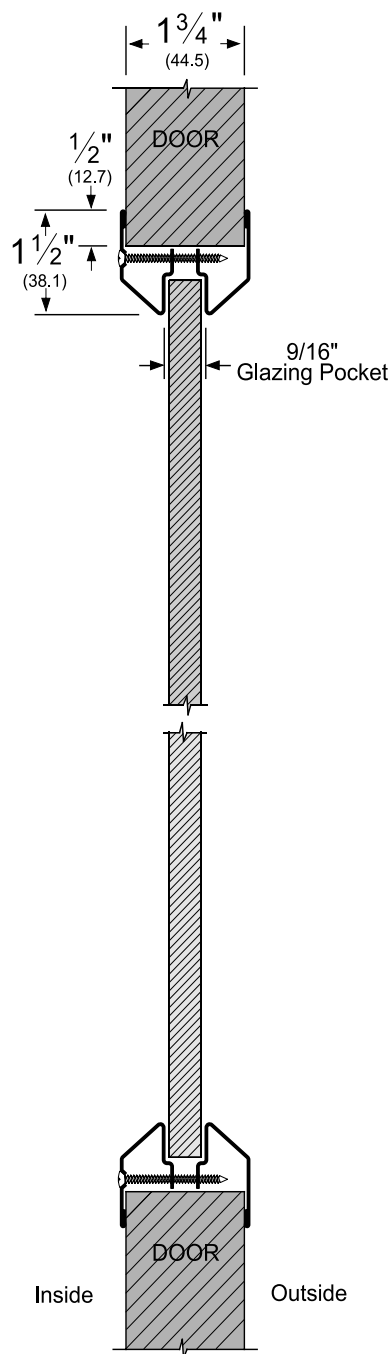
LT-B2_

AVAILABLE FINISHES:
B, D, G

STANDARD FEATURES:

Materials:

- 20 gauge galvanized hemless design with 9/16" glazing pocket



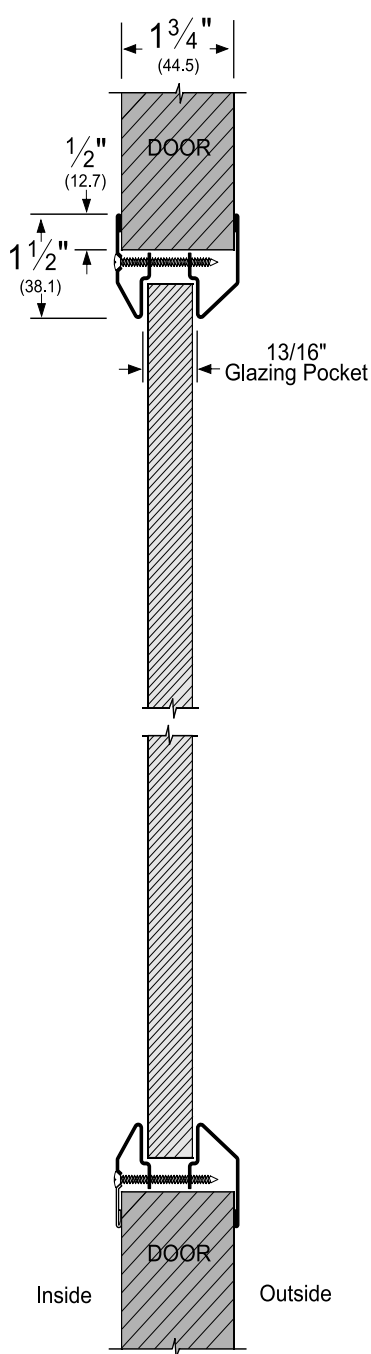
LT-B3_

AVAILABLE FINISHES:
B, D, G

STANDARD FEATURES:

Materials:

- 20 gauge galvanized hemless design with 13/16" glazing pocket



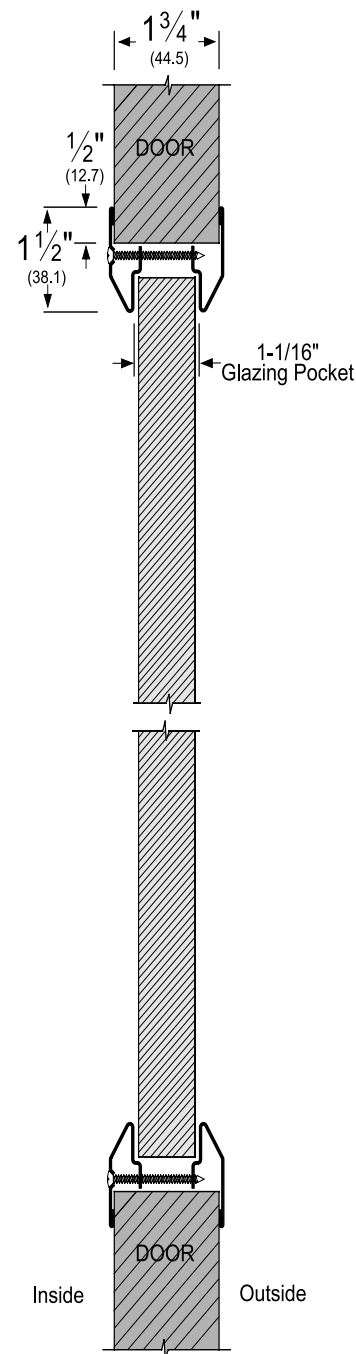
LT-B4_

AVAILABLE FINISHES:
B, D, G

STANDARD FEATURES:

Materials:

- 20 gauge galvanized hemless design with 1-1/16" glazing pocket



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

B (Beige Powder Coat) • D (Dark Bronze Duranodic Powder Coat) • G (Gray Primer Powder Coat)

Low Profile - 90° Lite Kit

- The LT-S1 Lite Kit provides a wide viewing angle. For use with glazing material requiring a 3/8" pocket in 1-3/4" wood or metal doors. The LT-S1 installs without drilling holes through the door for quick installation. The hemless design is a flush mounted assembly and is ideal for clean environments.

LT-S1

AVAILABLE FINISHES:
B, D, G

STANDARD FEATURES:

Materials:

- 20 gauge galvanized steel for width 3/8" glazing pocket.

Fasteners:

- #8 x 1-3/4" O.H.S.M.S.

Dimensions:

- Minimum width - 2" exposed glass
- Maximum height - 69" exposed glass

Other:

- Mitered and welded clean corner construction.
- 90 degree square glass stop.

Fire Rating:

- Classified in accordance with UBC code standard 7-2 for positive pressure.



OPTIONAL FEATURES:

Materials:

- 304 - #4 stainless steel in 20 gauge material.

Finish:

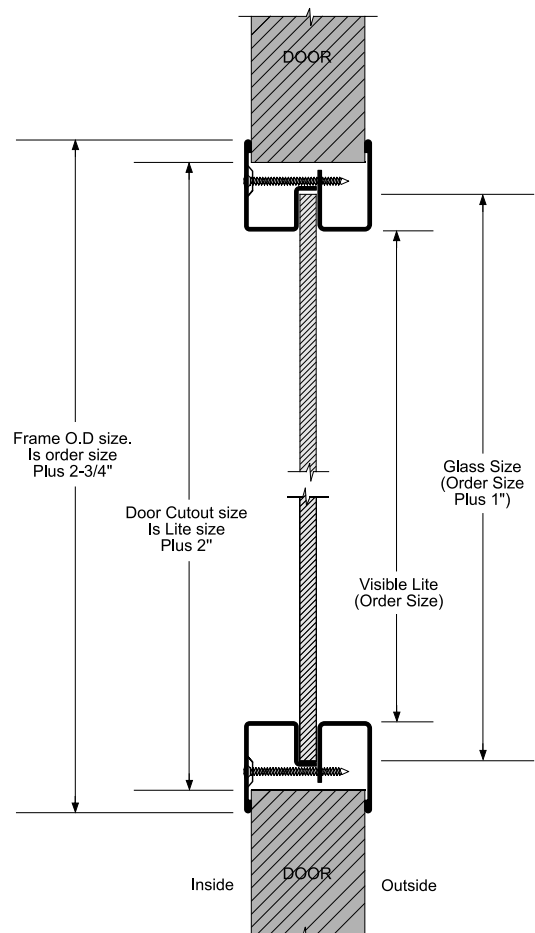
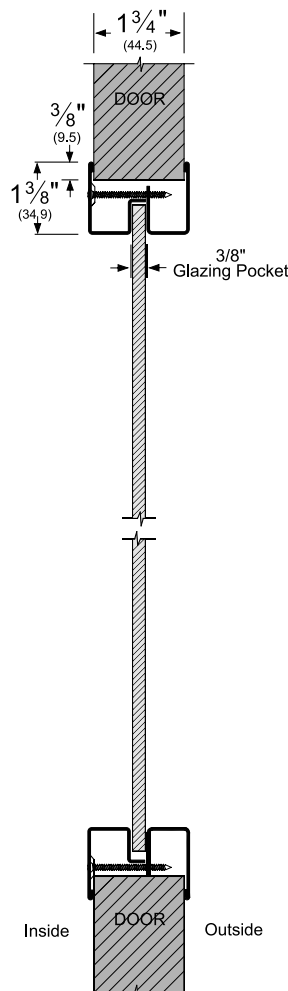
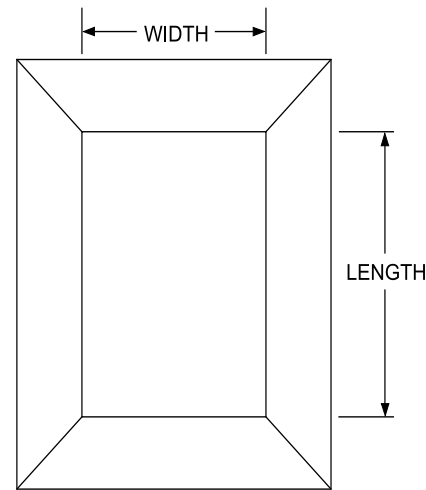
- Custom powder coated finishes (sample chip must accompany order).

Fasteners:

- Security fasteners.

Other:

- Security grills.
- Glazing tape.
- Custom glass sizes.



