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

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GENERAL INFORMATION

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

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

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

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

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.

Example:
Item #  Gasketing  Size  Finish
516S    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)  OO -  gasket only
GENERAL INFORMATION

FASTENERS

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

Optional

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

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

<table>
<thead>
<tr>
<th>STC Rating</th>
<th>Static Door</th>
<th>Operable Door</th>
<th>Perimeter Seal</th>
<th>Door Bottom</th>
<th>Corner Pad</th>
<th>Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>49</td>
<td>41</td>
<td>737 &amp; 866S</td>
<td>743S</td>
<td>709</td>
<td>417S</td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>37</td>
<td>738 &amp; 737</td>
<td>743S</td>
<td>709</td>
<td>417S</td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>40</td>
<td>726</td>
<td>743S</td>
<td>709</td>
<td>520S</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>40</td>
<td>738 &amp; 737</td>
<td>774S</td>
<td>709</td>
<td>417S</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>40</td>
<td>738 &amp; 866S</td>
<td>774S</td>
<td>709</td>
<td>417S</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>39</td>
<td>726(2)</td>
<td>743S</td>
<td>709</td>
<td>520S</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>35</td>
<td>738 &amp; 737</td>
<td>774S</td>
<td>709</td>
<td>417S</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>35</td>
<td>726 &amp; 736</td>
<td>774S</td>
<td>709</td>
<td>417S</td>
<td></td>
</tr>
</tbody>
</table>

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.
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

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 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

<table>
<thead>
<tr>
<th>Wall Rating</th>
<th>Door and Frame Rating</th>
<th>Door Application and Use</th>
<th>Door Types</th>
<th>Fire Doors Edge Sealing System</th>
<th>Smoke Doors “S” Label Smoke Seal</th>
<th>Fire &amp; Smoke Doors Combination Seal</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Hr.</td>
<td>3 Hour (A Label)</td>
<td>Openings in fire walls and walls that divide a single building into fire areas</td>
<td>Hollow Metal Pairs; Hollow Metal Singles</td>
<td>721, 726, 736, 737</td>
<td>721, 726, 736, 737</td>
<td>—</td>
</tr>
<tr>
<td>2 Hr.</td>
<td>1 1/2 Hour (B Label)</td>
<td>Openings to stairwells and elevator shafts; vertical communication or egress through a building, including 2-hr. rated partitions providing horizontal fire separations</td>
<td>Wood Composite Pairs; Hollow Metal Singles</td>
<td>724, 729</td>
<td>721, 726, 736, 737</td>
<td>719, 720, 722, 734</td>
</tr>
<tr>
<td>2 Hr.</td>
<td>1 1/2 Hour (D Label)</td>
<td>Opening where there is a chance of severe fire exposure from the exterior of the building</td>
<td>Hollow Metal Pairs; Hollow Metal Singles</td>
<td>721, 726, 736, 737</td>
<td>721, 726, 736, 737</td>
<td>—</td>
</tr>
<tr>
<td>1 Hr.</td>
<td>*1 Hour (B Label)</td>
<td>Doors that divide occupancies in a building (building less than 4 stories tall)</td>
<td>Wood Composite Pairs; Wood Composite Singles</td>
<td>724, 729</td>
<td>721, 726, 736, 737</td>
<td>719, 720, 722, 734</td>
</tr>
<tr>
<td>1 Hr.</td>
<td>*1/3 Hour (C Label)</td>
<td>Openings in corridors where smoke and draft control is required</td>
<td>Hollow Metal Pairs; Wood/Particle Core Singles</td>
<td>724, 729</td>
<td>721, 726, 736, 737</td>
<td>719, 720, 722, 734</td>
</tr>
</tbody>
</table>

*Currently rating only applies to wood doors.

*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

- **Finish:** MIL, DBA, GLD
- **Certifications:** BHMA

### 402S

- **Finish:** MIL, DBA, GLD
- **Certifications:** BHMA

### 403S

- **Finish:** MIL, DBA, GLD
- **Certifications:** BHMA

### 404S

- **Finish:** MIL, DBA, GLD
- **Certifications:** BHMA

### 410S

- **Finish:** MIL, DBA, GLD
- **Certifications:** BHMA

### 412S

- **Finish:** MIL, DBA, GLD
- **Certifications:** BHMA

### 413S

- **Finish:** MIL, DBA, GLD, US32D
- **Certifications:** BHMA

### 414S

- **Finish:** MIL, DBA, GLD
- **Certifications:** BHMA

### 415S

- **Finish:** MIL, DBA, GLD
- **Certifications:** BHMA
**Thresholds - Saddle**

### 416S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**
- **Dimensions:**
  - 7" [177.8]
  - 1/2" [12.7]

### 417S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**
- **Dimensions:**
  - 6" [152.4]
  - 1/4" [6.4]

### 418S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**
- **Dimensions:**
  - 3" [76.2]

### 426S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**
- **Dimensions:**
  - 8" [203.2]

### 428S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**
- **Dimensions:**
  - 8" [203.2]

### 430S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**
- **Dimensions:**
  - 7" [177.8]

### 436S

- **Finishes:** MIL, DBA
- **Certifications:**
- **Dimensions:**
  - 2 1/4" [57.2]

