

# Thresholds & Weatherstripping

Hager Companies offers a complete line of thresholds & weatherstripping products for virtually any type of door application. What's more, each meets or exceeds ANSI-grade quality, durability, and performance levels. For enhanced levels of safety and security, we also offer intumescent products for positive pressure solutions, including edge sealing and smoke control systems. All of which make Hager threshold, weatherstripping, and door bottom products an excellent choice for standard or custom applications in schools, hospitals, office buildings, and more.

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## General Information

### PRODUCT PRESENTATION

Dimensions on stainless steel extrusions may differ slightly than those detailed. Questions regarding any dimensions should be directed to Hager Companies Customer Service.

Drawings or illustrations used in the catalog are subject to change without notice. Questions on any dimensions should be obtained by contacting Hager Companies Customer Service.

### FABRICATION OPTIONS

- Bevel one edge of threshold
- Rip one edge width of threshold
- L-notch both ends of threshold
- U-notch both ends of threshold
- Tack weld one line of threshold
- Pan for water return of threshold

### MATERIALS & FINISHES

#### Metals

All aluminum extrusions are of alloy 6063-T5.

For stock finishes, refer to the code listed below each individual item throughout the catalog. Please inquire for the availability on nonstock finishes.

**MIL** - mill finish aluminum

**CAL** - cast aluminum

**GYP** - primed steel grey

**DBA** - dark bronze anodized aluminum

**BLA** - black anodized aluminum

**32D** - stainless steel (non-extruded)

**CLR** - clear anodized aluminum

**WHP** - white paint on aluminum

**USP** - prime coat

### Gaskets

Gasketing is available in a wide variety of materials. Vinyl is an economical choice and remains flexible down to -40°F (-40°C). EPDM gasketing is supplied both as a solid (dense) and as a closed cell sponge with a tough outer skin. It remains flexible down to -50°F (-49°C). Silicone gasketing provides the best resistance to cold by remaining flexible down to -70°F (-57°C). Refer to the price book for a list of available replacement gaskets. Gasketing codes are listed below.

**B** - nylon brush

**N** - neoprene

**S** - silicone

**V** - vinyl

**W** - pile (thread may be removed to allow expansion)

### ORDERING INFORMATION

When ordering, please specify by product number, length, quantity, finish and fasteners required. Thresholds & weatherstripping are fabricated in standard sizes with 1/2" (12.7 mm) extra on thresholds 48" (1219.2 mm) and under. Anodized thresholds are fabricated in standard sizes with 1/4" (6.35 mm) extra on thresholds 48" (1219.2 mm) and under. Thresholds over 48" (1219.2 mm) are supplied with 1" (25 mm) extra length for fitting. Anodized thresholds over 48" (1219.2 mm) are fabricated in standard sizes with 3/4" (19.05 mm) extra length for fitting. All thresholds to be ordered in 4" increments.

Example: 891S\_V\_36 x 84\_MIL

Item #	Gasketing	Size
516S	W-pile	36" (914 mm)
520S	V-vinyl	48" (1219 mm)
750S	S-silicone	36" (914 mm)
870S	N-neoprene	36" x 84" (914 mm x 2133 mm)
882S	B-nylon Brush	48" x 96" (1216 mm x 2438 mm)

#### Finish

**MIL** - mill finish aluminum

**DBA** - dark bronze anodized aluminum

**32D** - matte stainless steel

**CLR** - clear anodized aluminum

**OOO** - gasket only

## General Information

### FASTENERS

#### Standard

All products are furnished with appropriate fasteners as listed, except where noted. Most thresholds are furnished with mounting holes and #10 x 1-1/2" flat head sheet metal screws. Most weatherstripping products are furnished with slotted holes and #6 x 5/8" pan head sheet metal screws.

#### Optional

##### Thresholds

- #10 wood screws and plastic anchors
- #10 wood screws and lead anchors
- #10 machine screws and lead anchors
- #10 stainless steel wood screws
- #10 stainless steel wood screws and plastic anchors
- #10 stainless steel wood and lead anchors
- 1/4-20 stainless steel machine screws and lead anchors
- 1/4-20 machine screws and lead anchors
- 1/4-20 x 2" flat head sleeve anchor
- #10 torx sheet metal screws
- #10-24 x 1-1/2" stainless steel torx machine screw with lead anchor
- #10-stainless steel spanner head wood screw with lead anchor
- Cast-on anchors (cast products only)
- Tap-con type (1/4" x 1-3/4")

##### Weatherstripping

- #6 x 5/8" pan-head stainless steel screws
- #6 x 5/8" self-drilling (TEK) screws (Steel-zinc plated)
- #6 x 5/8" pan-head torx sheet metal screws
- #6 x 5/8" stainless steel self-drilling (TEK) screws
- 1/4 - 20 x 1-1/4" sex bolts

### GENERAL INSTALLATION INSTRUCTIONS FOR PRESS-ON PRODUCTS:

- Product returnable within first 6 months after purchase date
- Installation should take place after construction has been completed, and final cleaning has taken place
- The frame should be cleaned; isopropyl alcohol is recommended
- Not recommended for unsealed or porous applications
- Do not store these products in extreme heat/cold or for prolonged periods of time

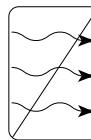
### CERTIFICATIONS



#### Handicap Accessibility

Products denoted by this symbol are designed for applications where handicap accessibility is specified. These products are no greater than 1/2" (12.7 mm) in height and have no more than 1/4" (6.3 mm) vertical rise or with slope proportions no greater than 1:2 slope. Offset floor conditions greater than 1/2" (12.7 mm) require a 1:12 slope.

#### Air Infiltration



Products denoted by this symbol have been tested with air/smoke infiltration, all within the (0.500 cfm/sq. ft. for double doors and .300 cfm for single doors) maximum allowable leakage at a pressure of a 25 mph wind (1.56 psf). The tests were conducted in accordance with ASTM test procedures and meet ASTM: E283.

#### Sound Tested



Products denoted by this symbol have been sound tested and received the appropriate STC rating. The tests were conducted in accordance with ASTM test procedures and meet ASTM: E90 & ASTM: E413.

STC Rating Static Door	STC Rating Operable Door	Perimeter Seal	Door Bottom	Corner Pad	Threshold
49	41	737 & 866S	743S	709	417S
49	37	738 & 737	743S	709	417S
44	40	726	743S		520S
42	40	738 & 737	774S	709	417S
42	40	737 & 866S	774S	709	417S
41	39	726(2)	743S		520S
36	35	738 & 737	774S	709	417S
36	35	726 & 736	774S	709	417S



#### BHMA Certified

BHMA Certification Program was developed as a means for manufacturers of builders hardware to indicate compliance with American National Standards sponsored by BHMA. Participating manufacturers certify compliance with the standards based on a continuing program of passing the prescribed tests.

## General Information



### Underwriter's Laboratories

Products denoted by this symbol are classified and labeled by Underwriter's Laboratories, Inc.® as gasket material for use on listed steel frames and/or classified swinging type fire doors of the hollow metal or steel covered composite type rated up to 3 hours, or wood core fire doors rated up to 1-1/2 hours. Test results show these products do not adversely affect the fire resistance of the door or frame according to its UL rating. All products are regularly checked under a labeling and listing service. The clearance between the door and the frame and between the meeting edges of doors swinging in pairs shall be 1/8" + 1/16" (3.18 mm + 1.59 mm) for steel doors and shall not exceed 1/8" (3.2 mm) for wood doors.

- UL 10C (Positive Pressure) complies with IBC, NFPA 80 and NFPA 252 for hollow metal fire doors rated up to 3 hours and wood fire doors rated up to 90 minutes.
- UL 10B complies with NFPA 80 and NFPA 252 for hollow metal fire doors rated up to 3 hours and wood fire doors rated up to 90 minutes.

Notes: Ratings on some items may vary and are noted on the individual products. For a more complete look at classifications on individual products, please visit [www.ul.com/database](http://www.ul.com/database) and reference R13647.

### THE INTERNATIONAL BUILDING CODE (IBC)

The International Building Code (IBC) requires swinging fire doors to be tested in accordance with ANSI/UL 10C or NFPA 252, with the neutral pressure level established at 40 inches or less above the sill. This causes "positive pressure" forces against the door assembly above 40 inches.

The result is hot gases and smoke leak out between the door and frame above this level, posing a serious threat to lifesafety; and on wood doors rapidly deteriorating the integrity of the door edges, requiring either a built-in or supplemental "edge sealing system" to pass the test.

Fire door assemblies in corridors and smoke barrier walls are required to be smoke and draft control assemblies tested in accordance with UL1784 allowing a maximum air leakage of 3 cubic feet per minute per square foot of door opening at ambient temperature (75°F) and elevated temperature (400°F). These assemblies require the letter "S" on the fire rating label of the door indicating compliance "when listed or labeled gasketing is also installed."



