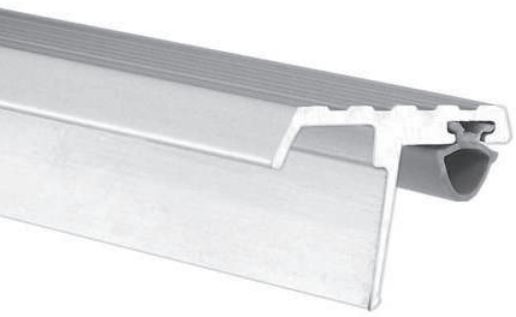
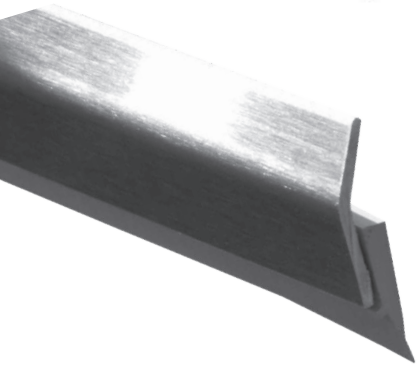
PEMKO ASTRAGALS & MEETING STILES









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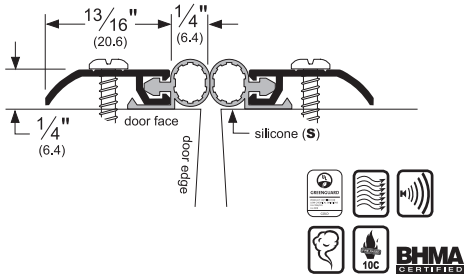
ASTRAGAL AND MEETING STILE GASKETING – SPLIT ASTRAGALS

- Astragals and meeting stiles with a fire label may be mounted on pairs of doors wherein the gap meets the requirements of **NFPA 80, 6.3.1.7.1 "The clearance between... the meeting edges of doors swinging in pairs on the pull side shall be 1/8" ± 1/16" (3.18mm ± 1.59mm) for steel doors and shall not exceed 1/8" (3.18mm) for wood doors"**
- Punched with slotted holes for adjustment
- Order split astragals at two (2) pieces by door height per set of double doors. When ordering add "/2" to the end of the part number to specify 2 pieces (i.e. order quantity 1 each 303AS84/2 to get two lengths at 84 inches)
- Clear anodized brush products are supplied with gray brush. Painted white brush products are supplied with white brush when available, otherwise black brush is supplied. All other finishes supplied with black brush. Black brush is available for clear anodized and painted white brush products upon request.

