

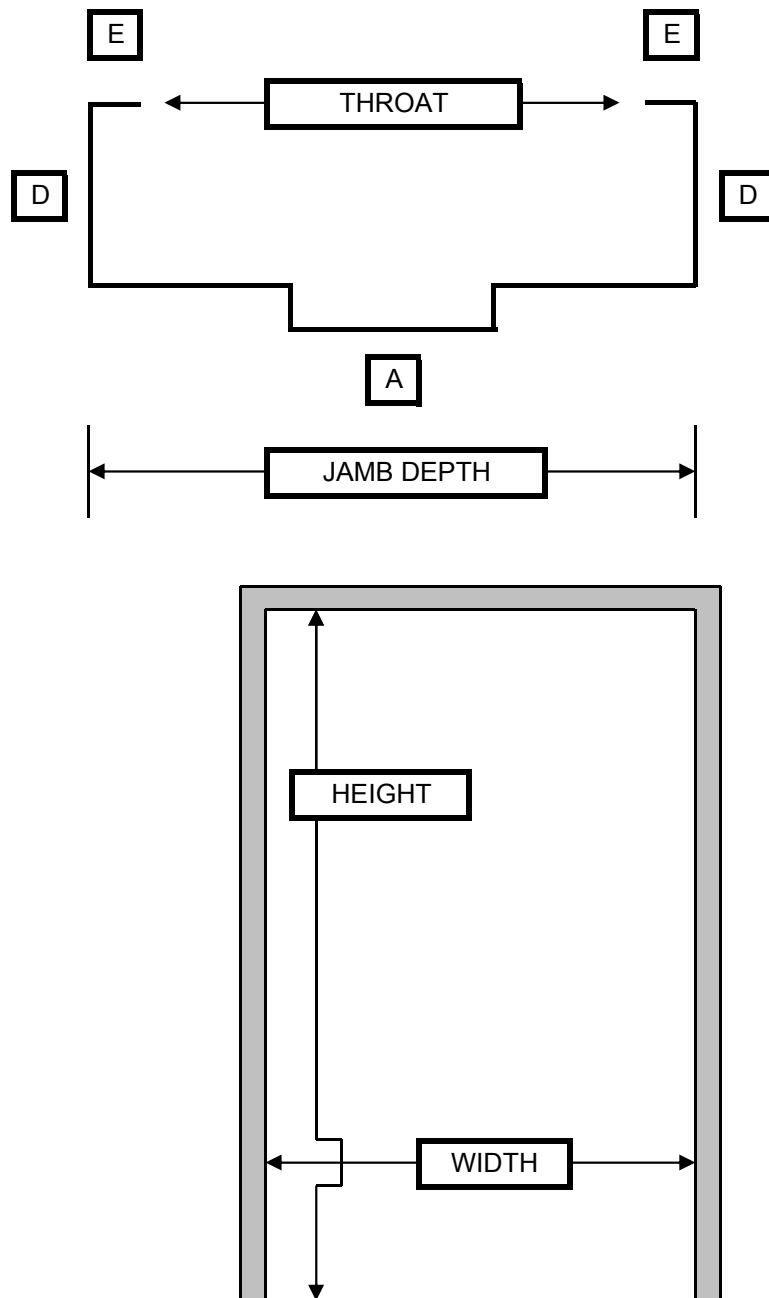
STC 46 3-Sided Paired Frame (Double Rabbet Only)

FRAME PART	DIMENSIONS
THROAT	
MINIMUM	3 5/16"
MAXIMUM	13"
A=Jamb Depth	
MINIMUM	4 5/16"
MAXIMUM	14"
D=FACES	
MINIMUM	1 1/4"
MAXIMUM	4"
E=RETURNS	
MINIMUM	7/16"
MAXIMUM	3/4"
HEIGHT	
MINIMUM	80"
MAXIMUM	96"
WIDTH - PAIR	
MINIMUM	48"
MAXIMUM	96"
All Hardware Preps receive Mortar Guards	
All Frames 14 Ga (CRS & A60 Available)	
Butt or Continuous Hinges	
(161 x ASA Strike x) Flush Bolt Stk Only	
Frames Tested without Closer reinf.	

Available Continuously Welded Only

Rough Opening = Overall Frame Size + Clearance

Non Fire Rated Only



ANCHOR OPTIONS

Masonry & Stud Type (Grout-Filled Only)

All Frames Must be Grouted Solid

STC 46 Pair - Sound Rated Doors

Proprietary Core

Threshold and All Seals Provided

14 Ga. Continuous (Full Height)
Hinge & Lock Channel Rein.

14 Ga. Top & Bottom Channels
with 16 gauge flush caps

14 Gauge Face Sheets

Non Fire Rated Only

Minimum Size 2-0 x 6-8

Maximum Size 4-0 x 8-0

Continuous or Butt Hinges
Approved (Furnished by Others)

