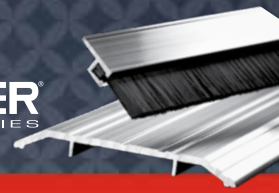


Thresholds & Weatherstripping



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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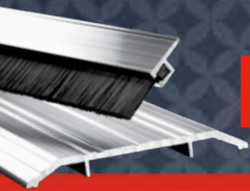
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GENERAL INFORMATION

PRODUCT PRESENTATION

Dimensions on bronze and 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
- Sure Step Non-Slip Abrasive Coating – A rugged, durable coating that can be applied to all Hager Companies' metal thresholds. Ideal for thresholds being used in wet, oily or corrosive environments.

MATERIALS & FINISHES

Metals

All aluminum extrusions are of alloy 6063-T5. All bronze extrusions are of alloy CDA385 brass specified as Architectural Bronze in the industry.

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
- SCA** - Hager Sure Step on aluminum
- 32D** - stainless steel (non-extruded)
- GLD** - gold anodized aluminum
- CLR** - clear anodized aluminum
- LBA** - light bronze anodized aluminum
- SCB** - Hager Sure Step on bronze
- WHP** - white paint on aluminum
- USP** - prime coat

Notes: Threshold profiles shown refer to aluminum material only, dimensions may vary for mill finish bronze thresholds.

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
- F** - vinyl with fins
- N** - neoprene
- S** - silicone
- V** - vinyl
- W** - pile (thread may be removed to allow expansion)

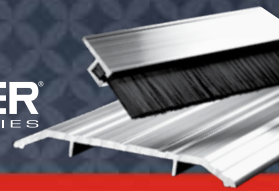
ORDERING INFORMATION

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 50" (1270 mm) and under. Thresholds over 50" (1270 mm) are supplied with 1" (25 mm) extra length for fitting. Exact lengths are available upon request (specify CTEL).

Example: 891S V 36 x 84 MIL

<u>Item #</u>	<u>Gasketing</u>	<u>Size</u>	<u>Finish</u>
515S	W-pile	36" (914 mm)	MIL - mill finish aluminum
599S	V-vinyl	48" (1219 mm)	DBA - dark bronze anodized aluminum
750S	S-silicone	36" (914 mm)	32D - matte stainless steel
870S	N-neoprene	36" x 84" (914 mm x 2133 mm)	CLR - clear anodized aluminum
882S	B-nylon Brush	48" x 96" (1219 mm x 2438 mm)	OOO - gasket only
881S	N-neoprene	48" x 84" (914 mm x 2133 mm)	MIB - mill finish bronze





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 stainless steel torx wood 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
- Two-way self-adhesive tape

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: E283-91.



Sound Tested

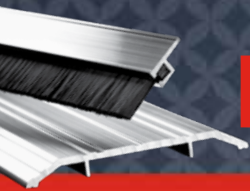
Products denoted by this symbol have been sound tested and received the appropriate STC rating. The tests were conducted in accordance with ASTM test procedures and meet ASTM: E90-90 & ASTM: E413-87.

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 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 life-safety; 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

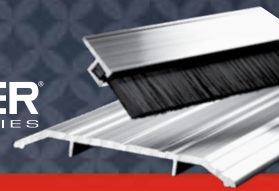
This is a separate second test that does not involve fire. All gaskets being tested for smoke must initially be fire tested under the requirements of UL 10C and receive a category "G" or "J" rating before being smoke tested.

Below are some key phrases that indicate positive pressure requirements:

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

The 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	— —



2 Hr.	1 1/2 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	Pairs	724, 729	721, 726, 736, 737	719, 720, 722, 734
			Hollow Metal	Pairs	—	721, 726, 736, 737	—
			Wood Composite	Singles	724, 729	721, 726, 736, 737	719, 720, 722, 734
			Hollow Metal	Singles	—	721, 726, 736, 737	—



2 Hr.	1 1/2 Hour (D Label) 90 minute	Opening where there is a chance of severe fire exposure from the exterior of the building	Hollow Metal	Pairs	—	721, 726, 736, 737	—
			Hollow Metal	Singles	—	721, 726, 736, 737	—



1 Hr.	*1 Hour (B Label) 60 Minutes	Doors that divide occupancies in a building (building less than 4 stories tall)	Wood	Pairs	724, 729	721, 726, 736, 737	719, 720, 722, 734
			Wood	Singles	724, 729	721, 726, 736, 737	719, 720, 722, 734

*Currently rating only applies to wood doors.



1 Hr.	3/4 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	Pairs	—	721, 726, 736, 737	—
			Hollow Metal	Singles	—	721, 726, 736, 737	—

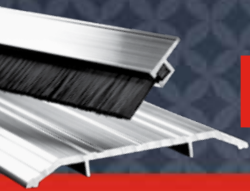


1 Hr.	3/4 Hour (C Label) 45 Minute	Openings in walls or partitions between rooms and corridors	Wood Composite	Pairs	724, 729	721, 726, 736, 737	719, 720, 722, 734
			Wood Composite	Singles	724, 729	721, 726, 736, 737	719, 720, 722, 734



1 Hr.	*1/3 Hour 20 Minute	Openings in corridors where smoke and draft control is required *Does not have letter designation	Wood/Particle Core	Pairs	724, 729	721, 726, 736, 737	719, 720, 722, 734
			Wood/Particle Core	Singles	724, 729	721, 726, 736, 737	719, 720, 722, 734

*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

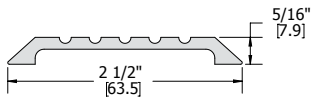
To effectively seal out the elements, use in conjunction with a door bottom, sweep, shoe, or bumper strip.

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

Options: Available with Sure Step Non-Slip Abrasive Coating

- 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

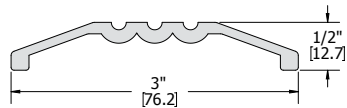
401S



Finishes: MIL, DBA, GLD

Certifications: **BHMA CERTIFIED**

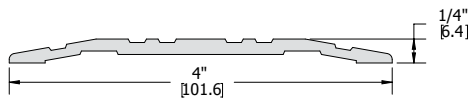
402S



Finishes: MIL, DBA, GLD

Certifications: **BHMA CERTIFIED**

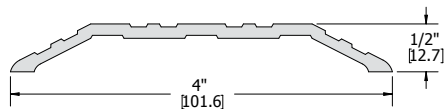
403S



Finishes: MIL, DBA, GLD

Certifications: **BHMA CERTIFIED**

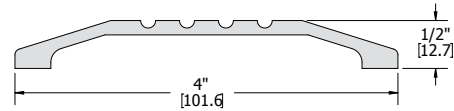
404S



Finishes: MIL, DBA, GLD

Certifications: **BHMA CERTIFIED**

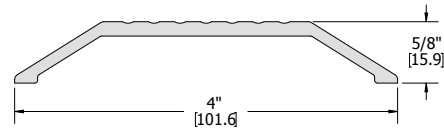
410S



Finishes: MIL, DBA, GLD, MIB

Certifications: **BHMA CERTIFIED**

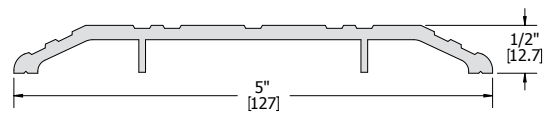
411S



Finishes: MIL, DBA, GLD

Certifications: **LISTED**

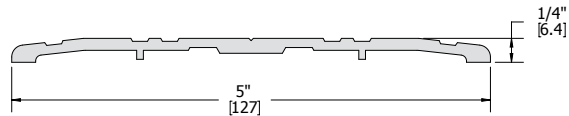
412S



Finishes: MIL, DBA, GLD, MIB

Certifications: **BHMA CERTIFIED**

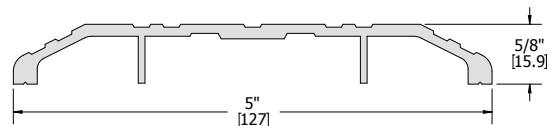
413S



Finishes: MIL, DBA, GLD, US32D

Certifications: **BHMA CERTIFIED**

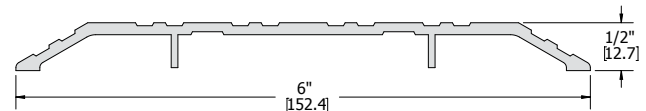
414S



Finishes: MIL, DBA, GLD

Certifications: **LISTED** **BHMA CERTIFIED**

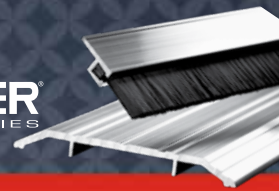
415S



Finishes: MIL, DBA, GLD

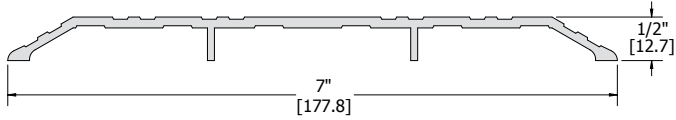
Certifications: **BHMA CERTIFIED**





THRESHOLDS - SADDLE

416S



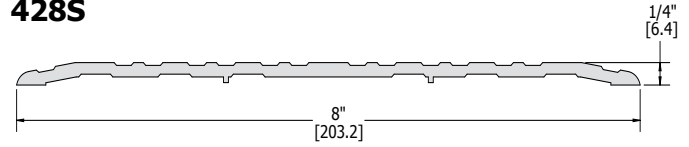
Finishes:

MIL, DBA, GLD

Certifications:



428S



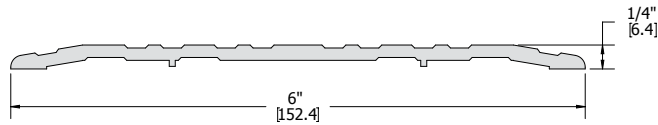
Finishes:

MIL, DBA, GLD

Certifications:



417S



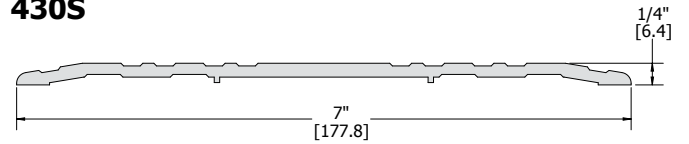
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MIL, DBA, GLD

Certifications:



430S



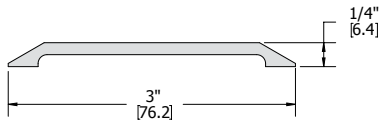
Finishes:

MIL, DBA, GLD

Certifications:



418S



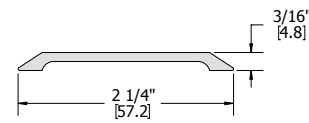
Finishes:

MIL, DBA, GLD

Certifications:



436S



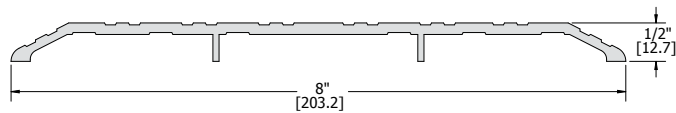
Finishes:

MIL, DBA

Certifications:



426S



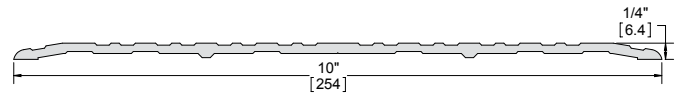
Finishes:

MIL, DBA, GLD

Certifications:



448S



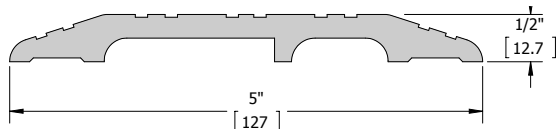
Finishes:

MIL, DBA

Certifications:



427S



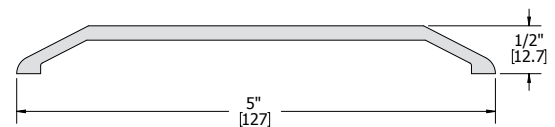
Finishes:

MIL, DBA

Certifications:



492S

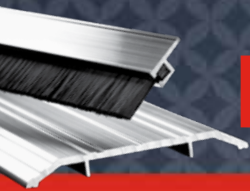


Finishes:

MIL, DBA, GLD

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.

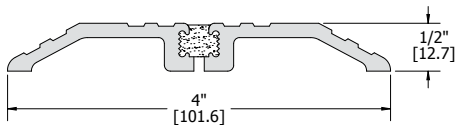
Fasteners: #10 x 1-1/2" sheet metal screws, other screw types and anchors available upon request

Options: Available with Sure Step non-slip abrasive coating

Notes:

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

420S

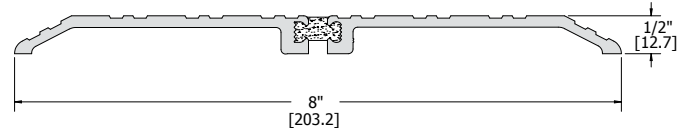


Finishes: MIL, DBA, GLD

Certifications:



424S

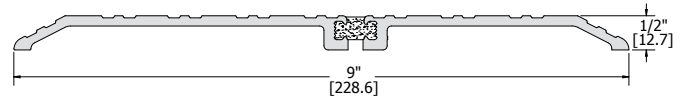


Finishes: MIL, DBA, GLD

Certifications:



451S

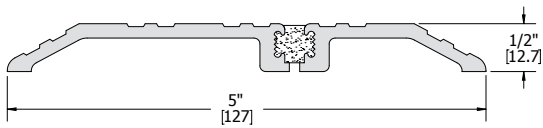


Finishes: MIL, DBA, GLD

Certifications:



421S

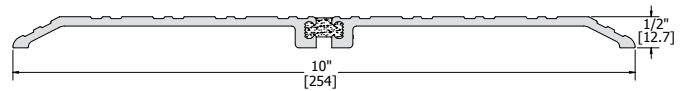


Finishes: MIL, DBA, GLD

Certifications:



452S

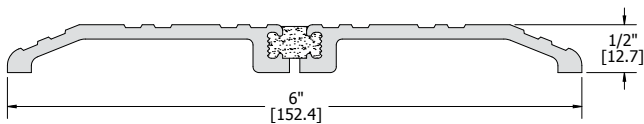


Finishes: MIL, DBA, GLD

Certifications:



422S

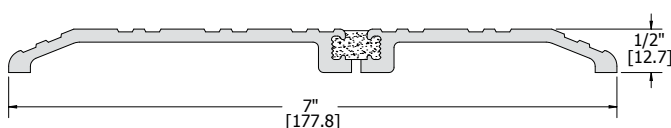


Finishes: MIL, DBA, GLD

Certifications:



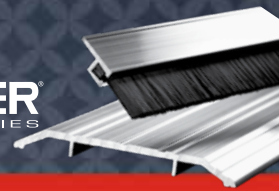
423S



Finishes: MIL, DBA, GLD

Certifications:





THRESHOLDS - HALF SADDLE

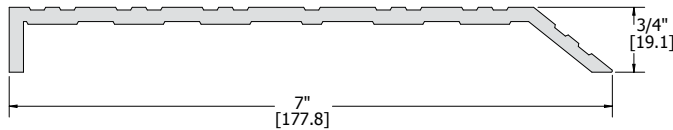
Fasteners: #10 x 1-1/2" sheet metal screws, other screw types and anchors available upon request

Options: Available with Sure Step non-slip abrasive coating

Notes:

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

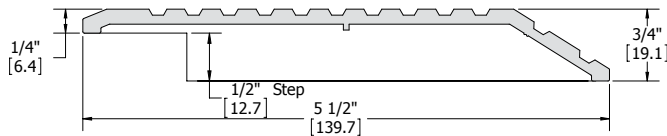
406S



Finishes: MIL, DBA, GLD

Certifications: 

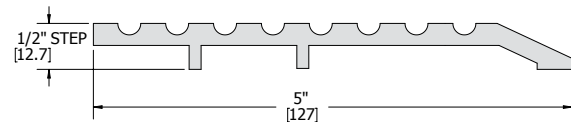
407S






Finishes: MIL, DBA, GLD

Certifications: 

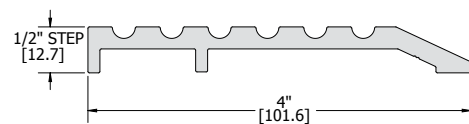
431S






Finishes: MIL, DBA, GLD, MIB

Certifications:   

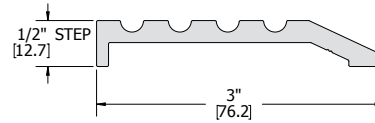
432S



Finishes: MIL, DBA, GLD

Certifications:   

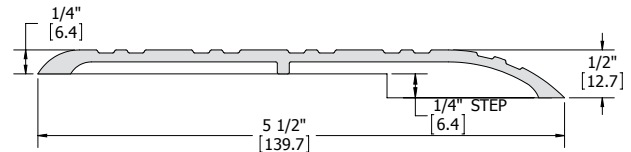
433S






Finishes: MIL, DBA, GLD

Certifications:   

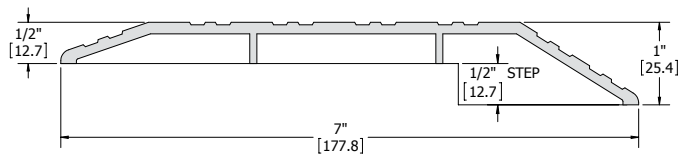
438S



Finishes: MIL, DBA

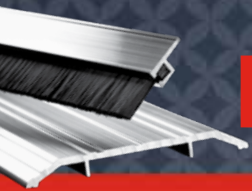
Certifications:   

572S



Finishes: MIL, DBA, GLD

Certifications: 

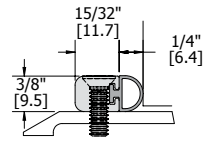


THRESHOLDS - ELEVATOR AND BUMPER STRIPS

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

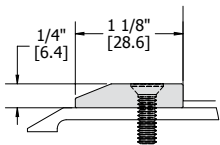
481S



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

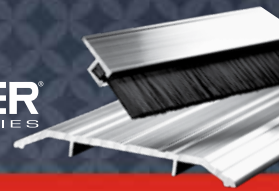


484S



Finishes: MIL, DBA, GLD
 Certifications:

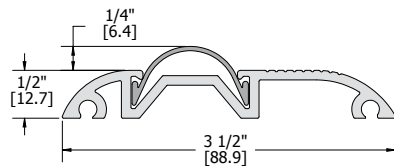




THRESHOLDS - RESIDENTIAL


All thresholds appearing in this column are available with Sure Step Non-Slip Abrasive Coating.