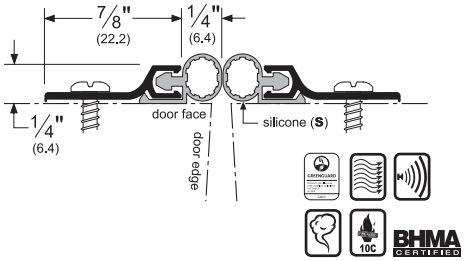
297_S

AVAILABLE FINISHES:
10BE, 4E, A, BSP, D, PW, SN, WSP
REPLACEMENT INSERT:
S3 (BL, W)
ANSI: **R3E734, R3E735**



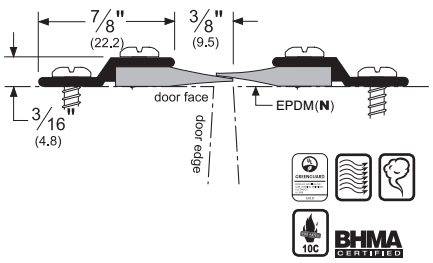
303_S

AVAILABLE FINISHES:
10BE, 4E, A, BSP, C, D, G, SN, WSP
REPLACEMENT INSERT:
S3 (BL, W)
ANSI: **R3E734, R3E735**



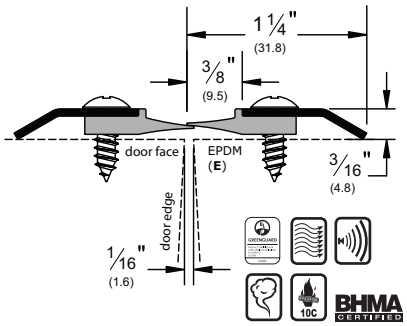
305_N

AVAILABLE FINISHES:
10BE, B, BSP, C, D, WSP
REPLACEMENT INSERT:
E2 (BL)
ANSI: **R3G734, R3G735**



305SSE

AVAILABLE FINISHES:
SS (#4 Finish)
REPLACEMENT INSERT:
E2 (BL)
ANSI: **R5G734, R5G735**



Alternate Inserts For 297

297_PK

AVAILABLE FINISHES:
10BE, 4E, A, BSP, D, PW, SN, WSP
REPLACEMENT INSERT:
PK47 (BL, GR)
ANSI: **R3G734, R3G735**

PemkoPrene™ **(PK)**

297_V

AVAILABLE FINISHES:
10BE, 4E, A, BSP, D, PW, SN, WSP
REPLACEMENT INSERT:
EV47 (BL, GR, W)

Eco-V™ **(V)**

Alternate Inserts For 303

303_PK

AVAILABLE FINISHES:
10BE, 4E, A, BSP, C, D, G, SN, WSP
REPLACEMENT INSERT:
PK47 (BL, GR)
ANSI: **R3G734**

PemkoPrene™ **(PK)**

303_V

AVAILABLE FINISHES:
10BE, 4E, A, BSP, C, D, G, SN, WSP
REPLACEMENT INSERT:
EV47 (BL, GR, W)

Eco-V™ **(V)**

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **4E** (Translucent Brass Powder Coat) **A** (Mill Finish Aluminum)
BSP (Black Suede Powder Coated Aluminum) **C** (Clear Anodized) **D** (Dark Bronze Anodized) **G** (Gold Anodized)
PW (Painted White) **SN** (Satin Nickel Anodized) **WSP** (White Suede Powder Coated Aluminum)

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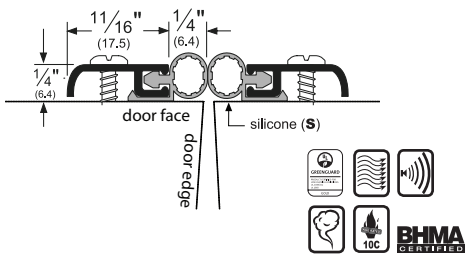
ASTRAGAL AND MEETING STILE GASKETING – SPLIT ASTRAGALS *(Cont.)*

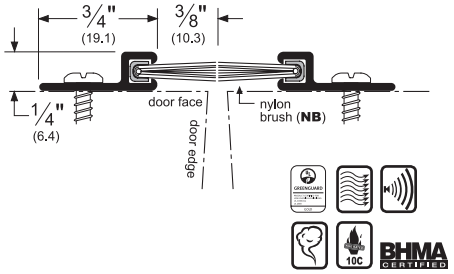
316_S

AVAILABLE FINISHES:
10BE, 4E, A, BSP, D, G, WSP
REPLACEMENT INSERT:
S3 (BL, W)
ANSI: **R3E734, R3E735**



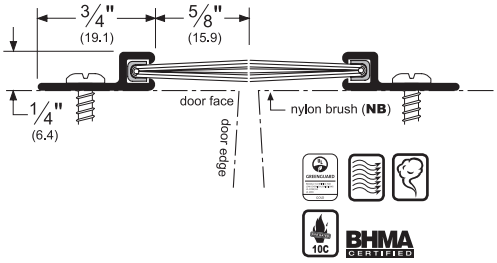
18041_NB

AVAILABLE FINISHES:
10BE, C, BSP, D, G, SN, WSP
REPLACEMENT INSERT:
P516041 (BL, GR)
ANSI: **R3A734**
NOTE: Brush should mesh from 1/32" to 1/16".



18061_NB

AVAILABLE FINISHES:
10BE, C, BSP, D, G, SN, WSP
REPLACEMENT INSERT:
P516062 (BL, GR, W)
ANSI: **R3A734**
NOTE: Brush should mesh from 1/32" to 1/16".