161 Lock with 2 3/4" BS Required x
Flush Bolts on Inactive Leaf
(Furnished By Others)

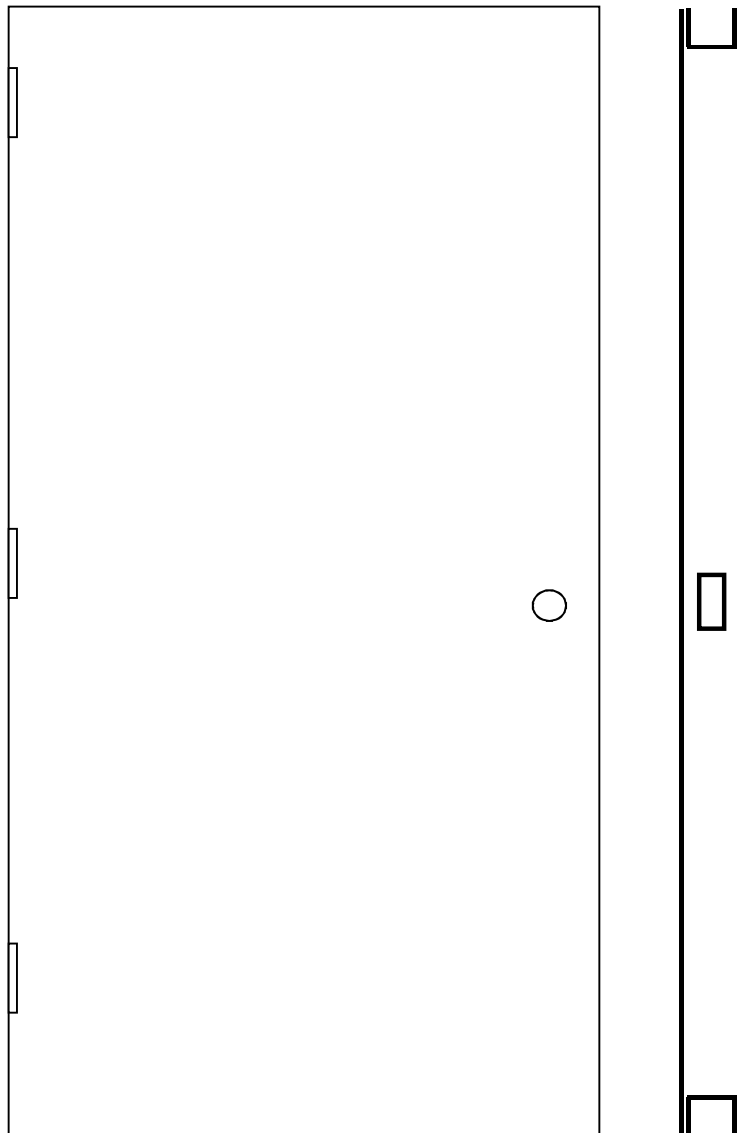
Thickness 1 3/4"

Beveled or Square Edge Construction

Welded Seamless Construction

Baked On Grey Primer

Hardware Rein: Hinge = 7 Ga.
161 Lock = 16 Ga





STC 46 Paired Opening

1-3/4" Thick Flush Pair of Doors and Frame Package

(Available 2068 to 4080 leaf size)

14 gauge "Double Rabbet" continuously welded mortar filled frame

(Frame By HMF – Mortar filled on jobsite)

14 gauge flush door with 3/8" UC (with Proprietary Core) (By HMF)

Hardware:

(2) Hager 780-224HD Continuous Hinges (TESTED) (By Others)

*4-1/2" or 5" Butt Hinges Approved

(1) Cylindrical Lock 2-3/4" BS x 4-7/8 ASA Strike (By Others)

(2) 12" Manual Flush bolts (By Others)

(1) Set Zero 770A at Head and Jambs (By HMF)

(2) Zero 367 Auto Door Bottoms (By HMF)

(1) Zero 566A 72" Threshold (By HMF)

(1) Zero 119W 72" Spring Bronze at Head (By HMF)

*Add (2) 119W at hinge jambs if butt hinges are used (By HMF)

(1) Zero 139A 84" Astragal on Inactive (By HMF)

(1) Zero 118B 84" Spring Bronze at Meeting Stile (By HMF)

(1) Zero 383A 84" Astragal on Active (By HMF)



STC 46 Sound Seal Package

Zero 770 around perimeter of opening at head and jambs. Seal mounts on top of soffit. Install 564 threshold before the 770 sound seal.

Zero 119W around perimeter of opening at head and jambs. Install in door rabbet just off the stop but not butted up against the stop. This will typically be the last item installed. **Omit 119W at hinge jambs if continuous hinges are used.**

