THRESHOLD PRODUCTS

- Saddle
- Half Saddle
- Offset
- Carpet Dividers
- Carpet Edges
- Bumper Seal
- Offset Bumper Seal
- Stop Strips
- Elevators
- RCE
- Anchors
- ADA Compliant
- Ramps
- Interlocking Ramps
- Rubber Ramps
- Diamond Tread
- Plate
- Cover Plates
- Floor Closer Covers
- Threshold Assembly Parts
- Safety Tread Plates
- Stair Nosings
- Cast Thresholds
- Thermal Break
- Residential
- Architectural Bronze
- Stainless Steel
## Symbols/Legend


**POSITIVE PRESSURE UL10C CLASSIFIED**, Category ‘J’; complies with IBC, NFPA 80 and NFPA 252 for application to Positive Pressure Steel fire doors rated up to 3 Hrs., and Wood type Fire doors rated up to 90 minutes. (Ratings on some items vary and are noted.)

**UL10B and CAN4-S104-80M CLASSIFIED**: complies with NFPA 80 and NFPA 252 for application to Steel fire doors rated up to 3 Hrs., and Wood type fire doors rated up to 90 minutes. (Rating on some items vary and are noted.)

**Air Infiltration Tested** to ASTM E283, Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.

**SLIP-RESISTANT** NGP ‘SIA’ (Slick-it-Ain’t) textured surface is available on all thresholds. Our process embeds and fuses bits of hot nickel and titanium into the surface of the threshold. This technology originally developed for use on aircraft carrier decks is very skid resistant and will not wear off.

**ANSI/BHMA CERTIFIED.** Certified thresholds comply with American National Standard for Thresholds ANSI/BHMA A156.21-2009 and are listed in the BHMA Certified Products Directory.

Online product listings at [www.ul.com/database](http://www.ul.com/database)

### ANSI/BHMA

The following interprets ANSI/BHMA numbers which identify material and type of products. For products that meet ANSI/BHMA Standards, look for the BHMA certified logo next to the product in our catalog. For a complete listing refer to the BHMA Certified Products Directory online at [www.buildershardware.com](http://www.buildershardware.com).

#### American National Standard for Thresholds ANSI/BHMA A156.21 (2009)

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<th>4 Surface</th>
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THRESHOLDS

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Materials

Thresholds are Aluminum Alloy 6063, T5 temper, unless noted. Cover Plates 818, 814 and 828 are Aluminum Alloy 3003, H14 hardness. Cover Plate 838 is Aluminum Alloy 5052, H32 hardness.

Architectural Bronze Thresholds are Alloy CDA 385 (Copper Alloy No. C38500), Architectural Bronze. Brass Cover Plate 818BR is Alloy CDA 260 (Copper Alloy No. C26000) cold formed Cartridge Brass.

Stainless Steel Thresholds and Cover Plates are Type 304; known for its excellent corrosion resistance, high tensile strength and resistance to oxidation.

Threshold Finishes

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Slip Resistant Finish

SIA (Slick It Ain’t) finish is our slip resistant textured surface, available on all thresholds up to 24” wide and on 818 aluminum and brass cover plate up to 10” wide.

Our SIA technology embeds bits of hot nickel and titanium into the surface of the threshold using a high pressure thermo-electrostatic process. It was originally developed for use on aircraft carrier decks. SIA finish is very durable and will not wear off.

This results in a slip resistant surface that is similar to high grit sandpaper.

Aluminum and Stainless Steel SIA finish thresholds are a pewter color. Architectural Bronze SIA finish thresholds are a brass color.

Powder Coat Finish

Powder Coat finish is available on most thresholds upon request. Refer to page L2 for standard color options. Consult factory for custom color matching.
General Information

Thresholds are furnished longer than ordered to allow for field sizing and fitting. ½” is added to thresholds under 61”; 1” is added to thresholds over 61”.

Special Drilling and Notching is available; details must be provided with the order.

Radiation shielding with .030” thick Lead is available on most thresholds. Specify “Lead Lined”.

Catalog Illustrations are full scale, except as noted.