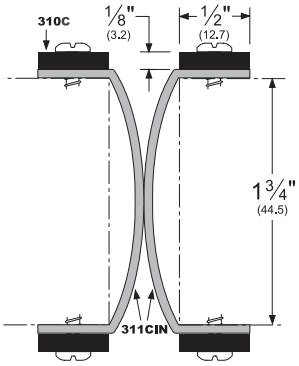
310*

311CIN

AVAILABLE FINISHES:
C

- 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

* Sold individually



Alternate Inserts For 316

316_PK

AVAILABLE FINISHES:
10BE, 4E, A, BSP, D, G, WSP
REPLACEMENT INSERT:
PK47 (BL, GR)
ANSI: **R3G734, R3G735**



PemkoPrene™ **(PK)**

316_V

AVAILABLE FINISHES:
10BE, 4E, A, BSP, D, G, WSP
REPLACEMENT INSERT:
EV47 (BL, GR, W)



Eco-V™ **(V)**

Alternate Inserts For 18041

18041_SB

AVAILABLE FINISHES:
10BE, C, BSP, D, G, SN, WSP
REPLACEMENT INSERT:
P3 (BL, GR)



soft brush (**SB**)

AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **4E** (Translucent Brass Powder Coat) **A** (Mill Finish Aluminum)
BSP (Black Suede Powder Coated Aluminum) **C** (Clear Anodized) **D** (Dark Bronze Anodized)
G (Gold Anodized) **SN** (Satin Nickel Anodized) **WSP** (White Suede Powder Coated Aluminum)

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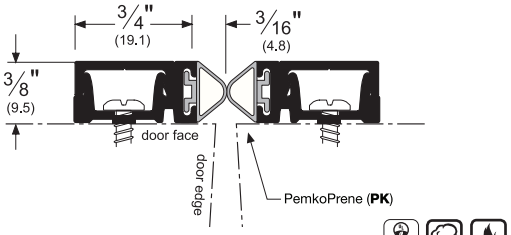
SPLIT ASTRAGALS WITH SNAP COVERS – CONCEALED FASTENERS

- Snap cover helps prevent vandalism and adds an attractive finished look by concealing the fasteners
- Replacement snap cover part number is _29316. Please specify finish and length when ordering.

29310_PK

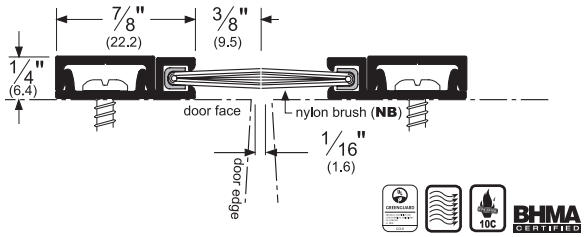
AVAILABLE FINISHES:
10BE, BSP, C, D, G, WSP
REPLACEMENT INSERT:
PK4 (BL, GR)
ANSI: **R3E734**



29324_NB

AVAILABLE FINISHES:
10BE, BSP, C, D, G, WSP
REPLACEMENT INSERT:
P516041 (BL, GR)
ANSI: **R3A434**

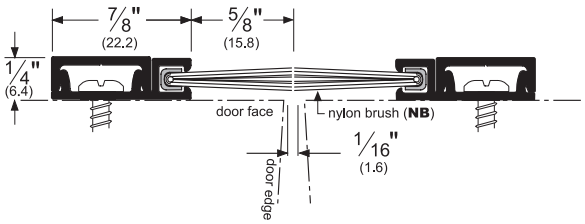
NOTE: Brush should mesh from 1/32" to 1/16".



29326_NB

AVAILABLE FINISHES:
10BE, BSP, C, D, G, WSP
REPLACEMENT INSERT:
P516062 (BL, GR, W)
ANSI: **R3A164, R3A165**

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



Alternate Inserts For 29310

29310_P

AVAILABLE FINISHES:
10BE, BSP, C, D, G, WSP
REPLACEMENT INSERT:
P2 (BL, GR)


pile (**P**)

29310_V

AVAILABLE FINISHES:
10BE, BSP, C, D, G, WSP
REPLACEMENT INSERT:
EV41 (BL, GR, W)


Eco-V™ (**V**)

Alternate Inserts For 29324

29324_SB

AVAILABLE FINISHES:
10BE, BSP, C, D, G, WSP
REPLACEMENT INSERT:
P3 (BL, GR)

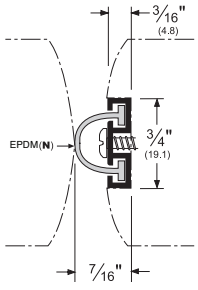

soft brush (**SB**)

MEETING STILE GASKETING

- These products do not work well on beveled-edge pairs of doors

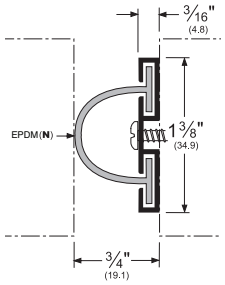
313_N

AVAILABLE FINISHES:
A, D, G
REPLACEMENT INSERT:
E1 (BL, GR)
NOTE: Recommended radius is 1-7/8"