### 448S

- **Finishes:** MIL, DBA
- **Certifications:**
- **Dimensions:**
  - 5/4" [6.4]

### 427S

- **Finishes:** MIL, DBA
- **Certifications:**
- **Dimensions:**
  - 5" [127.0]

### 492S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**
- **Dimensions:**
  - 5" [127.0]
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: 

421S

Finishes: MIL, DBA, GLD
Certifications: 

422S

Finishes: MIL, DBA, GLD
Certifications: 

423S

Finishes: MIL, DBA, GLD
Certifications: 

424S

Finishes: MIL, DBA, GLD
Certifications: 

451S

Finishes: MIL, DBA, GLD
Certifications: 

452S

Finishes: MIL, DBA, GLD
Certifications: 

453S

Finishes: MIL, DBA, GLD
Certifications: 

454S

Finishes: MIL, DBA, GLD
Certifications: 

9" [228.6]

THRESHOLDS
www.hagerco.com
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: BHMA, UL Listed

**407S**
- Finishes: MIL, DBA, GLD
- Certifications: BHMA, UL Listed

**431S**
- Finishes: MIL, DBA, GLD
- Certifications: BHMA, UL Listed

**432S**
- Finishes: MIL, DBA, GLD
- Certifications: BHMA, UL Listed

**433S**
- Finishes: MIL, DBA, GLD
- Certifications: BHMA, UL Listed

**438S**
- Finishes: MIL, DBA
- Certifications: BHMA, UL Listed

**572S**
- Finishes: MIL, DBA, GLD
- Certifications: BHMA, UL Listed
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: 

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

408S

508S - 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

504S

505S

506S

508S
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:**

---

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:**
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**

### 440S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**

![Image](image1.png)

### 445S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**

![Image](image2.png)

### 450S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**

![Image](image3.png)

### 455S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**

![Image](image4.png)

### 460S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**

![Image](image5.png)

### 465S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**

![Image](image6.png)

### 470S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**

![Image](image7.png)

### 484S

- **Finishes:** MIL, DBA, GLD
- **Certifications:**

![Image](image8.png)
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 undercuts may be required

Typical Applications

520S

![Diagram of 520S threshold]

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

532S

![Diagram of 532S threshold]

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

541S

![Diagram of 541S threshold]

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

552S

![Diagram of 552S threshold]

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

560S

![Diagram of 560S threshold]

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

565S

![Diagram of 565S threshold]

- Finishes: MIL, DBA, GLD
- 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 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

---

### 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"

### 516S

- **Finishes:** MIL, DBA, GLD
- **Inserts:** V, N, S, W

### 599S

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

### 518S

- **Finishes:** MIL, DBA, GLD
- **Inserts:** V, N, S, W
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: UL Listed

701S

Finishes: MIL
Fasteners: #6 x 7/8" nail
Certifications: UL Listed
Notes: J-Hook interlocks with threshold to seal against wind and rain.

604S

Finishes: MIL, DBA
Certifications: UL Listed
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**

<table>
<thead>
<tr>
<th>3/8&quot; [9.5]</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; [101.6], 5&quot; [127], 6&quot; [152.4]</td>
</tr>
</tbody>
</table>

Finish: CAL

Certifications: 

**627S**

<table>
<thead>
<tr>
<th>1/2&quot; [12.7]</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; [101.6], 5&quot; [127], 6&quot; [152.4]</td>
</tr>
</tbody>
</table>

Finish: 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: BHMA

Notes:
- Center hung
- Without mitered ends

652S - Center Hung

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

Finishes: MIL, DBA
Certifications: BHMA

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

3" - 24" [76 - 610] 1/8" [3.2]

Finishes: MIL
Certifications:

677S

3" - 24" [76 - 610] 1/4" [6.4]

Finishes: MIL
Certifications:

Vinyl Thresholds
Transition between different floor types.

902S

2.73 [69.4] 0.725 [18.4] 0.35 [9]

Finishes: Black
Certifications:

Notes: Transition between tile to tile applications.