Returned Closed Ends

Return Closed Ends (RCE’s) are available on most beveled thresholds. The corner is miter cut on a 45 degree angle and returned to the face of the door frame for a neat, clean, finished appearance. Specify “RCE”

Custom Fabricated Thresholds

Our Custom Fab dept. specializes in producing custom made-to order thresholds to your specifications. Submit your details to our technical dept. for a quotation and drawing for your approval. Components shown on pages T-26, T-27 and T-46 are used to build special assemblies like the one illustrated below. Aluminum, Brass and Stainless Steel Cover Plates are also custom formed and welded to meet special requirements.

LEED® Green Building Rating System

The LEED (Leadership in Energy and Environmental Design) Green Building Rating System® is a national standard for developing high-performance, sustainable buildings developed by the U. S. Green Building Council.

Our products contain the following percentages of recycled materials qualifying for LEED® MR Credit 4; Recycled content:

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<th>Material</th>
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<td>Rubber Ramps</td>
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Contact us for a current letter containing LEED qualification information for all our products.

Buy American Act

Over 99% of our products are produced in the United States as a domestic construction material, as defined in the Buy American Act (BAA) of March 1933 and amended by the Buy American Act of 1988; and additionally qualify as manufactured products produced in the United States as manufactured goods, as defined in OMB Guidance (176.140; 176.70(a) (2) (ii); 176.160, complying with the Federal American Recovery Reinvestment Act, ARRA-2009. Contact us for a BAA or ARRA certificate for your project.
Saddle Thresholds

**MATERIALS & FINISHES**
- Aluminum mill finish
- DKB - Aluminum dark bronze finish
- Slip Resistant SIA Finish

All thresholds this page

**VINYL FOOT SEAL**
- Used instead of caulking to increase the weather resistance of the threshold.
- Specify on order

**SADDLE THRESHOLDS**

- 424E: .60 lbs./ft.
- 424EDKB: .60 lbs./ft.

- 425E: .80 lbs./ft.
- 425EDKB: .80 lbs./ft.

- 426E: .90 lbs./ft.
- 426EDKB: .90 lbs./ft.

- 427E: 1.08 lbs./ft.
- 427EDKB: 1.08 lbs./ft.

- 428E: 1.20 lbs./ft.
- 428EDKB: 1.20 lbs./ft.

- 429E: 1.42 lbs./ft.
- 429EDKB: 1.42 lbs./ft.

- 430E: 1.59 lbs./ft.
- 430EDKB: 1.59 lbs./ft.
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**Materials & Finishes**
- Aluminum mill finish
- DKB - Aluminum dark bronze finish

Slip Resistant SIA Finish
All thresholds are available with our slip resistant, non-skid finish for better traction. Suffix “SIA”.

**Fasteners**
#10 x 1-1/2” FH zinc plated wood screws are included on mill finish thresholds. Zinc plated antique bronze finish screws are provided to match DKB finish.

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Fax 800-255-7874 | quotes@ngpinc.com


**MATERIALS & FINISHES**
- Aluminum mill finish
- DKB - Aluminum dark bronze finish

Slip Resistant SIA Finish
All thresholds are available with our slip resistant, non-skid finish for better traction. Suffix “SIA”.

**FASTENERS**
#10 x 1-1/2” FH zinc plated wood screws are included on mill finish thresholds. Zinc plated antique bronze finish screws are provided to match DKB finish.

All thresholds this page

Typical Wall .125

4" 1/4"

413 .53 lbs./ft.
413DKB .53 lbs./ft.

5" 1/4"

513 .68 lbs./ft.
513DKB .68 lbs./ft.

6" 1/4"

613 .88 lbs./ft.
613DKB .88 lbs./ft.

7" 1/4"

713 1.01 lbs./ft.
713DKB 1.01 lbs./ft.

8" 1/4"

813 1.20 lbs./ft.
813DKB 1.20 lbs./ft.

9" 1/4"

913 1.41 lbs./ft.
913DKB 1.41 lbs./ft.

10" 1/4"

1013 1.63 lbs./ft.
1013DKB 1.63 lbs./ft.
Smooth Surface Thresholds

Recommended to provide the best results where automatic door bottoms are used.

**MATERIALS & FINISHES**
- Aluminum mill finish
- DKB - Aluminum dark bronze finish
- Slip Resistant SIA Finish
  - All thresholds are available with our slip resistant, non-skid finish for better traction. Suffix “SIA”.