Fire doors are classified based upon their construction and edge sealing system requirements. Fire-rated gasketing is classified as follows:

Category G - Edge-sealing system

Category H - Smoke and draft control gasketing

Category J - Gaskets other than category G or H

### Fire Test - Category G

Gaskets that are edge-sealing systems. Category "G" - edge sealing systems are for use with fire doors requiring an edge seal to meet positive pressure code requirements. These systems are surface-applied to either the perimeter of the door frame or meeting edges of door pairs. Category "G" gaskets are usually intumescent material; this material will swell many times its original size during a fire and help contain the spread of fire by sealing the edges of the door.

### Fire Test - Category J

Products that are positive pressure tested to determine that they do not contribute to flaming during a fire; they do not provide an edge-sealing system. Examples are gaskets used for sound, draft control or automatic door bottoms.

### Smoke and Draft Control Test - Category H

This is a separate second test that does not involve fire. All gaskets being tested for smoke must initially be fire tested under the requirements of UL 10C and receive a category "G" or "J" rating before being smoke tested.

Below are some key phrases that indicate positive pressure requirements:

- IBC 2003 (and later) - International Building Code
- UL 10-C - Positive Pressure Fire Test
- ASTME-2074-00 - Fire Test of Door Assemblies
- Shall meet positive pressure requirements
- Intumescent seals - imply positive pressure

The [www.iccsafe.org](http://www.iccsafe.org) web site of the International Code Council (ICC) has a map of code adoption by state. This site is frequently updated and by clicking on a state, you can see what codes they have adopted.

## General Information

**New and existing fire doors are classified/labeled by one of the following designation systems:**



Hourly rating designation



Alphabetical letter designation



A combination of both

### Common Applications for Hager Positive Pressure Edge Sealing & Smoke Seal Systems



Wall Rating	Door and Frame Rating	Door Application and Use	Door Types	Fire Doors Edge Sealing System	Smoke Doors "S" Label Smoke Seal	Fire & Smoke Doors Combination Seal
4 Hr.	3 Hour (A Label) 180 Minute	Openings in fire walls and walls that divide a single building into fire areas	Hollow Metal Hollow Metal	Pairs Singles	— — 721, 726, 736, 737 721, 726, 736, 737	— — 721, 726, 736, 737 721, 726, 736, 737



2 Hr.	1½ Hour (B Label) 90 minute	Openings to stairwells and elevator shafts; vertical communication or egress through a building, including 2-hr. rated partitions providing horizontal fire separations	Wood Composite Hollow Metal Wood Composite Hollow Metal	Pairs Pairs Singles Singles	724, 729 — 724, 729 — 721, 726, 736, 737 721, 726, 736, 737 721, 726, 736, 737 721, 726, 736, 737	721, 726, 736, 737 721, 726, 736, 737 721, 726, 736, 737 721, 726, 736, 737	720, 722 — 720, 722 —
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2 Hr.	1½ Hour (D Label) 90 minute	Opening where there is a chance of severe fire exposure from the exterior of the building	Hollow Metal Hollow Metal	Pairs Singles	— — 721, 726, 736, 737 721, 726, 736, 737	721, 726, 736, 737 721, 726, 736, 737	— —
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1 Hr.	*1 Hour (B Label) 60 Minutes	Doors that divide occupancies in a building (building less than 4 stories tall)	Wood Wood	Pairs Singles	724, 729 724, 729	721, 726, 736, 737 721, 726, 736, 737	720, 722 720, 722
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\*Currently rating only applies to wood doors.



1 Hr.	¾ Hour (E Label) 45 Minute	Opening in an exterior wall with the potential to be exposed to moderate to light fire from the outside of the building	Hollow Metal Hollow Metal	Pairs Singles	— — 721, 726, 736, 737 721, 726, 736, 737	721, 726, 736, 737 721, 726, 736, 737	— —
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1 Hr.	¾ Hour (C Label) 45 Minute	Openings in walls or partitions between rooms and corridors	Wood Composite Wood Composite	Pairs Singles	724, 729 724, 729	721, 726, 736, 737 721, 726, 736, 737	720, 722 720, 722
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1 Hr.	*½ Hour 20 Minute	Openings in corridors where smoke and draft control is required *Does not have letter designation	Wood/Particle Core Wood/Particle Core	Pairs Singles	724, 729 724, 729	721, 726, 736, 737 721, 726, 736, 737	720, 722 720, 722
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\*All of the labels listed above have the capability of being both fire and smoke barrier openings. However, not all openings require a smoke label.

Openings requiring smoke labels are detailed either by the fire authority having jurisdiction, local code, NFPA 101 or NFPA 5000.

## Thresholds - Saddle

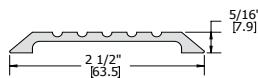
To effectively seal out the elements, use in conjunction with a door bottom, sweep, shoe, or bumper strip.

Fasteners: #10 x 1-1/2" sheet metal screws, other screw types and anchors available upon request

Notes:

- MIL finish thresholds are supplied with zinc plated screws
- Color anodized thresholds are supplied with screws plated to match
- Stainless steel thresholds are supplied with stainless steel screws

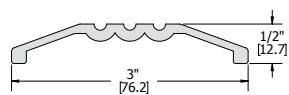
### 401S



Finishes: MIL, DBA, BLA

Certifications:  **BHMA CERTIFIED**

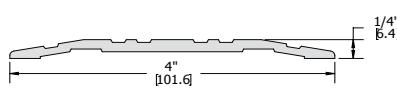
### 402S



Finishes: MIL, DBA, BLA

Certifications: 

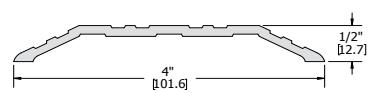
### 403S



Finishes: MIL, DBA, BLA

Certifications:  **BHMA CERTIFIED**

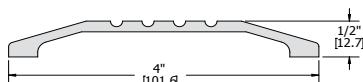
### 404S



Finishes: MIL, DBA, BLA

Certifications:  **BHMA CERTIFIED**

### 410S

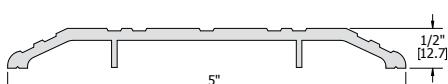


Finishes:

Certifications:



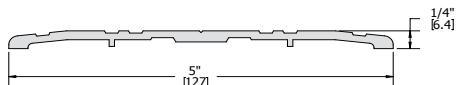
### 412S



Finishes: MIL, DBA, BLA

Certifications:  **BHMA CERTIFIED**

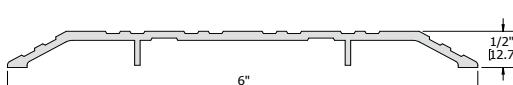
### 413S



Finishes: MIL, DBA, BLA

Certifications:  **BHMA CERTIFIED**

### 415S

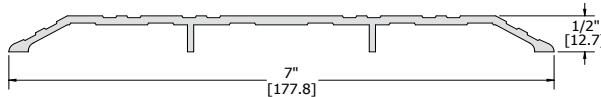


Finishes: MIL, DBA, BLA

Certifications:  **BHMA CERTIFIED**

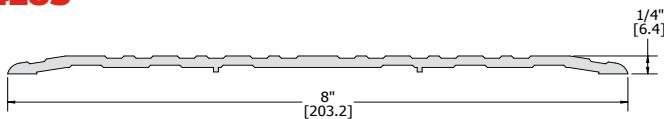
## Thresholds - Saddle

### 416S



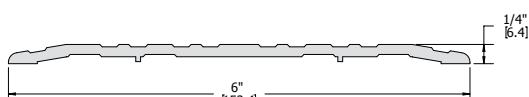
Finishes: MIL, DBA, BLA  
 Certifications:   **BHMA CERTIFIED.**

### 428S



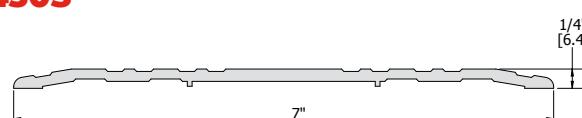
Finishes: MIL, DBA, BLA  
 Certifications:   **BHMA CERTIFIED.**

### 417S



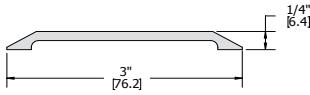
Finishes: MIL, DBA, BLA  
 Certifications:   **BHMA CERTIFIED.** 

### 430S



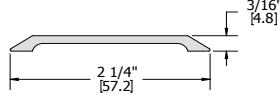
Finishes: MIL, DBA, BLA  
 Certifications:   **BHMA CERTIFIED.**