314_N

AVAILABLE FINISHES:
C, D, G
REPLACEMENT INSERT:
E3 (BL)



AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum) **BSP** (Black Suede Powder Coated Aluminum)
C (Clear Anodized) **D** (Dark Bronze Anodized) **G** (Gold Anodized) **WSP** (White Suede Powder Coated Aluminum)

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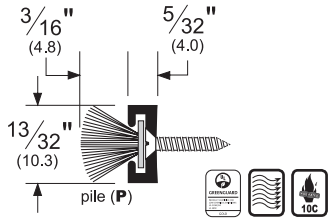
MEETING STILE GASKETING *(Cont.)*

- 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
- These products do not work well on beveled-edge pairs of doors

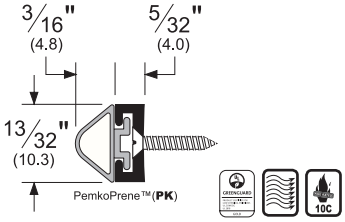
369_P

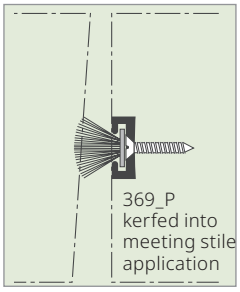
AVAILABLE FINISHES: **A, D, G**
REPLACEMENT INSERT:
P2 (BL, GR)



369_PK

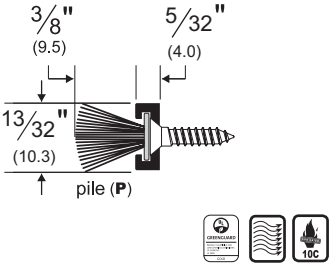
AVAILABLE FINISHES: **A, D, G**
REPLACEMENT INSERT:
PK4 (BL, GR)





369_P4

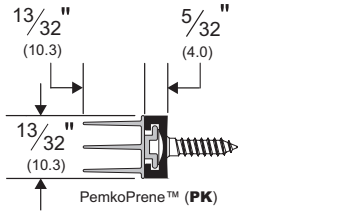
AVAILABLE FINISHES: **A, D, G**
REPLACEMENT INSERT:
P4 (BL)



369_PK773

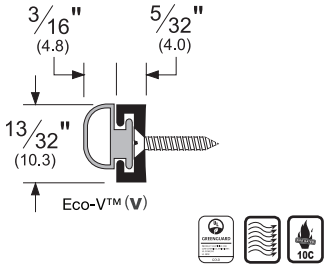
AVAILABLE FINISHES: **A, D, G**
REPLACEMENT INSERT:
PK773 (BL)

- Gasket only available in 36" or 49" lengths and will be spliced a continuous metal retainer



369_V

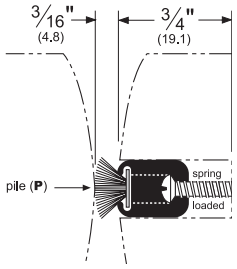
AVAILABLE FINISHES: **A, D, G**
REPLACEMENT INSERT:
EV41 (BL, GR, W)



300_P

AVAILABLE FINISHES:
B, C, D, G
REPLACEMENT INSERT:
P2 (BL, GR)

- For a 3/8" gap (or smaller) between doors
- Spring-loaded from back side

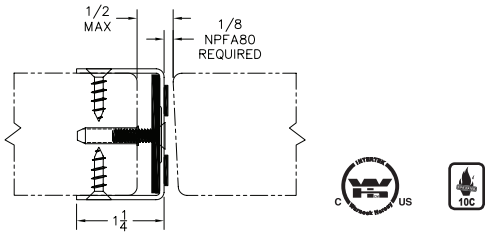


EXCESSIVE GAP MEETING EDGE

XG90SSME-KIT

AVAILABLE FINISHES: **SS, 10BE, BSP, WSP**

- Certified for paired doors on both Hollow Metal and Wood Fire-Rated Doors, up to 90 minutes
- Meets UL10C requirements for excessive gaps up to 1/2"
- Furnished with metal edge guard and high performance intumescent: HSS2000BL, HSS90BL



AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
A (Mill Finish Aluminum) **B** (Mill Finish Extruded Bronze [Brass]) **C** (Clear Anodized) **D** (Dark Bronze Anodized) **G** (Gold Anodized)
MEETING STILE: **10BE** (Satin Bronze Powder Coated Aluminum) **BSP** (Black Suede Powder Coated Aluminum)
SS (Stainless Steel) **WSP** (White Suede Powder Coated Aluminum)

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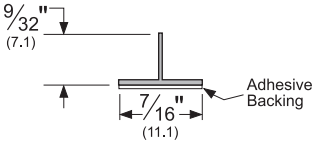
ADHESIVE ASTRAGAL/MEETING STILE SEALS

- 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

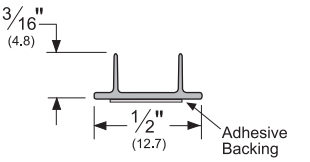
S771

AVAILABLE FINISHES: **BL, C, D, W**
AVAILABLE LENGTHS: **7', 8', 9', 10'**
ANSI: **R0E754, R0E755**



S772

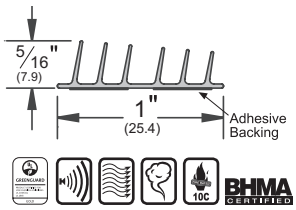
AVAILABLE FINISHES: **BL, C, D, W**
AVAILABLE LENGTHS: **7', 8', 9', 10'**
ANSI: **R0E754, R0E755**



S771x6

AVAILABLE FINISHES: **BL**
AVAILABLE LENGTHS: **7', 8', 9', 10'**
ANSI: **R0E154, R0E155, R0E754, R0E755**

- Designed for hollow metal and wood meeting stile applications
- Seal begins compressing at 5/16"



Notes For All Adhesive Gasketing:
Storage and shelf life: All adhesive gaskets have a limited shelf life. This product must be installed within 6 months of purchase and must be stored between 50°F and 100°F.
For further notes/details, please see Adhesive Gasketing section.

ADJUSTABLE ASTRAGALS

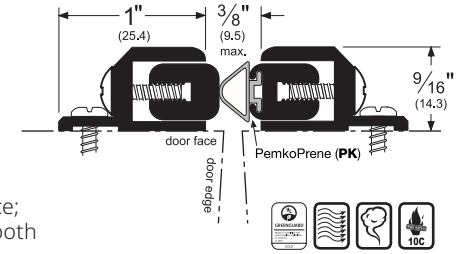
- Available in 84", 96" and 120" lengths
- When used as split astragals on double doors, two lengths must be ordered: one for each door
- If you require split astragals in a metal to gasket configuration, you must order using part number 351_/351_PK where "PK" can be any gasket designation shown in this section and "_" is your desired finish

351_PK

AVAILABLE FINISHES:
10BE, B, BSP, C, D, G, WSP
REPLACEMENT INSERT:
PK4 (BL, GR)

- Suface applied
- For use with square-edge or bevel-edge doors
- 351_PK (et al) is one single piece; order 351_/351_PK to receive both pieces as in drawing

351_ / 351_PK shown below

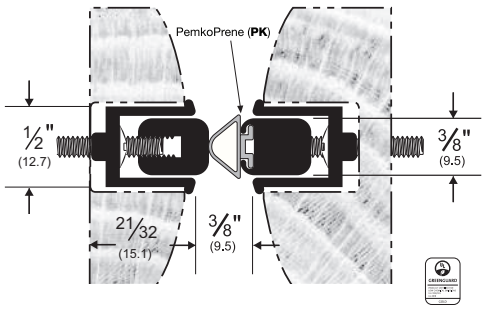


354_PK

AVAILABLE FINISHES:
10BE, B, BSP, C, D, G, WSP
REPLACEMENT INSERT:
PK4 (BL, GR)

- Fully mortised
- Designed for use with bullnose doors
- 354_PK (et al) is one single piece; order 354_/354_PK to receive both pieces as in drawing

354_ / 354_PK shown below



Alternate Inserts For 351

351_V

AVAILABLE FINISHES:
10BE, B, BSP, C, D, G, WSP
REPLACEMENT INSERT:
EV41 (BL, GR, W)



351_P

AVAILABLE FINISHES:
10BE, B, BSP, C, D, G, WSP
REPLACEMENT INSERT:
P2 (BL, GR)



Alternate Inserts For 354

354_V

AVAILABLE FINISHES:
10BE, B, BSP, C, D, G, WSP
REPLACEMENT INSERT:
EV41 (BL, GR, W)