400S



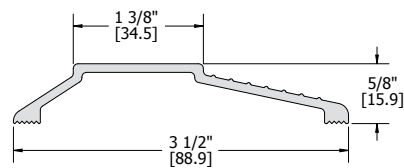
Finishes: MIL, DBA, GLD

Insert: V


Certifications: 

Notes: Vinyl gasket eliminates the need for door shoe or sweeps

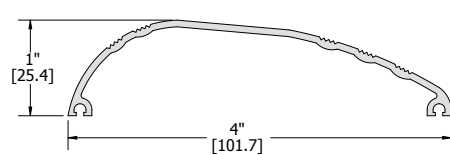
408S




Finishes: MIL, DBA, GLD

Certifications: 

419S



Finishes: MIL, DBA, GLD

Certifications: 

THRESHOLDS - CARPET

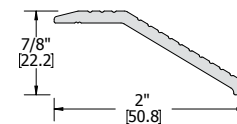
Fasteners: #10 x 1-1/2" sheet metal screws, other screw types and anchors available upon request

Options: Available with Sure Step non-slip abrasive coating


Notes:

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

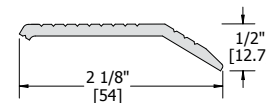
503S



Finishes: MIL, DBA, GLD

Certifications: 

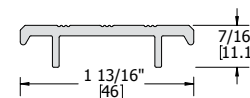
504S



Finishes: MIL, DBA, GLD

Certifications: 

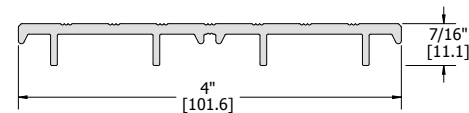
505S



Finishes: MIL, DBA, GLD

Certifications:  

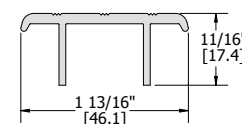
506S




Finishes: MIL, DBA, GLD

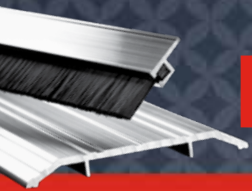
Certifications:  

508S



Finishes: MIL, DBA, GLD

Certifications: 

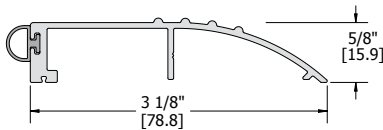


THRESHOLDS - BUMPER

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
 Options: Available with Sure Step non-slip abrasive coating
 Notes:

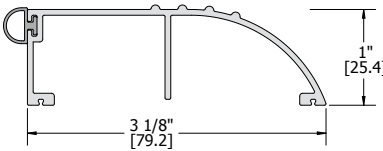
- MIL finish thresholds are supplied with zinc plated screws
- Color anodized thresholds are supplied with screws plated to match

434S



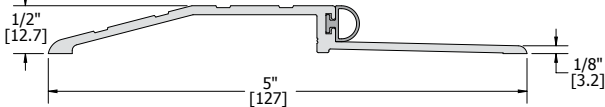
Finishes: MIL, DBA, GLD
 Insert: V, N, S, W
 Certifications:

435S



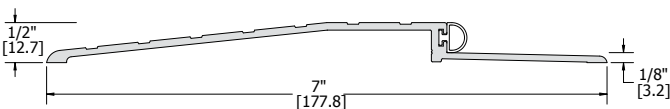
Finishes: MIL, DBA, GLD
 Insert: V, N, S, W
 Certifications:

477S



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

478S



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

THRESHOLDS - ADA RAMP

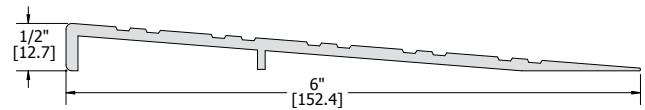
Ramp threshold that provides a 1:12 slope to meet the requirements of the Americans With Disabilities Act

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
 Options: Available with Sure Step non-slip abrasive coating
 Notes:

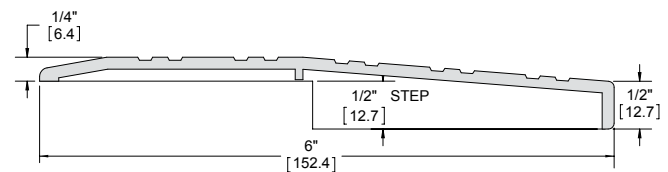
- MIL finish thresholds are supplied with zinc plated screws
- Color anodized thresholds are supplied with screws plated to match

442S



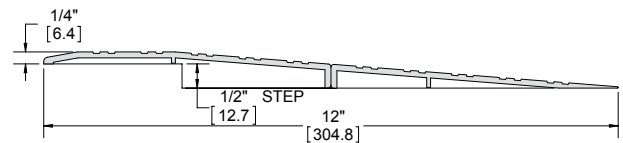
Finishes: MIL, DBA, GLD
 Certifications:

443S

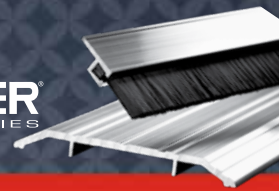


Finishes: MIL, DBA, GLD
 Certifications:

444S



Finishes: MIL, DBA, GLD
 Certifications:



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

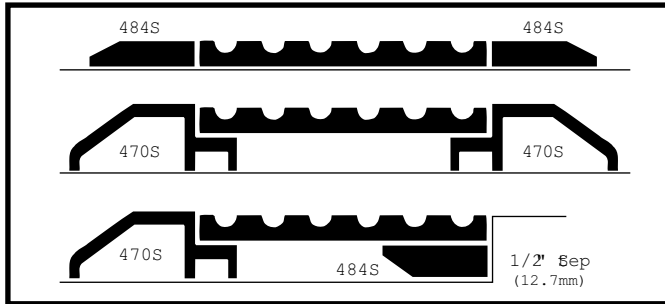
Fasteners: Plates and plate supports are furnished without holes and fasteners unless specified

Options:

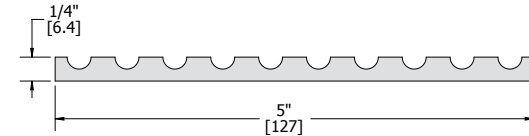
- Available with Sure Step non-slip abrasive coating
- Beveled Edges are available

Notes: Plates may be used fluted or smooth side up

Typical Applications



455S

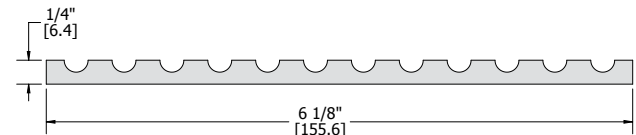


Finishes: MIL, DBA, GLD

Certifications:



460S

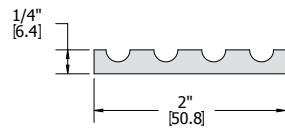


Finishes: MIL, DBA, GLD

Certifications:



440S

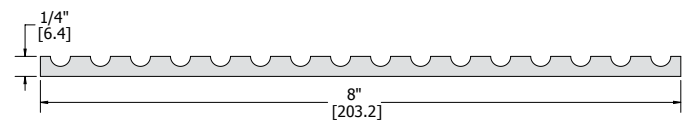


Finishes: MIL, DBA, GLD

Certifications:



465S

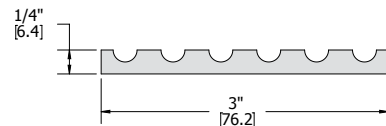


Finishes: MIL, DBA, GLD

Certifications:



445S

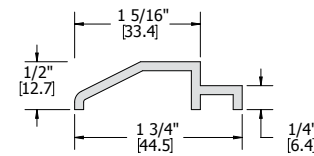


Finishes: MIL, DBA, GLD

Certifications:



470S

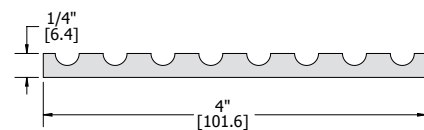


Finishes: MIL, DBA, GLD

Certifications:



450S

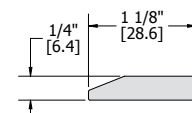


Finishes: MIL, DBA, GLD

Certifications:



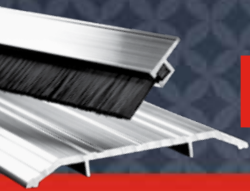
484S



Finishes: MIL, DBA, GLD

Certifications:

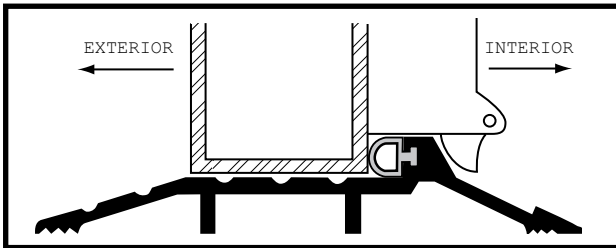




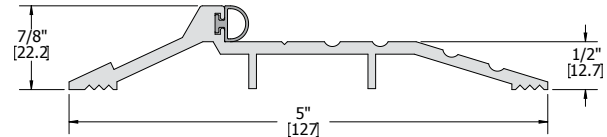
THRESHOLDS - PANIC

- Use in conjunction with surface applied vertical rod exit device
- Fasteners: #10 x 1-1/2" flat head sheet metal screws, other screw types and anchors available upon request
- Options: Available with Sure Step non-slip abrasive coating
- 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

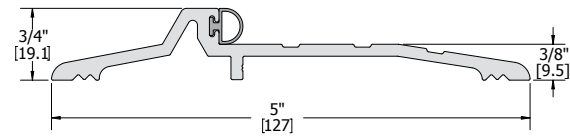


541S



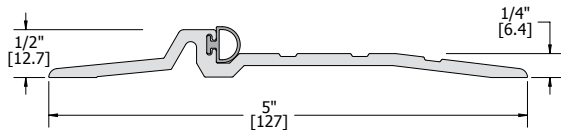
- Finishes: MIL, DBA, GLD
 Inserts: V, N, S, W
 Door Undercut: Allow 5/8"
 Certifications:

552S



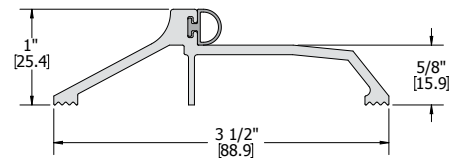
- Finishes: MIL, DBA, GLD
 Inserts: V, N, S, W
 Door Undercut: Allow 1/2"
 Certifications:

520S



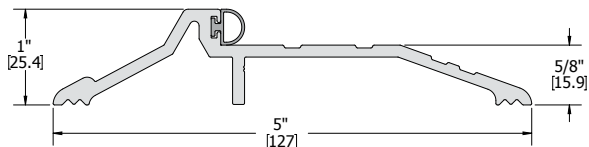
- Finishes: MIL, DBA, GLD, MIB
 Inserts: V, N, S, W
 Door Undercut: Allow 3/8"
 Certifications:

560S



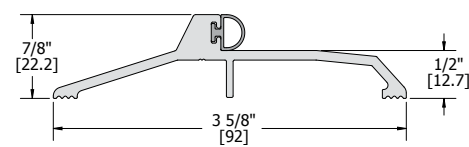
- Finishes: MIL, DBA, GLD
 Inserts: V, N, S, W
 Door Undercut: Allow 3/4"
 Certifications:

532S



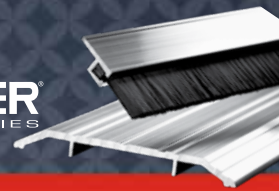
- Finishes: MIL, DBA, GLD
 Inserts: V, N, S, W
 Door Undercut: Allow 3/4"
 Certifications:

565S



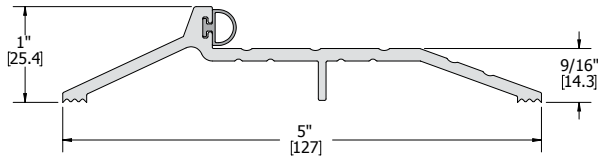
- Finishes: MIL, DBA, GLD
 Inserts: V, N, S, W
 Door Undercut: Allow 5/8"
 Certifications:





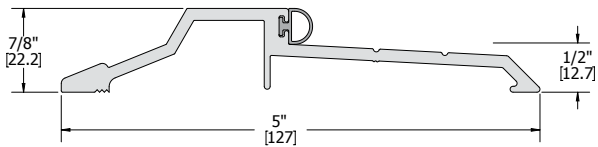
THRESHOLDS - PANIC

575S



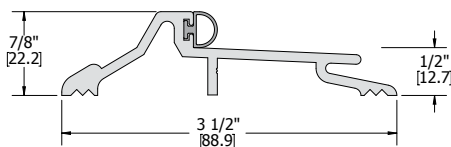
Finishes: MIL, DBA, GLD
 Inserts: V, N, S, W
 Door Undercut: Allow 11/16"
 Certifications: 

580S



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

599S



Finishes: MIL, DBA, GLD
 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 exit device.

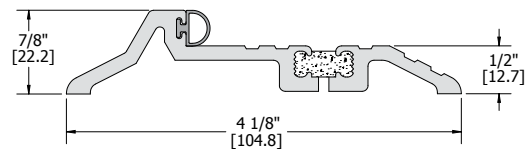
Fasteners: #10 x 1-1/2" Flat head sheet metal screws, other screw types and anchors available upon request

Options: Available with Sure Step non-slip abrasive coating

Notes:

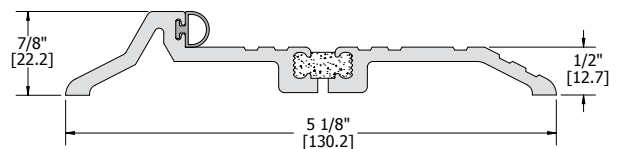
- MIL finish thresholds are supplied with zinc plated screws
- Color anodized thresholds are supplied with screws plated to match

515S



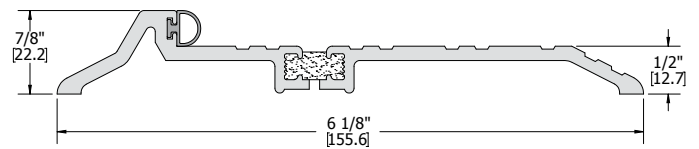
Finishes: MIL, DBA, GLD
 Inserts: V, N, S, W
 Certifications: 

516S



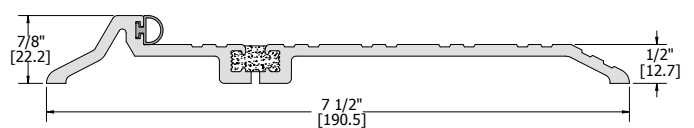
Finishes: MIL, DBA, GLD
 Inserts: V, N, S, W
 Certifications: 


517S

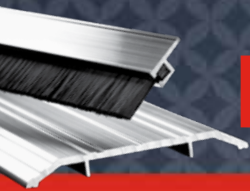


Finishes: MIL, DBA, GLD
 Inserts: V, N, S, W
 Certifications: 

518S



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



THRESHOLDS - INTERLOCKING

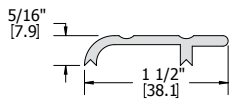
Threshold interlocks with hook on the bottom of the door for a superior seal against wind and rain

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

Options: Available with Sure Step non-slip abrasive coating

- 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

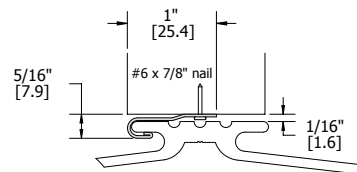
600S



Finishes: MIL, DBA, GLD

Certifications:

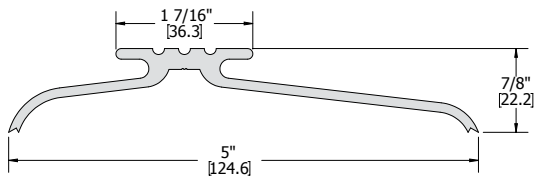
701S



Finishes: MIL
Fasteners: #6 x 7/8" nail
Certifications:

Notes: J-Hook interlocks with threshold to seal against wind and rain

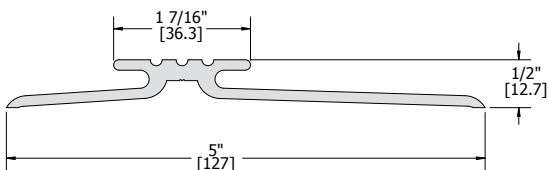
603S



Finishes: MIL, DBA

Certifications:

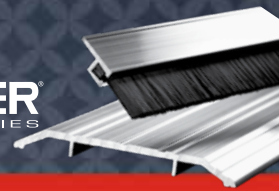
604S



Finishes: MIL, DBA

Certifications:





THRESHOLDS- ABRASIVE CAST ALUMINUM

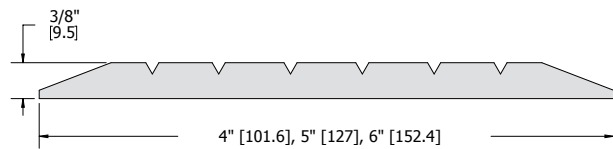
A heavy duty aluminum threshold with silicon carbide granules integrally cast into the surface. Ideal for high traffic areas where maximum durability is required. The abrasive, skid resistant surface works well under wet, dry or oily conditions.

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



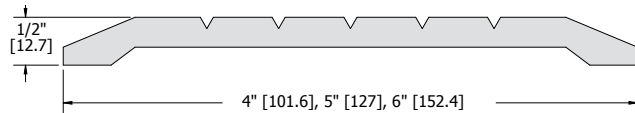
Finishes:

CAL

Certifications:



627S

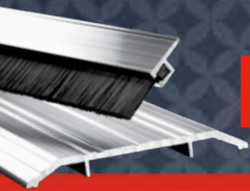


Finishes:

CAL

Certifications:





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

Options: Available with Sure Step non-slip abrasive coating

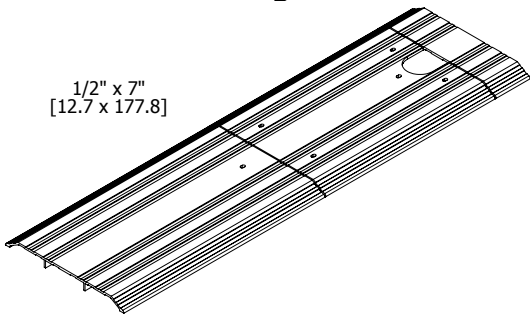
Order: Specify closer manufacturer, offset, closer model number, thickness of door, width of door opening and handing

Notes:

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

651S - Center Hung

1/2" x 7"
[12.7 x 177.8]



Finishes:

MIL, DBA

Certifications:

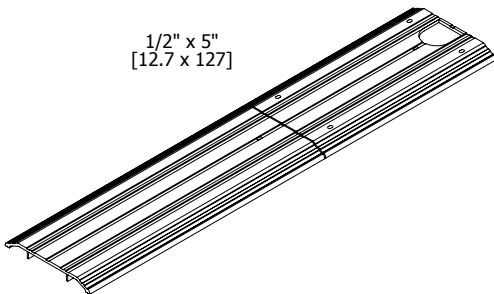


Notes:

- Center hung
- Without mitered ends

652S - Center Hung

1/2" x 5"
[12.7 x 127]



Finishes:

MIL, DBA

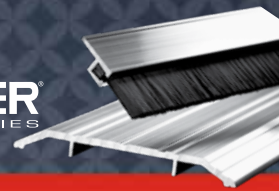
Certifications:



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

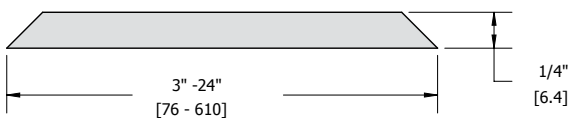


Finishes: MIL

Certifications:



677S



Finishes: MIL

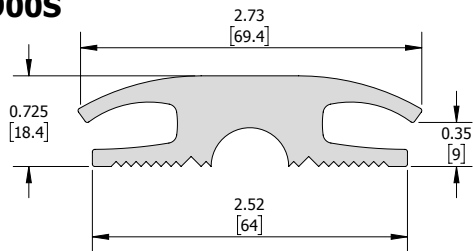
Certifications:



Vinyl Thresholds

Transition between different floor types.

900S



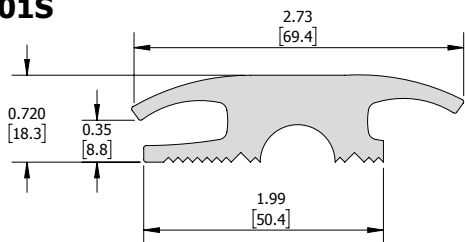
Finishes: Black

Certifications:



Notes: Transition between carpet to carpet applications.

901S



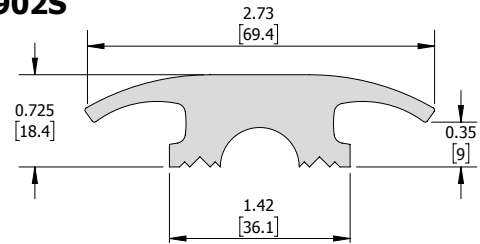
Finishes: Black

Certifications:



Notes: Transition between carpet to tile applications.