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

B (Beige Powder Coat) • D (Dark Bronze Duranodic Powder Coat) • G (Gray Primer Powder Coat)

Low Profile - 90° Lite Kit (Cont.)

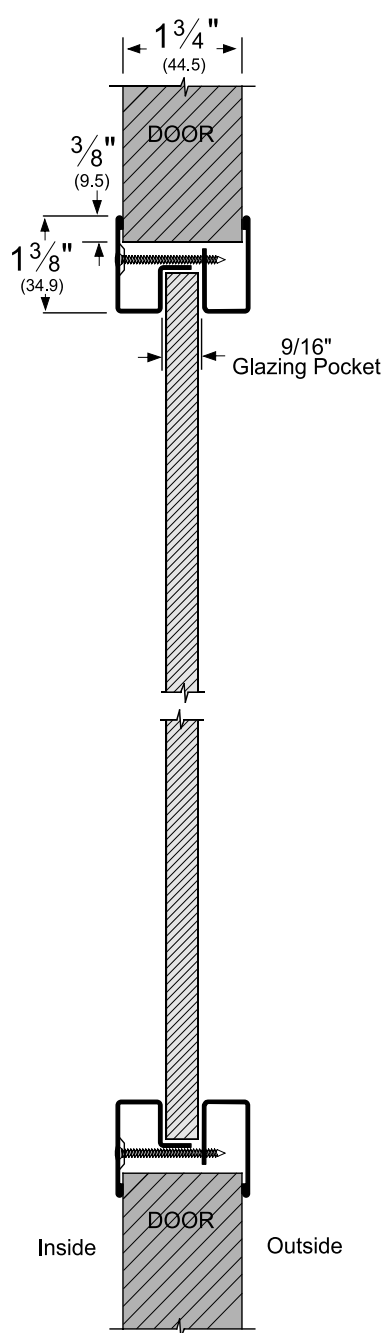
LT-S2_

AVAILABLE FINISHES:
B, D, G

STANDARD FEATURES:

Materials:

- 20 gauge galvanized steel with 9/16" glazing pocket



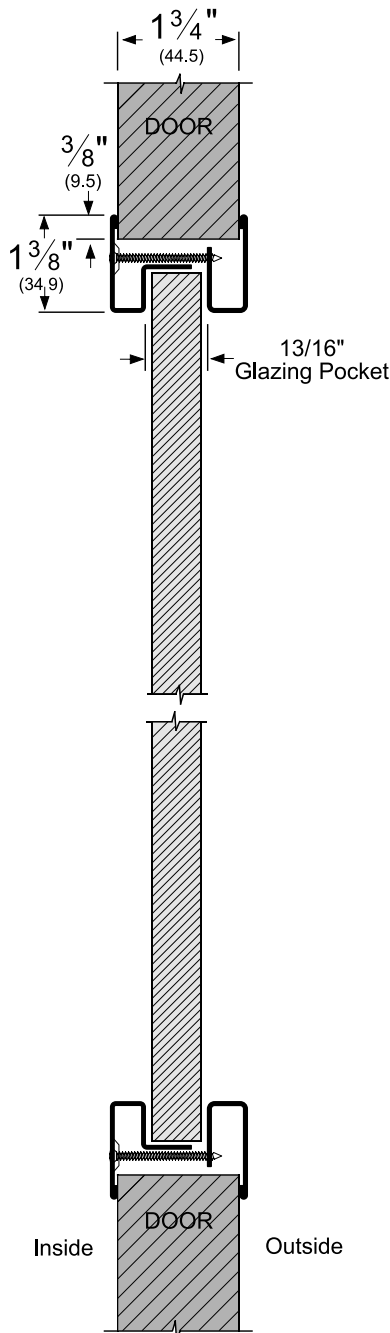
LT-S3_

AVAILABLE FINISHES:
B, D, G

STANDARD FEATURES:

Materials:

- 20 gauge galvanized steel with 13/16" glazing pocket



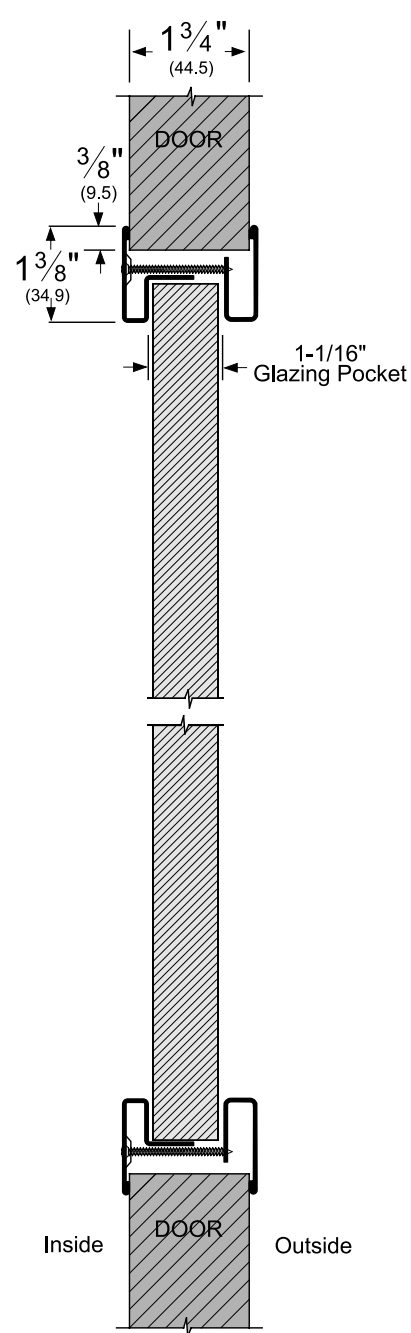
LT-S4_

AVAILABLE FINISHES:
B, D, G

STANDARD FEATURES:

Materials:

- 20 gauge galvanized steel with 1-1/16" glazing pocket



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

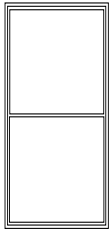
B (Beige Powder Coat) • D (Dark Bronze Duranodic Powder Coat) • G (Gray Primer Powder Coat)

Grills/Vision Lites For LT-S1 through LT-S4 Lites

- These products are for the LT-S_ series only.

G-2

AVAILABLE FINISHES:
B, D, G



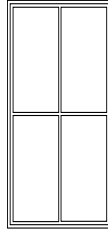
G-3

AVAILABLE FINISHES:
B, D, G



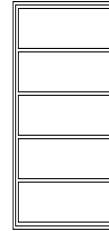
G-4

AVAILABLE FINISHES:
B, D, G



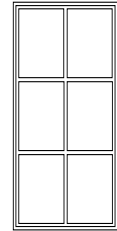
G-5

AVAILABLE FINISHES:
B, D, G



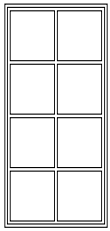
G-6

AVAILABLE FINISHES:
B, D, G



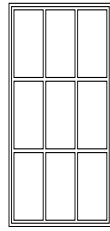
G-8

AVAILABLE FINISHES:
B, D, G



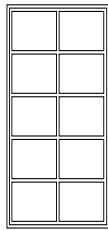
G-9

AVAILABLE FINISHES:
B, D, G



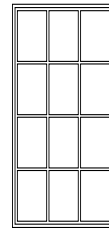
G-10

AVAILABLE FINISHES:
B, D, G



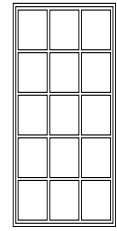
G-12

AVAILABLE FINISHES:
B, D, G



G-15

AVAILABLE FINISHES:
B, D, G



STANDARD FEATURES:

Materials:

- Vision Lites: 20 gauge galvanized steel.
- Muntins: 18 gauge C.R.S. 1/2" x 1/2" steel tube.

Door Thickness:

- For 1-3/4" doors only.

OPTIONAL FEATURES:

Finish:

- Custom powder coated finishes (sample chip must accompany order).

Fasteners:

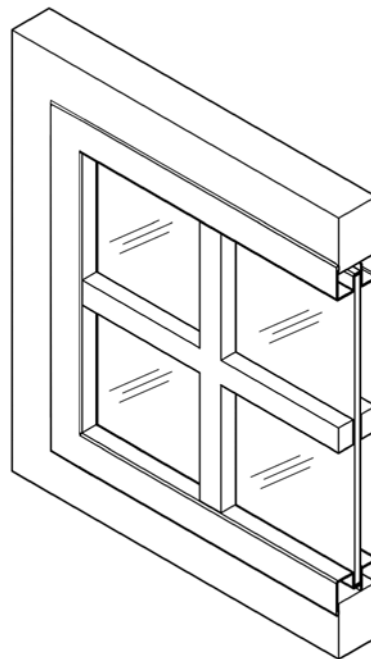
- Special security screws available.

Other:

- Customized grill patterns.

VISION LITES:

- Only for use in LT-S1 to LT-S4 ("S" Series).

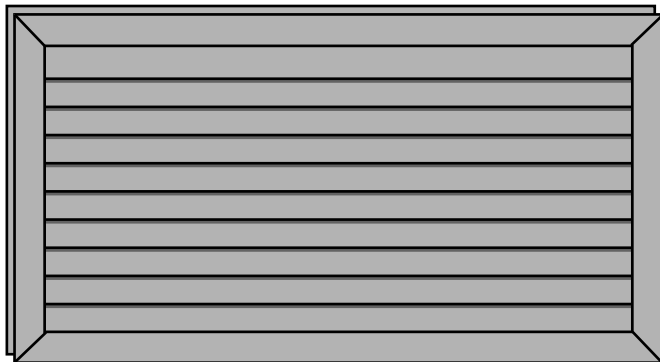


▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

B (Beige Powder Coat) • D (Dark Bronze Duranodic Powder Coat) • G (Gray Primer Powder Coat)

Inverted "Y" Louver

- The LV-IY louver for 1-3/4" wood or metal doors provides 50% free air flow. The 20 gauge inverted "Y" blades add stiffness and a burr-free exposed edge. The 18 gauge galvanized mitered frame secures the grill assembly in place giving it a clean appearance.