903S

3.50 [88.9] 0.730 [18.5] 0.36 [9.2]

Finishes: Black
Certifications:

Notes: Transition to carpet.

904S

3.41 [86.6] 0.735 [18.7] 0.36 [9.2]

Finishes: Black
Certifications:

Notes: Transition between carpet to tile applications.

905S

0.37 [9.4] 0.720 [18.3] 0.35 [9]

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

1 1/8” [28]
3/4” [19.1]

Finishes:
Certifications:
MIL, DBA

718S

5/8” [15.9]
3/4” [19.1]

Finishes:
Inserts:
Certifications:
MIL, DBA, GLD

770S

1 3/8” [35]
1 7/8” [47.6]

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

810S

1 1/2” [38.1]
2 1/2” [63.5]

Finishes:
Certifications:
MIL, DBA, GLD

709S

1-1/4”

Finish:
Certifications:
Black
### WEATHERSTRIPPING - PRESS-ON GASKETING

#### Adhesive Mullion Seal

**710S**

- **Finishes:** Charcoal, Brown
- **Category:** H, G, J
- **Certifications:** Intumescent material
- **Notes:** Requires 1/8" clearance

#### 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, Gray, White
- **Category:** H, J
- **Certifications:** Intumescent material
- **Notes:** Thin design for doors and frames with tight tolerances

**720**

- **Finishes:** Charcoal, Brown, White
- **Category:** H, G, J
- **Certifications:** Intumescent material
- **Notes:** Requires 1/8" clearance. Recommend 3/16" backset - door side hinge

**722**

- **Finishes:** Charcoal, Brown, White
- **Category:** H, G, J
- **Certifications:** Intumescent material
- **Notes:** Requires 1/8" clearance. Recommend 3/16" backset - door side hinge

#### Edge-Sealing Systems

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

**721**

- **Finishes:** Charcoal, Brown, Gray, White
- **Category:** H, J
- **Certifications:** Intumescent material
- **Notes:** Thermoplastic Elastomer (TPE) material

**724**

- **Finishes:** Charcoal, Brown
- **Category:** G
- **Certifications:** Intumescent material
- **Notes:** Thermoplastic Elastomer (TPE) material

**729**

- **Finishes:** Charcoal, Brown, White
- **Category:** G
- **Certifications:** Intumescent material
- **Notes:** 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**

**728**

**736**

**738**

**737**

**739**

**Draft Control Gaskets**

**725**

**Notes:**

- Material: Charcoal
- Finish: Charcoal, Brown, Tan, White
- Certification: BHMA

**Notes:**

- Material: Charcoal
- Finish: Charcoal
- Certification: BHMA

**Notes:**

- Material: Silicone material
- Finish: Charcoal, White
- Certification: BHMA

**Notes:**

- Material: Charcoal
- Finish: Charcoal
- Certification: BHMA

**Notes:**

- Material: Silicone material
- Finish: Charcoal
- Certification: BHMA

**Notes:**

- Material: Sponge neoprene material
- Finish: Charcoal
- Certification: BHMA
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

![Diagram](image)

**Finishes:** MIL, DBA

**Inserts:** V, N

**Category:** H, J

---

### 776S

![Diagram](image)

**Finishes:** CLR, DBA, GLD

**Inserts:** N

**Category:** H, J

---

### 777S

![Diagram](image)

**Finishes:** MIL, DBA, GLD

**Inserts:** V, N

**Category:** H, J

---

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WEATHERSTRIPPPING - DOOR BOTTOMS

779S

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

780S

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

782S

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

783S

Finishes: MIL, DBA, GLD
Inserts: V
Category: J
Certifications: ISO, CSA, UL

787S

Finishes: MIL
Inserts: N
Category: H, J
Certifications: ISO, CSA, UL

789S

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

906S

Finishes: Brown
Material: PVC
Certifications: ISO, CSA, UL

*Unnotched & Notched profiles available
WEATHERSTRIPPING - DOOR BOTTOMS

907S

Finishes: MIL, DBA, GLD
Insert: V
Certifications: UL
*Unnotched & Notched profiles available

908S

Finishes: MIL, DBA, GLD, CLR
Insert: V
Certifications: UL
*Unnotched & Notched profiles available

909S

Finishes: MIL, DBA, GLD, CLR
Insert: V
Certifications: UL
*Unnotched & Notched profiles available
WEATHERSTRIPPING - AUTOMATIC DOOR BOTTOMS

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

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/GLD end caps available on MIL or CLR devices (Not available on 742S)

730S - Mortise

Finishes: MIL
Inserts: N, S
Category: H, J
Certifications: BHMA, UL
Notes: Available order lengths:
12" to 60". Lengths 16"-29" may be trimmed for fitting (2" maximum).
Lengths 30"-60" may be trimmed for fitting (5" maximum).