354_P

AVAILABLE FINISHES:
10BE, B, BSP, C, D, G, WSP
REPLACEMENT INSERT:
P2 (BL, GR)



AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **B** (Mill Finish Extruded Bronze [Brass]) **BSP** (Black Suede Powder Coated Aluminum) **C** (Clear Anodized) **D** (Dark Bronze Anodized) **G** (Gold Anodized) **WSP** (White Suede Powder Coated Aluminum)
Gasket colors: **BL** (Black) **C** (Clear) **D** (Dark) **GR** (Gray) **W** (White)

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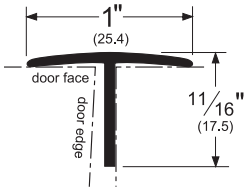
"T" AND OVERLAPPING ASTRAGALS

359_

AVAILABLE FINISHES:
10BE, A, BSP, D, WSP

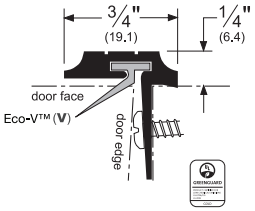
- Supplied with weatherstrip nails for installation



356_V

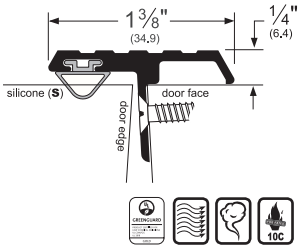
AVAILABLE FINISHES:
10BE, A, BSP, D, PW, WSP
REPLACEMENT INSERT:
EV17 (GR, W)

- Countersink drilling with countersunk flathead screws also available upon request at no extra charge



355_S

AVAILABLE FINISHES:
10BE, B, BSP, C, D, PW, WSP
REPLACEMENT INSERT:
S4 (BL, GR)



Alternate Inserts For 355

355_V

AVAILABLE FINISHES:
10BE, B, BSP, C, D, PW, WSP
REPLACEMENT INSERT:
EV7 (BL, GR)



355_P

AVAILABLE FINISHES:
10BE, B, BSP, C, D, PW, WSP
REPLACEMENT INSERT:
P2 (BL, GR)



355_PK

AVAILABLE FINISHES:
10BE, B, BSP, C, D, PW, WSP
REPLACEMENT INSERT:
PK7 (BL, GR)

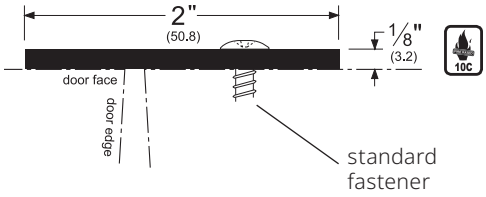


357_
357_ND

AVAILABLE FINISHES:
10BE, BSP, C, D, SP, SPBSP, SPWSP
SS (#4 Finish & #4 Edge)

11 GAUGE

- "ND" denotes "no drill" (unless specified "ND", astragals are drilled)
- Standard fastener is #10 x 1" Truss Head SMS
- Lead-line option available

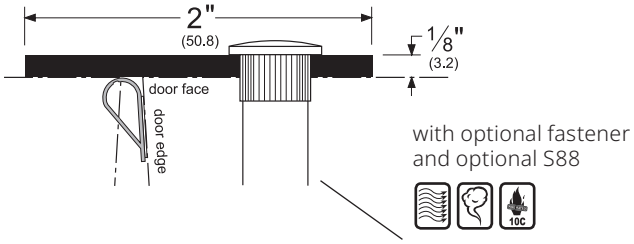


357_ with S88

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

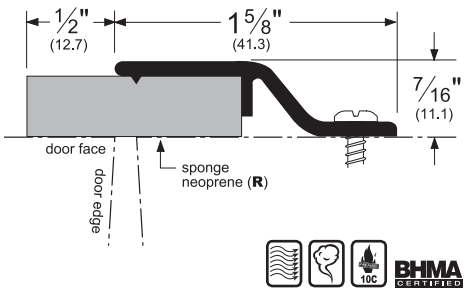
11 GAUGE

- Standard fastener is #10 x 1" Truss Head SMS
- 1/4" - 20 machine screws and thru-bolts must be ordered separately at additional cost
- S88 seal must be ordered separately at an additional cost, if required