### 418S



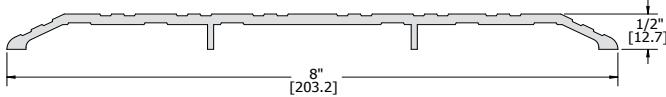
Finishes: MIL, DBA, BLA  
 Certifications:   **BHMA CERTIFIED.**

### 436S



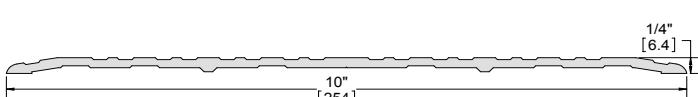
Finishes: MIL, DBA, BLA  
 Certifications:  

### 426S



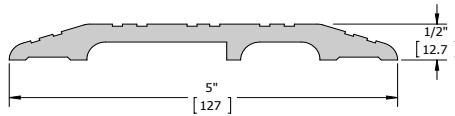
Finishes: MIL, DBA, BLA  
 Certifications:   **BHMA CERTIFIED.**

### 448S



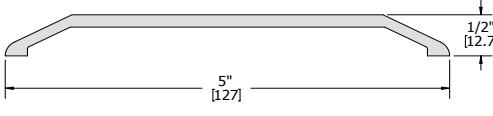
Finishes: MIL, DBA, BLA  
 Certifications:  

### 427S



Finishes: MIL, DBA, BLA  
 Certifications:  

### 492S



Finishes: MIL, DBA, BLA  
 Certifications:  

## Thresholds - Thermal Barrier Saddle

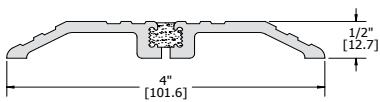
High strength thermal barrier is permanently bonded in place to block the transfer of heat or cold. To provide a seal, use in conjunction with a door bottom, sweep, shoe or bumper strip.

Fasteners: #10 x 1-1/2" sheet metal screws, other screw types and anchors available upon request

Notes:

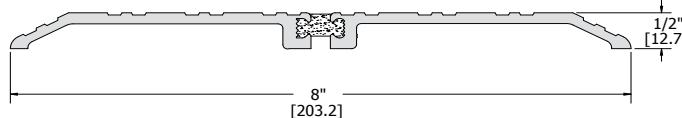
- MIL finish thresholds are supplied with zinc plated screws
- Color anodized thresholds are supplied with screws plated to match

### 420S



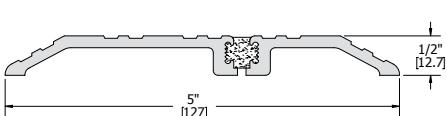
Finishes: MIL  
 Certifications:  

### 424S



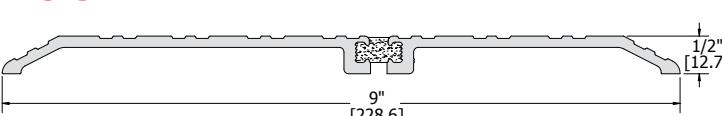
Finishes: MIL  
 Certifications:  

### 421S



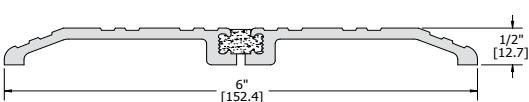
Finishes: MIL  
 Certifications:  

### 451S



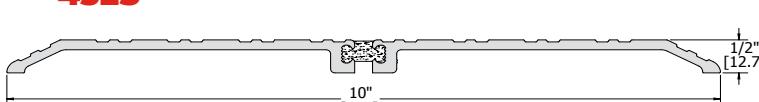
Finishes: MIL  
 Certifications:  

### 422S



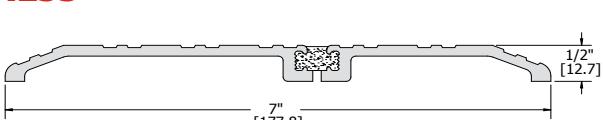
Finishes: MIL  
 Certifications:   

### 452S



Finishes: MIL  
 Certifications:  

### 423S



Finishes: MIL  
 Certifications:  

## Thresholds - Half Saddle

Fasteners: #10 x 1-1/2" sheet metal screws, other screw types and anchors available upon request

Notes:

- MIL finish thresholds are supplied with zinc plated screws
- Color anodized thresholds are supplied with screws plated to match

### 406S



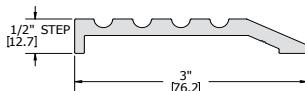
Finishes: MIL, DBA, BLA

Certifications:



cULus LISTED

### 433S

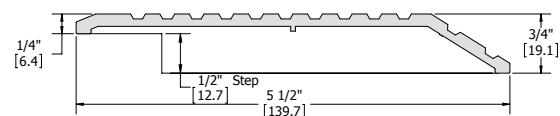


Finishes: MIL, DBA, BLA

Certifications:



### 407S



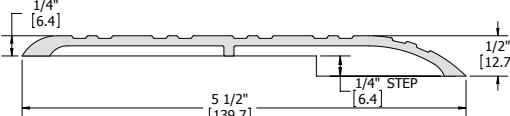
Finishes: MIL, DBA, BLA

Certifications:



cULus LISTED

### 438S

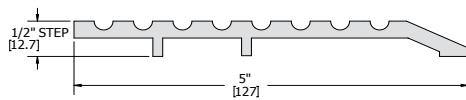


Finishes: MIL, DBA, BLA

Certifications:



### 431S

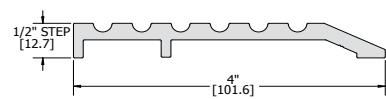


Finishes: MIL, DBA, BLA

Certifications:



### 432S



Finishes: MIL, DBA, BLA

Certifications:

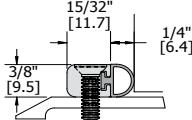


## Thresholds - Elevator and Bumper Strips

Use in conjunction with a threshold

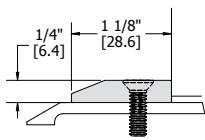
Fasteners: #10 - 24 x 5/8" flat head self-tapping screws to attach bumper strip directly to an existing threshold

### 481S



Finishes: MIL, DBA, BLA  
 Insert: V, N, S, W  
 Certifications: 

### 484S



Finishes: MIL, DBA, BLA  
 Certifications:  

## Thresholds - Residential

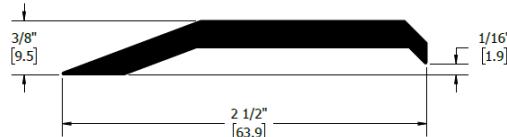
## Thresholds - Carpet

Fasteners: #10 x 1-1/2" sheet metal screws, other screw types and anchors available upon request

Notes:

- MIL finish thresholds are supplied with zinc plated screws
- Color anodized thresholds are supplied with screws plated to match

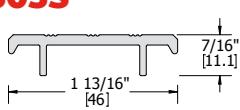
### 504S



Finishes: MIL, DBA, BLA



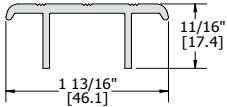
### 505S



Finishes: MIL, DBA, BLA



### 508S



Finishes: MIL, DBA, BLA



## Thresholds - Bumper

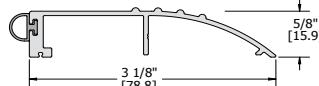
For use with outswinging doors to seal out the elements

Fasteners: #10 x 1-1/2" sheet metal screws, other screw types and anchors available upon request

Notes:

- MIL finish thresholds are supplied with zinc plated screws
- Color anodized thresholds are supplied with screws plated to match

### 434S



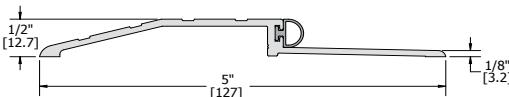
Finishes: MIL, DBA, BLA

Insert: V, N, S, W

Certifications:



### 477S



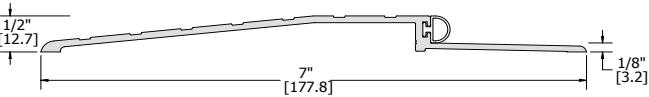
Finishes: MIL, DBA, BLA

Insert: V, N, S, W

Certifications:



### 478S



Finishes: MIL, DBA, BLA

Insert: V, N, S, W

Certifications:



## Thresholds - ADA Ramps

Ramp threshold that provides a 1:12 slope to meet the requirements of the Americans With Disabilities Act

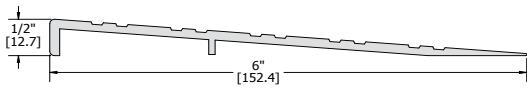
Order: To create a ramp that is a combination of the 442S and 443S, order 444S

Fasteners: #10 x 1-1/2" Flat head wood screws

Notes:

- MIL finish thresholds are supplied with zinc plated screws
- Color anodized thresholds are supplied with screws plated to match

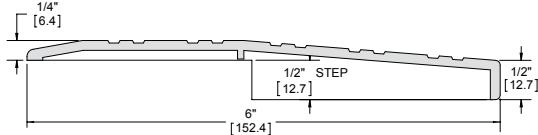
### 442S



Finishes: MIL, DBA, BLA



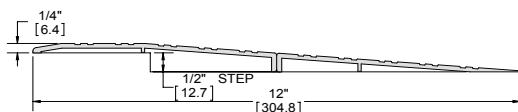
### 443S



Finishes: MIL, DBA, BLA



### 444S



Finishes: MIL, DBA, BLA



## Thresholds - Floor Plate Assembly

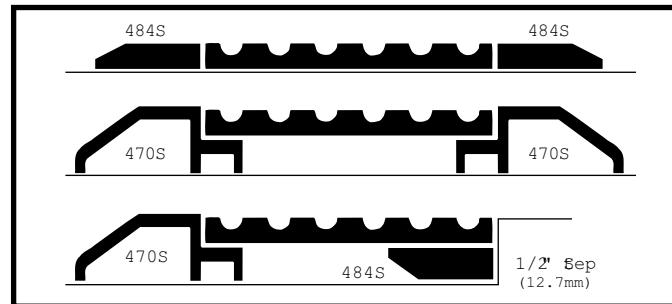
Floor plate components for modular threshold system. Used primarily for extra wide door frames or to cover expansion joints or floor joists

Fasteners: Plates and plate supports are furnished without holes and fasteners unless specified

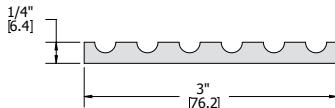
Notes:

- Beveled Edges are available
- Plates may be used fluted or smooth side up

### Typical Applications



### 445S

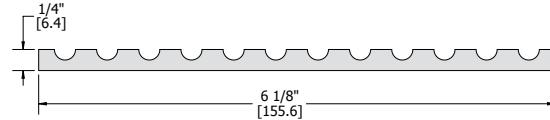


Finishes: MIL, DBA, BLA



## Thresholds - Floor Plate Assembly

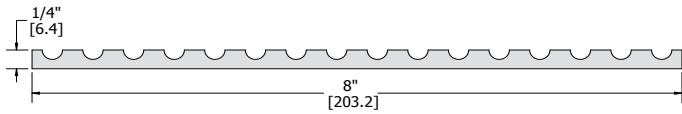
### 460S



Finishes: MIL, DBA, BLA  
 Certifications:



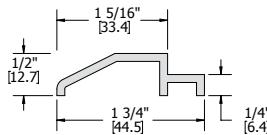
### 465S



Finishes: MIL, DBA, BLA  
 Certifications:



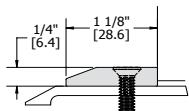
### 470S



Finishes: MIL, DBA, BLA  
 Certifications:



### 484S



Finishes: MIL, DBA, BLA  
 Certifications:



## Thresholds - Panic

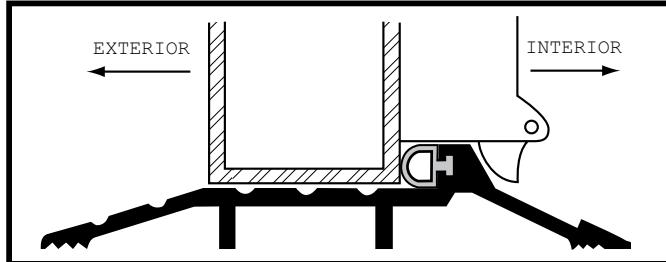
Use in conjunction with surface applied vertical rod exit device of the Americans With Disabilities Act

Fasteners: #10 x 1-1/2" flat head sheet metal screws, other screw types and anchors available upon request

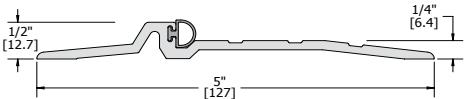
Notes:

- MIL finish thresholds are supplied with zinc plated screws
- Color anodized thresholds are supplied with screws plated to match
- Special under cuts may be required

### Typical Applications



### 520S



Finishes: MIL, DBA, BLA

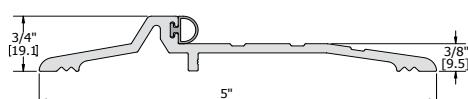
Inserts: V, N, S, W

Door Undercut: Allow 3/8"

Certifications:



### 552S



Finishes: MIL, DBA, BLA

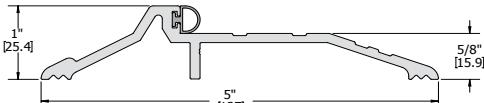
Inserts: V, N, S, W

Door Undercut: Allow 1/2"

Certifications:



### 532S



Finishes: MIL, DBA, BLA

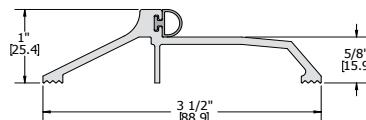
Inserts: V, N, S, W

Door Undercut: Allow 3/4"

Certifications:



### 560S



Finishes: MIL, DBA, BLA

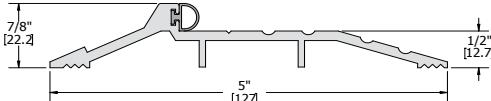
Inserts: V, N, S, W

Door Undercut: Allow 3/4"

Certifications:



### 541S



Finishes: MIL, DBA, BLA

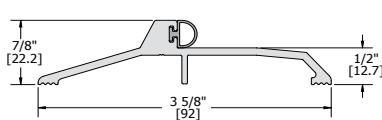
Inserts: V, N, S, W

Door Undercut: Allow 5/8"

Certifications:



### 565S



Finishes: MIL, DBA, BLA

Inserts: V, N, S, W

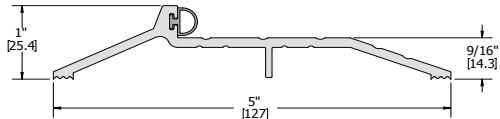
Door Undercut: Allow 5/8"

Certifications:



## Thresholds - Panic

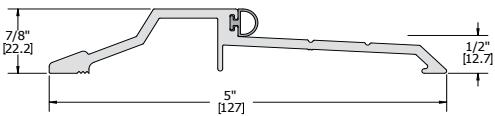
### 575S



Finishes: MIL, DBA, BLA  
 Inserts: V, N, S, W  
 Door Undercut: Allow 11/16"  
 Certifications:



### 580S



Finishes: MIL, DBA, BLA  
 Inserts: V, N, S, W  
 Door Undercut: Allow 5/8"  
 Certifications:



## Thresholds - Thermal Barrier Panic

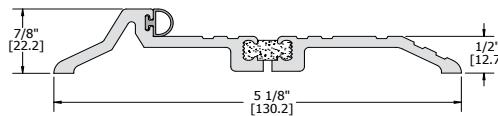
Threshold for latching panic devices that have a thermal barrier permanently bonded in place to effectively block the transfer of heat or cold. Use in conjunction with surface applied vertical rod and latching exit/panic devices. Threshold has a thermal barrier permanently bonded in place to effectively block the transfer of heat or cold.

Fasteners: #10 x 1-1/2" Flat head sheet metal screws, other screw types and anchors available upon request

Notes:

- MIL finish thresholds are supplied with zinc plated screws
- Color anodized thresholds are supplied with screws plated to match

### 516S



Finishes: MIL  
 Inserts: V, N, S, W  
 Certifications:



## Thresholds - Abrasive Cast Aluminum

A heavy duty aluminum threshold with silicon carbide granules integrally cast into the surface. Ideal for high traffic areas where maximum durability is required. The abrasive, skid resistant surface works well under wet, dry or oily conditions.

Fasteners: #1/4" flat head zinc plated sheet metal screws with lead anchor

Options: Cast-on anchors available upon request

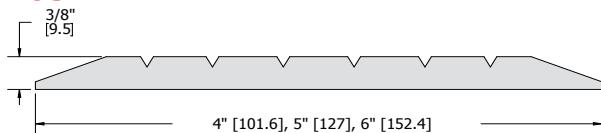
Notes: • Furnished with countersunk holes

- Cut with a reinforced abrasive plain surface disk, 1/8" thick, either aluminum oxide or silicon carbide

- Maximum length available is 8 feet, not available for floor closers

- Available in 4", 5" and 6" widths

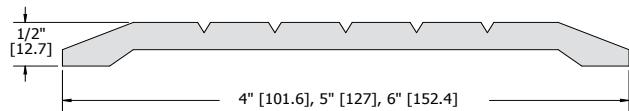
### 626S



Finishes: CAL, BLA



### 627S



Finishes: CAL, BLA



## Thresholds - Floor Closer

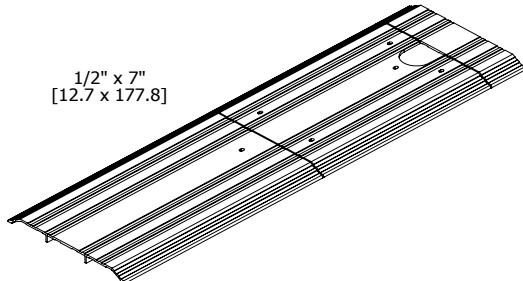
Used with floor closers on center or offset hung door applications.