902S



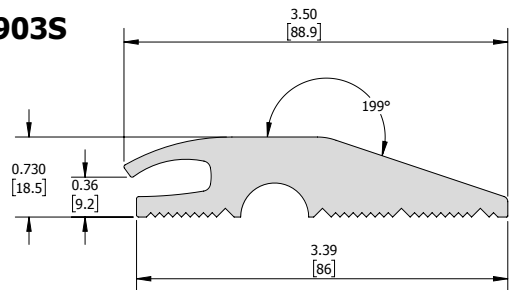
Finishes: Black

Certifications:



Notes: Transition between tile to tile applications.

903S



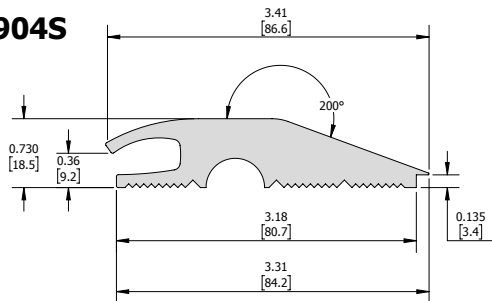
Finishes: Black

Certifications:



Notes: Transition to carpet.

904S



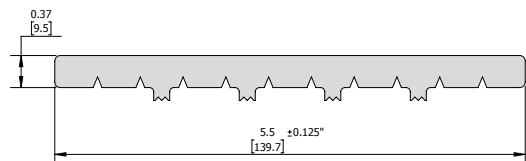
Finishes: Black

Certifications:



Notes: Transition between carpet to tile applications.

905S

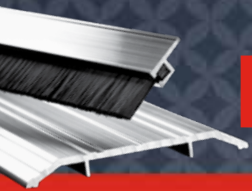


Finishes: Black

Certifications:



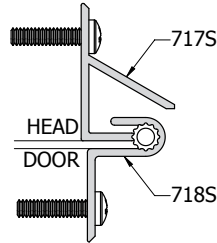
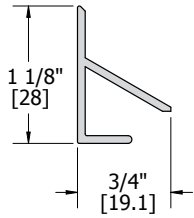
Notes: Transition between communicating door frames.



WEATHERSTRIPPING - INTERLOCKING/OVERHEAD DRIP GUARDS

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

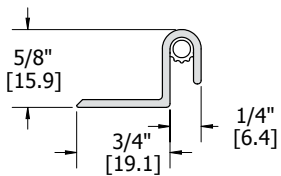
717S



Finishes:
Certifications:

MIL, DBA

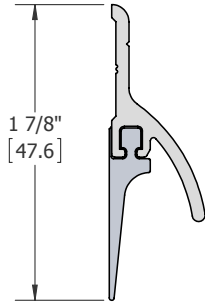
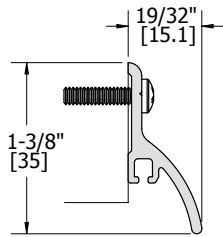
718S



Finishes:
Inserts:
Certifications:

MIL, DBA, GLD
V

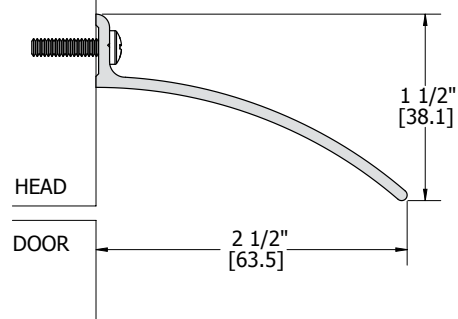
770S



Finishes:
Inserts:
Category:
Certifications:

MIL, DBA, GLD
B, V, or without insert
H, J (with insert)

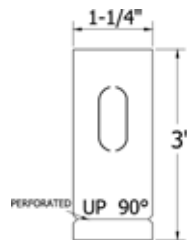
810S



Finishes:
Certifications:

MIL, DBA, GLD

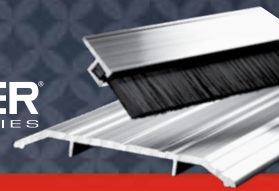
709S



Finish:
Certifications:

Black

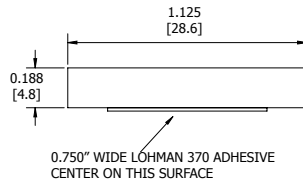




WEATHERSTRIPPING - PRESS-ON GASKETING

Adhesive Mullion Seal

710S

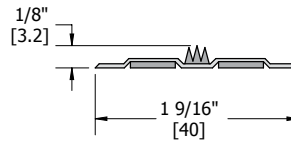


Finishes:
Category:
Certifications:



Notes:
• Sponge Neoprene

734



Finishes: Charcoal, Brown
Category: H, G, J

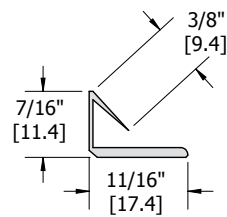
Certifications:   




Notes:
• Intumescent material
• Thermoplastic Elastomer (TPE) material

Combination Edge-Sealing System with Smoke Control

Field applied edge-sealing system gaskets with integrated smoke fin. Add to the frame of a B, C or 1/3 hour labeled fire door.

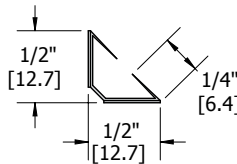
719



Finishes: Charcoal, Brown
Category: H, G, J
Certifications:   

Notes:
• Requires 1/8" clearance
• Not recommended for door frames with 1/2" stop or less
• Recommend 3/16" backset - door side hinge
• Intumescent material
• Thermoplastic Elastomer (TPE) material

721

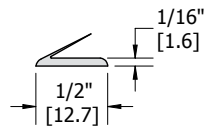





Finishes: Charcoal, Brown, Gray, White
Category: H, J

Certifications:     

Notes: Thermoplastic Elastomer (TPE) material

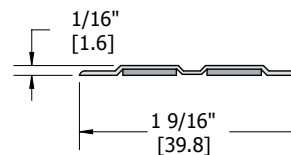
720




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

724

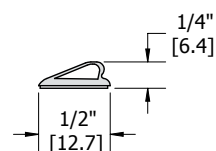





Finishes: Charcoal, Brown
Category: G

Certifications:  

Notes:
• Intumescent material
• Thermoplastic Elastomer (TPE) material

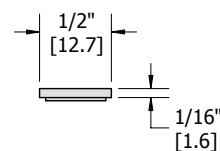
722





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

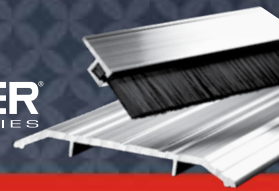
729



Finishes: Charcoal, Brown, White
Category: G

Certifications:  

Notes:
• Intumescent material
• Thermoplastic Elastomer (TPE) material



WEATHERSTRIPPING - DOOR BOTTOMS

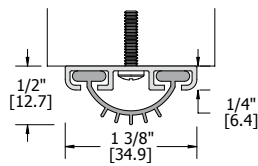
Provides a seal against weather. For best results, use in conjunction with a threshold.

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

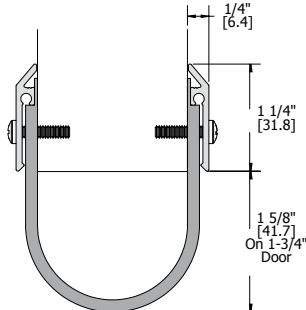
Inserts: V, N

Category: H, J

Certifications:



776S



Finishes: CLR, DBA, GLD

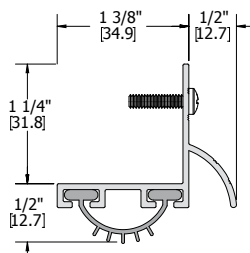
Inserts: N

Category: H, J

Certifications:



777S



Finishes: MIL, DBA, GLD

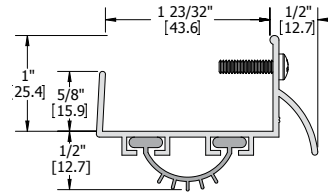
Inserts: V, N

Category: H, J

Certifications:



778S



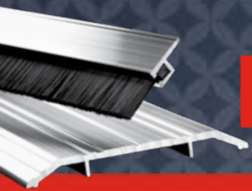
Finishes: MIL, DBA, GLD

Inserts: V, N

Category: H, J

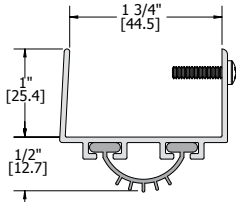
Certifications:





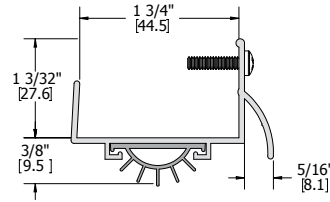
WEATHERSTRIPPING - DOOR BOTTOMS

779S



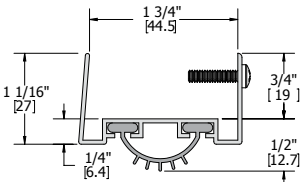
Finishes: MIL, DBA, GLD
 Inserts: V, N
 Category: H, J
 Certifications:

783S



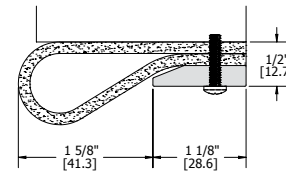
Finishes: MIL, DBA, GLD
 Inserts: V
 Category: J
 Certifications:

780S



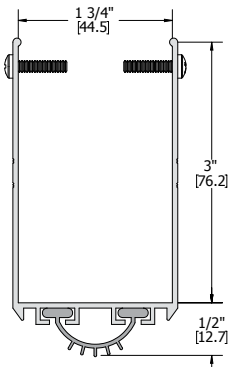
Finishes: MIL, DBA, GLD
 Inserts: V, N
 Category: H, J
 Certifications:

787S



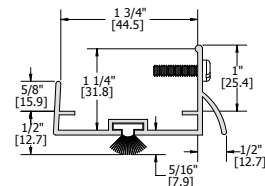
Finishes: MIL
 Inserts: N
 Category: H, J
 Certifications:

782S



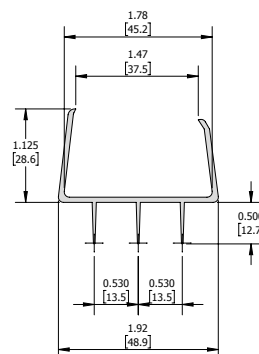
Finishes: MIL, DBA, GLD
 Inserts: V, N
 Category: H, J
 Certifications:

789S



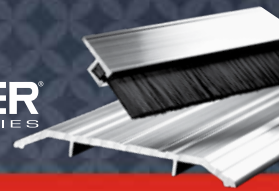
Finishes: MIL, DBA, GLD
 Inserts: W
 Category: H, J
 Certifications:

906S



Finishes: Brown
 Material: PVC
 Category:
 Certifications:





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.