375_R

AVAILABLE FINISHES: **10BE, BSP, C, D, WSP**
REPLACEMENT INSERT: **ER6 (BL)**
ANSI: **R3C634, R3C635**



AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
10BE (Satin Bronze Powder Coated Aluminum) **A** (Mill Finish Aluminum) **B** (Mill Finish Extruded Bronze [Brass])
C (Clear Anodized) **BSP** (Black Suede Powder Coated Aluminum) **D** (Dark Bronze Anodized) **PW** (Painted White)
SP (Galvannealed Steel) **SPBSP** (Black Suede Powder Coated Steel) **SPWSP** (White Suede Powder Coated Steel)
SS (See Individual Part) **WSP** (White Suede Powder Coated Aluminum)

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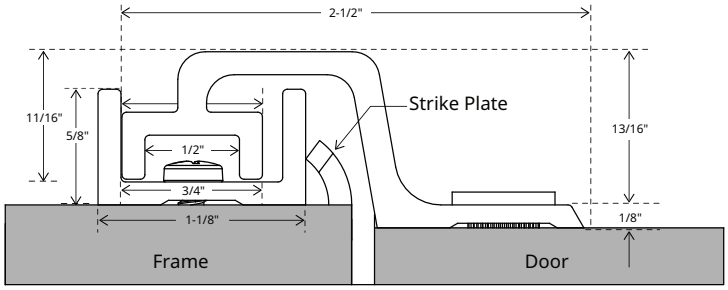
SECURITY ASTRAGAL

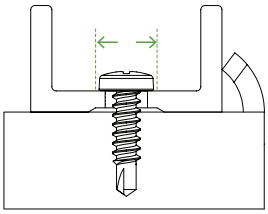
PemGuard™ 353_

AVAILABLE FINISHES: **BSP, C**
AVAILABLE LENGTHS: **83", 95"**

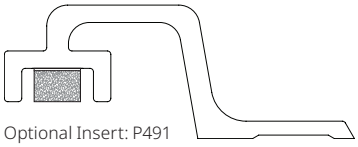
- Full-height interlocking feature secures door-jamb gap, preventing prying and forced entry
- Designed for metal, wood, and store front outswing doors—both single and double with one active leaf
- Door Thickness: 1-5/8" to 2"
- Material: 6063-T6 Aluminum
- No strike plate prep required
- Horizontal adjustability
- Tek screws for easy installation
- Tamper proof thru bolts
- Custom finishes available upon request



HORIZONTAL ADJUSTABILITY
Frame Side



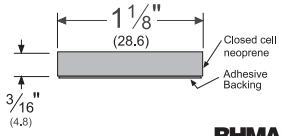
WEATHERIZATION
- Product #P491
- Color: Gray
- 1/4" T x 3/8" W x 10' L



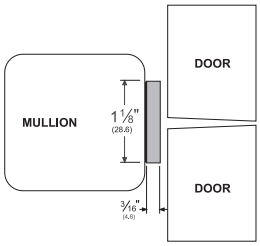
ADHESIVE-BACKED MULLION GASKETING

5110_

AVAILABLE FINISH: **BL**
AVAILABLE LENGTHS: **120"**
ANSI: **R0C004**



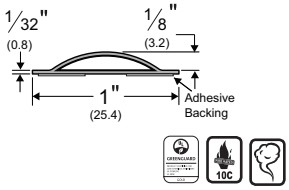
BHMA CERTIFIED

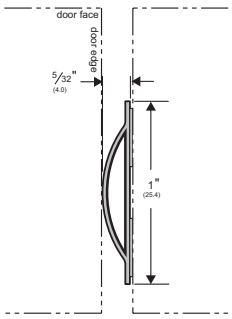


ADHESIVE-BACKED ASTRAGAL SEAL

S1125 _

AVAILABLE FINISH: **D**
AVAILABLE LENGTHS: **7', 8', 10'**





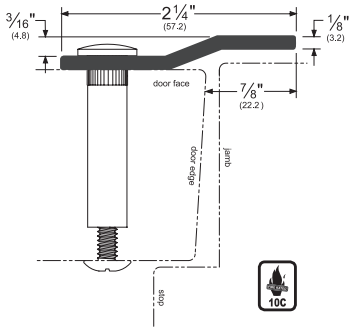
OFFSET SECURITY BAR

- 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
- 3572_ supplied drilled 12" on center with 3/8" holes; "ND" denotes "no drill"

3572_
3572_ND

AVAILABLE FINISHES:
SP, SPBSP, SPWSP,
SS (#4 Finish & #4 Edge)
AVAILABLE LENGTHS:
80", 84" and 96"