Fasteners: #10 x 1-1/2" Flat head sheet metal screws, other screw types and anchors available upon request

Notes:

- MIL finish thresholds are supplied with zinc plated screws
- Color anodized thresholds are supplied with screws plated to match
- Thresholds are supplied with the 701S J-Hook
- Metal doors must have flush bottom for proper J-hook installation

### 651S



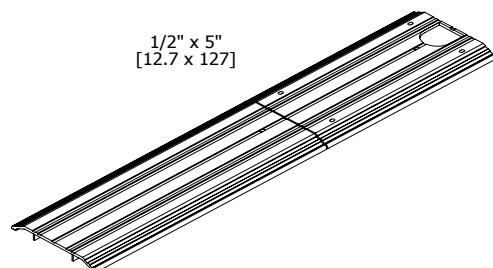
Finishes: MIL, DBA, BLA

Certifications:   **BHMA CERTIFIED.**

Notes:

- Center hung
- Without mitered ends

### 652S



Finishes: MIL, DBA, BLA

Certifications:   **BHMA CERTIFIED.**

Notes:

- Center hung
- Without mitered ends

## Thresholds - Cover Plates and Vinyl Thresholds

Cover Plates are used primarily to cover expansion joints and for situations requiring extra width or strength. Manufactured from solid cold rolled aluminum for extra durability.

Fasteners: Furnished without holes and fasteners unless specified

Notes:

- Available to 96" in length
- Furnished with both edges beveled

### 676S



Finishes: MIL, BLA



Certifications:

### 677S



Finishes: MIL, BLA

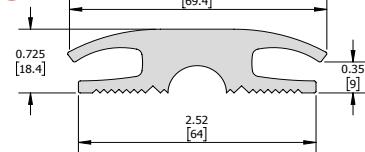


Certifications:

### Vinyl Thresholds

Transition between different floor types.

### 900S



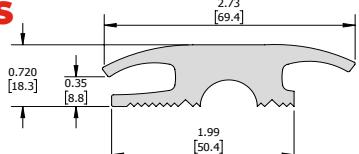
Finishes: Black



Certifications:

Notes: Transition between carpet to carpet applications

### 901S



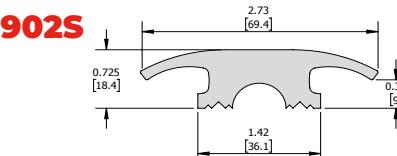
Finishes: Black



Certifications:

Notes: Transition between carpet to tile applications

### 902S



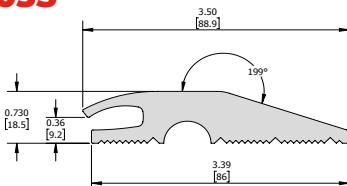
Finishes: Black



Certifications:

Notes: Transition between tile to tile applications

### 903S



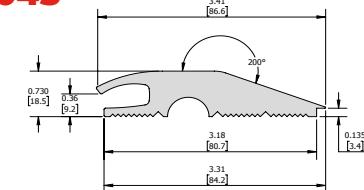
Finishes: Black



Certifications:

Notes: Transition to carpet

### 904S



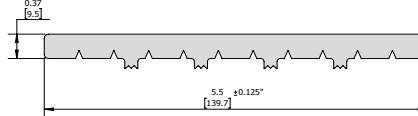
Finishes: Black



Certifications:

Notes: Transition between carpet to tile applications

### 905S



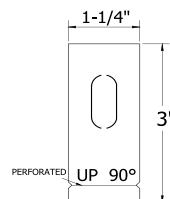
Finishes: Black



Certifications:

Notes: Transition between communicating door frames

### 709S



Finishes: Black

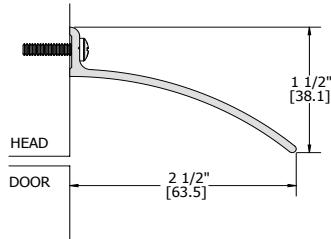


Certifications:

## Weatherstripping - Overhead Drip Guards

Fasteners: #6 x 5/8" pan head sheet metal screws

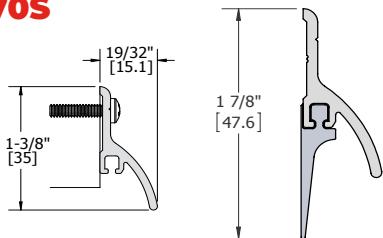
### 810S



Finishes: MIL, DBA, BLA  
Certifications:



### 770S



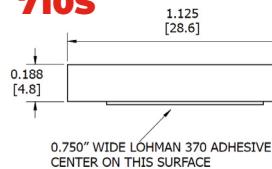
Finishes: MIL, DBA, BLA  
Inserts: B, V, or without insert  
Category: H, J (with insert)  
Certifications:



## Weatherstripping - Press On Gasketing

### Adhesive Mullion Seal

**710S**



Finishes: Black

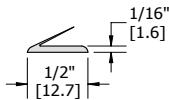
Category: H&J

Certifications:  

Notes:

- Sponge, Neoprene

**720**



Finishes: Charcoal, Brown, White

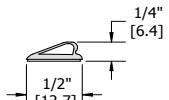
Category: H, G, J

Certifications:   

Notes:

- Thin design for doors and frames with tight tolerances
- Intumescent material
- Thermoplastic Elastomer (TPE) material

**722**



Finishes: Charcoal, Brown

Category: H, G, J

Certifications:   

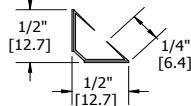
Notes:

- Requires 1/8" clearance.
- Recommend 3/16" backset - door side hinge
- Intumescent material
- Thermoplastic Elastomer (TPE) material

### Edge-Sealing Systems

Field applied edge-sealing system gaskets. Add to the frame of a B, C or 1/3-hour labeled fire doors to comply with positive pressure requirements.

**721**



Finishes: Charcoal, Brown, Gray, White

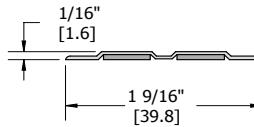
Category: H, J

Certifications:    

Notes:

Thermoplastic Elastomer (TPE) material

**724**



Finishes: Charcoal, Brown

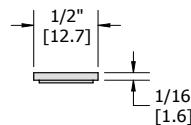
Category: G

Certifications:  

Notes:

- Intumescent material
- Thermoplastic Elastomer (TPE) material

**729**



Finishes: Charcoal, Brown, White

Category: G

Certifications:  

Notes:

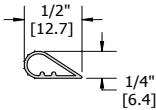
- Intumescent material
- Thermoplastic Elastomer (TPE) material

## Weatherstripping - Press On Gasketing

### Smoke Seal Systems

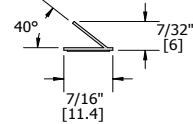
Add to the frame of a smoke rated opening to comply with the requirements of NFPA 80, 105, and UL1784. The addition of a smoke seal is necessary to complete installation instructions and validate the "S" label of a smoke control door.

**726**



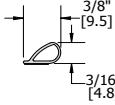
Finishes: Charcoal, Brown, Tan, White  
 Category: H, J  
 Certifications:      
 Notes: Silicone Material

**728**



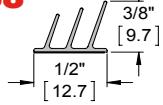
Finishes: Charcoal  
 Category: J  
 Certifications:   
 Notes: Silicone material

**736**



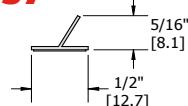
Finishes: Charcoal, White  
 Category: H, J  
 Certifications:      
 Notes: Silicone Material

**738**



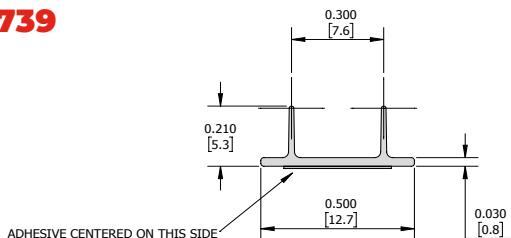
Finishes: Charcoal  
 Category: J  
 Certifications:    
 Notes: Silicone material

**737**



Finishes: Charcoal  
 Category: H, J  
 Certifications:      
 Notes: Silicone material

**739**



Finishes: Brown, Clear  
 Category: J  
 Certifications:   
 Notes: Silicone material

## Weatherstripping - Door Bottoms

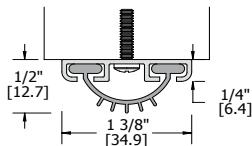
Provides a seal against weather. For best results, use in conjunction with a threshold.