740S - Surface

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

Finishes: MIL
Inserts: V
Category: J
Certifications: BHMA, UL
Notes: For use on hollow metal door
Available order lengths: 24" to 60".
24" cannot be trimmed.
36" to 48" can be trimmed up to 3".
All other sizes can be trimmed up to 1".

743S - Mortise

Finishes: MIL
Inserts: N
Category: H, J
Certifications: BHMA, UL
Notes: Available order lengths:
12" to 60". Lengths 16"-29" may be trimmed for fitting (2" maximum).
Lengths 30"-60" may be trimmed for fitting (5" maximum).

747S - Surface

Finishes: CLR, DBA, GLD
Inserts: N
Category: H, J
Certifications: BHMA, UL
Notes: Available order lengths:
12" to 60". Lengths 16"-29" may be trimmed for fitting (2" maximum).
Lengths 30"-60" may be trimmed for fitting (5" maximum).
WEATHERSTRIPPING - DOOR BOTTOM SWEEPS

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

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

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

750S

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

752S

Finish: MIL, DBA, GLD
Inserts: V
Category: H, J
Certifications: BHMA

753S

Finish: MIL, DBA, GLD
Inserts: N
Category: H, J
Certifications: BHMA

754S

Finish: DBA, GLD, CLR
Inserts: N
Category: H, J
Certifications: BHMA

756S

Finish: MIL, DBA, GLD
Inserts: V
Category: H, J
Certifications: BHMA

#6 x 5/8” PAN HEAD SHEET METAL SCREWS (FACTORY PROVIDED)
WEATHERSTRIPPING - DOOR BOTTOM SWEEPS

759S

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

770S

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

801S

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

802S

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

806S

```
| 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: 

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WEATHERSTRIPPING - ADJUSTABLE JAMB WEATHERSTRIPPING

Fasteners: #6 x 5/8" pan head sheet metal screws
Notes: • MIL finish weatherstripping is supplied with zinc plated screws
• Color anodized weatherstripping is supplied with screws plated to match
• Stainless steel weatherstripping is supplied with stainless steel screws

860S

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

865S

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

866S

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

864S

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

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

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

785S

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

802S

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

803S

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

800S

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

808S

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

808S
WEATHERSTRIPPING - JAMB WEATHERSTRIPPING

**882S**

- **Finishes:** DBA, GLD, CLR
- **Inserts:** B
- **Category:** H, J
- **Certifications:** [UL] [BHMA]

**883S**

- **Finishes:** DBA, GLD, CLR
- **Inserts:** B
- **Category:** H, J
- **Certifications:** [UL] [BHMA]

**881S**

- **Finishes:** MIL, DBA, GLD
- **Inserts:** V, N, S, W
- **Category:** H, J
- **Certifications:** [UL] [BHMA]

**885S**

- **Finishes:** DBA, GLD, CLR
- **Inserts:** V, N, S, W
- **Category:** H, J
- **Certifications:** [UL] [BHMA]
WEATHERSTRIPPING - JAMB WEATHERSTRIPPING

892S

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

893S

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

896S

- Finishes: MIL, DBA, GLD
- 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

**751S**

<table>
<thead>
<tr>
<th>Finish</th>
<th>Inserts</th>
<th>Category</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MIL, DBA, GLD</td>
<td>N, V, W</td>
<td>H, J</td>
<td>BHMA Certification</td>
</tr>
</tbody>
</table>

Notes: Order two (2) for a set

**756S**

<table>
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<td>V</td>
<td>H, J</td>
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Notes: Order two (2) for a set

**771S**

<table>
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<td>V, W, N, S</td>
<td>J</td>
<td>BHMA Certification</td>
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</table>

Notes: Order two (2) for a set

**772S**

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**774S**

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</tr>
</tbody>
</table>
WEATHERSTRIPPING - ASTRAGALS/MEETING STILES

776S

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

802S

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

836S

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

837S

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

835S

- Finishes: MIL, DBA, GLD, US32D, USP
- Category: J
- Certifications: BHMA
- Notes: 
  - Maximum length = 10 feet
  - Available with thrubolts
WEATHERSTRIPPING - ASTRAGALS/MEETING STILES

**839S**

Finishes: MIL
Inserts: W
Category: J
Certifications: 
Notes:

**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: BHMA
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