HAGER
COMPANIES

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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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: <u>891S</u> <u>V</u> <u>36 x 84</u> <u>MIL</u>

Item #	Gasketing	Size	Finish
516S	W-pile	36" (914 mm)	MIL - mill finish aluminum
520S	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" (1216 mm x 2438 mm)	OOO - gasket only

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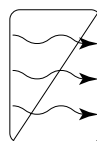
Air Infiltration
Products denoted by this symbol have been tested with air/smoke infiltration, all within the (0.500 cfm/sq. ft. for double doors and .300 cfm for single doors) maximum allowable leakage at a pressure of a 25 mph wind (1.56 psf). The tests were conducted in accordance with ASTM test procedures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

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 ameans 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.

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 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 sysem 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 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.

New and existing fire doors are classifed/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
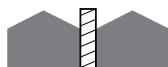
Wall Rating	Door and Frame Rating	Door Application and Use	Door Types		Fire Doors Edge Sealing System	Smoke Doors "S" Label Smoke Seal	Fire & Smoke Doors Combination Seal
4 Hr.	3 Hour (A Label) 180 Minute	Openings in fire walls and walls that divide a single building into fire areas	Hollow Metal Hollow Metal	Pairs Singles	— —	721, 726, 736, 737 721, 726, 736, 737	— —
2 Hr.	1$\frac{1}{2}$ 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 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	720, 722 — 720, 722 —
2 Hr.	1$\frac{1}{2}$ Hour (D Label) 90 minute	Opening where there is a chance of severe fire exposure from the exterior of the building	Hollow Metal Hollow Metal	Pairs Singles	— —	721, 726, 736, 737 721, 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 Wood	Pairs Singles	724, 729 724, 729	721, 726, 736, 737 721, 726, 736, 737	720, 722 720, 722

*Currently rating only applies to wood doors.

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
1 Hr.	$\frac{3}{4}$ 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 Hollow Metal	Pairs Singles	— —	721, 726, 736, 737 721, 726, 736, 737	— —
1 Hr.	$\frac{3}{4}$ 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
1 Hr.	*$\frac{1}{3}$ 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

*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.

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
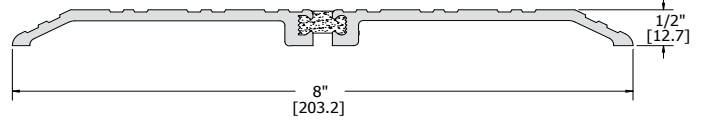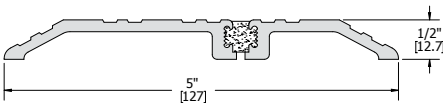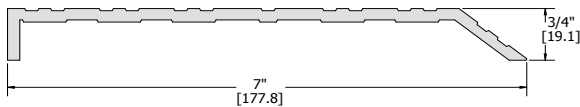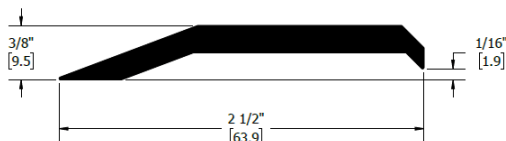• Color anodized thresholds are supplied with screws plated to match
• Stainless steel thresholds are supplied with stainless steel screws

401S
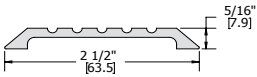
5/16" [7.9]
2 1/2" [63.5]

Finishes: MIL, DBA, BLA
Certifications:

402S

1/2" [12.7]
3" [76.2]
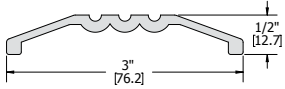
Finishes: MIL, DBA, BLA
Certifications:

403S
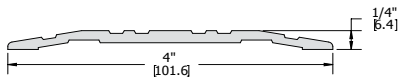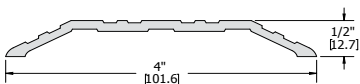
1/4" [6.4]
4" [101.6]

Finishes: MIL, DBA, BLA
Certifications:

404S

1/2" [12.7]
4" [101.6]

Finishes: MIL, DBA, BLA
Certifications:

410S

1/2" [12.7]
4" [101.6]

Finishes: MIL, DBA, BLA
Certifications:

412S

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

Finishes: MIL, DBA, BLA
Certifications:

413S

1/4" [6.4]
5" [127]
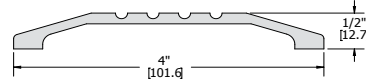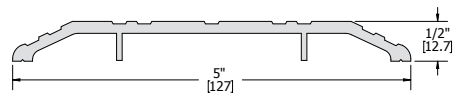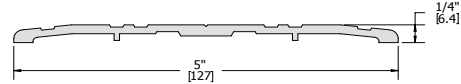
Finishes: MIL, DBA, BLA, US32D
Certifications:

415S

1/2" [12.7]
6" [152.4]

Finishes: MIL, DBA, BLA
Certifications:

416S

7"
[177.8]

1/2"
[12.7]

Finishes: MIL, DBA, BLA
Certifications:

417S

6"
[152.4]

1/4"
[6.4]

Finishes: MIL, DBA, BLA
Certifications:

418S

3"
[76.2]

1/4"
[6.4]

Finishes: MIL, DBA, BLA
Certifications:

426S

8"
[203.2]

1/2"
[12.7]

Finishes: MIL, DBA, BLA
Certifications:

427S

5"
[127]

1/2"
[12.7]

Finishes: MIL, DBA, BLA
Certifications:

428S

8"
[203.2]

1/4"
[6.4]

Finishes: MIL, DBA, BLA
Certifications:

430S

7"
[177.8]

1/4"
[6.4]

Finishes: MIL, DBA, BLA
Certifications:

436S

2 1/4"
[57.2]

3/16"
[4.8]

Finishes: MIL, DBA, BLA
Certifications:

448S

10"
[254]