Fasteners: #6 x 5/8" pan head sheet metal screws

Notes:

- Lengths up to 48" are supplied 1/2" over their stated size to allow for fitting
- Lengths over 48" are supplied 1" over size
- "Cut to exact length," may be specified
- Constructed of strong extruded 6063-T5 aluminum

### 774S



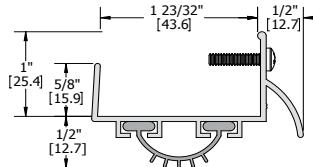
Finishes: MIL, DBA, BLA

Inserts: V, N

Category: H, J

Certifications:  

### 778S



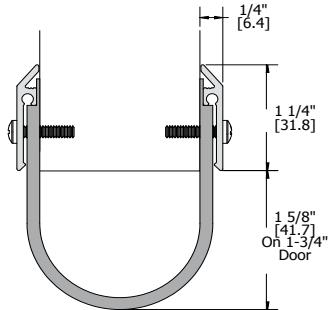
Finishes: MIL, DBA, BLA

Inserts: V, N

Category: H, J

Certifications:  

### 776S



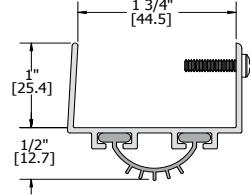
Finishes: CLR, DBA, BLA

Inserts: N

Category: H, J

Certifications:  

### 779S



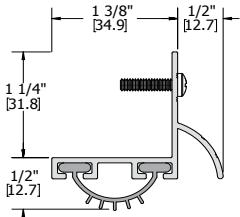
Finishes: MIL, DBA, BLA

Inserts: V, N

Category: H, J

Certifications:  

### 777S



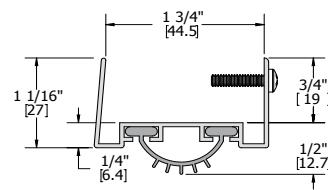
Finishes: MIL, DBA, BLA

Inserts: V, N

Category: H, J

Certifications:  

### 780S



Finishes: MIL, DBA, BLA

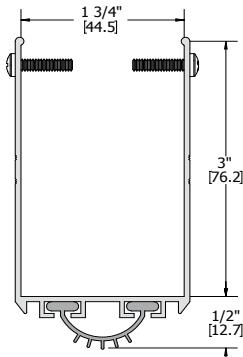
Inserts: V, N

Category: H, J

Certifications:  

## Weatherstripping - Door Bottoms

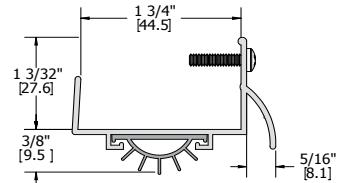
### 782S



Finishes: MIL, DBA, BLA  
Inserts: V, N

Category: H, J  
Certifications:  

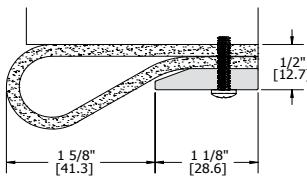
### 783S



Finishes: MIL, DBA, BLA  
Inserts: V

Category: J  
Certifications:  

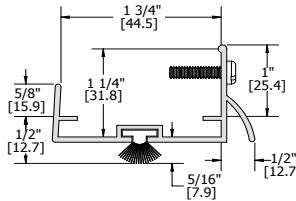
### 787S



Finishes: MIL, BLA  
Inserts: V

Category: H, J  
Certifications:  

### 789S



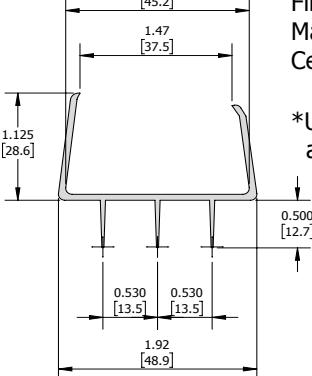
Finishes: MIL, DBA, BLA

Inserts: W

Category: H, J

Certifications:  

### 906S



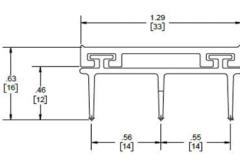
Finishes: Brown

Material: PVC

Certifications:  

\*Unnotched & Notched profiles available

### 907S



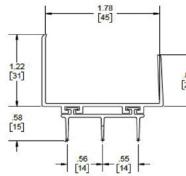
Finishes: MIL, DBA, BLA

Inserts: V

Certifications: 

\*Unnotched & Notched profiles available

### 909S



Finishes: MIL, DBA, BLA, CLR

Inserts: V

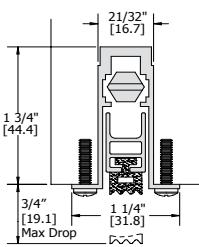
Certifications: 

\*Unnotched & Notched profiles available

## Weatherstripping - Automatic Door Bottoms

Provides an outstanding seal against drafts, light, smoke and sound. For best results, use in conjunction with a threshold. When door fully closes, the gasket extends downward to provide a seal. Gasket retracts when door is opened.

### 730S - Mortise

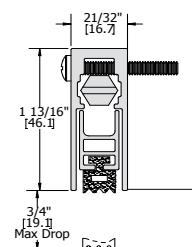


Finishes: MIL, BLA  
Inserts: N, S  
Category: H, J  
Certifications:



Notes: Available order lengths: 12" to 60". Lengths 16"-29" may be trimmed for fitting (2" maximum). Lengths 30"-60" may be trimmed for fitting (5" maximum).

### 740S - Surface



Finishes: DBA, BLA, CLR  
Inserts: N, S  
Category: H, J  
Certifications:

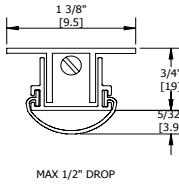


Notes: Available order lengths: 12" to 60". Lengths 16"-29" may be trimmed for fitting (2" maximum). Lengths 30"-60" may be trimmed for fitting (5" maximum).

Fasteners: • #8 x 1-1/4" pan head sheet metal screws furnished with surface mount types  
• #6 x 5/8" Pan head sheet metal screws furnished with mortise types

Notes: • Furnished exact length as stated.  
• Furnished with end cover and strike plates  
• DBA/ end caps available on MIL or CLR devices  
(Not available on 742S)

### 742S - Mortise

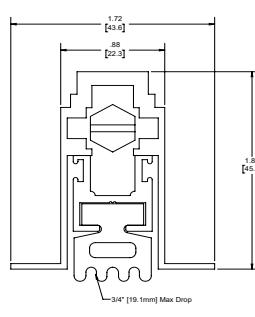


Finishes: MIL  
Inserts: V  
Category: J  
Certifications:



Notes: For use on hollow metal door  
Available order lengths: 24" to 60".  
24" cannot be trimmed.  
36" to 48" can be trimmed up to 3".  
All other sizes can be trimmed up to 1".

### 743S - Mortise

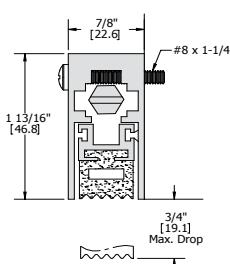


Finishes: MIL, BLA  
Inserts: N  
Category: H, J  
Certifications:



Notes: Available order lengths: 12" to 60".  
Lengths 16"-29" may be trimmed for fitting (2" maximum).  
Lengths 30"-60" may be trimmed for fitting (5" maximum).

### 747S - Surface



Finishes: CLR, DBA, BLA  
Inserts: N  
Category: H, J  
Certifications:



Notes: Available order lengths: 12" to 60".  
Lengths 16"-29" may be trimmed for fitting (2" maximum).  
Lengths 30"-60" may be trimmed for fitting (5" maximum).