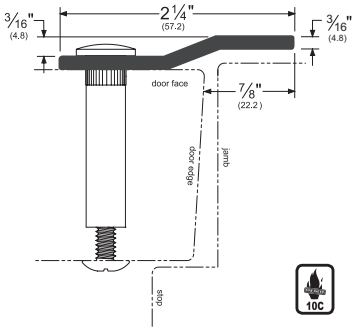
10 GAUGE



3572PP7
3572PP7ND

AVAILABLE FINISHES:
PP
AVAILABLE LENGTHS:
84"

7 GAUGE



AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
BL (Black) **BSP** (Black Suede Powder Coat) **C** (Clear Anodized) **D** (Dark Brown) **PP** (Prime Painted)
SP (Galvanized Steel) **SS** (See Individual Part) **SPBSP** (Black Suede Powder Coated Steel)
SPWSP (White Suede Powder Coated Steel)

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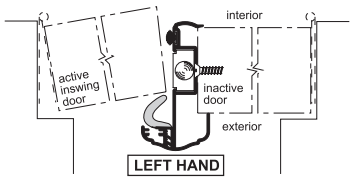
LOCKING ASTRAGALS

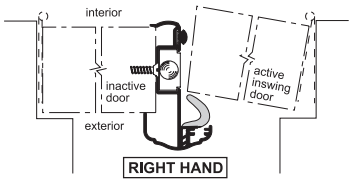
- Weatherstripped astragals with locking spring bolts or slide bolts for 1¾" inswing double doors
- Odd numbered astragals have economical smooth acting slide bolts. Slide bolts are 4" from the top/bottom standard; optional 18" slide bolt is available for easier access. Even numbered astragals have locking spring bolts. Both have full ⅜" diameter steel bolts with 1 1/16" throw. 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, preventing marking of the floor and door header trim when opening or closing the inactive door
- 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 Eco-V™ 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 ¾" x 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 181 or 184

Handing Chart For Astragals

(For pages 169 thru 171)

- 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)





3493_V

Slimline Style with Slide Bolt

REPLACEMENT INSERT: **EV41 (BL, W)**
AVAILABLE FINISHES:
C, G, D, BSP, WSP

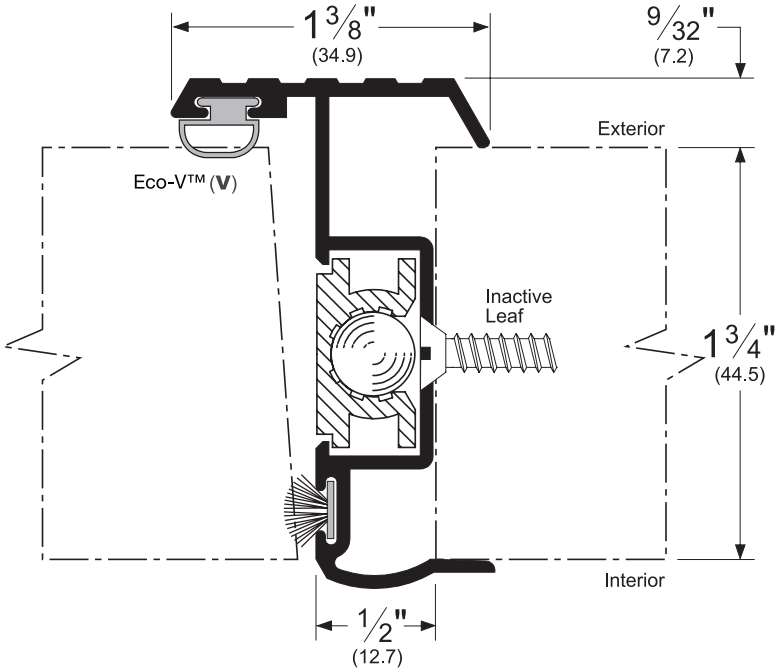
- **3493** also available with 18" slide bolt (at additional cost) for easier access (specify "**L**" at the end of the product number for this option i.e. **3493_VL**)

3494_V

Slimline Style with Locking Spring Bolt

REPLACEMENT INSERT: **EV41 (BL, W)**
AVAILABLE FINISHES:
C, G, D, BSP, WSP

Slimline Style



AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE
C (Clear Anodized) **D** (Dark Bronze Anodized) **G** (Gold Anodized) **PW** (White)

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