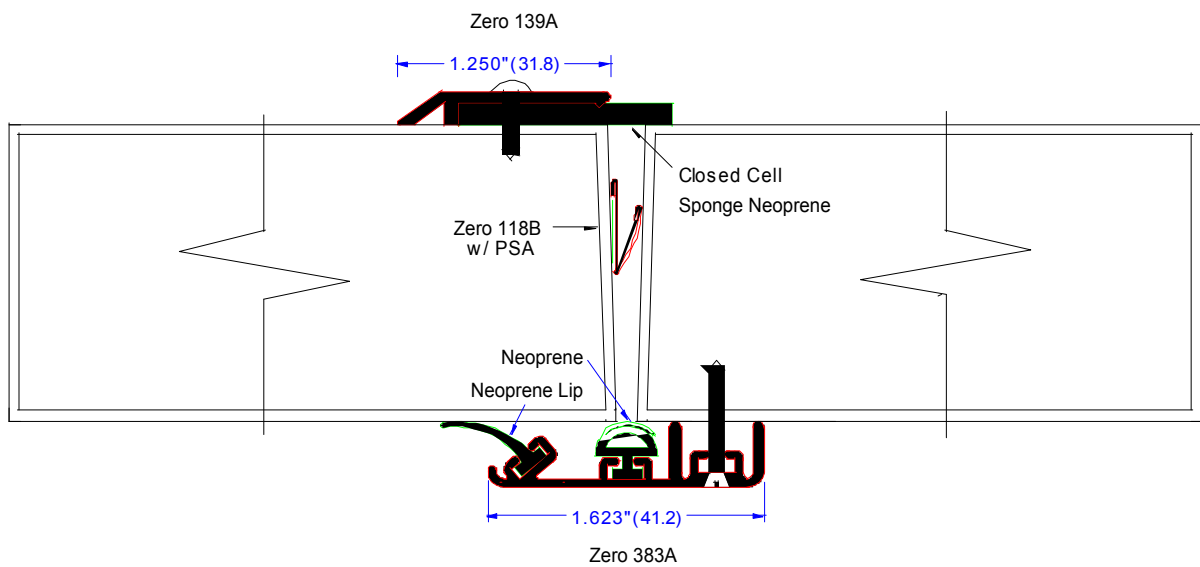
Zero 566 threshold positioned where door bottom seal makes an air tight seal at bottom of door. Threshold should be installed 1st.

Zero 367 automatic door bottom positioned at bottom of door and between 770 seal. Bottom seal should seal on top of 564 threshold.

***** Any vertically latching or locking of doors must be fit so doors have minimal play or movement. Install latching and locking devices for fit before installing perimeter seals and making final adjustments.**



STC 46 Pair - Meeting Stile Elevation



Mounting Instructions:

Zero 139A mounted on push side of inactive door. Trim to fit between head seal and automatic door bottom.

Zero 383A mounted on pull side of active door.

Zero 118B w/PSA applied to strike edge of inactive door

FIRE RATING



UL listed



10B Classified up to 45 minutes



10C Classified

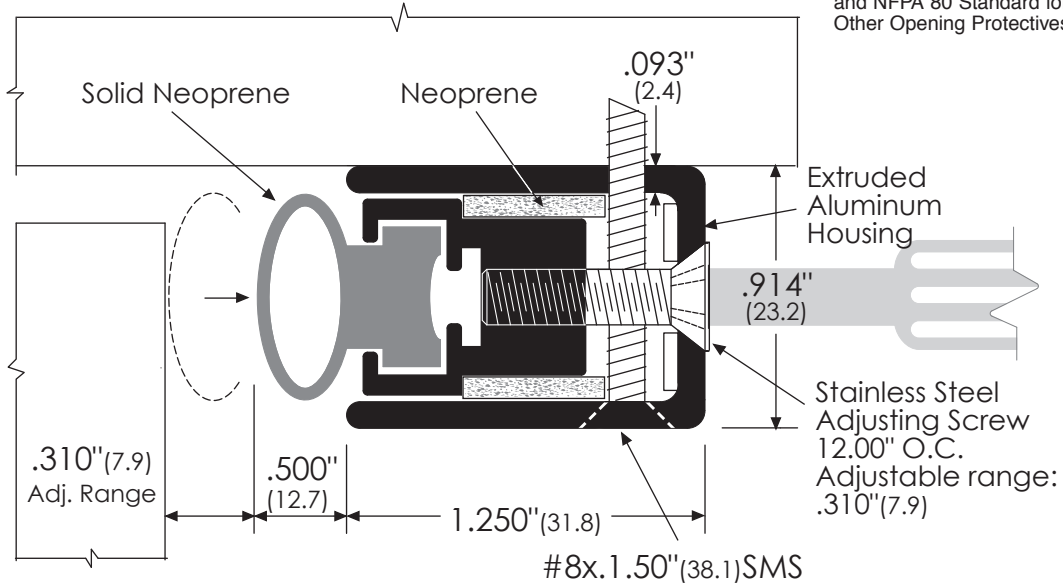


Category G Listed up to 20 minutes

SMOKE PERFORMANCE



The rubber seal in this gasket provides protection from smoke infiltration in accordance with provisions of NFPA 101 Life Safety Code and NFPA 80 Standard for Fire Doors and Other Opening Protectives



ANSI/BHMA

Legend:

AA = Clear Anodized
D = Dark Bronze Anodized

Head & Jamb

#770AA / 770D

R3B264
R3B204



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email: zero@zerointernational.com
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tel: 718.585.3230
fax: 718.292.2243

Part No:

770

Notes:

Part Description:

Adjustable Sealing System
- STC Rated

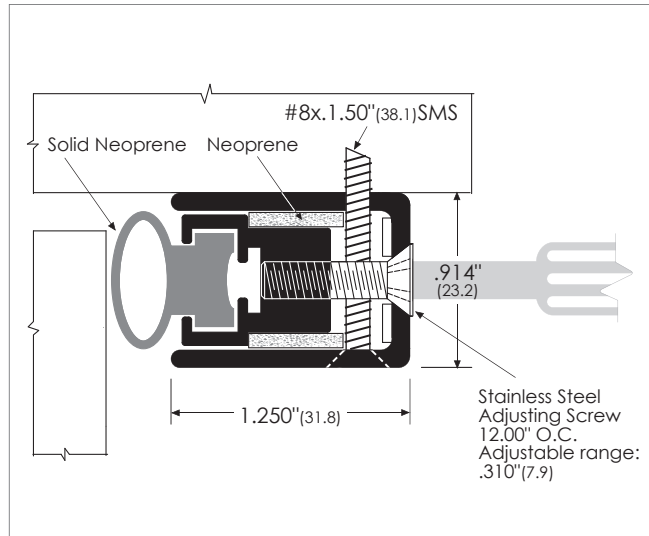
Provided By:

Customer Name:

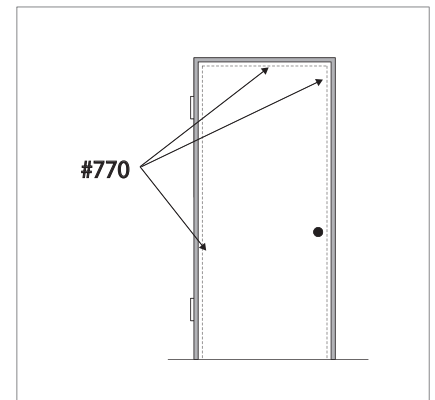
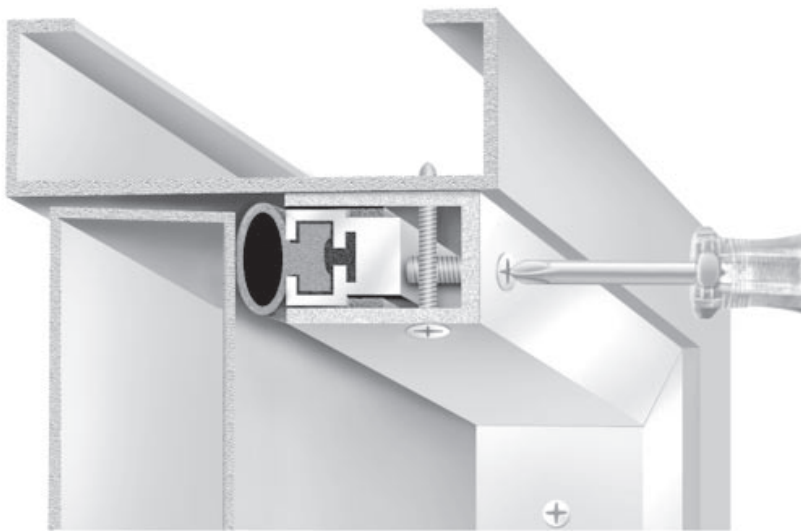
Job No:

Date:

#770 Head and Jamb Protection INSTALLATION INSTRUCTIONS



- 1 Close the door and measure the frame opening.
- 2 Install the gasketing (trim as necessary), head piece first. Place the piece against the face of door, making gentle contact between the rubber extrusion seal and the door. Fasten in place.
- 3 Place hinge side piece against the face of door, making gentle contact between the rubber extrusion seal and the door. Fasten in place. Repeat the same procedure with the lock side.
- 4 It is recommended that this gasketing product be set in a bead of caulking to ensure the integrity of the seal and prevent additional sound transmission.
- 5 Adjust the #770 with the adjustment screws as necessary for the desired seal and operation of the door.



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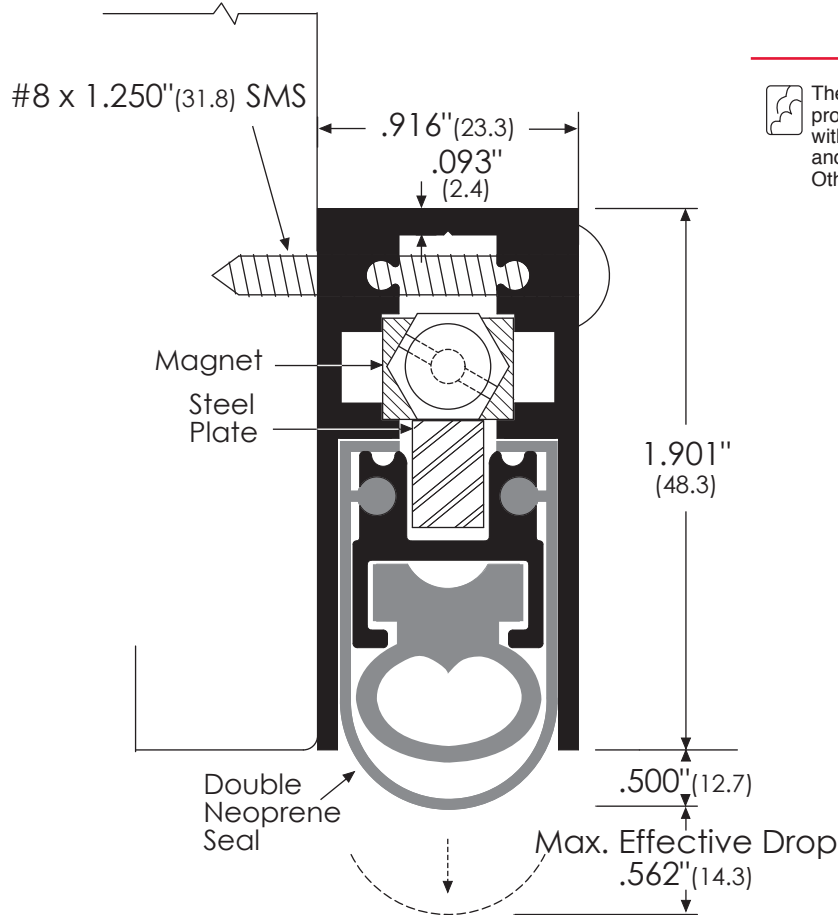
FIRE RATING