LV-IY_

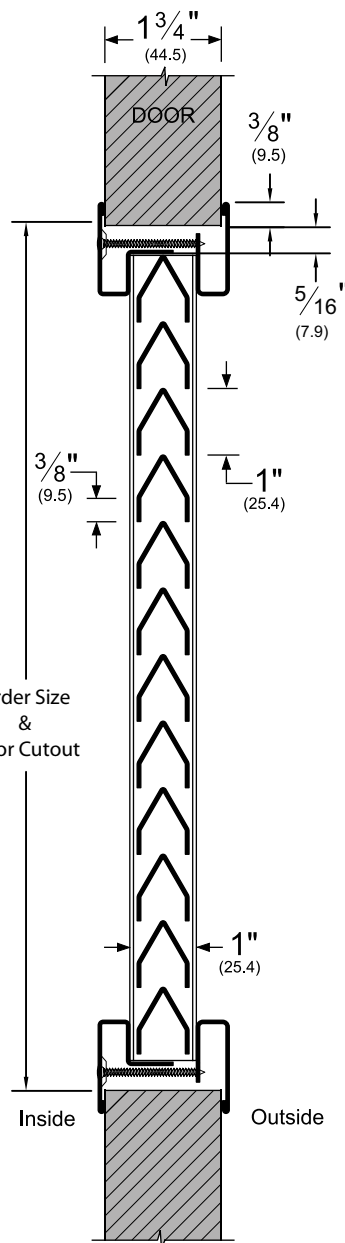
AVAILABLE FINISHES:
B, D, G

STANDARD FEATURES:

- 20 gauge galvanized frame.
- 20 gauge galvanized inverted Y" blades.
- For 1-3/4" doors.
- Free air flow 50%.
- #8 - 15" x 1-1/2 O.H.S.M.S.
- Welded corner construction.

OPTIONAL FEATURES:

- 304 - #4 stainless steel.
- Louver core only.
- Thru bolts.
- Security screws.
- Security grills.
- Insect screens.
- Custom powder coated finishes (sample chip must accompany order).

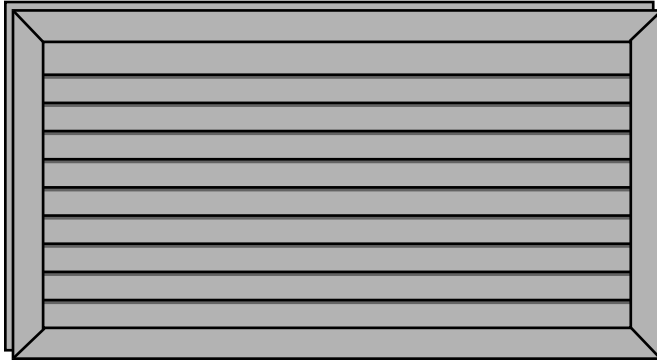


▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

B (Beige Powder Coat) • D (Dark Bronze Duranodic Powder Coat) • G (Gray Primer Powder Coat)

Fusible Link Louver

- The LV-FL louver for 1-3/4" wood or metal doors provides 50% free air flow while fastening to one side to ensure security.



LV-FL

AVAILABLE FINISHES:
B, D, G

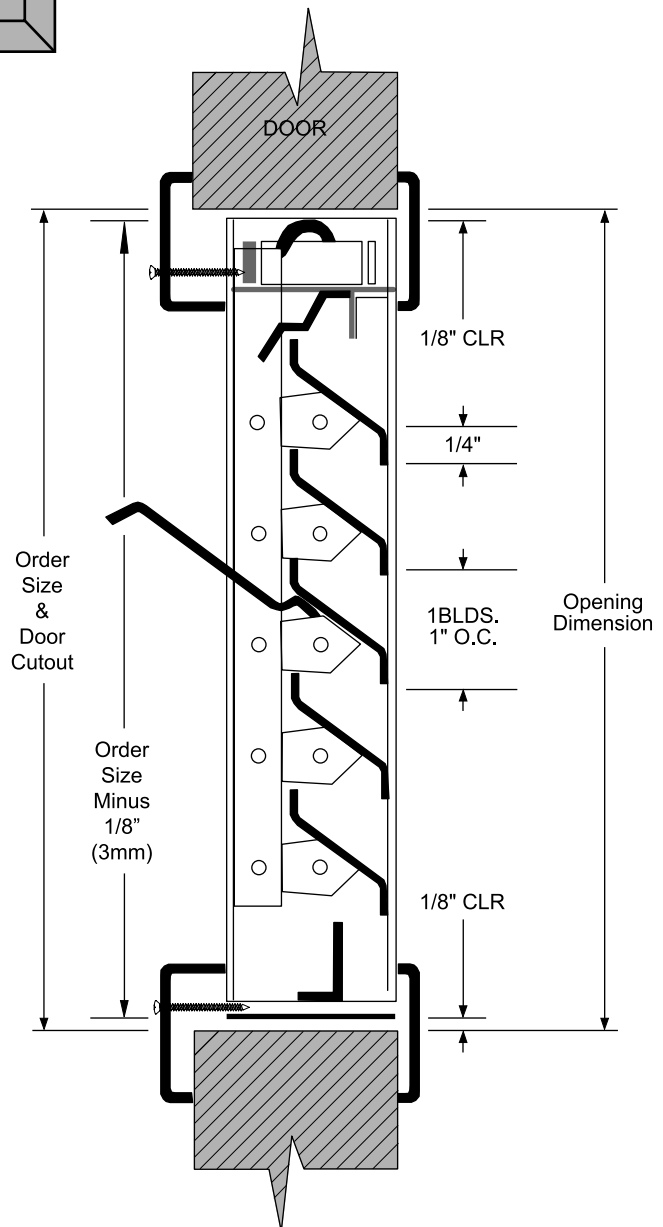
STANDARD FEATURES:

- 18 gauge galvanized frame.
- 16 gauge adjustable "Z" blades.
- For 1-3/4" doors.
- Free air flow 50%.
- #8 -15-1" O.H.S.M.S.
- UL listed.



OPTIONAL FEATURES:

- Security screws.
- Custom powder coated finishes (sample chip must accompany order).



▲ AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)

B (Beige Powder Coat) • D (Dark Bronze Duranodic Powder Coat) • G (Gray Primer Powder Coat)

■ Fire Glazing Tape

- Verify all applications with your door and/or frame manufacturer.
- **FG33000S45** and **FG3000S90** are specially formulated high-performance fire glazing tapes.
- For exterior fire-rated applications, seal against moisture using standard industry methods.

FG3000S45



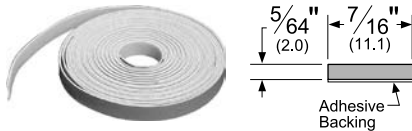
AVAILABLE LENGTHS: 7', 8', 14', 16'

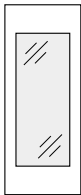
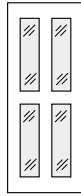


FG3000S90



AVAILABLE LENGTHS: 8', 16'



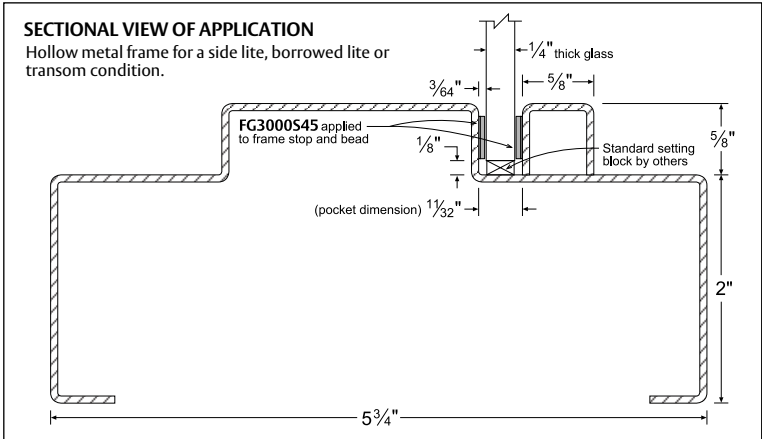
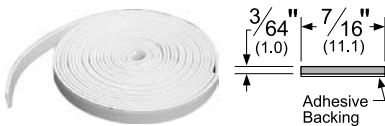
| Fire Glazing Tape in Larger Lite Applications | | |
|--|--|---|
|  <p>SINGLE VISION LITES (WOOD/HOLLOW METAL DOOR)</p> | <p>MAXIMUM HEIGHT: 84"</p> <p>MAXIMUM WIDTH: 34"</p> <p>MAXIMUM TOTAL SQUARE INCHES (VISIBLE GLASS AREA): 2,856</p> | <ul style="list-style-type: none">• In 20-, 45-, 60- and 90-minute rated wood and hollow metal doors with metal vision frames, the use of FG3000 fire glazing tape allows for much larger vision lites.• In 20- and 45-minute rated hollow metal screens, the use of FG3000 fire glazing tape allows for much larger side lites, borrowed lites and glass transoms.• New allowable visible glass areas for vision lites in 20- and 45-minute rated wood and hollow metal doors with FG3000S45 is 2856 square inches with a maximum height of 84" and a maximum width of 34". |
|  <p>MULTIPLE VISION LITES (HOLLOW METAL DOOR)</p> | <p>MAXIMUM HEIGHT (EACH LITE): 12"</p> <p>MAXIMUM WIDTH (EACH LITE): 46"</p> <p>MAXIMUM COMBINED SQUARE INCHES (ALL VISIBLE GLASS AREAS): 2,208</p> | <ul style="list-style-type: none">• For 90-minute hollow metal doors with FG3000 fire glazing tape, 12" x 46" vision lites are allowed, but the total number of lites must not exceed four (4) per door. The combined total visible glass area allowed is 2208 square inches. |

■ **FG3000S45 Fire Glazing Tape in 20- and 45-Minute Hollow Metal Frame (Screen) — Sidelite/Borrowed Lite/Transom Lite Applications**

- Verify all applications with your door and/or frame manufacturer.
- For exterior fire-rated applications, a clear silicone caulk is recommended for water proofing.