1/4"
[6.4]

Finishes: MIL, DBA, BLA
Certifications:

492S

5"
[127]

1/2"
[12.7]

Finishes: MIL, DBA, BLA
Certifications:

10/03/2025
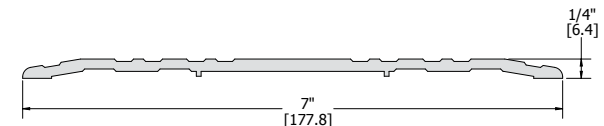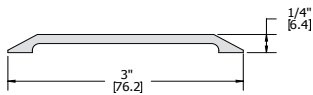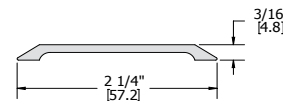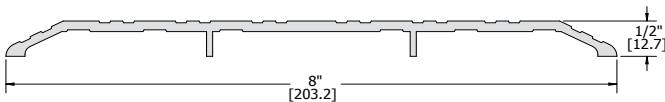
High strength thermal barrier is permanently bonded in place to block the transfer of heat or cold. To provide a seal, use in conjunction with a door bottom, sweep, shoe or bumper strip.

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
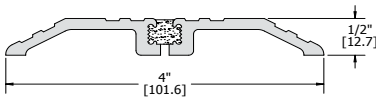
4"
[101.6]
1/2"
[12.7]

Finishes: MIL
Certifications:

421S
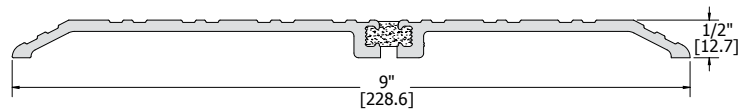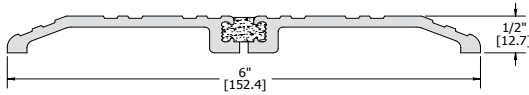
5"
[127]
1/2"
[12.7]

Finishes: MIL
Certifications:

422S

6"
[152.4]
1/2"
[12.7]

Finishes: MIL
Certifications:

BHMA CERTIFIED.

423S

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

Finishes: MIL
Certifications:

424S

8"
[203.2]
1/2"
[12.7]

Finishes: MIL
Certifications:

451S
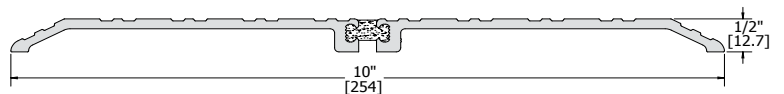
9"
[228.6]
1/2"
[12.7]

Finishes: MIL
Certifications:

452S

10"
[254]
1/2"
[12.7]
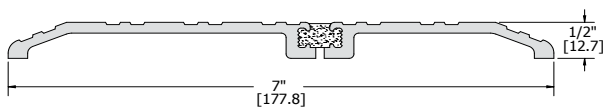
Finishes: MIL
Certifications:

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:

433S
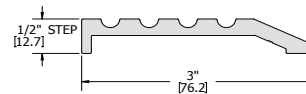
Finishes: MIL, DBA, BLA
Certifications:
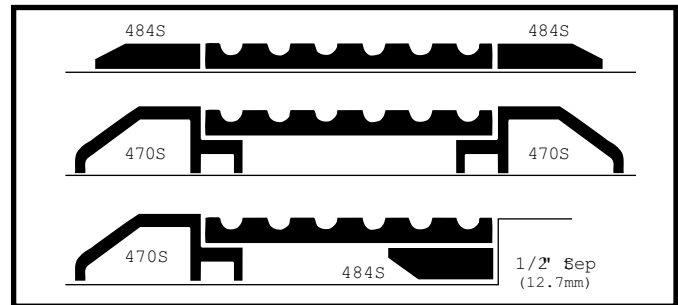
407S
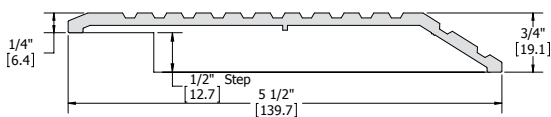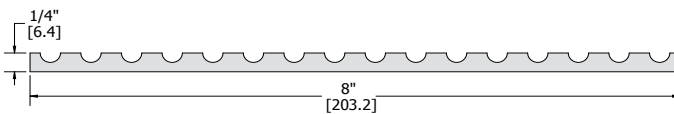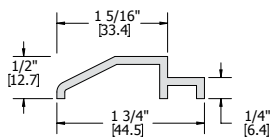

Finishes: MIL, DBA, BLA
Certifications:

438S
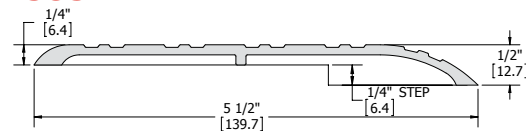
Finishes: MIL, DBA, BLA
Certifications:

431S
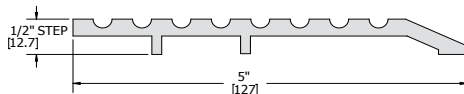
Finishes: MIL, DBA, BLA
Certifications:

432S
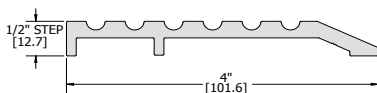
Finishes: MIL, DBA, BLA
Certifications:

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
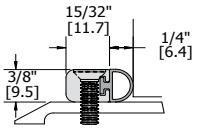
15/32"
[11.7]
1/4"
[6.4]
3/8"
[9.5]

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

484S
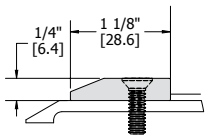
1 1/8"
[28.6]
1/4"
[6.4]

Finishes: MIL, DBA, BLA
Certifications:

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
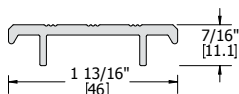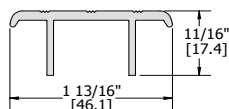
For use with outswinging doors to seal out the elements