**FASTENERS**
- #10 x 1-1/2” FH zinc plated wood screws are included on mill finish thresholds. Zinc plated antique bronze finish screws are provided to match DKB finish.

---

408 .10 lbs./ft.
408DKB .10 lbs./ft.

410 .36 lbs./ft.
410DKB .36 lbs./ft.

411 .50 lbs./ft.
411DKB .50 lbs./ft.

412 .63 lbs./ft.
412DKB .63 lbs./ft.

512 .82 lbs./ft.
512DKB .82 lbs./ft.

111 .93 lbs./ft.
111DKB .93 lbs./ft.
**Stop Strips**

All stop strips this section

- 10C
- BHMA

- Bumper Seal
  - Seals against the door providing weather resistance
  - Vinyl ("V") supplied unless other material is specified
  - Options:
    - Neoprene ("N")
    - Silicone ("S")
    - Pile ("P")
  - **Pile insert not available**

**Elevators**

Elevators are used under thresholds to increase the rise of the threshold or accommodate offset floor conditions.

**Threshold Anchor**

Avoid drilling concrete by specifying a 720 or 721 threshold anchor. These anchors are set when the concrete is poured; allowing the most secure installation. When ordering your thresholds, note: drill for 720 or 721 anchor.
Heavy Duty Thresholds

- For use where forklift or vehicular traffic occurs.
- Recommended for delivery/storage doorways where heavier loads travel.
- Greatly exceeds ANSI A156.21 load test requirements.
- Optional “SIA” (Slick It Ain’t) fused slip-resistant finish recommended in moisture prone areas.

ADA Compliant Bumper Thresholds

- Hurricane/windstorm Florida Product Approval FL10144

Fasteners

#10 x 1-1/2” FH zinc plated wood screws are included on mill finish thresholds. Zinc plated antique bronze finish screws are provided to match DKB finish.

Materials & Finishes

- Aluminum mill finish
- DKB - Aluminum dark bronze finish
- Slip Resistant SIA Finish
  All thresholds are available with our slip resistant, non-skid finish for better traction. Suffix “SIA”.

<table>
<thead>
<tr>
<th>Material</th>
<th>Weight</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>425HD</td>
<td>1.6 lbs./ft.</td>
<td></td>
</tr>
<tr>
<td>425HDDKB</td>
<td>1.6 lbs./ft.</td>
<td></td>
</tr>
<tr>
<td>513HD</td>
<td>1.4 lbs./ft.</td>
<td></td>
</tr>
<tr>
<td>513HDDKB</td>
<td>1.4 lbs./ft.</td>
<td></td>
</tr>
<tr>
<td>896</td>
<td>.64 lbs./ft.</td>
<td></td>
</tr>
<tr>
<td>896DKB</td>
<td>.64 lbs./ft.</td>
<td></td>
</tr>
<tr>
<td>950</td>
<td>.50 lbs./ft.</td>
<td></td>
</tr>
<tr>
<td>950DKB</td>
<td>.50 lbs./ft.</td>
<td></td>
</tr>
</tbody>
</table>

**Bumper Seal**

Seals against the door providing weather resistance

Vinyl (“V”) supplied unless other material is specified

Options:
- Neoprene (“N”)
- Silicone (“S”)
Bumper Seal Thresholds

8135 .60 lbs./ft.
8135DKB .60 lbs./ft.

Bumper Seal

893 .86 lbs./ft.
893DKB .86 lbs./ft.

Vinyl ("V") supplied unless other material is specified
Options:
- Neoprene ("N")
- Silicone ("S")
- Pile ("P")

891 .62 lbs./ft.
891DKB .62 lbs./ft.

FASTENERS
#10 x 1-1/2" FH zinc plated wood screws are included on mill finish thresholds.
Zinc plated antique bronze finish screws are provided to match DKB finish.

894 .75 lbs./ft.
894DKB .75 lbs./ft.

897 .91 lbs./ft.
897DKB .91 lbs./ft.

VINYL FOOT SEAL
used instead of caulk to increase the weather resistance of the threshold.
Specify on order

Bumper Seal

Seals against the door providing weather resistance

All products this page

10C

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893
894
897
891
8135
8135DKB
893DKB
897DKB
891DKB
894DKB
Bumper Seal Thresholds

Typical Wall .105
Typical Wall .115
Typical Wall .115
Typical Wall .166
Typical Wall .166
Typical Wall .166
Typical Wall .115

3 3/4" 1/2"
3 1/2" 1/2"
3 1/2" 1/2"
4" 1/2"
Bumper Seal Thresholds

All thresholds this page

890  .82 lbs./ft.  
890B .82 lbs./ft.  
890DKB .82 lbs./ft.  