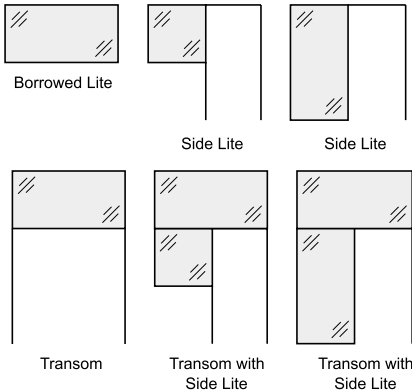
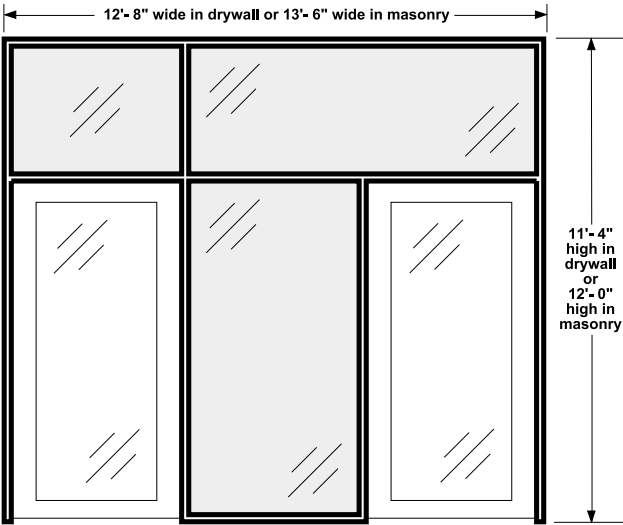
FG3000S45 

AVAILABLE LENGTHS: 7', 8', 14', 16'



TECHNICAL DATA FOR 20- AND 45-MINUTE HOLLOW METAL SCREENS EQUIPPED WITH FG3000S45 (SIDELITE / BORROWED LITE / TRANSOM LITE APPLICATIONS)

LITE CONFIGURATIONS

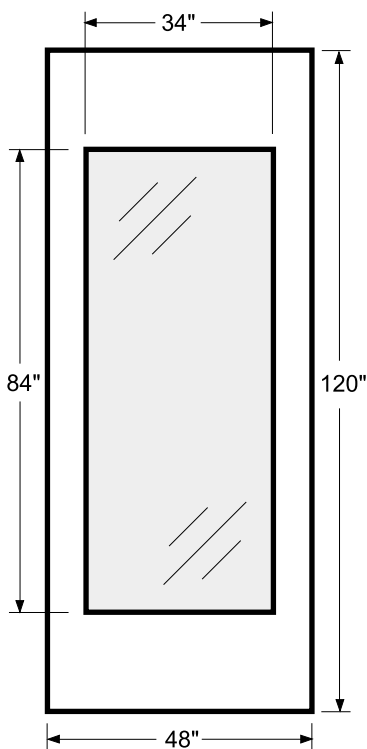


The maximum visible glass area allowed for side lites, borrowed lites, and glass transoms is 4,704 square inches with a maximum length of 106" in any one direction.

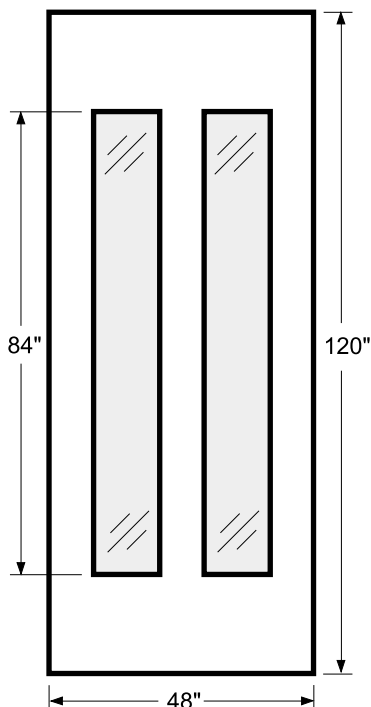
| Lite Specifications | Hollow Metal Screen Specifications | Listing/Labeling Specifications |
|---|---|--|
| <p>MAXIMUM LITE SIZE: 106" In Any One Direction</p> <p>MAXIMUM LITE COMBINED SQUARE INCHES: Not To Exceed 4,704</p> | <p>MAXIMUM DIMENSIONS (Drywall): 12'8" x 11'4"</p> <p>MAXIMUM DIMENSIONS (Masonry): 13'6" x 12'0"</p> <p>METAL REQUIREMENTS: Frames are restricted to a minimum of 16-gauge with 5/8" high stops and 18-gauge glazing beads with #8 fasteners at 9" maximum centers.</p> | <ul style="list-style-type: none">• Door and frame must be manufactured by companies that are classified by Underwriters Laboratories Inc.® for the manufacturing and labeling of hollow metal fire doors. Warnock Hersey (I.T.S.) listings are also available through participating hollow metal manufacturers.• Listed Glazing Products include:<ul style="list-style-type: none">• Wire Glazing: Pilkington, Asahi and Central Glass• All vision lite kits must be listed fire door glass frames, packaged with FG3000S45 or FG3000S90.• Individual door and frame manufacturers' modification procedures may vary slightly from the size listings shown. |

FG3000S45 Fire Glazing Tape in 20- and 45-Minute Hollow Metal Door — Metal Vision Frame Applications

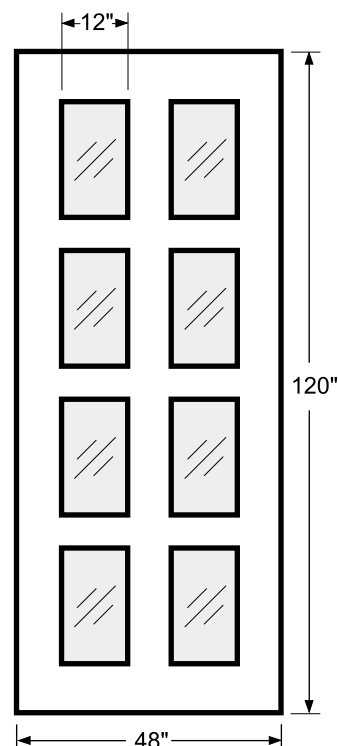
- Maximum hollow metal door size: 48" x 120" single, pairs approved.
- Door and frame must be manufactured by companies that are classified by Underwriters Laboratories Inc.® for the manufacturing and labeling of hollow metal fire doors and frames. Warnock-Hersey (I.T.S.) listings are also available through participating hollow metal manufacturers.
- For exterior fire rated applications, seal against moisture using standard industry methods.
- Verify all applications with your door and/or frame manufacturer.



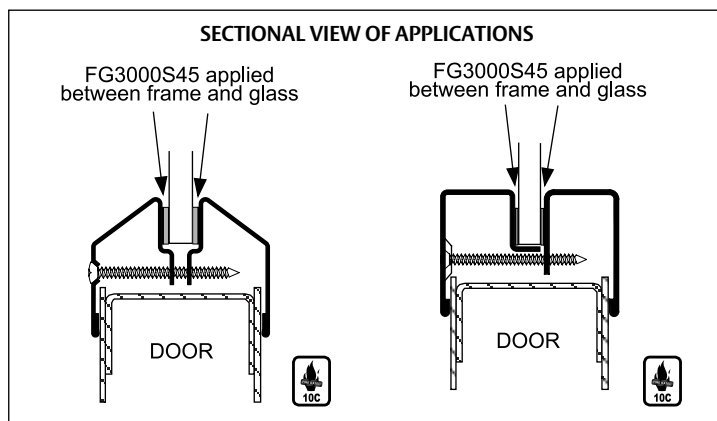
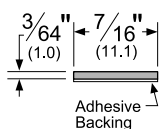
- For 20 minute and 45 minute the maximum visible glass size allowed is 34" wide x 84" high or 2856 square inches per vision lite.



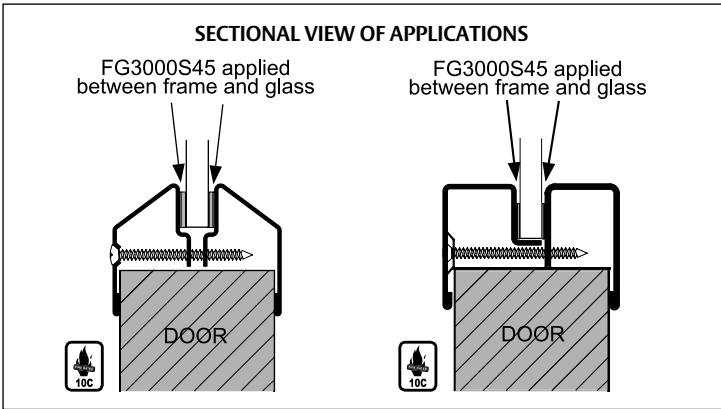
- Multiple vision lites are allowed in both the 20 minute and 45 minute, but the combined total visible glass area allowed is 2856 square inches per door.