 UL listed

 10C Classified

SMOKE PERFORMANCE

 The rubber seal in this gasket provides protection from smoke infiltration in accordance with provisions of NFPA 101 Life Safety Code and NFPA 80 Standard for Fire Doors and Other Opening Protectives



Legend:

AA = Clear Anodized
D = Dark Bronze Anodized
G = Gold Anodized

ANSI/BHMA

#367AA / 367D / 367G

R3B334



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email: zero@zerointernational.com
web site: www.zerointernational.com

Part No:

367

Notes:

Part Description:

Automatic Door Bottom

- High Sound
- Surface Mounted / Heavy Duty

Provided By:

Customer Name:

Job No:

Date:

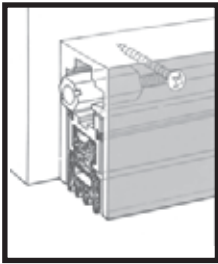
INSTALLATION INSTRUCTIONS

Automatic Door Bottoms #320, 350, 351, 352, 360, 361, 362, 364, 365, 366, 367, 368, 369

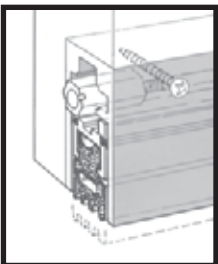
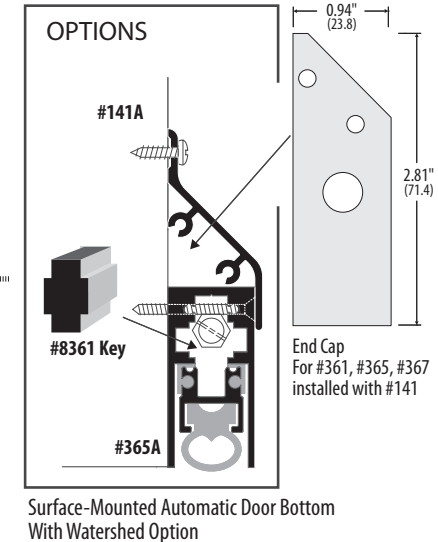
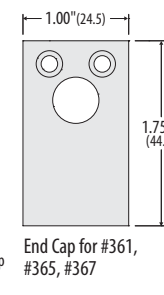
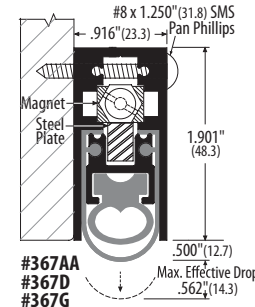
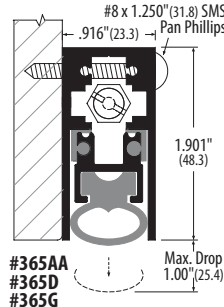
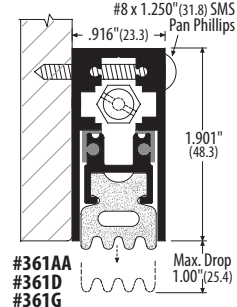
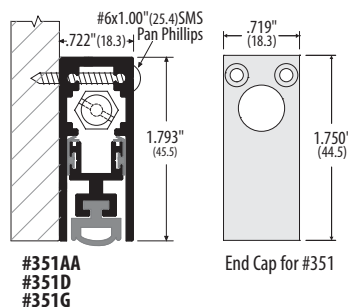
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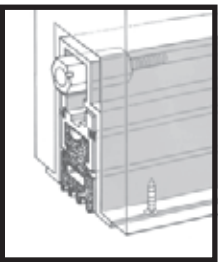
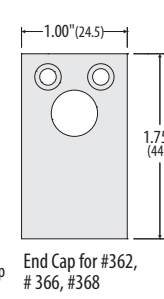
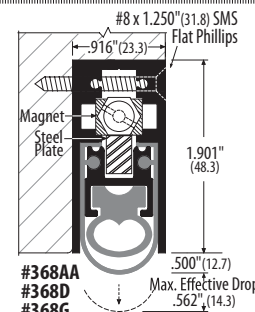
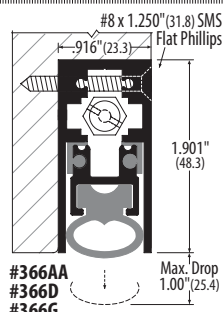
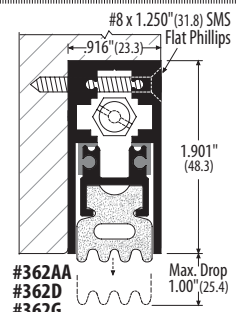
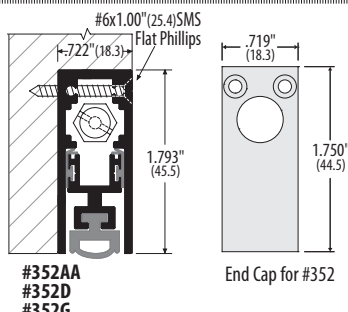
Typical Mounting of Automatic Door Bottoms