5/8" Typical Wall .105

V INYL F OOT S EAL  
used instead of caulking to  
increase the weather  
resistance of the threshold.  
Specify on order

804  .80 lbs./ft.  
804DKB .80 lbs./ft.  

7/8" 1/2" 5"  
Typical Wall .105

884  1.00 lbs./ft.  
884DKB 1.00 lbs./ft.  

1/2" 7/8" 5"  
Typical Wall .172

803  .80 lbs./ft.  
803DKB .80 lbs./ft.  

3/4" 3/8" 5"  
Typical Wall .105

883  1.10 lbs./ft.  
883DKB 1.10 lbs./ft.  

5/8" 5/8" 5/8"  
Typical Wall .161

FASTENERS
#10 x 1-1/2" FH zinc plated  
wood screws are included on  
mill finish thresholds. Zinc  
plated antique bronze finish  
screws are provided to match  
DKB finish.

Bumper Seal
Seals against the door  
providing weather resistance

Vinyl ("V") supplied  
unless other material  
is specified

Options:
Neoprene ("N")
Silicone ("S")
Pile ("P")

VINYL FOOT SEAL  
used instead of caulking to  
increase the weather  
resistance of the threshold.  
Specify on order
Offset Thresholds

653 0.78 lbs./ft.  
653DKB 0.78 lbs./ft.  
Typical Wall .125  
5 1/2"

659 0.89 lbs./ft.  
659DKB 0.89 lbs./ft.  
Typical Wall .125  
7"

655 0.84 lbs./ft.  
655DKB 0.84 lbs./ft.  
Typical Wall .125  
5 1/2"

656 1.00 lbs./ft.  
656DKB 1.00 lbs./ft.  
Typical Wall .125  
6"

Carpet and Tile Dividers

414 0.31 lbs./ft.  
414DKB 0.31 lbs./ft.  
Typical Wall .125  
1 3/4"

404 0.70 lbs./ft.  
404DKB 0.70 lbs./ft.  
Typical Wall .125  
4"

407 Black Vinyl  
Install using adhesive like NGP RR5007BL, Black RTV silicone rubber construction sealant  
1 7/16"

Carpet Edges

416 0.19 lbs./ft.  
416DKB 0.19 lbs./ft.  
Typical Wall .125  
1 7/16"

417 0.50 lbs./ft.  
417DKB 0.50 lbs./ft.  
Typical Wall .188  
2 1/2"

414-75 0.39 lbs./ft.  
414-75DKB 0.39 lbs./ft.  
Typical Wall .125  
1 3/4"
**Special Bumper Seal Thresholds**

- **884-6**: 1.10 lbs./ft.  6"
  - **884-6DKB**: 1.10 lbs./ft.

- **884-7**: 1.31 lbs./ft.  7"
  - **884-7DKB**: 1.31 lbs./ft.

- **884-8**: 1.52 lbs./ft.  8"
  - **884-8DKB**: 1.52 lbs./ft.

- **885**: .95 lbs./ft.  5"
  - **885DKB**: .95 lbs./ft.

- **885-6**: 1.16 lbs./ft.  6"
  - **885-6DKB**: 1.16 lbs./ft.

- **885-7**: 1.37 lbs./ft.  7"
  - **885-7DKB**: 1.37 lbs./ft.

- **888**: 1.22 lbs./ft.  5"
  - **888DKB**: 1.22 lbs./ft.

**FASTENERS**

- #10 x 1-1/2" FH zinc plated wood screws are included on mill finish thresholds. Zinc plated antique bronze finish screws are provided to match DKB finish.

**MATERIALS & FINISHES**

- Aluminum mill finish
- DKB - Aluminum dark bronze finish

**Slip Resistant SIA Finish**

- All thresholds are available with our slip resistant, non-skid finish for better traction. Suffix “SIA”.