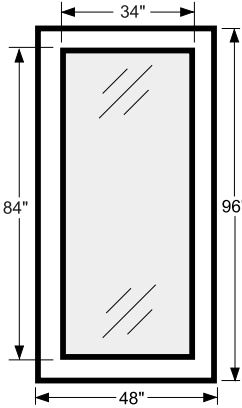
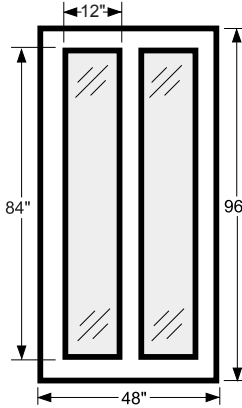


FG3000S45



FG3000S45 Fire Glazing Tape in 20- and 45-Minute Wood Door — Metal Vision Frame Applications



| TECHNICAL DATA FOR 20- AND 45-MINUTE WOOD DOORS EQUIPPED WITH FG3000S45 (METAL VISION FRAME, SINGLE AND MULTIPLE LITE APPLICATIONS) | | |
|---|---|--|
| LITE CONFIGURATIONS | | |
| <div><p>Single Vision Lite</p></div> <div><p>Multiple Vision Lites</p></div> | | |
| The maximum visible glass area allowed for single lites is 34" wide x 84" high; for single and multiple lites, the total visible glass area allowed is 2,856 square inches per door. | | |
| Lite Specifications | Door Specifications | Listing/Labeling Specifications |
| <p>MAXIMUM DIMENSIONS (Single Lite): 34" wide x 84" high, 2,856 square inches per lite</p> <p>MAXIMUM COMBINED DIMENSIONS (Multiple Lites): Multiple vision lites are allowed in both the 20- and 45-minute doors, but the combined total visible glass area allowed is 2,856 square inches per door.</p> | <p>MAXIMUM DIMENSIONS: For both 20-minute and 45-minute doors, the maximum wood door size is 48" x 96" single, pairs approved.</p> | <ul style="list-style-type: none">Door and frame must be manufactured by companies that are classified by Underwriters Laboratories Inc.® for the manufacturing and labeling of hollow metal fire doors. Warnock Hersey (I.T.S.) listings are also available through participating hollow metal manufacturers.Listed Glazing Products include:<ul style="list-style-type: none">Wire Glazing: Pilkington, Asahi and Central GlassIndividual door and frame manufacturers' modification procedures may vary slightly from the size listings shown. |

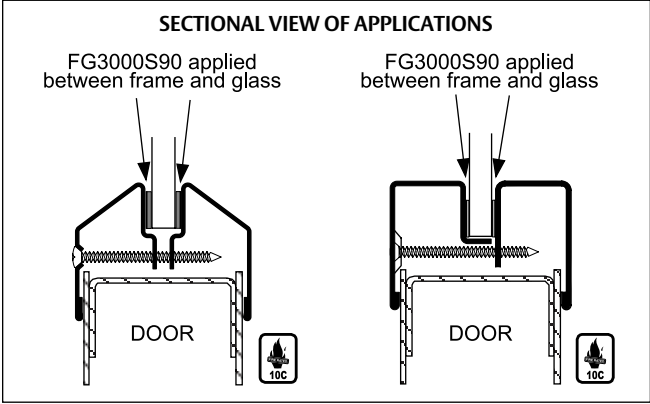
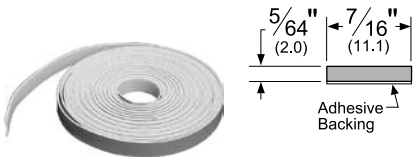
FG3000S90 Fire Glazing Tape in 90-Minute Hollow Metal Door – Metal Vision Frame Applications

- Verify all applications with your door and/or frame manufacturer.
- For exterior fire-rated applications, seal against moisture using industry standard methods.

FG3000S90

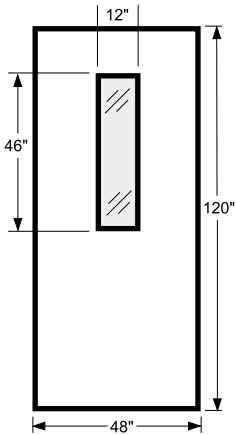


AVAILABLE LENGTHS: 8', 16'

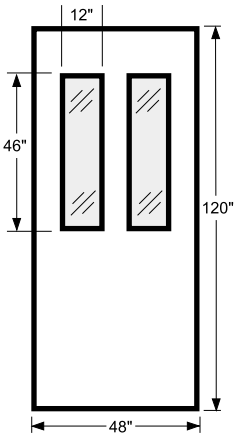


TECHNICAL DATA FOR 90-MINUTE HOLLOW METAL DOORS EQUIPPED WITH FG3000S90 (METAL VISION FRAME, SINGLE AND MULTIPLE LITE APPLICATIONS)

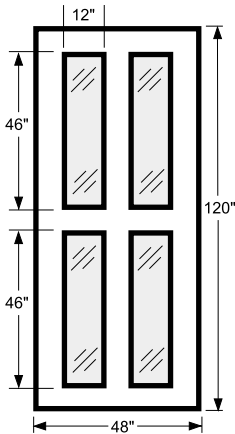
LITE CONFIGURATIONS



Single Vision Lite



Multiple Vision Lites



Multiple Vision Lites

The maximum visible glass area allowed for single lites is 12" wide x 46" high or 552 square inches per vision lite; for multiple lites, the largest approved door configuration is two (2) vision lites at 12" wide x 46" high above two (2) vision lites at 12" wide x 46" high (as shown at far right). No more than four (4) lites are allowed per door, and the combined total visible glass area allowed is 2,208 square inches per door.

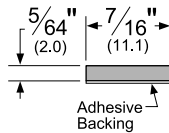
| Lite Specifications | Door Specifications | Listing/Labeling Specifications |
|---|---|--|
| <p>MAXIMUM DIMENSIONS (Single Lite): 12" wide x 46" high, 552 square inches per lite</p> <p>MAXIMUM COMBINED DIMENSIONS (Multiple Lites): Multiple vision lites are allowed in 90-minute doors, but the combined total visible glass area allowed is 2,208 square inches per door. No more than four (4) lites are allowed per door. The largest approved configuration is two (2) vision lites at 12" wide x 46" high above two vision lites at 12" wide x 46" high.</p> | <p>MAXIMUM DIMENSIONS: For 90-minute doors, the maximum hollow metal door size is 48" x 120" single, pairs approved.</p> | <ul style="list-style-type: none">• Door and frame must be manufactured by companies that are classified by Underwriters Laboratories Inc.® for the manufacturing and labeling of hollow metal fire doors. Warnock Hersey (I.T.S.) listings are also available through participating hollow metal manufacturers.• Listed Glazing Products include:<ul style="list-style-type: none">• Wire Glazing: Pilkington, Asahi and Central Glass• Individual door and frame manufacturers' modification procedures may vary slightly from the size listings shown. |

FG3000S90 Fire Glazing Tape in 60- and 90-Minute Wood Doors — Metal Vision Frame Applications

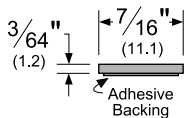
- Verify all applications with your door and/or frame manufacturer.
- For exterior fire-rated applications, a clear silicone caulk is recommended for water proofing.

FG3000S90

AVAILABLE LENGTHS: 8', 16'

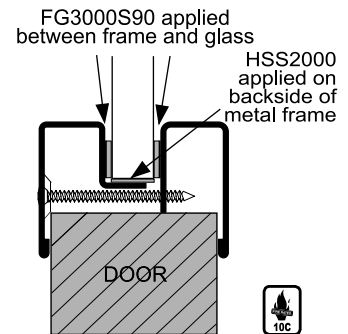


HSS2000



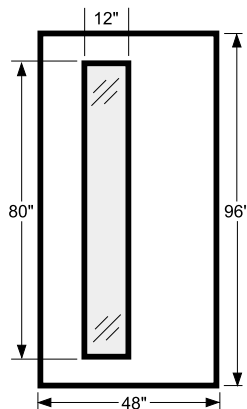
HSS2000 is required to be installed with FG3000S90 for positive pressure applications only. For more information about HSS2000, please see the Adhesive Gasketing section.

SECTIONAL VIEW OF APPLICATIONS

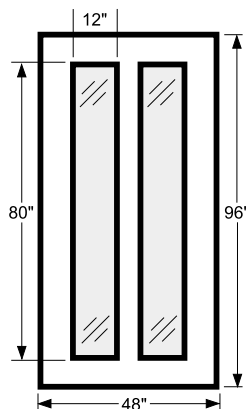


TECHNICAL DATA FOR 60- AND 90-MINUTE WOOD DOORS EQUIPPED WITH FG3000S90 & HSS2000 (METAL VISION FRAME, SINGLE AND MULTIPLE LITE APPLICATIONS)

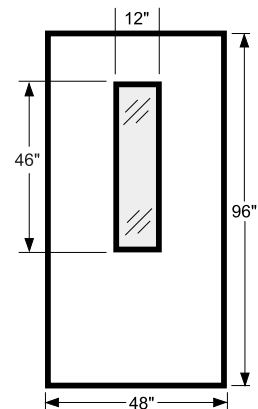
LITE CONFIGURATIONS



Single Vision Lite, 60-Minute Door



Multiple Vision Lites, 60-Minute Door



Single Vision Lite, 90-Minute Door

The maximum visible glass area allowed for 60-minute single lites is 12" wide x 80" high or 960 square inches per vision lite; 90-minute doors are allowed a maximum visible glass area of 12" wide x 46" high or 552 square inches per vision lite. Multiple lites (allowed on 60-minute doors only) have a maximum combined visible glass area of 1,920 square inches per door.

| Lite Specifications | Door Specifications | Listing/Labeling Specifications |
|---|---|--|
| MAXIMUM DIMENSIONS (Single Lite, 60-Minute): 12" wide x 80" high; 960 square inches per lite MAXIMUM DIMENSIONS (Single Lite, 90-Minute): 12" wide x 46" high; 552 square inches per lite MAXIMUM COMBINED DIMENSIONS (Multiple Lites, 60-Minute): Multiple vision lites are allowed in 60-minute doors only; the combined total visible glass area allowed is 1,920 square inches per door. | MAXIMUM DIMENSIONS: For both 60-minute and 90-minute doors, the maximum wood door size is 48" x 96" single, pairs approved. | <ul style="list-style-type: none"> • Door must be manufactured by companies that are classified by Underwriters Laboratories Inc.® for the manufacturing and labeling of hollow metal fire doors. Warnock Hersey (I.T.S.) listings are also available through participating hollow metal manufacturers. • Listed Glazing Products include: <ul style="list-style-type: none"> • Wire Glazing: Pilkington, Asahi and Central Glass • Individual door and frame manufacturers' modification procedures may vary slightly from the size listings shown. • HSS2000 is required on Positive Pressure applications only. |

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DOOR & FRAME ACCESSORIES

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DOOR & FRAME ACCESSORIES

■ Anchors

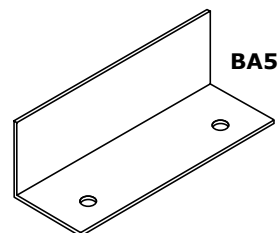
Base Anchors (Weld-in Type)

- Holes in one side for anchoring 1-5/8" x 1-5/8".
- .065 - 16 gauge galvanized steel.
- Sold in 50 packs only.

BA5-50PK • Base anchor, for 4-3/4" and 5-3/4" masonry frames.