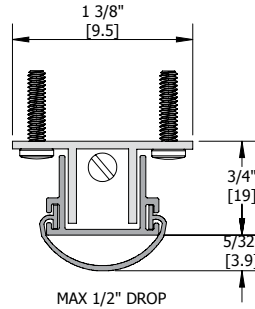
Fasteners:

- #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. May be trimmed for fitting (2" maximum).
- Furnished with end cover and strike plates
- DBA/GLD end caps available on MIL or CLR devices (Not available on 742S)

742S - Mortise



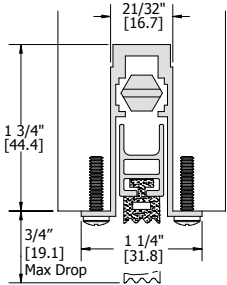
Finishes:
Inserts:
Category:
Certifications:

MIL
V
J

Notes:

For use on hollow metal door

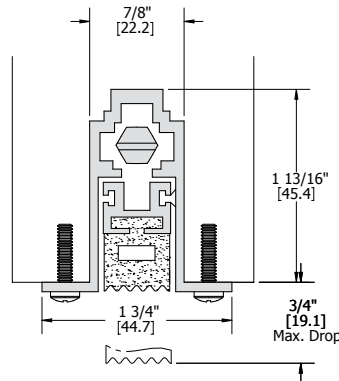
730S - Mortise



Finishes:
Inserts:
Category:
Certifications:

MIL
N, S
H, J

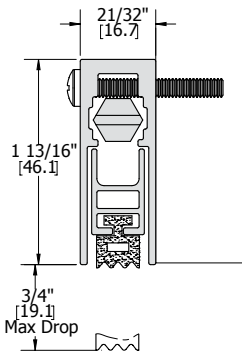
743S - Mortise



Finishes:
Inserts:
Category:
Certifications:

MIL
N
H, J

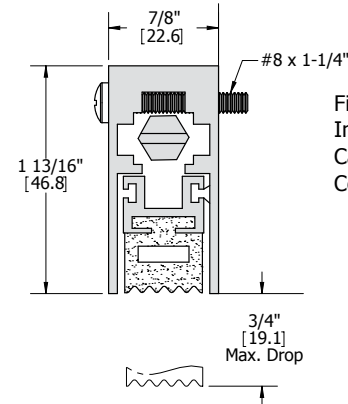
740S - Surface



Finishes:
Inserts:
Category:
Certifications:

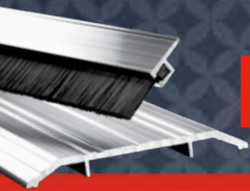
DBA, GLD, CLR
N, S
H, J

747S - Surface



Finishes:
Inserts:
Category:
Certifications:

CLR, DBA, GLD
N
H, J

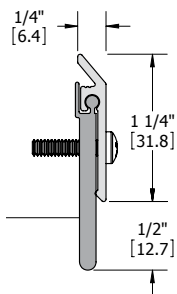


WEATHERSTRIPPING - DOOR BOTTOM SWEEPS

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

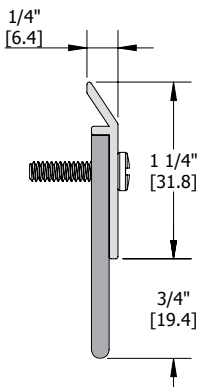
750S



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



752S

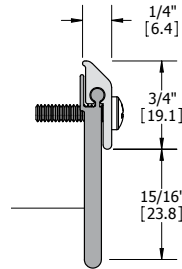


#6 x 5/8" PAN HEAD SHEET METAL SCREWS (FACTORY PROVIDED)

Finishes: MIL, DBA, GLD
Inserts: V
Category: H, J
Certifications:



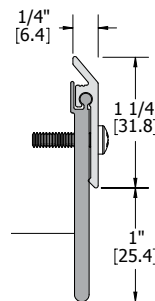
753S



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



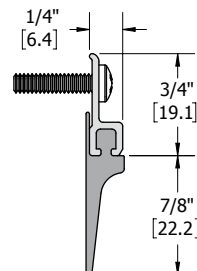
754S



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

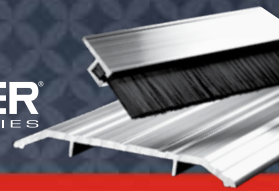


756S



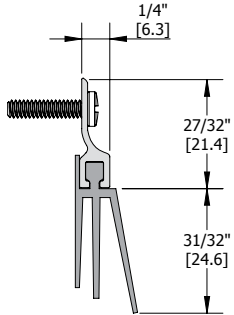
Finishes: MIL, DBA, GLD
Inserts: V
Category: H, J
Certifications:





WEATHERSTRIPPING - DOOR BOTTOM SWEEPS

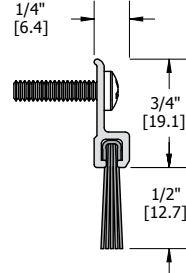
759S



Finishes: MIL, DBA, GLD
 Inserts: V
 Category: H, J
 Certifications:



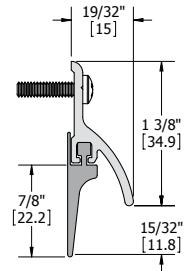
802S



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



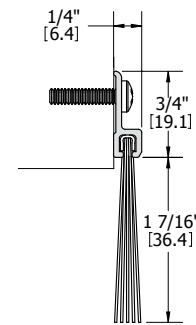
770S



Finishes: MIL, DBA, GLD
 Inserts: B, V
 Category: H, J
 Certifications:



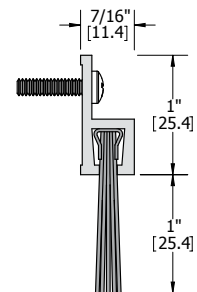
806S



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



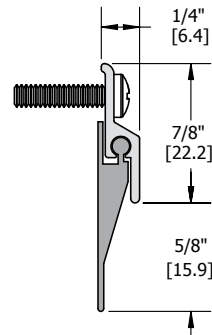
801S



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

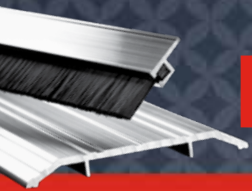


872S



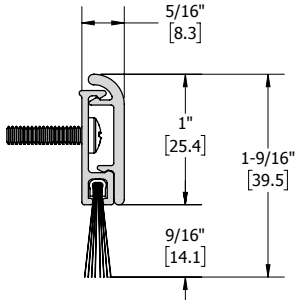
Finishes: DBA, GLD, CLR
 Inserts: N
 Category: H, J
 Certifications:





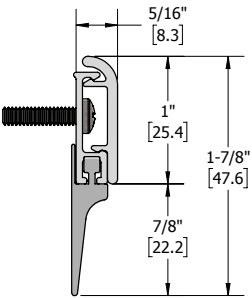
WEATHERSTRIPPING - DOOR BOTTOM SWEEPS

882S



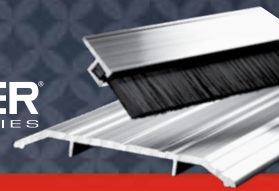
Finishes: DBA, GLD, CLR
 Inserts: B
 Category: H, J
 Certifications:

884S



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

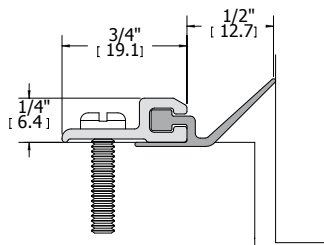




WEATHERSTRIPPING - JAMB WEATHERSTRIPPING

- 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

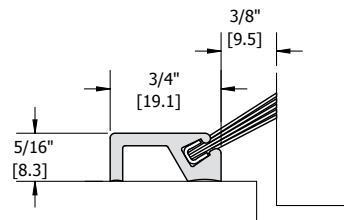
785S



- Finishes: MIL, DBA, GLD
 Inserts: N
 Category: H, J
 Certifications:



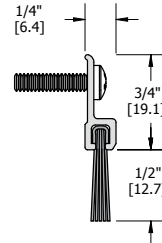
800S



- Finishes: MIL, DBA, GLD
 Inserts: B
 Category: H, J
 Certifications:



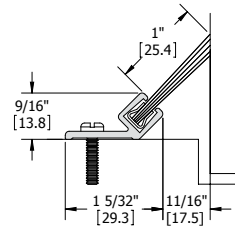
802S



- Finishes: MIL, DBA, GLD
 Inserts: B
 Category: H, J
 Certifications:



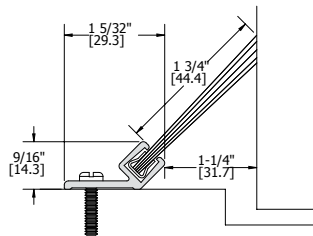
803S



- Finishes: MIL, DBA, GLD
 Inserts: B
 Category: H, J
 Certifications:

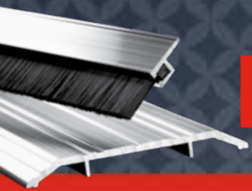


808S



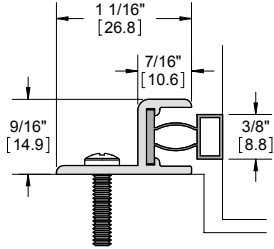
- Finishes: MIL, DBA, GLD
 Inserts: B
 Category: H, J
 Certifications:





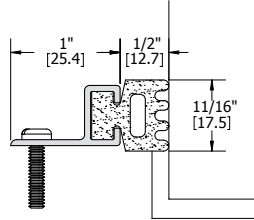
WEATHERSTRIPPING - JAMB WEATHERSTRIPPING

859S



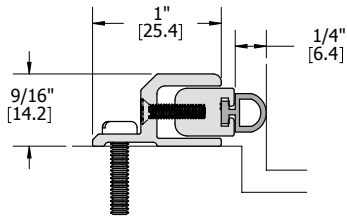
Finishes: MIL, DBA
 Category: H, J
 Certifications:
 Notes: Magnetic

861S



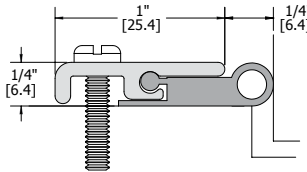
Finishes: MIL, DBA, GLD
 Inserts: N
 Category: H, J
 Certifications:

860S



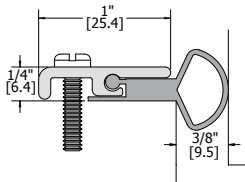
Finishes: MIL, DBA, GLD
 Inserts: V, N, S, W
 Category: H, J
 Certifications:
 Notes: Adjustable

862S

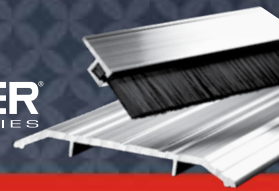


Finishes: DBA, GLD, CLR
 Inserts: N
 Category: H, J
 Certifications:

863S

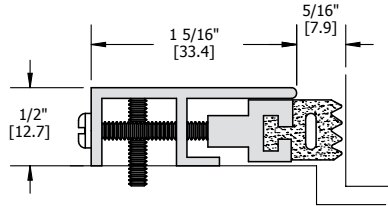




Finishes: DBA, GLD, CLR
 Inserts: N
 Category: H, J
 Certifications:



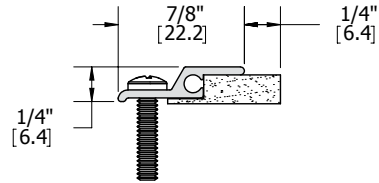
WEATHERSTRIPPING - JAMB WEATHERSTRIPPING




864S



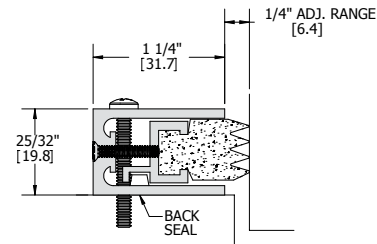
Finishes: DBA, GLD, CLR
 Inserts: N
 Category: H, J
 Certifications:  
 Notes: Adjustable



870S



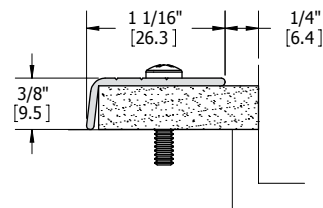
Finishes: DBA, GLD, CLR
 Inserts: N
 Category: H, J
 Certifications:   
 Notes: Adjustable

865S



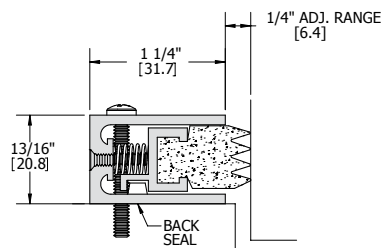
Finishes: MIL, DBA, GLD
 Inserts: N
 Category: H, J
 Certifications:  
 Notes: Adjustable




871S



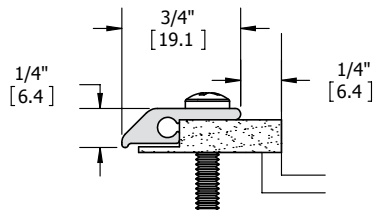
Finishes: MIL, DBA, GLD
 Inserts: N
 Category: H, J
 Certifications:  




866S

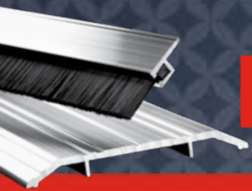


Finishes: MIL, DBA
 Inserts: N
 Category: H, J
 Certifications:   
 Notes: Spring adjustable

873S

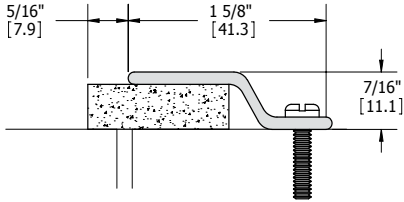


Finishes: MIL, DBA, GLD
 Inserts: N
 Category: H, J
 Certifications:   



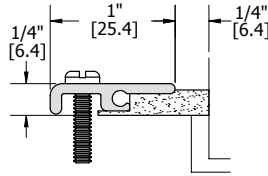
WEATHERSTRIPPING - JAMB WEATHERSTRIPPING

874S



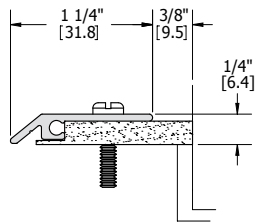
Finishes: MIL, DBA, GLD, US32D
 Inserts: N
 Category: H, J
 Certifications:

878S



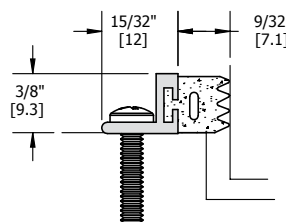
Finishes: DBA, GLD, CLR
 Inserts: N
 Category: H, J
 Certifications:

875S



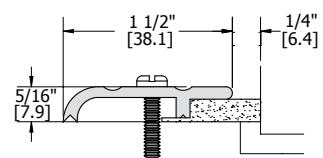
Finishes: DBA, GLD, CLR
 Inserts: N, S
 Category: H, J
 Certifications:

880S



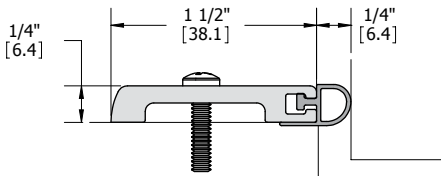
Finishes: MIL, DBA, GLD
 Inserts: N
 Category: H, J
 Certifications:

877S

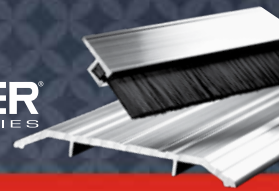


Finishes: MIL, DBA, GLD
 Inserts: N
 Category: H, J
 Certifications:

881S

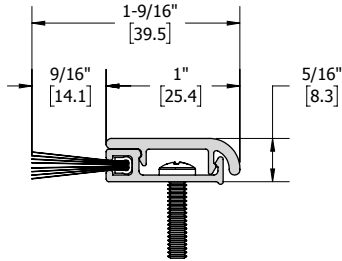



Finishes: MIL, DBA, GLD
 Inserts: V, N, S, W
 Category: H, J
 Certifications:



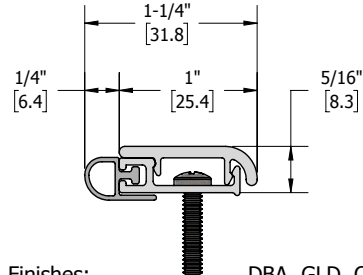
WEATHERSTRIPPING - JAMB WEATHERSTRIPPING

882S





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

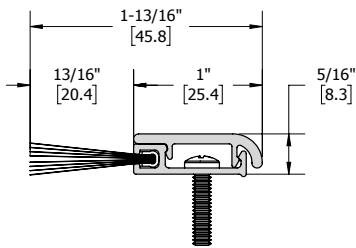
885S





Insert "F" Shown Above

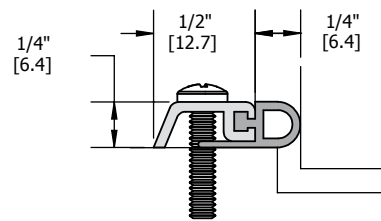
Finishes: DBA, GLD, CLR
 Inserts: V, N, S, W, F
 Category: H, J
 Certifications:   




883S

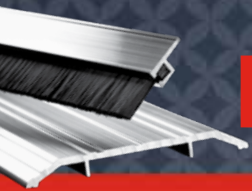


Finishes: DBA, GLD, CLR
 Inserts: B
 Category: H, J
 Certifications:  

890S

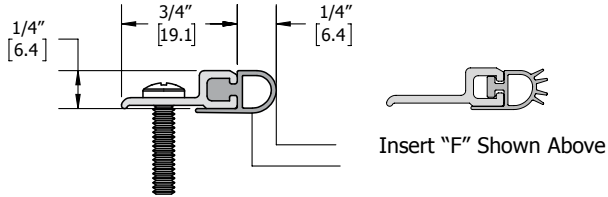


Finishes: MIL, DBA, GLD
 Inserts: V, N, S
 Category: H, J
 Certifications:   



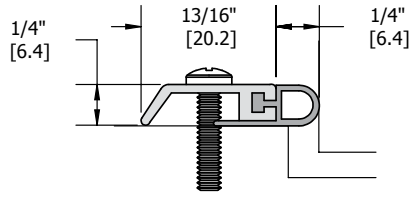
WEATHERSTRIPPING - JAMB WEATHERSTRIPPING

891S



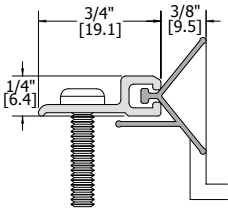
Finishes: MIL, DBA, GLD
 Inserts: V, N, S, F
 Category: H, J
 Certifications:

896S



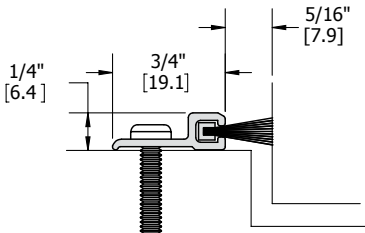
Finishes: MIL, DBA, GLD
 Inserts: V, N, S
 Category: H, J
 Certifications:

892S

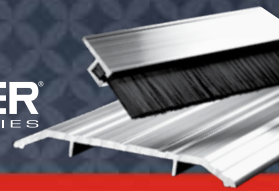


Finishes: MIL, DBA, GLD
 Inserts: N
 Category: H, J
 Certifications:

893S



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



WEATHERSTRIPPING - ASTRAGALS/MEETING STILES

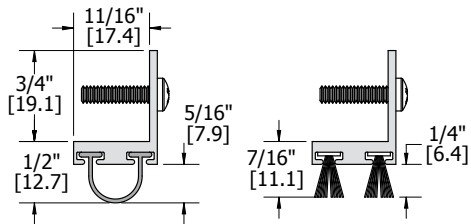
Fire labeled Astragals & Meeting Stiles should only be mounted on pairs of doors with a gap that meets NFPA 80 2-3.1.7 (1/8" +/- 1/16" for steel doors and not exceeding 1/8" for wood doors)

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

751S



Finishes:

MIL, DBA, GLD

Inserts:

N, V, W

Category:

H, J

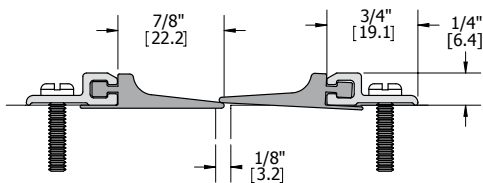
Certifications:



Notes:

Order two (2) for a set

756S



Finishes:

MIL, DBA, GLD

Inserts:

V

Category:

H, J

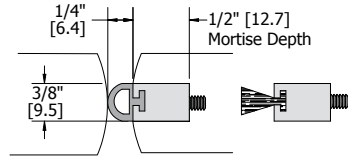
Certifications:



Notes:

Order two (2) for a set

771S



Finishes:

MIL, DBA

Inserts:

V, W, N, S

Category:

J

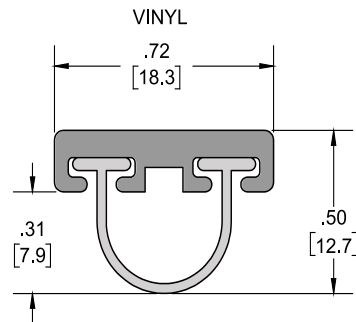
Certifications:



Notes:

Order two (2) for a set

772S



Finishes:

MIL, DBA, GLD

Inserts:

V, N, W

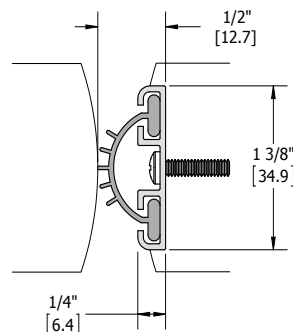
Category:

H, J

Certifications:



774S



Finishes:

MIL, DBA

Inserts:

V, N

Category:

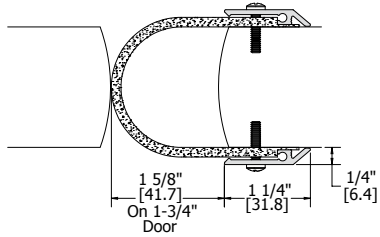
H, J

Certifications:



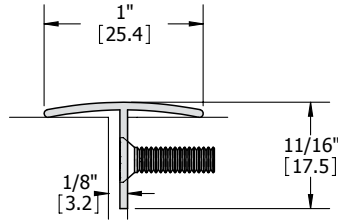
WEATHERSTRIPPING - ASTRAGALS/MEETING STILES

776S



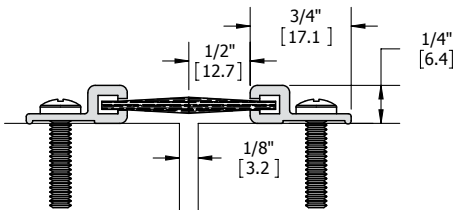
Finishes: DBA, GLD, CLR
 Inserts: N
 Category: H, J
 Certifications:  



836S



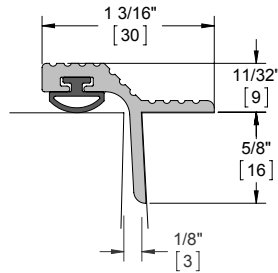
Finishes: MIL, DBA, GLD
 Category: H, J
 Certifications: 

802S



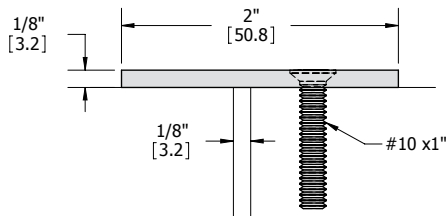
Finishes: MIL, DBA, GLD
 Inserts: B
 Category: H, J
 Certifications:  
 Notes: Order two (2) for a set

837S



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

835S

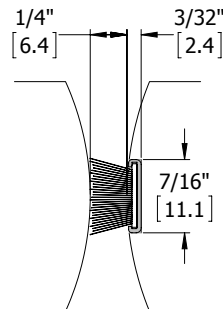



Finishes: MIL, DBA, GLD, US32D, USP
 Category: J
 Certifications:  

Notes:

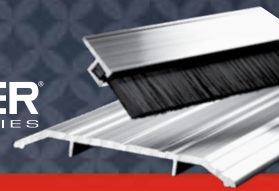
- Maximum length = 10 feet
- Available with thrubolts

838S



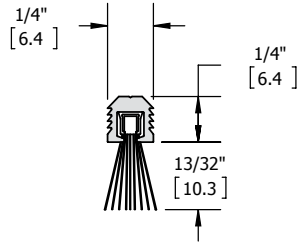
Finishes: MIL
 Inserts: W
 Category: J
 Certifications: 






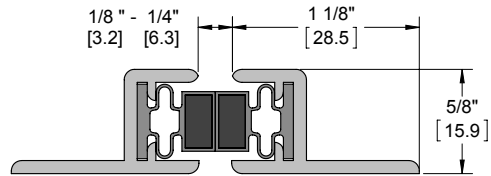
WEATHERSTRIPPING - ASTRAGALS/MEETING STILES

839S



Finishes: MIL
 Inserts: W
 Category: J
 Certifications: 

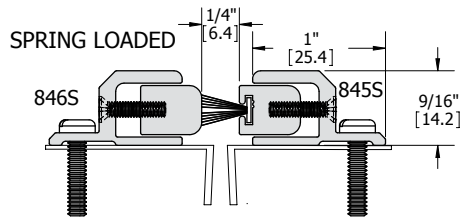
849S



Finishes: MIL, DBA
 Notes:

- Magnetic
- 96" maximum door height
- Designed for use on 80" to 96" doors only
- Sets shorter than 80" may not work properly

845S | 846S

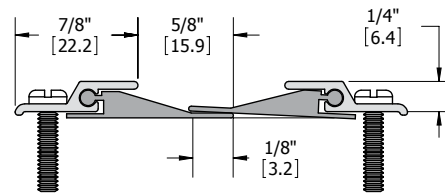




Finishes: MIL, DBA, GLD
 Inserts: W
 Category: J
 Certifications: 

Notes:

- Adjustable
- Order two (2) for a set

872S

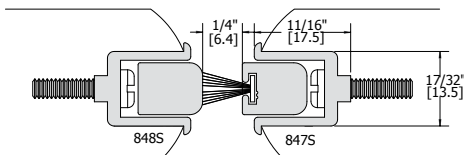



Finishes: DBA, GLD, CLR
 Inserts: N
 Category: H, J
 Certifications:  

Notes:

- Order two (2) for a set

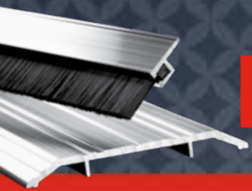
847S | 848S



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

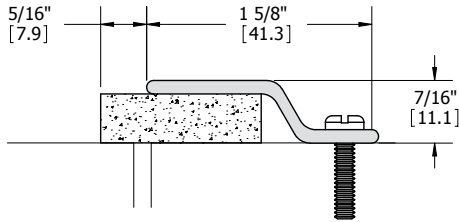
Notes:

- Adjustable
- Spring loaded
- Mortise depth = 21/32"



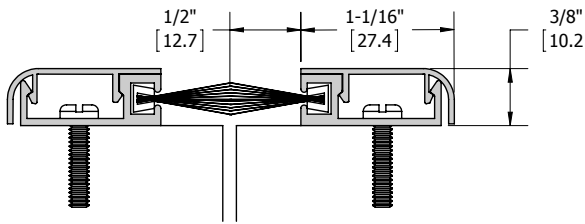
WEATHERSTRIPPING - ASTRAGALS/MEETING STILES

874S



Finishes: MIL, DBA, GLD, US32D
 Inserts: N
 Category: H, J
 Certifications:

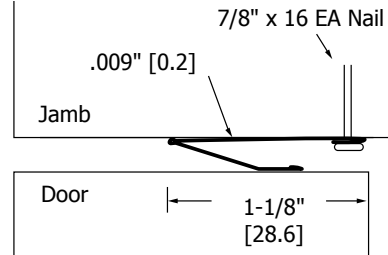
882S



Finishes: DBA, GLD, CLR
 Inserts: B
 Category: H, J
 Certifications:
 Notes: Order two (2) for a set

Spring Bronze

822S



Notes:

- "V" or cushion bronze weatherstrip, for wood or metal doors
- Supplied with fasteners, specify wood or metal application
- Fasteners should be 3" on center