## Weatherstripping - Door Bottom Sweeps

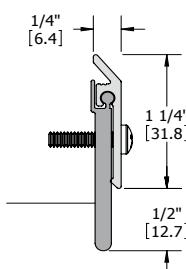
Typically door bottom sweeps are used on the exterior of an outswing door

Fasteners: #6 x 5/8" pan head sheet metal screws furnished with mortise types

Notes:

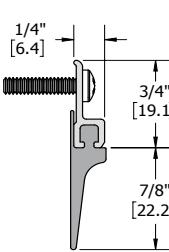
- MIL finish weatherstripping is supplied with zinc plated screws
- Color anodized weatherstripping is supplied with screws plated to match
- Stainless steel weatherstripping is supplied with stainless steel screws

### 750S



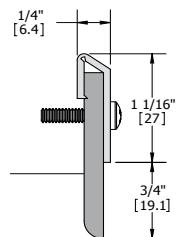
Finishes: DBA, BLA, CLR  
US32D  
Inserts: N, S  
Category: H, J  
Certifications:  

### 756S



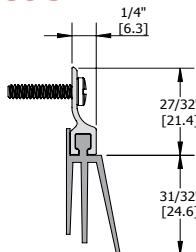
Finishes: MIL, DBA, BLA  
V  
Inserts: H, J  
Category:  

### 752S



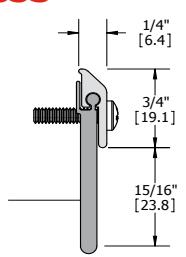
Finishes: CLR, DBA, BLA  
Inserts: V  
Category: H, J  
Certifications: 

### 759S



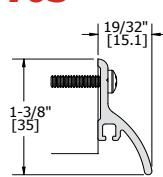
Finishes: MIL, DBA, BLA  
V  
Inserts: H, J  
Category: 

### 753S



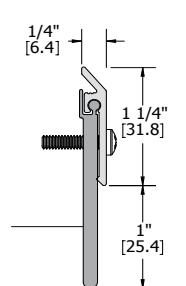
Finishes: MIL, DBA, BLA  
Inserts: N  
Category: H, J  
Certifications:  

### 770S



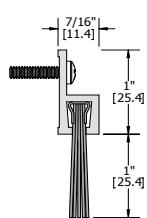
Finishes: MIL, DBA, BLA  
B, V  
Inserts: H, J  
Category:  

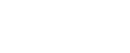
### 754S



Finishes: DBA, , BLA, CLR  
N  
Inserts: H, J  
Category:  

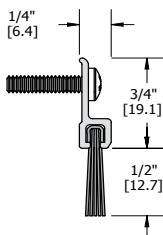
### 801S



Finishes: MIL, DBA, BLA  
B  
Inserts: H, J  
Category:  

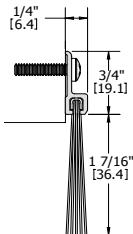
## Weatherstripping - Door Bottom Sweeps

### 802S



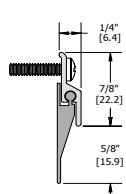
Finishes: MIL, DBA, BLA  
 Inserts: B  
 Category: H, J  
 Certifications:  

### 806S



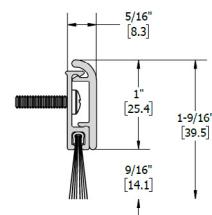
Finishes: MIL, DBA, BLA  
 Inserts: B  
 Category: H, J  
 Certifications: 

### 872S



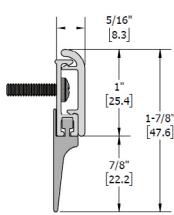
Finishes: DBA, BLA, CLR  
 Inserts: N  
 Category: H, J  
 Certifications: 

### 882S



Finishes: DBA, BLA, CLR  
 Inserts: B  
 Category: H, J  
 Certifications: 

### 884S



Finishes: DBA, BLA, CLR  
 Inserts: V  
 Category: H, J  
 Certifications: 

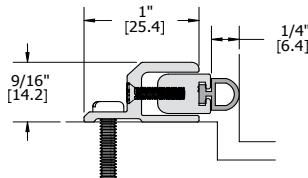
## Weatherstripping - Adjustable Jamb Weatherstripping

Fasteners: #6 x 5/8" pan head sheet metal screws

Notes:

- MIL finish weatherstripping is supplied with zinc plated screws
- Color anodized weatherstripping is supplied with screws plated to match
- Stainless steel weatherstripping is supplied with stainless steel screws

### 860S



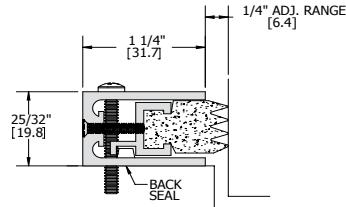
Finishes: MIL, DBA, BLA

Inserts: V, N, S, W

Category: H, J

Certifications:  

### 865S



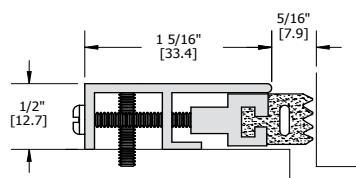
Finishes: MIL, DBA, BLA

Inserts: N

Category: H, J

Certifications:  

### 864S



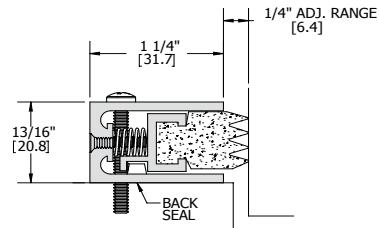
Finishes: DBA, , BLA, CLR

Inserts: N

Category: H, J

Certifications:  

### 866S



Finishes: MIL, DBA, BLA

Inserts: N

Category: H, J

Certifications:  

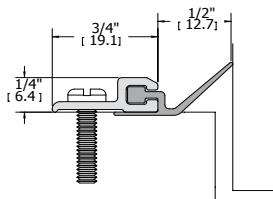
## Weatherstripping - Jamb Weatherstripping

Fasteners: 8-32 x 1" pan head phillips machine screws  
8-18 x 1" undercut flat head phillips sheet metal screws

Notes:

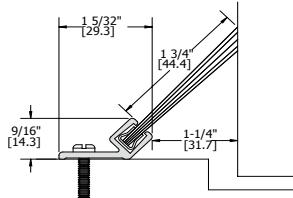
- MIL finish weatherstripping is supplied with zinc plated screws
- Color anodized weatherstripping is supplied with screws plated to match
- Stainless steel weatherstripping is supplied with stainless steel screws

### 785S



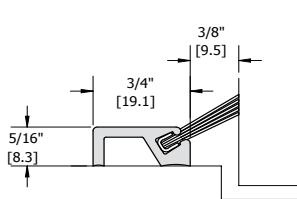
Finishes: MIL, DBA, BLA  
Inserts: N  
Category: H, J  
Certifications:  

### 808S



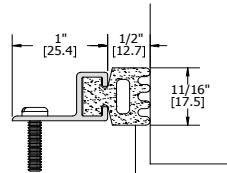
Finishes: MIL, DBA, BLA  
Inserts: B  
Category: H, J  
Certifications:  

### 800S



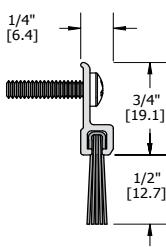
Finishes: MIL, DBA, BLA  
Inserts: B  
Category: H, J  
Certifications:  

### 861S



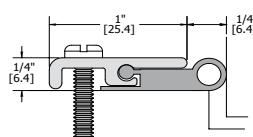
Finishes: MIL, DBA, BLA  
Inserts: N  
Category: H, J  
Certifications:  

### 802S



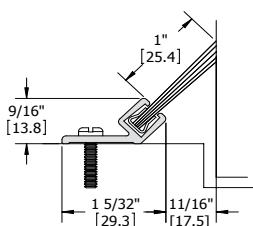
Finishes: MIL, DBA, BLA  
Inserts: B  
Category: H, J  
Certifications:  

### 862S



Finishes: DBA, BLA, CLR  
Inserts: N  
Category: H, J  
Certifications:  

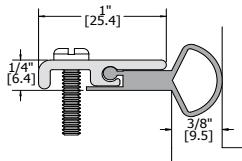
### 803S



Finishes: MIL, DBA, BLA  
Inserts: B  
Category: H, J  
Certifications: 

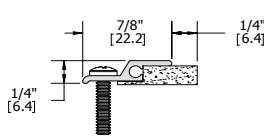
## Weatherstripping - Jamb Weatherstripping

### 863S



Finishes: DBA, BLA, CLR  
 Inserts: N  
 Category: H, J  
 Certifications:  

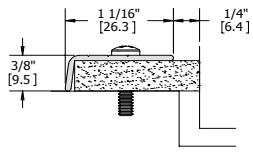
### 870S



Finishes: DBA, BLA, CLR  
 Inserts: N  
 Category: H, J  
 Certifications:  

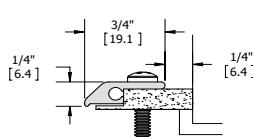
Notes: Adjustable

### 871S



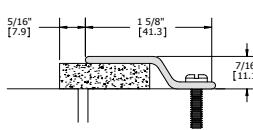
Finishes: MIL, BLA, DBA  
 Inserts: N  
 Category: H, J  
 Certifications:  