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

504S

3/8" [9.5] 1/16" [1.9] 2 1/2" [63.9]

Finishes: MIL, DBA, BLA
Certifications:

434S

5/8" [15.9] 3 1/8" [78.8]

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

505S

7/16" [11.1] 1 13/16" [46]

Finishes: MIL, DBA, BLA
Certifications:

477S

1/2" [12.7] 5" [127] 1/8" [3.2]

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

508S

11/16" [17.4] 1 13/16" [46.1]
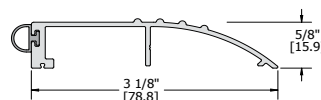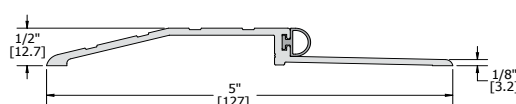
Finishes: MIL, DBA, BLA
Certifications:

478S

1/2" [12.7] 7" [177.8] 1/8" [3.2]
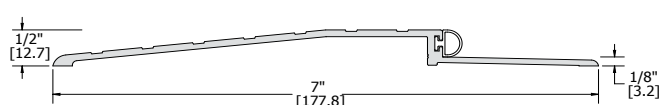
Finishes: MIL, DBA, BLA
Insert: V, N, S, W
Certifications:

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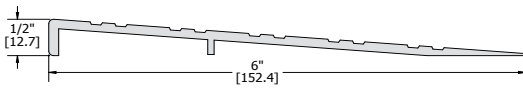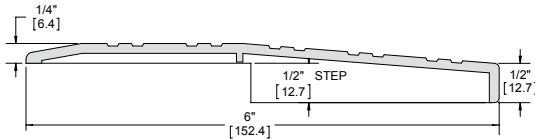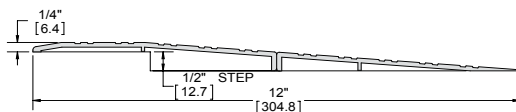
Floor plate components for modular threshold system. Used primarily for extra wide door frames or to cover expansion joints or floor joists

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

442S

1/2" [12.7]
6" [152.4]

Finishes: MIL, DBA, BLA
Certifications:

Typical Appications

484S   484S
470S   470S
470S   484S   1/2" Step (12.7mm)

443S

1/4" [6.4]
1/2" STEP [12.7]
1/2" [12.7]
6" [152.4]

Finishes: MIL, DBA, BLA
Certifications:

445S

1/4" [6.4]
3" [76.2]

Finishes: MIL, DBA, BLA
Certifications:

444S

1/4" [6.4]
1/2" STEP [12.7]
12" [304.8]

Finishes: MIL, DBA, BLA
Certifications:

460S

1/4"
[6.4]

6 1/8"
[155.6]

Finishes: MIL, DBA, BLA
Certifications:

465S

1/4"
[6.4]

8"
[203.2]

Finishes: MIL, DBA, BLA
Certifications:

470S

1 5/16"
[33.4]

1/2"
[12.7]

1 3/4"
[44.5]

1/4"
[6.4]

Finishes: MIL, DBA, BLA
Certifications:

484S

1/4"
[6.4]

1 1/8"
[28.6]

Finishes: MIL, DBA, BLA
Certifications:

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 Appications

EXTERIOR   INTERIOR

520S

1/2" [12.7] 1/4" [6.4] 5" [127]
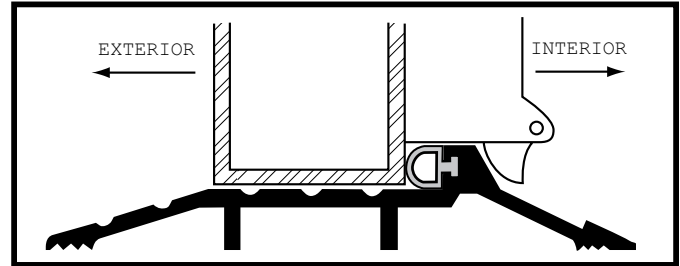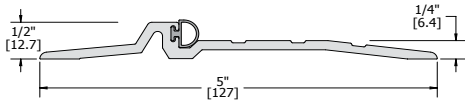
Finishes: MIL, DBA, BLA
Inserts: V, N, S, W
Door Undercut: Allow 3/8"
Certifications:

552S

3/4" [19.1] 3/8" [9.5] 5" [127]
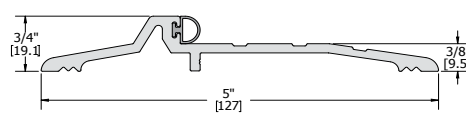
Finishes: MIL, DBA, BLA
Inserts: V, N, S, W
Door Undercut: Allow 1/2"
Certifications:

532S
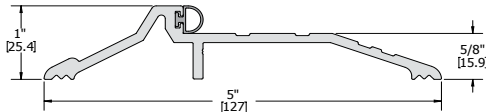
1" [25.4] 5/8" [15.9] 5" [127]

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

560S

1" [25.4] 5/8" [15.9] 3 1/2" [88.9]
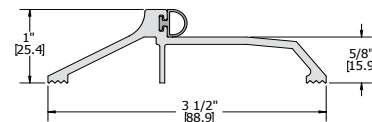
Finishes: MIL, DBA, BLA
Inserts: V, N, S, W
Door Undercut: Allow 3/4"
Certifications:

541S

7/8" [22.2] 1/2" [12.7] 5" [127]
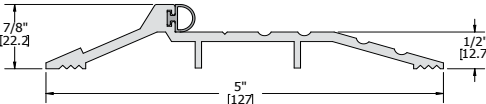
Finishes: MIL, DBA, BLA
Inserts: V, N, S, W
Door Undercut: Allow 5/8"
Certifications:

565S

7/8" [22.2] 1/2" [12.7] 3 5/8" [92]

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

575S

Finishes: MIL, DBA, BLA
Inserts: V, N, S, W
Door Undercut: Allow 11/16"
Certifications:
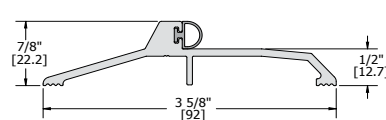
580S
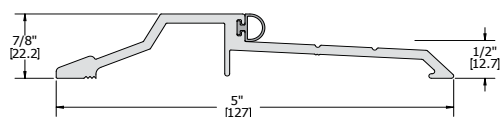
Finishes: MIL, DBA, BLA
Inserts: V, N, S, W
Door Undercut: Allow 5/8"
Certifications:

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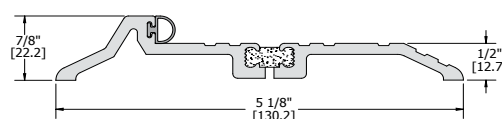
Finishes: MIL
Inserts: V, N, S, W
Certifications:

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

3/8"
[9.5]

4" [101.6], 5" [127], 6" [152.4]
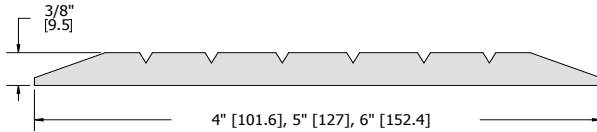
Finishes: CAL, BLA
Certifications:

627S

1/2"
[12.7]

4" [101.6], 5" [127], 6" [152.4]

Finishes: CAL, BLA
Certifications:

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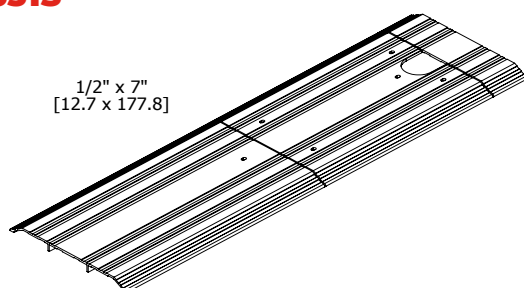
1/2" x 7"
[12.7 x 177.8]

Finishes: MIL, DBA, BLA
Certifications:

Notes: • Center hung
                        • Without mitered ends

652S
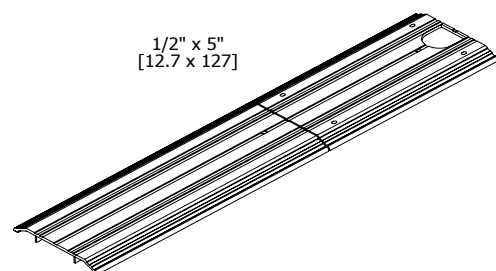
1/2" x 5"
[12.7 x 127]

Finishes: MIL, DBA, BLA
Certifications:

Notes: • Center hung
                        • Without mitered ends

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
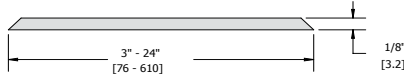
Finishes: MIL, BLA
Certifications:

677S
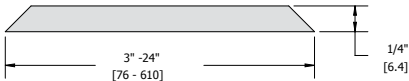
Finishes: MIL, BLA
Certifications:

Vinyl Thresholds
Transition between different floor types.

900S
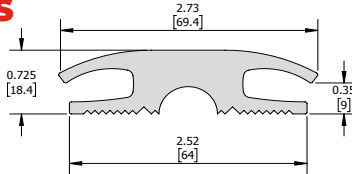
Finishes: Black
Certifications:

Notes: Transition between carpet to carpet applications

901S
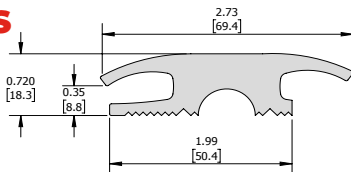
Finishes: Black
Certifications:

Notes: Transition between carpet to tile applications

902S
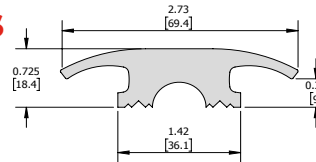
Finishes: Black
Certifications:

Notes: Transition between tile to tile applications

903S
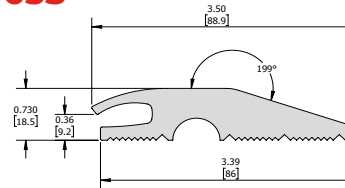
Finishes: Black
Certifications:

Notes: Transition to carpet

904S
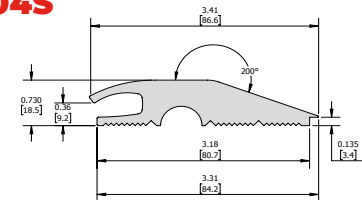
Finishes: Black
Certifications:

Notes: Transition between carpet to tile applications

905S
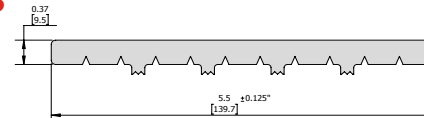
Finishes: Black
Certifications:

Notes: Transition between communicating door frames

709S
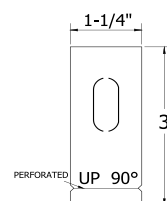
Finishes: Black
Certifications:

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

810S

HEAD

DOOR

1 1/2"
[38.1]

2 1/2"
[63.5]

Finishes: MIL, DBA, BLA
Certifications:

BHMA
CERTIFIED.