BA6-50PK • Base anchor, for 6-3/4" and 7-3/4" masonry frames.

BA8-50PK • Base anchor, for 8-3/4" masonry frames.

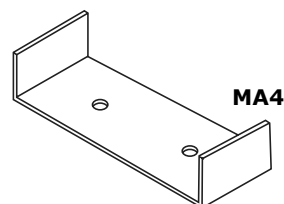


Mullion Base Anchors

- For 2" face frames. Two (2) holes for anchoring.
- .083 - 14 gauge galvanized steel.
- Sold in 25 packs only.

MA4-25PK • Mullion base anchor, 4-3/4" length.

MA5-25PK • Mullion base anchor, 5-3/4" length.

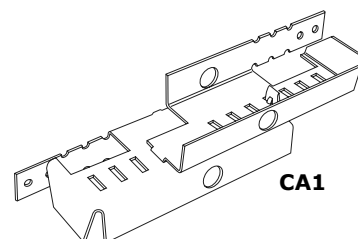


Combination Stud Anchors

- Adjustable - saves time and easy to install for a wider range of frames.
- 18 gauge electro zinc finish.
- Two (2) pieces per anchor (1 set).
- Sold in 50 packs only.

CA1-50PK • Adjustable stud anchor, 4-3/4" and 5-3/4", for 4" to 5" masonry frames.

CA2-50PK • Adjustable stud anchor, 6-3/4" to 8-3/4", for 6" to 8-3/4" masonry frames.



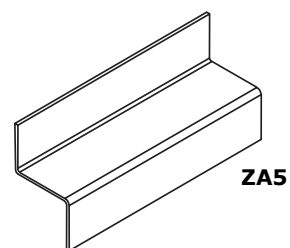
Z Anchors (Weld-in Type)

- For stud walls built inside of frame jambs.
- .049 - 18 gauge galvanized steel.
- Sold in 100 packs only.

ZA5-100PK • Weld-in Z anchor, for 4-3/4" to 5-3/4" masonry frames.

ZA6-100PK • Weld-in Z anchor, for 6-3/4" to 7-3/4" masonry frames.

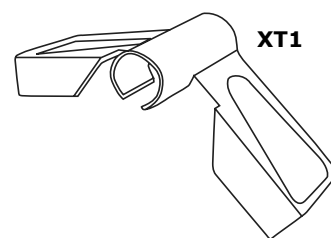
ZA8-100PK • Weld-in Z anchor, for 8-3/4" masonry frames.



Adjustable Wall Anchors

- Butterfly design.
- .065 galvanized steel.
- Sold in 100 packs only.

XT1-100PK • Twist-in existing wall anchor, 4-3/4" to 6-3/4".

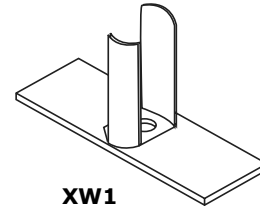


■ Anchors (Cont.)

Existing Wall Anchors

- Ideal for all existing wall applications.
- For 4-3/4" to 8-3/4" frames.
- Sold in 100 packs only.

- XW1-100PK** • 4-3/4" existing wall anchor, unequal rabbet.
- XW2-100PK** • 5-3/4" existing wall anchor, equal rabbet.
- XW3-100PK** • 5-3/4" existing wall anchor, unequal rabbet.
- XW4-100PK** • 6-3/4" existing wall anchor, equal rabbet.
- XW5-100PK** • 6-3/4" existing wall anchor, unequal rabbet.
- XW6-100PK** • 7-3/4" existing wall anchor, equal rabbet.
- XW7-100PK** • 7-3/4" existing wall anchor, unequal rabbet.
- XW8-100PK** • 8-3/4" existing wall anchor, equal rabbet.
- XW9-100PK** • 8-3/4" existing wall anchor, unequal rabbet.

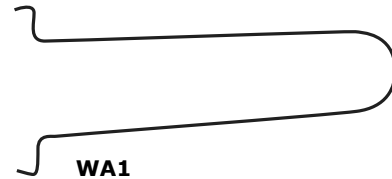


XW1

Wire Masonry Anchors

- For masonry frames.
- Sold in 100 packs only.

WA1-100PK



WA1

DOOR & FRAME ACCESSORIES

Reinforcements - Fillers

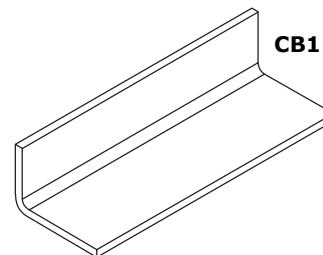
Corner Fillers

- Holes in one side for anchoring 1-5/8" x 1-5/8".
- .065 - 16 gauge galvanized steel.
- Sold in 50 packs only.

- CB1-50PK**
- 2" face frame corner filler.
 - 5/8" x 7/16" lip x 1-13/16" wide.

- CB2-50PK**
- 2-5/8" face frame corner filler.
 - 5/8" x 7/16" lip x 2-7/16" wide.

- CB3-50PK**
- 4" face frame corner filler.
 - 5/8" x 7/16" lip x 3-13/16" wide.



CB1

Door Hinge Filler Plates

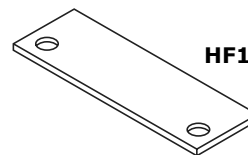
- Two (2) #12-24 x 1/2" F.H.M.S.
- Sold in 25 packs only.

- HF1-25PK**
- 4-1/2" hinge filler for bevelled edge (handed) doors.
 - 1-1/2" x 4-1/2" x .134 HRPO, prime painted.

- HF2-25PK**
- 4-1/2" hinge filler for square edge (non-handed) doors.
 - 1-3/4" x 4-1/2" x .134 HRPO, prime painted.

- HF4-25PK**
- 5" hinge filler for bevelled edge (handed) doors.
 - 1-1/2" x 5" x .134 HRPO, prime painted.

- HF5-25PK**
- 5" hinge filler for square edge (non-handed) doors.
 - 1-3/4" x 5" x .134 HRPO, prime painted.



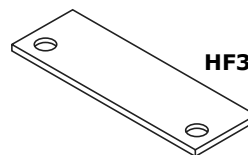
HF1

Frame Hinge Filler Plates

- For 1-3/4" rabbeted frames.
- Two (2) #12-24 x 1/2" F.H.M.S.
- Sold in 25 packs only.

- HF3-25PK**
- 4-1/2" hinge filler for frames.
 - 1-5/8" x 4-1/2" x .134 HRPO, prime painted.

- HF6-25PK**
- 5" hinge filler for frames.
 - 1-5/8" x 5" x .134 HRPO, prime painted.



HF3

Hole Covers

- Sold in 50 packs only.

- LF4-50PK**
- 1-1/2" hole covers.
 - For 160 & 161 cylinder holes.
 - 2-3/32" diameter x .049 galvanized steel.



LF4

Reinforcements - Fillers (Cont.)

Door Face Filler Plates

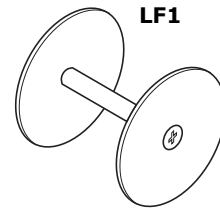
- One (1) 8-32 thru bolt.
- Sold in 25 packs only.

LF1-25PK

- 2-1/8" screw-in hole cover.
- For 160 & 161 cylinder holes.
- 2-5/8" diameter x .049 galvanized steel, prime painted.

LF5-25PK

- For 1-1/2" cylinder holes.
- 1-3/4" diameter x .049 galvanized steel, prime painted.



Door Edge Filler Plates

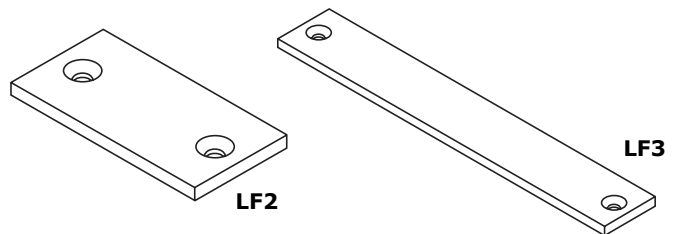
- Sold in 25 packs only.

LF2-25PK

- For government 161 latch.
- 1-1/8" x 2-1/4" x .134 CRS, prime painted.
- Two (2) #8-32 x 1/2" F.H.M.S.

LF3-25PK

- For government 86 mortise lock face.
- 1-1/4" x 8" x .187 HRPO, prime painted.
- Two (2) #12-24 x 1/2" F.H.M.S.



Flush Bolt Filler Plates

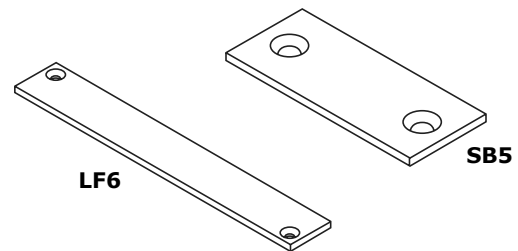
- Sold in 25 packs only.

LF6-25PK

- Flush bolt filler.
- 1" x 6-3/4" x .134 CRS, prime painted.
- Two (2) #8-32 x 1/2" F.H.M.S.

SB5-25PK

- Flush bolt strike filler.
- 15/16" x 2-1/4" .075 galvanized steel, prime painted.
- Two (2) #8-32 x 1/2" F.H.M.S.



Strike Filler Plates

- Sold in 25 packs only.

SB1-25PK

- For 4-7/8" strike.
- 1-1/4" x 4-7/8" x .095 CRS, prime painted.
- Two (2) #12-24 x 1/2" F.H.M.S..

SB2-25PK

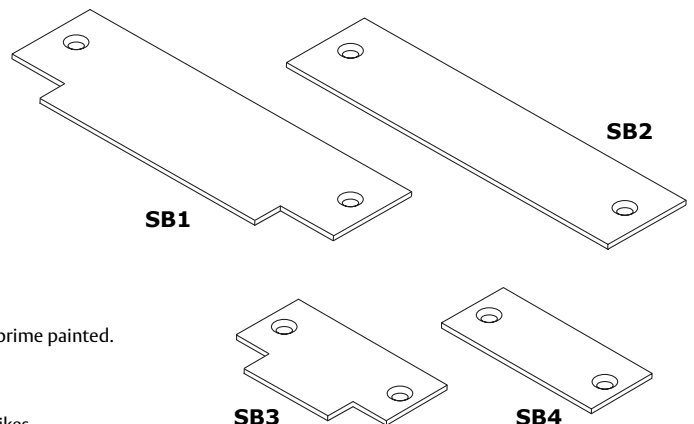
- For 4-7/8" deadlock strike, no lip.
- 1-1/4" x 4-7/8" x .095 CRS, prime painted.
- Two (2) #12-24 x 1/2" F.H.M.S..