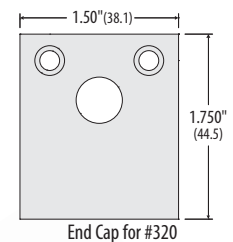
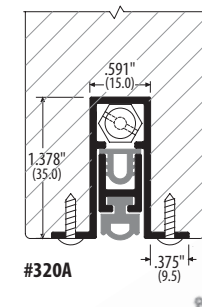
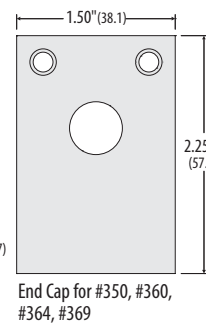
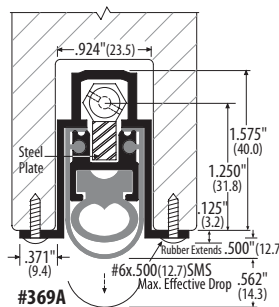
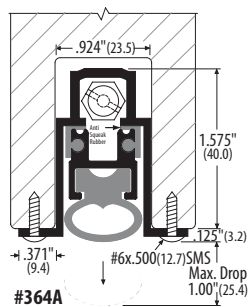
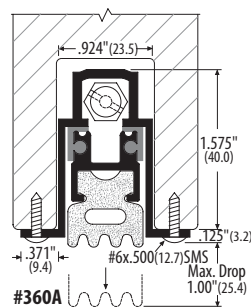
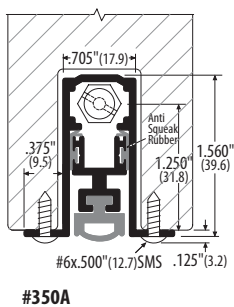
● Surface-Mounted



● Semi-Mortised



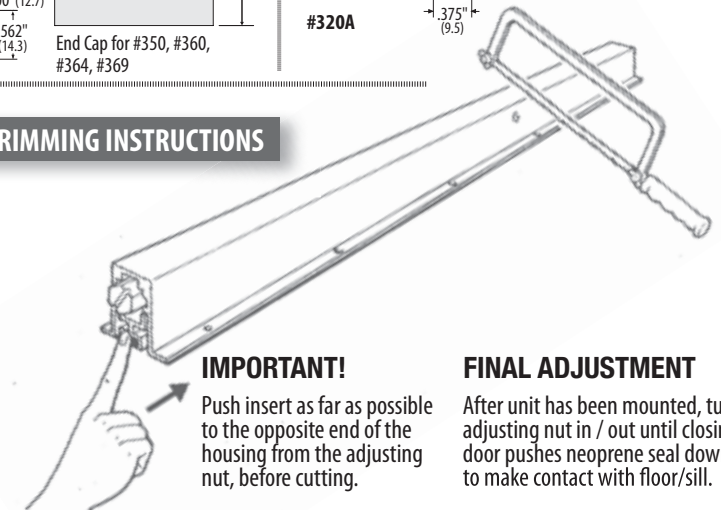
● Mortised



How To Install:

- 1 All surface and semi-mortised units must be mounted on the push side of the door stop (side where the door stop is).
- 2 The brass adjusting nut must be on the hinge side and should not be adjusted until the unit has been mounted.
- 3 Leave 1/16" (1.6) clearance on each end.
- 4 Optimum clearance between door bottom unit and floor or sill is 3/8" (9.5).

TRIMMING INSTRUCTIONS



IMPORTANT!

Push insert as far as possible to the opposite end of the housing from the adjusting nut, before cutting.

FINAL ADJUSTMENT

After unit has been mounted, turn adjusting nut in / out until closing door pushes neoprene seal down to make contact with floor/sill.

FIRE RATING

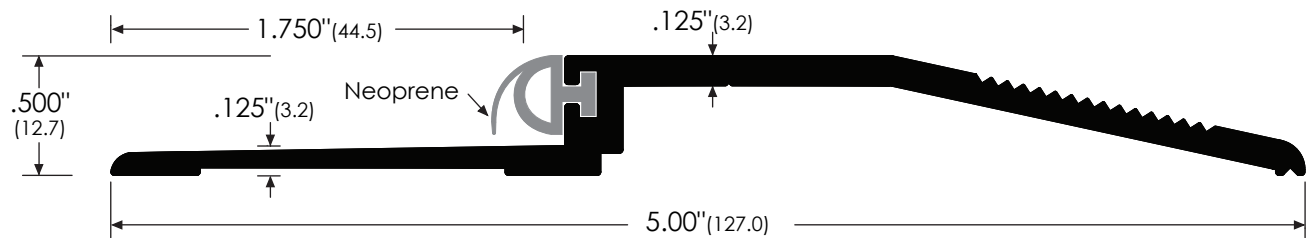
ITS Warnock Hersey listed



10C Classified

SMOKE PERFORMANCE

The rubber seal in this gasket provides protection from smoke infiltration in accordance with provisions of NFPA 101 Life Safety Code and NFPA 80 Standard for Fire Doors and Other Opening Protectives

**Legend:**

A = Aluminum
B = Bronze
E = Epoxy

ANSI/BHMA

#566A	J36100 / J36130
#566AE	J36200 / J36230
#566B	J16100 / J16130
#566BE	J16200 / J16230



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email: zero@zerointernational.com
web site: www.zerointernational.com

Part No:

566

Notes:**Part Description:**

Rabbeted Threshold

Provided By:**Customer Name:****Job No:****Date:**

Thresholds

INSTALLATION INSTRUCTIONS

- 1 Measure and cut threshold to size as required.
- 2 Notch as necessary, to suit door frame.
- 3 Caulk underneath and around edges of threshold for moisture control.
- 4 Attach threshold to floor surface with screws provided.