770S

19/32"
[15.1]

1-3/8"
[35]

1 7/8"
[47.6]
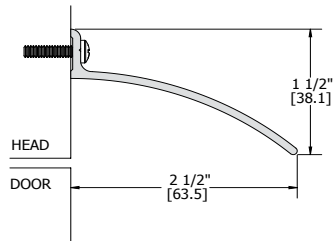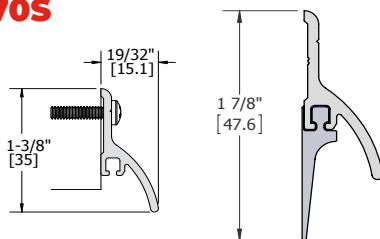
Finishes: MIL, DBA, BLA
Inserts: B, V, or without insert
Category: H, J (with insert)
Certifications:

c(UL)us
LISTED

Weatherstripping - Press On Gasketing

Adhesive Mullion Seal

710S

1.125 [28.6]
0.188 [4.8]
0.750" WIDE LOHMAN 370 ADHESIVE CENTER ON THIS SURFACE
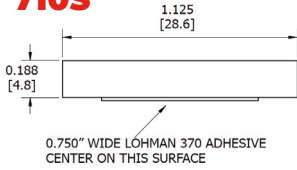
Finishes: Black
Category: H&J
Certifications:

Notes:
• Sponge, Neoprene

720

1/16" [1.6]
1/2" [12.7]
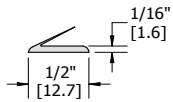
Finishes: Charcoal, Brown, White
Category: H, G, J
Certifications:

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

722

1/4" [6.4]
1/2" [12.7]
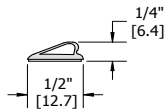
Finishes: Charcoal, Brown
Category: H, G, J
Certifications:

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

1/2" [12.7]
1/4" [6.4]
1/2" [12.7]
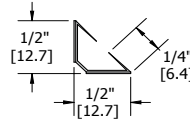
Finishes: Charcoal, Brown, Gray, White
Category: H, J
Certifications: BHMA CERTIFIED.

Notes:
Thermoplastic Elastomer (TPE) material

724

1/16" [1.6]
1 9/16" [39.8]
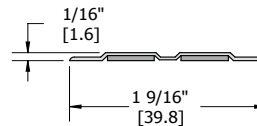
Finishes: Charcoal, Brown
Category: G
Certifications:

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

729

1/2" [12.7]
1/16" [1.6]
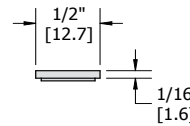
Finishes: Charcoal, Brown, White
Category: G
Certifications: BHMA CERTIFIED.

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

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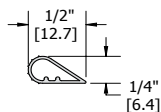
Finishes:	Charcoal, Brown, Tan, White
Category:	H, J
Certifications:	
Notes:	Silicone Material

728
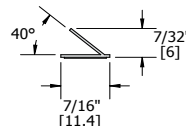
Finishes:	Charcoal
Category:	J
Certifications:	
Notes:	Silicone material

736
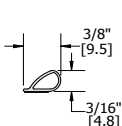
Finishes:	Charcoal, White
Category:	H,J
Certifications:	
Notes:	Silicone Material

738
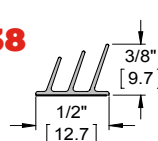
Finishes:	Charcoal
Category:	J
Certifications:	
Notes:	Silicone material

737
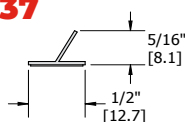
Finishes:	Charcoal
Category:	H, J
Certifications:	
Notes:	Silicone material

739
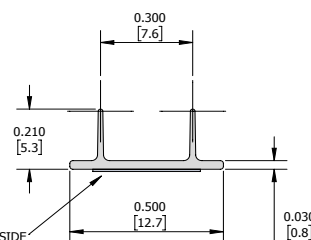
ADHESIVE CENTERED ON THIS SIDE

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

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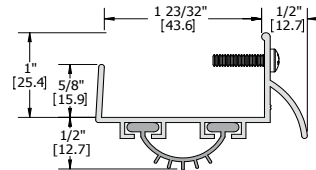
Finishes: MIL, DBA, BLA
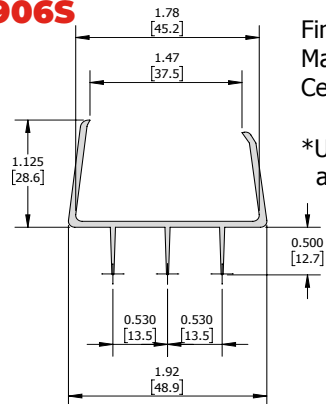Inserts: V, N
Category: H, J
Certifications:

776S
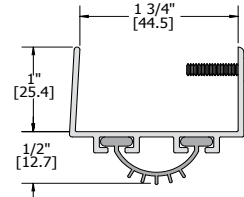
Finishes: CLR, DBA, BLA
Inserts: N
Category: H, J
Certifications:

777S

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

778S

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

779S
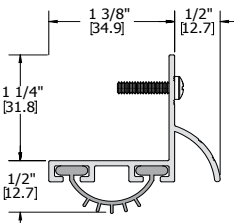
Finishes: MIL, DBA, BLA
Inserts: V, N
Category: H, J
Certifications:

780S
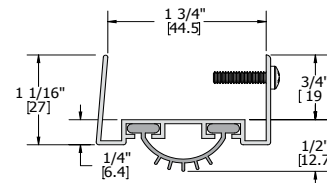
Finishes: MIL, DBA, BLA
Inserts: V, N
Category: H, J
Certifications:

782S
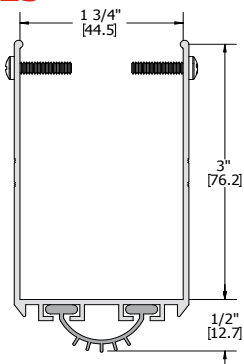
Finishes:	MIL, DBA, BLA
Inserts:	V, N
Category:	H, J
Certifications:	

783S
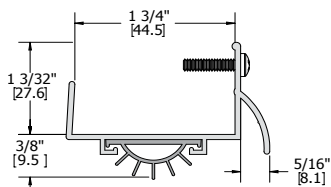
Finishes:	MIL, DBA, BLA
Inserts:	V
Category:	J
Certifications:	