SB3-25PK

- For 2-3/4" T-strike.
- 1-1/8" x 2-3/4" x .083 galvanized steel, prime painted.
- Two (2) #8-32 x 1/2" F.H.M.S.

SB4-25PK

- For Schlage B lock and other deadlock strikes.
- 1-1/8" x 2-3/4" x .083 galvanized steel, prime painted.
- Two (2) #8-32 x 1/2" F.H.M.S.



DOOR & FRAME ACCESSORIES

Reinforcements - Fillers (Cont.)

Shims

- Sold in 50 packs only.

HS1-50PK

- 22 gauge 4-1/2" hinge shim.
- 1-7/16" x 4-1/2" x .028 galvanized steel.

HS2-50PK

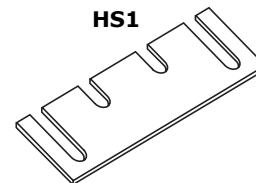
- 16 gauge 4-1/2" hinge shim.
- 1-7/16" x 4-1/2" x .065 galvanized steel.

HS3-50PK

- 22 gauge 5" hinge shim.
- 1-7/16" x 5" x .028 galvanized steel.

HS4-50PK

- 16 gauge 5" hinge shim.
- 1-7/16" x 5" x .065 galvanized steel.

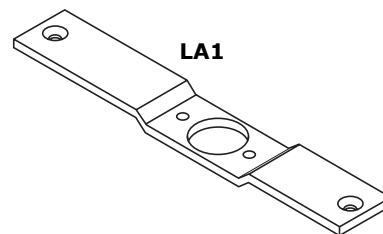


Latch Adapters

- Mortise lock to bored latch adapter.
- Sold in 25 packs only.

LA1-25PK

- For 86 lock edge to 161 latch.
- 161 latch position offset 3/16".
- HPR0, prime painted.
- Two (2) #12-24 M.S.

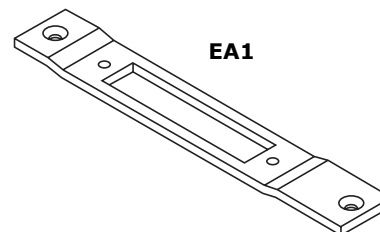


Strike Adapters

- Mortise lock edge to 4-7/8" strike adapter.
- Sold in 25 packs only.

EA1-25PK

- For 86 lock edge to ASA strike.
- Strike prep is offset 1/8".
- Inside cutout dimension is 3/4" wide x 3-1/2" long.
- HPR0, prime painted.
- Two (2) #12-24 M.S.

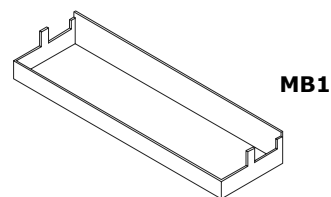


Reinforcements - Misc.

Mortar Box

- Hinge mortar box.
- Sold in 50 packs only.

MB1-50PK



■ Reinforcements - Misc. (Cont.)

Weld-In Reinforcements

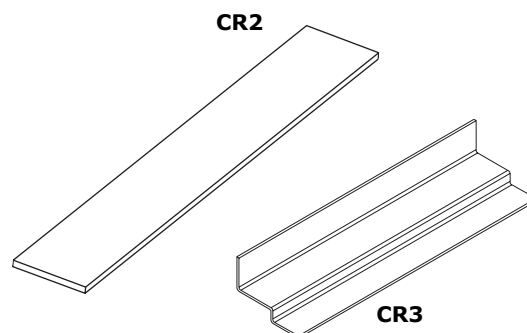
- Weld-in closer reinforcement.
- CR2 sold in 5 packs only.
- CR3 sold in 20 packs only.

CR2-5PK

- 12" flat closer reinforcement for standard and PA mount closers.
- 1-3/4" x 12" x .134 - 10 gauge HRPO.

CR3-20PK

- Half sleeve closer reinforcement for 2" face frame. For 14" standard mount and PA closers.
- 14" long x .109 - 14 gauge HRPO.



Weld-in Strike Combination Reinforcement & Dust Cover/Reversible Flush Bolt Strike

- RF1 sold in 25 packs only.
- SR1/SR2 sold in 10 packs only.

RF1-25PK

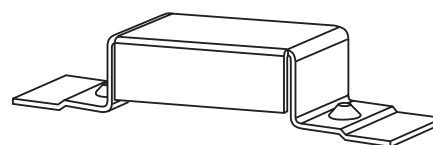
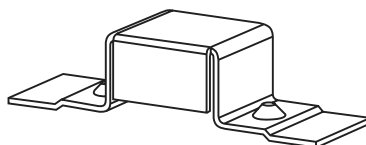
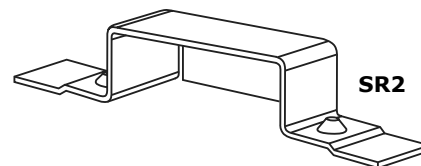
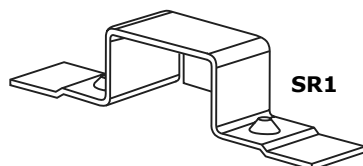
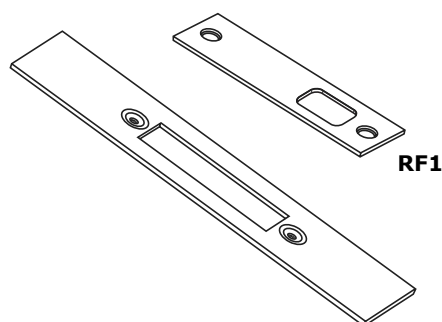
- Reversible flush bolt strike reinforcing with strike.
- 3-3/4" x 1-1/8" x 16 gauge CRS, prime painted.
- 7" x 1-1/2" - 14 gauge CRS.

SR1-10PK

- 2-3/4" T-strike reinforcing.
- 16 gauge CRS.

SR2-10PK

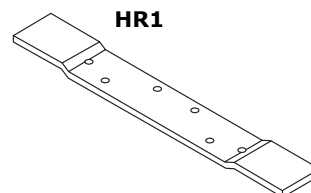
- For use with standard ASA or 4-7/8" strike in frame.
- 16 gauge CRS.



Reinforcements - Misc. (Cont.)

Hinge Reinforcements

- 1-1/4" x 9" x .187 HRPO.
- Holes tapped 12-24. Fits door and frames.
- Sold in 50 packs only.



HR1-50PK • For 4-1/2" x .180 heavy weight hinges.

HR2-50PK • For 4-1/2" x .134 regular weight hinges.

HR3-50PK • For 5" x .190 heavy weight hinges.

HR4-50PK • For 5" x .146 regular weight hinges.

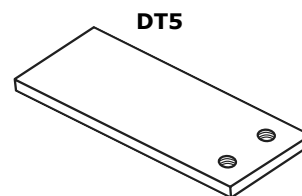
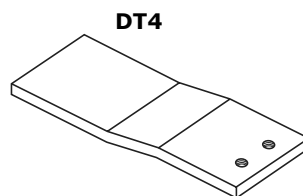
Reinforcements - Tabs

Flush Bolt Tabs

- 1" x 2-1/2" x .109 HRPO.
- Two holes tapped 8-32.
- Sold in 50 packs only.

DT4-50PK • For doors, 1" face flush bolts - 3/32" offset.

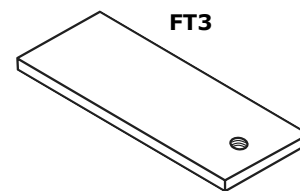
DT5-50PK • For doors, 1" face flush bolts - no offset.



Flush Bolt Strike Tabs

- For strike in header bars - no offset
- 1" x 2-1/2" x .109 HRPO.
- Hole tapped 8-32.
- Sold in 50 packs only.

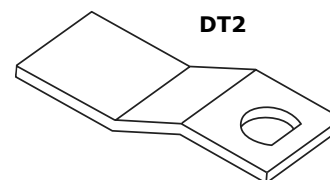
FT3-50PK



Flush Bolt Guide Tabs

- Flush bolt guide tab for door.
- 1" x 2-1/2" x .109.
- Hole tapped 12-24.
- Sold in 50 packs only.

DT2-50PK



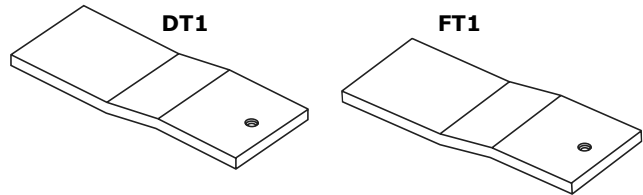
Reinforcements - Tabs (Cont.)

Dead Lock/Spring Latch/Lock Strike Tabs

- 1" x 2-1/2" x .109 HRPO.
- Hole tapped 8-32.
- Sold in 50 packs only.

DT1-50PK • For 160 & 161 latch bolts - 3/32" offset.

FT1-50PK • For 160 & 161 latch bolts - 1/16" offset.



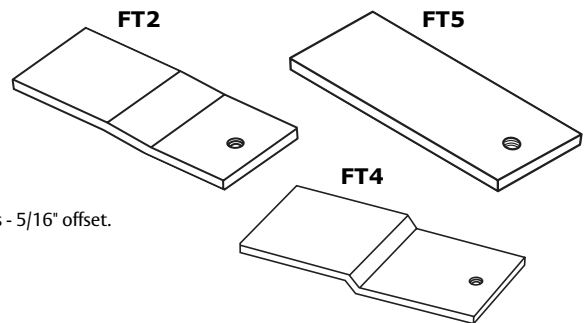
Strike Tabs

- 1" x 2-1/2" x .109 HRPO.
- Hole tapped 12-24.
- Sold in 50 packs only.