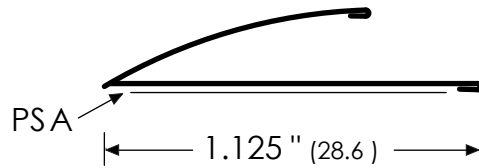
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#119WB
#119WS

34 B. & S. Gauge Spring Bronze

Legend:

B = Bronze
S = Stainless Steel

ANSI/BHMA

#119WB
#119WS

R1K155
R5K155



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Part No:
119W

Notes:

Part Description:

Door Seal

- Adhesive

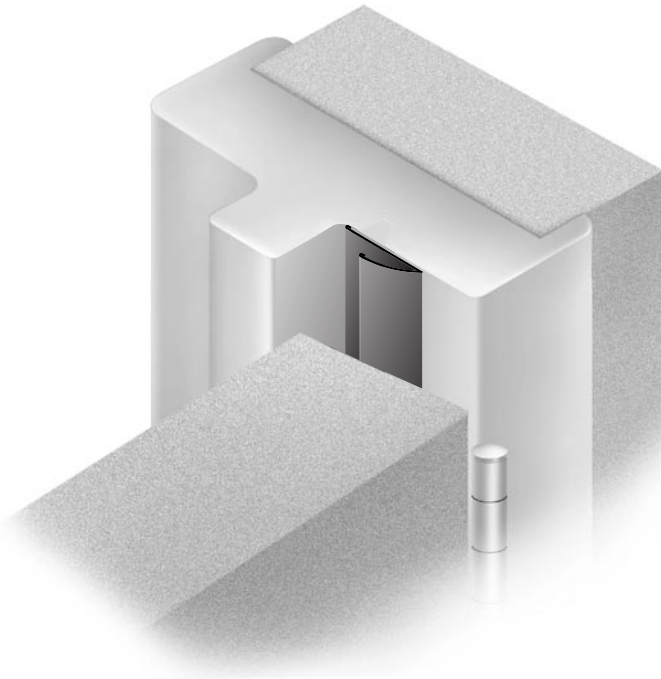
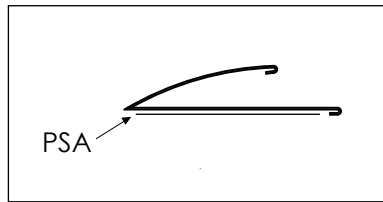
Provided By:

Customer Name:

Job No:

Date:

#119B / 119WB / 119WS Bronze Cushion Spring INSTALLATION INSTRUCTIONS

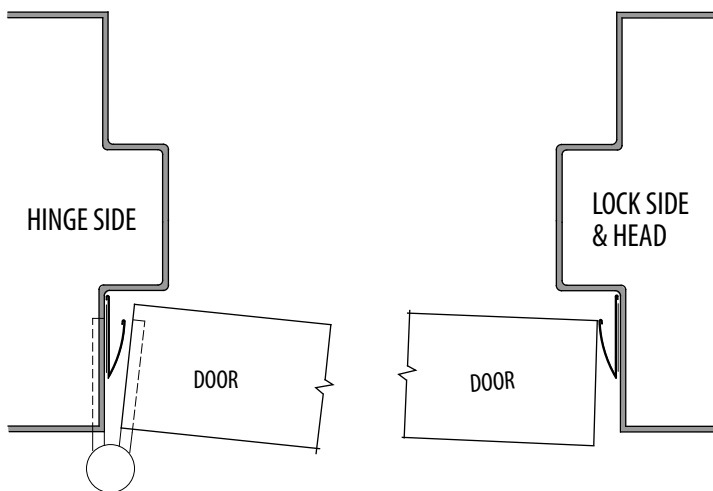


Before Installation :

- 1 Thoroughly clean the surface of the frame where gasketing is to be applied (see drawings). Use either a solvent cleaner (such as mineral spirit) or a common detergent cleaner. Make sure to check for any impediments (dust, dirt, oil, grease, loose paint, etc.) and remove them from the surface area.
- 2 Allow surface area to dry COMPLETELY before beginning installation.
- 3 Recommendation: Finish-paint doors and frames and allow the paint to dry before installing the gasketing.

How To Install :

- 1 Install the head piece first along the entire length of the head. Measure and cut the gasketing to size and place properly, referring to drawings for location on the head. Remove the paper backing from the self-adhesive strip (PSA), align on the head and press firmly into place.
- 2 Install the strike jamb gasketing next, following procedures as outlined in step 1. (Refer to drawing for placement on the strike jamb.)
- 3 Install the hinge jamb gasketing last, following procedures as outlined in step 1. (Refer to drawing for placement on the hinge jamb.)