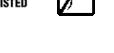
### 873S



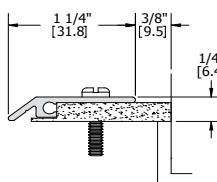
Finishes: MIL, BLA, DBA  
 Inserts: N  
 Category: H, J  
 Certifications:  

### 874S



Finishes: MIL, DBA, BLA  
 Inserts: N  
 Category: H, J  
 Certifications:  

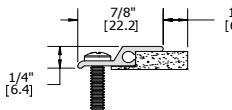
### 875S



Finishes: DBA, BLA, CLR  
 Inserts: N, S  
 Category: H, J  
 Certifications:  

**BHMA**  
CERTIFIED.

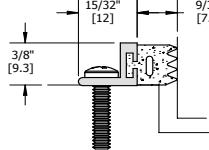
### 878S



Finishes: DBA, BLA, CLR  
 Inserts: N  
 Category: H, J  
 Certifications:  

**BHMA**  
CERTIFIED.

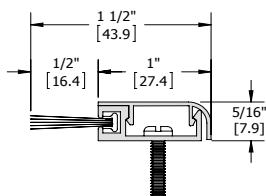
### 880S



Finishes: MIL, DBA, BLA  
 Inserts: N  
 Category: H, J  
 Certifications:  

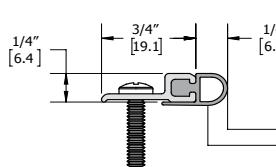
## Weatherstripping - Jamb Weatherstripping

### 882S



Finishes: DBA, BLA, CLR  
 Inserts: B  
 Category: H, J  
 Certifications:  

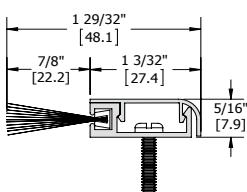
### 891S



Finishes: MIL, DBA, BLA  
 Inserts: V, N, S  
 Category: H, J  
 Certifications:  

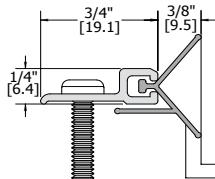
**BHMA**  
CERTIFIED.

### 883S



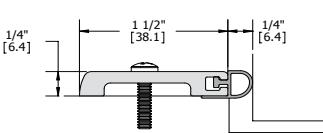
Finishes: DBA, BLA, CLR  
 Inserts: B  
 Category: H, J  
 Certifications:  

### 892S



Finishes: MIL, DBA, BLA  
 Inserts: N  
 Category: H, J  
 Certifications:  

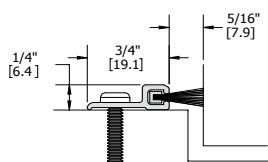
### 881S



Finishes: MIL, BLA, DBA  
 Inserts: V, N, S, W  
 Category: H, J  
 Certifications:  

**BHMA**  
CERTIFIED.

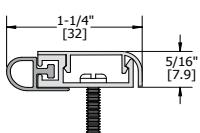
### 893S



Finishes: MIL, DBA, BLA  
 Inserts: W  
 Category: J  
 Certifications:  

**BHMA**  
CERTIFIED.

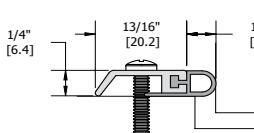
### 885S



Finishes: DBA, BLA, CLR  
 Inserts: V, N, S, W  
 Category: H, J  
 Certifications:  

**BHMA**  
CERTIFIED.

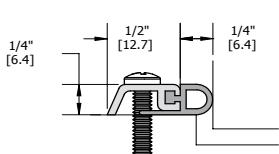
### 896S



Finishes: MIL, DBA, BLA  
 Inserts: V, N, S  
 Category: H, J  
 Certifications:  

**BHMA**  
CERTIFIED.

### 890S



Finishes: MIL, DBA, BLA  
 Inserts: V, N, S  
 Category: H, J  
 Certifications:  

**BHMA**  
CERTIFIED.

## Weatherstripping - Astragals/Meeting Stiles

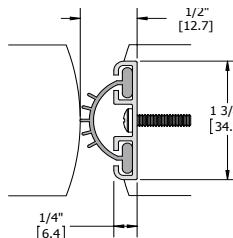
Fire labeled Astragals & Meeting Stiles should only be mounted on pairs of doors with a gap that meets NFPA 80 2-3.1.7 (1/8" +/- 1/16" for steel doors and not exceeding 1/8" for wood doors)

Fasteners: #6 x 5/8" Pan head sheet metal screws

Notes:

- MIL finish weatherstripping is supplied with zinc plated screws
- Color anodized weatherstripping is supplied with screws plated to match
- Stainless steel weatherstripping is supplied with stainless steel screws

### 774S



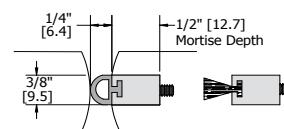
Finishes: MIL, DBA, BLA

Inserts: V, N

Category: H, J

Certifications:  

### 771S



Finishes: MIL, DBA, BLA

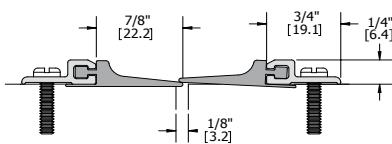
Inserts: V, W, N, S

Category: H, J

Certifications:  

Notes: Order two (2) for a set

### 756S



Finishes: MIL, DBA, BLA

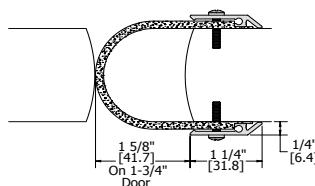
Inserts: V

Category: H, J

Certifications:  

Notes: Order two (2) for a set

### 776S



Finishes: DBA, BLA, CLR

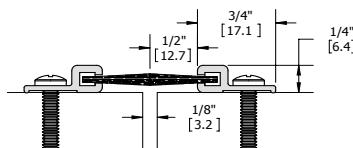
Inserts: N

Category: H, J

Certifications:  

Notes: Order two (2) for a set

### 802S



Finishes: DBA, BLA, CLR

Inserts: B

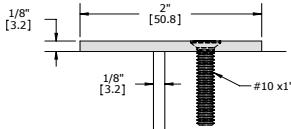
Category: H, J

Certifications:  

Notes: Order two (2) for a set

## Weatherstripping - Astragals/Meeting Stiles

### 835S

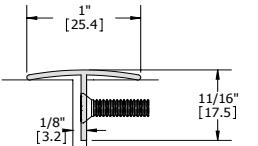


Finishes: MIL, DBA, BLA, US32D, USP  
 Category: J  
 Certifications:



Notes: • Maximum length = 10 feet  
 • Available with thrubolts

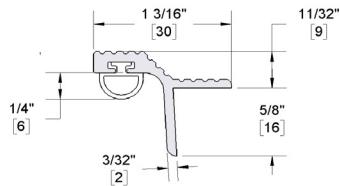
### 836S



Finishes: MIL, DBA, BLA  
 Category: H, J  
 Certifications:



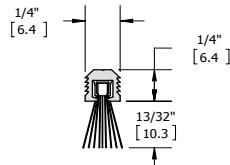
### 837S



Finishes: MIL, DBA, BLA  
 Inserts: W, V, N, S  
 Category: H, J  
 Certifications:



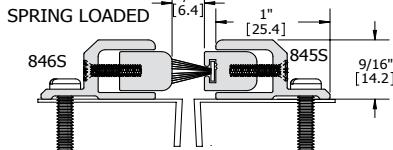
### 839S



Finishes: MIL  
 Inserts: W  
 Category: J  
 Certifications:



### 845S | 846S



Finishes: MIL, DBA, BLA

Inserts: W

Category: J

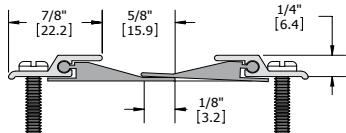
Certifications:



Notes: • Adjustable  
 • Order two (2) for a set

## Weatherstripping - Astragals/Meeting Stiles

### 872S



Finishes: DBA, BLA, CLR

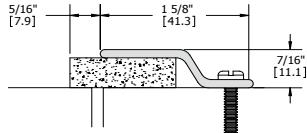
Inserts: N

Category: H, J

Certifications:  

Notes: • Order two (2) for a set

### 874S



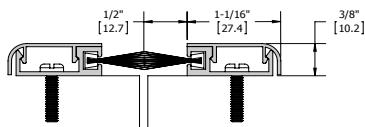
Finishes: MIL, DBA, BLA

Inserts: N

Category: H, J

Certifications:  

### 882S



Finishes: DBA, BLA, CLR

Inserts: B

Category: H, J

Certifications:  

Notes: Order two (2) for a set

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