FT2-50PK • For ASA strikes - 1/16" offset.

FT4-50PK • For Von Duprin, Folger Adams and other electric strikes - 5/16" offset.

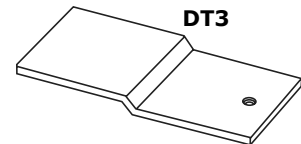
FT5-50PK • For strikes in frame - no offset.



Lock Edge Tabs

- Mortise lock tab.
- 1" x 2-1/2" x .109 HRPO.
- Hole tapped 12-24.
- Sold in 50 packs only.

DT3-50PK • For government 86 locks - 1/8" offset.



Latch Guards

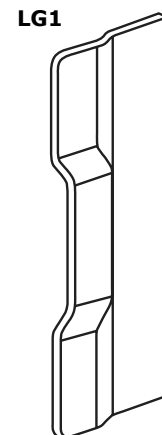
Latch Guard

- Fits mortise or cylindrical lock strike.
- Constructed of heavy 12 gauge HRPO.
- Clean, neat appearance.
- Unique embossed design gives added strength.
- All fasteners included.
- Non-handed.
- Easy to install.
- Size: 2-1/8" x 10"
- Sold in 10 packs only.

LG1-10PK • Stainless steel.

LG2-10PK • Duranodic.

LG3-10PK • Prime painted.



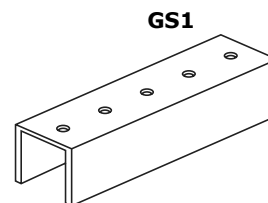
■ Glazing Bead/Spreader Bar

Glazing Bead

- Sold in 20 packs only.

GS1-20PK

- 8' 0".
- 5/8" x 5/8".
- Punched and countersunk for #8 screw.
- Hole spacings are 6" from ends and 12" on center.
- .049 18 gauge galvanized steel, prime painted.

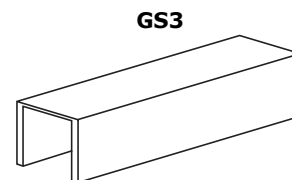


GS2-20PK

- 10' 0".
- 5/8" x 5/8".
- Punched and countersunk for #8 screw.
- Hole spacings are 6" from ends and 12" on center.
- .049 18 gauge galvanized steel, prime painted.

GS3-20PK

- 10' 0".
- 5/8" x 5/8".
- Blank (no holes).
- .049 18 gauge galvanized steel, prime painted.



GS4-20PK

- 3' 0".
- 5/8" x 5/8".
- Blank (no holes).
- .049 18 gauge galvanized steel, prime painted.

■ Door Channels & Top Caps

Door Channels

- 1/2" x 1-5/8" x 1/2" - .049 - 18 gauge galvanized steel.
- Sold in 10 packs only.

DC1-10PK

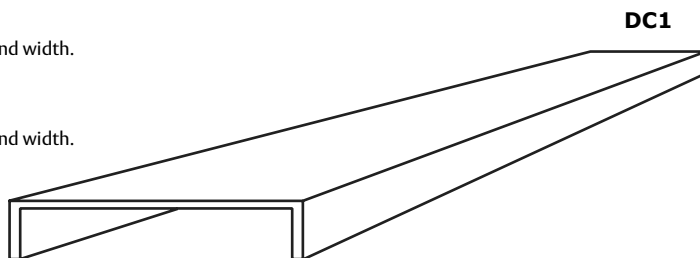
- For use when cutting doors in height and width.
- 10' 0".

DC2-10PK

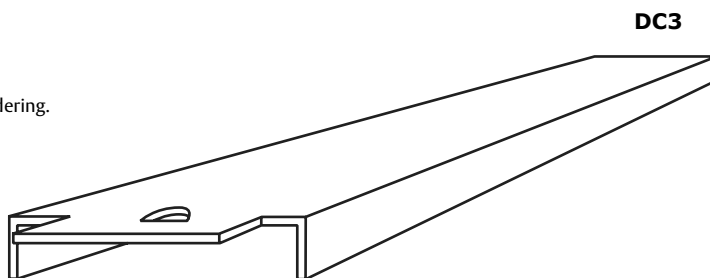
- For use when cutting doors in height and width.
- 8' 0".

DC3-10PK

- Door cap with flush bolt guide.
- For use when cutting doors in height.
- Channels are notched at each end.
- 4' 0".
- Specify nominal door width when ordering.



DC1



DC3

Top Caps

- Holes are punched and countersunk.
- Specify nominal door width when ordering.
- 1/2" x 1-7/16" x 1/2" .035 20 gauge channel.
- #6 x 1-7/8" TEK BUGL.
- Galvanized steel.
- Sold in 10 packs only.

TC1-10PK

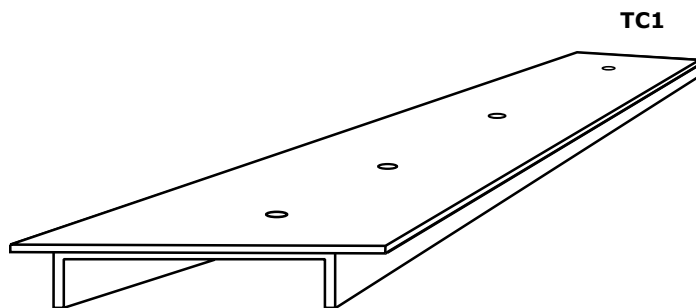
- Screw in flush top cap 3' 0".

TC2-10PK

- Screw in flush top cap 3' 6".

TC3-10PK

- Screw in flush top cap 4' 0".

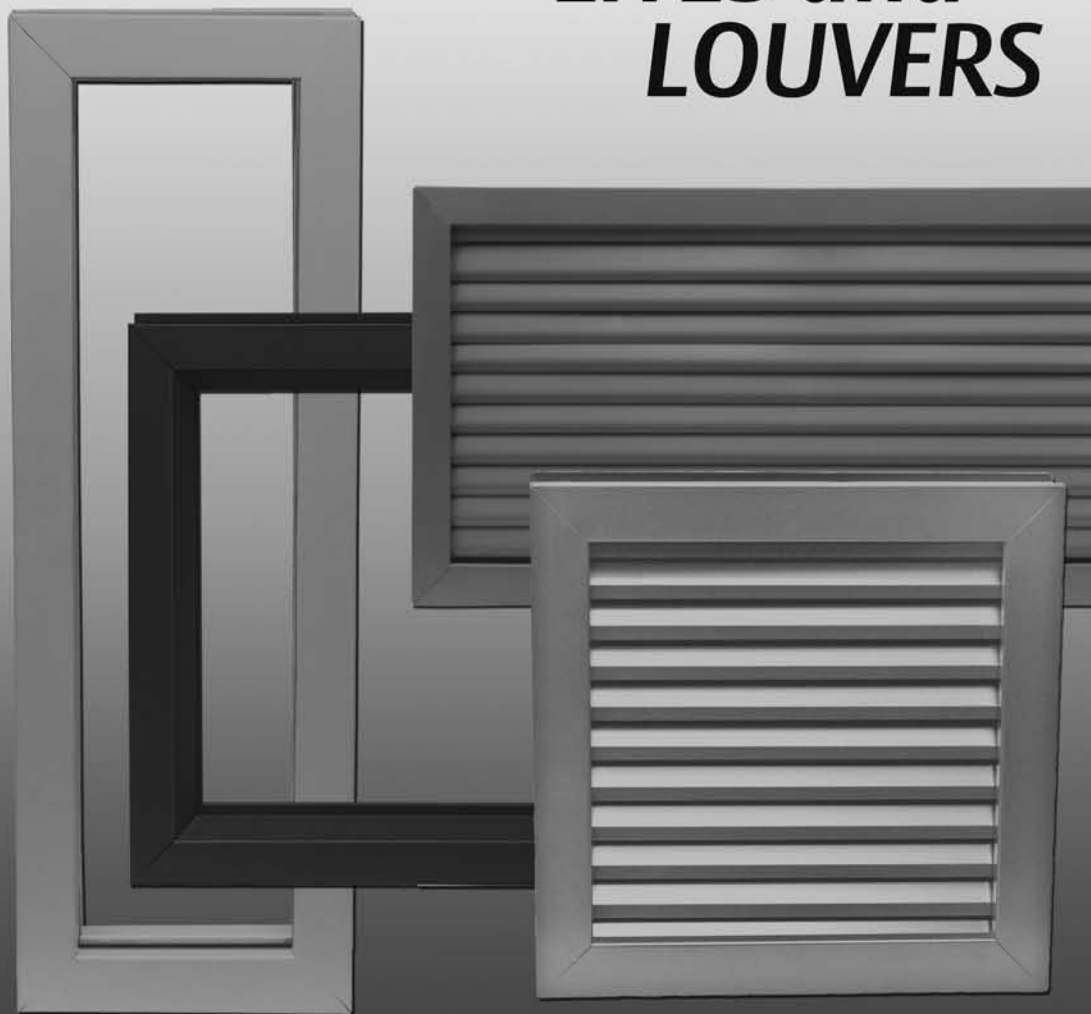


TC1



ASSA ABLOY

INTRODUCING *LITES and LOUVERS*



PEMKO

DOOR & FRAME
ACCESSORIES

FILLERS



TABS



ADAPTERS



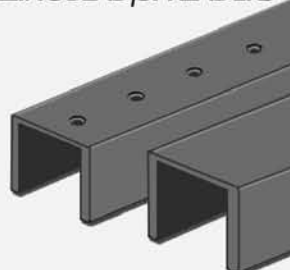
ANCHORS



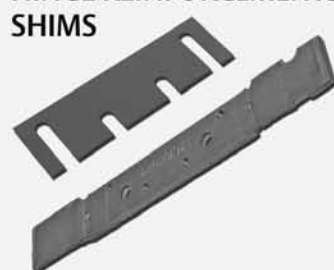
DOOR CAPS



GLAZING BEAD/SPREADERS



**HINGE REINFORCEMENTS/
SHIMS**



NOW AVAILABLE FROM PEMKO MANUFACTURING COMPANY