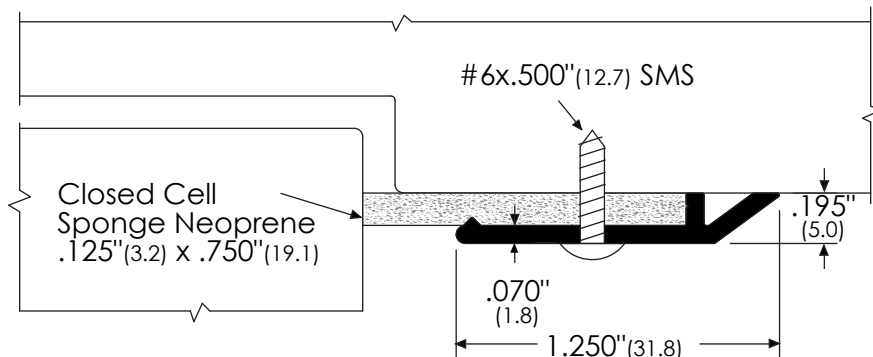
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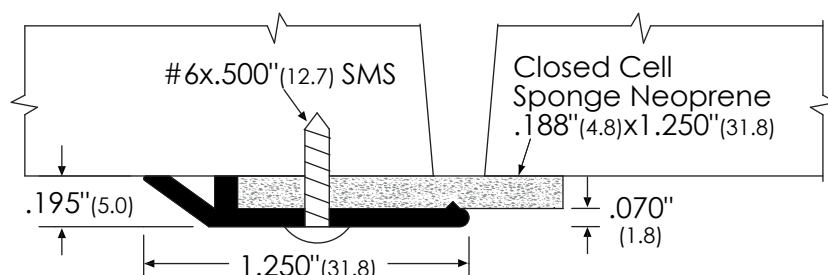
SMOKE PERFORMANCE



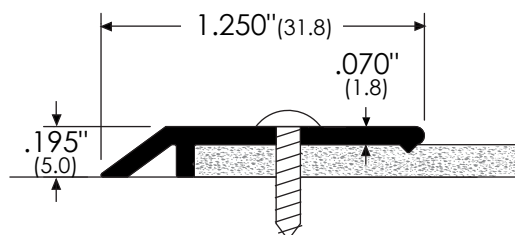
The rubber seal in this gasket provides protection from smoke infiltration in accordance with provisions of NFPA 101 Life Safety Code and NFPA 80 Standard for Fire Doors and Other Opening Protectives



Head and Jamb Protection
- Stop Applied



Surface Mounted Meeting Stile
- One Door Active



Window Protection
- Meeting Rail

Legend:

AA = Clear Anodized
D = Dark Bronze Anodized

ANSI/BHMA

Head & Jamb	#139AA / 139D	R3C164
Meeting Stiles	#139AA / 139D	R3C634



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web site: www.zerointernational.com

Part No:

139

Notes:

Part Description:

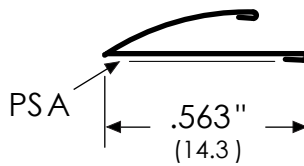
See above for options

Provided By:

Customer Name:

Job No:

Date:



#118B

34 B. & S. Gauge Spring Bronze


Legend:

B = Bronze

ANSI/BHMA

#118B

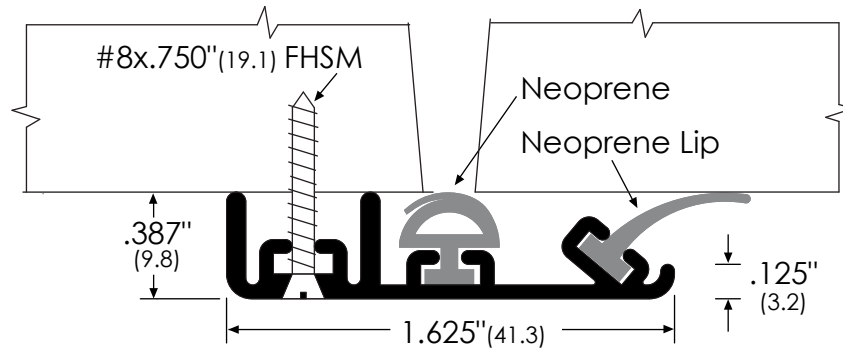
R1K156

	415 Concord Avenue tel: 718.585.3230 Bronx, NY 10455 fax: 718.292.2243 email: zero@zerointernational.com web site: www.zerointernational.com		Part No: 118	
	Notes:		Part Description: Door Seal - Adhesive	
Provided By:		Customer Name:		Job No:
				Date:

SMOKE PERFORMANCE



The rubber seal in this gasket provides protection from smoke infiltration in accordance with provisions of NFPA 101 Life Safety Code and NFPA 80 Standard for Fire Doors and Other Opening Protectives



ANSI/BHMA

Legend:

AA = Clear Anodized
D = Dark Bronze Anodized

#383AA / 383D

R3B634



415 Concord Avenue tel: 718.585.3230
Bronx, NY 10455 fax: 718.292.2243
email: zero@zerointernational.com
web site: www.zerointernational.com

Part No:

383

Notes:

Mounted to pull side of active door. Door shown is LHR active.

Part Description:

Meeting Stile
- Surface Mounted
- One Door Active

Provided By:

HMF Express LLC

Customer Name:

Job No:

Date:

8/27/10