787S
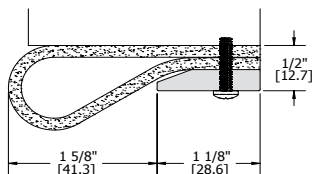
Finishes:	MIL, BLA
Inserts:	V
Category:	H, J
Certifications:	

789S
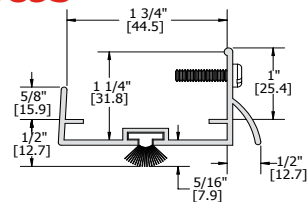
Finishes:	MIL, DBA, BLA
Inserts:	W
Category:	H, J
Certifications:	

906S

Finishes:	Brown
Material:	PVC
Certifications:	

*Unnotched & Notched profiles available

907S
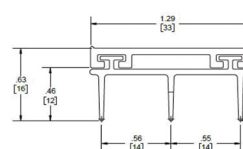
Finishes:	MIL, DBA, BLA
Inserts:	V
Certifications:	

*Unnotched & Notched profiles available

909S
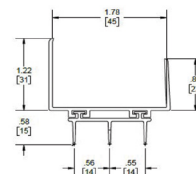
Finishes:	MIL, DBA, BLA, CLR
Inserts:	V
Certifications:	

*Unnotched & Notched profiles available

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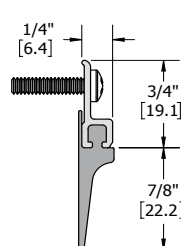
Fasteners:
- #8 x 1-1/4" pan head sheet metal screws furnished with surface mount types
- #6 x 5/8" Pan head sheet metal screws furnished with mortise types

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

730S - Mortise
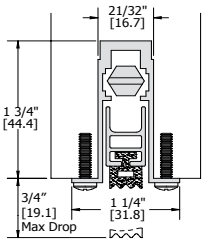
21/32" [16.7]
1 3/4" [44.4]
3/4" [19.1] Max Drop
1 1/4" [31.8]

Finishes:	MIL, BLA
Inserts:	N, S
Category:	H, J
Certifications:	c(UL)us LISTED BHMA CERTIFIED
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).

742S - Mortise

1 3/8" [9.5]
3/4" [19]
5/32" [3.9]
MAX 1/2" DROP
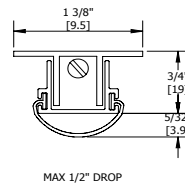
Finishes:	MIL
Inserts:	V
Category:	J
Certifications:	c(UL)us LISTED
Notes:	For use on hollow metal door. Available order lengths: 24" to 60". 24" cannot be trimmed. 36" to 48" can be trimmed up to 3". All other sizes can be trimmed up to 1".

740S - Surface
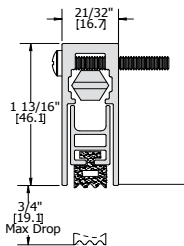
21/32" [16.7]
1 13/16" [46.1]
3/4" [19.1] Max Drop

Finishes:	DBA, BLA, CLR
Inserts:	N, S
Category:	H, J
Certifications:	c(UL)us LISTED BHMA CERTIFIED
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).

743S - Mortise
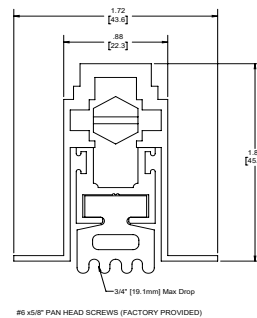
1.72 [43.6]
.88 [22.3]
1.80 [45.6]
3/4" [19.1mm] Max Drop
#6 x5/8" PAN HEAD SCREWS (FACTORY PROVIDED)

Finishes:	MIL, BLA
Inserts:	N
Category:	H, J
Certifications:	c(UL)us LISTED BHMA CERTIFIED
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
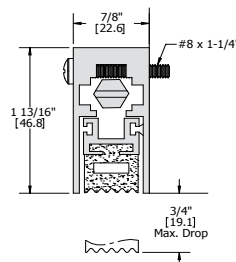
7/8" [22.6]
#8 x 1-1/4"
1 13/16" [46.8]
3/4" [19.1] Max. Drop

Finishes:	CLR, DBA, BLA
Inserts:	N
Category:	H, J
Certifications:	c(UL)us LISTED BHMA CERTIFIED
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).

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
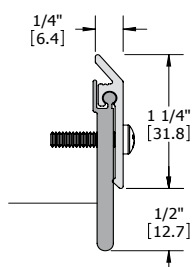
1/4" [6.4]
1 1/4" [31.8]
1/2" [12.7]

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

756S

1/4" [6.4]
3/4" [19.1]
7/8" [22.2]

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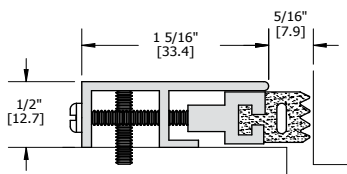Inserts: V
Category: H, J
Certifications:

752S

1/4" [6.4]
1 1/16" [27]
3/4" [19.1]
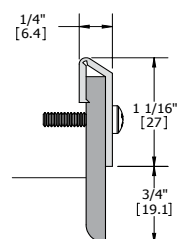
Finishes: CLR, DBA, BLA
Inserts: V
Category: H, J
Certifications:

759S

1/4" [6.3]
27/32" [21.4]
31/32" [24.6]
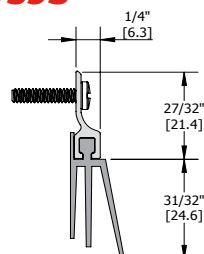
Finishes: MIL, DBA, BLA
Inserts: V
Category: H, J
Certifications:

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

753S

1/4" [6.4]
3/4" [19.1]
15/16" [23.8]
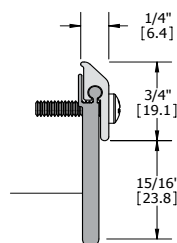
Finishes: MIL, DBA, BLA
Inserts: N
Category: H, J
Certifications:

770S

19/32" [15.1]
1-3/8" [35]
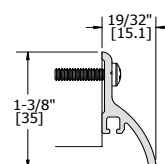
Finishes: MIL, DBA, BLA
Inserts: B, V
Category: H, J
Certifications:

754S

1/4" [6.4]
1 1/4" [31.8]
1" [25.4]

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

801S

7/16" [11.4]
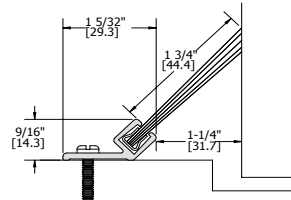1" [25.4]
1" [25.4]

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

802S

1/4" [6.4]
3/4" [19.1]
1/2" [12.7]

Finishes:	MIL, DBA, BLA
Inserts:	B
Category:	H, J
Certifications:	c(UL)us LISTED BHMA CERTIFIED

806S

1/4" [6.4]
3/4" [19.1]
1 7/16" [36.4]

Finishes:	MIL, DBA, BLA
Inserts:	B
Category:	H, J
Certifications:	c(UL)us LISTED

872S

1/4" [6.4]
7/8" [22.2]
5/8" [15.9]

Finishes:	DBA, BLA, CLR
Inserts:	N
Category:	H, J
Certifications:	c(UL)us LISTED

882S

5/16" [8.3]
1" [25.4]
1-9/16" [39.5]
9/16" [14.1]

Finishes:	DBA, BLA, CLR
Inserts:	B
Category:	H, J
Certifications:	c(UL)us LISTED

884S

5/16" [8.3]
1" [25.4]
1-7/8" [47.6]
7/8" [22.2]
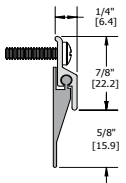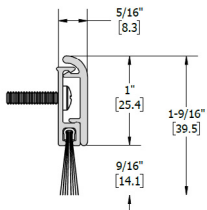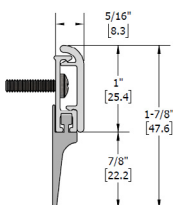
Finishes:	DBA, BLA, CLR
Inserts:	V
Category:	H, J
Certifications:	c(UL)us LISTED

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
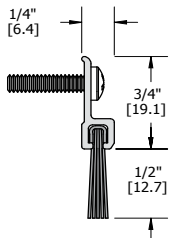
860S

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

865S
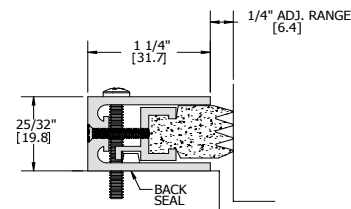
Finishes: MIL, DBA, BLA
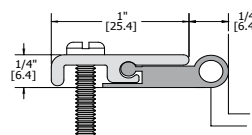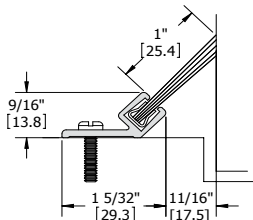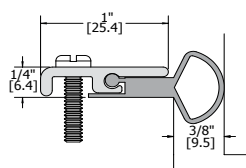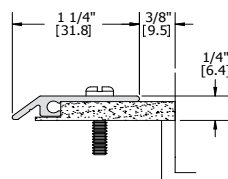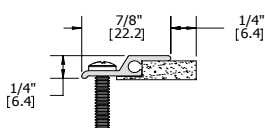Inserts: N
Category: H, J
Certifications:

864S

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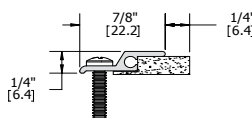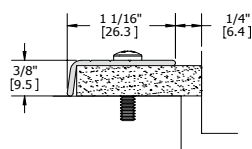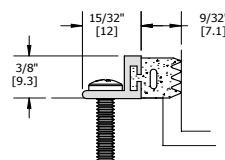Certifications:

866S
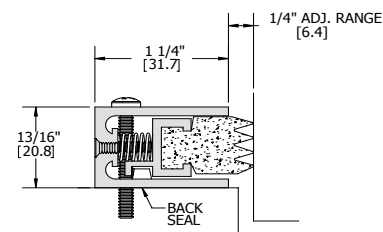
Finishes: MIL, DBA, BLA
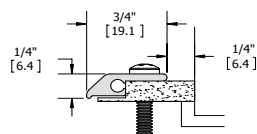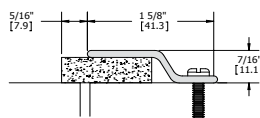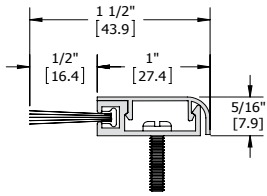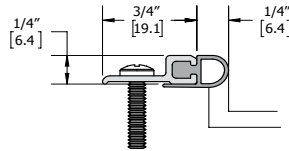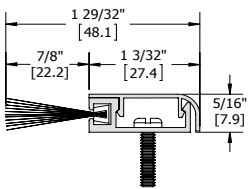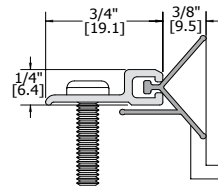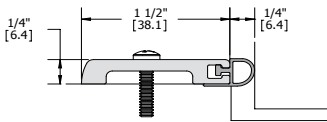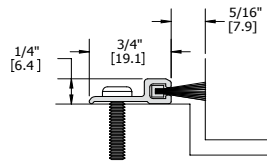Inserts: N
Category: H, J
Certifications:

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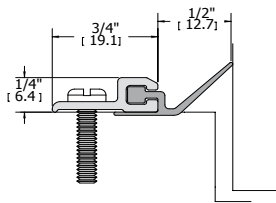
Finishes:	MIL, DBA, BLA
Inserts:	N
Category:	H, J
Certifications:	

808S

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

800S
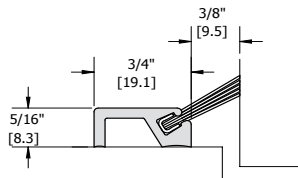
Finishes:	MIL, DBA, BLA
Inserts:	B
Category:	H, J
Certifications:	

861S
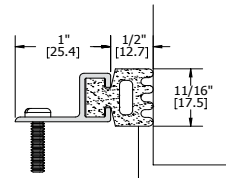
Finishes:	MIL, DBA, BLA
Inserts:	N
Category:	H, J
Certifications:	

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:	

863S

1"
[25.4]
1/4"
[6.4]
3/8"
[9.5]

Finishes:	DBA, BLA, , CLR
Inserts:	N
Category:	H, J
Certifications:	c(UL)us LISTED

870S

7/8"
[22.2]
1/4"
[6.4]
1/4"
[6.4]

Finishes:	DBA, BLA, CLR
Inserts:	N
Category:	H, J
Certifications:	c(UL)us LISTED BHMA CERTIFIED.
Notes:	Adjustable

871S

1 1/16"
[26.3]
1/4"
[6.4]
3/8"
[9.5]

Finishes:	MIL, BLA, DBA
Inserts:	N
Category:	H, J
Certifications:	c(UL)us LISTED

873S

3/4"
[19.1]
1/4"
[6.4]
1/4"
[6.4]

Finishes:	MIL, BLA, DBA
Inserts:	N
Category:	H, J
Certifications:	c(UL)us LISTED BHMA CERTIFIED.

874S

5/16"
[7.9]
1 5/8"
[41.3]
7/16"
[11.1]

Finishes:	MIL, DBA, BLA US32D
Inserts:	N
Category:	H, J
Certifications:	c(UL)us LISTED

875S

1 1/4"
[31.8]
3/8"
[9.5]
1/4"
[6.4]

Finishes:	DBA, BLA, , CLR
Inserts:	N, S
Category:	H, J
Certifications:	c(UL)us LISTED BHMA CERTIFIED.

878S

7/8"
[22.2]
1/4"
[6.4]
1/4"
[6.4]

Finishes:	DBA, BLA, CLR
Inserts:	N
Category:	H, J
Certifications:	c(UL)us LISTED BHMA CERTIFIED.

880S

15/32"
[12]
9/32"
[7.1]
3/8"
[9.3]

Finishes:	MIL, DBA, BLA
Inserts:	N
Category:	H, J
Certifications:	c(UL)us LISTED

882S

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

891S

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

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
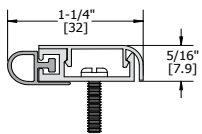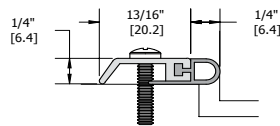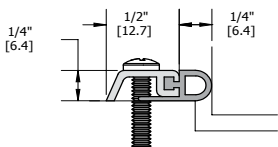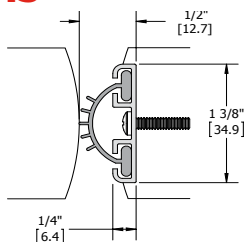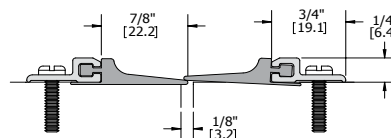Inserts: V, N, S, W
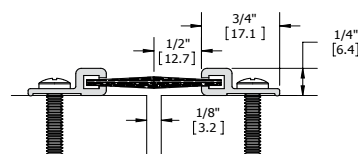Category: H, J
Certifications:

893S

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

885S

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

896S

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

890S

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

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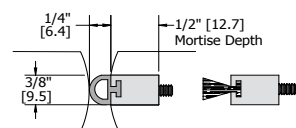
Finishes: MIL, DBA, BLA
Inserts: V, W, N, S
Category: H, J
Certifications:

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:

802S

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

Notes: Order two (2) for a set

835S

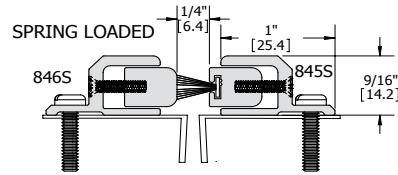
Finishes: MIL, DBA, BLA, US32D, USP
Category: J
Certifications:

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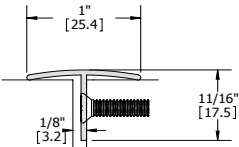   • Available with thrubolts

836S

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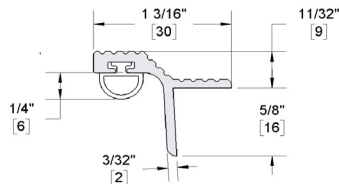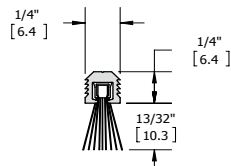Certifications:

837S

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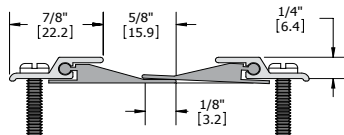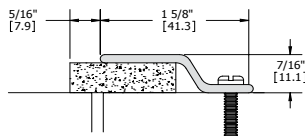Inserts: W, V, N, S
Category: H, J
Certifications:

839S

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

845S | 846S

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

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

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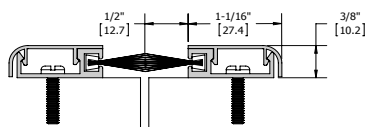
Finishes:	DBA, BLA, CLR
Inserts:	B
Category:	H, J
Certifications:	
Notes:	Order two (2) for a set

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