**Bumper Seal**

- Seals against the door providing weather resistance
- Vinyl (“V”) supplied unless other material is specified
  - Options: Neoprene (“N”), Silicone (“S”), Pile (“P”)

**VINYL FOOT SEAL**

- Used instead of caulking to increase the weather resistance of the threshold. Specify on order

**Vinyl Foot Seal**

- Used to increase weather resistance

**Slip Resistant SIA Finish**

- Available for better traction

**FASTENERS**

- #10 x 1-1/2" FH zinc plated wood screws are included on mill finish thresholds. Zinc plated antique bronze finish screws are provided to match DKB finish.

**MATERIALS & FINISHES**

- Aluminum mill finish
- DKB - Aluminum dark bronze finish

**Slip Resistant SIA Finish**

- All thresholds are available with our slip resistant, non-skid finish for better traction. Suffix “SIA”.

**Bumper Seal**

- Seals against the door providing weather resistance
- Vinyl (“V”) supplied unless other material is specified
  - Options: Neoprene (“N”), Silicone (“S”), Pile (“P”)

**VINYL FOOT SEAL**

- Used instead of caulking to increase the weather resistance of the threshold. Specify on order
Half Saddle Thresholds

- **Typical Wall .125**
  - 2" (1/4"
    - 215 .29 lbs./ft.
    - 215DKB .29 lbs./ft.
  - 3" (3/4"
    - 315 .44 lbs./ft.
    - 315DKB .44 lbs./ft.
  - 4" (1"
    - 415 .51 lbs./ft.
    - 415DKB .51 lbs./ft.
  - Not intended for insert

- **Typical Wall .110**
  - 5" (1.25"
    - 350 .83 lbs./ft.
    - 350DKB .83 lbs./ft.

- **Half Saddle Thresholds**
  - 1/2" (1"
    - 325 1.32 lbs./ft.
    - 325DKB 1.32 lbs./ft.

- **Typical Wall .250**
  - 4" (1"
    - 457 .79 lbs./ft.
    - 457DKB .79 lbs./ft.

- **Typical Wall .125**
  - 3/4" (1"
    - 458 1.11 lbs./ft.
    - 458DKB 1.11 lbs./ft.

- **Transition Strip**
  - 1/4" (1"
    - 8132 .28 lbs./ft.
    - 8132DKB .28 lbs./ft.

- Heavy Duty - for transition at edge of 1/8" vinyl tile
- Protects edge of tile
- Reduces tripping hazard
- Available in 96" length only
- Specify required fasteners

When installed with the non-beveled edge FLUSH with flooring, or where no greater than 1/4" vertical rise occurs.

All Products this page

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Half Saddle Thresholds

When installed with the non-beveled edge FLUSH with flooring, or where no greater than 1/4" vertical rise occurs.

321 .34 lbs./ft.
321DKB .34 lbs./ft.

322 .48 lbs./ft.
322DKB .48 lbs./ft.

323 .56 lbs./ft.
323DKB .56 lbs./ft.

324 1.20 lbs./ft.
324DKB 1.20 lbs./ft.

327 .64 lbs./ft.
327DKB .64 lbs./ft.

898V .72 lb/ft
898VDKB .72 lb/ft

When installed with the non-beveled edge flush with flooring or where no greater than 1/4" vertical rise occurs.

898V .72 lb/ft
898VDKB .72 lb/ft

MATERIALS & FINISHES
- Aluminum mill finish
- DKB - Aluminum dark bronze finish

Slip Resistant SIA Finish
All thresholds are available with our slip resistant, non-skid finish for better traction. Suffix “SIA”.

VINYL FOOT SEAL
used instead of caulking to increase the weather resistance of the threshold. Specify on order
Thermal Break Saddle Thresholds

All thresholds this page

8424  .75 lbs./ft.
8424DKB .75 lbs./ft.

8425  .90 lbs./ft.
8425DKB .90 lbs./ft.

8426  1.00 lbs./ft.
8426DKB 1.00 lbs./ft.

8427  1.20 lbs./ft.
8427DKB 1.20 lbs./ft.

8428  1.30 lbs./ft.
8428DKB 1.30 lbs./ft.

8429  1.60 lbs./ft.
8429DKB 1.60 lbs./ft.

8430  1.70 lbs./ft.
8430DKB 1.70 lbs./ft.

8424 4" Typical Wall .110
8425 5" Typical Wall .110
8426 6" Typical Wall .110
8427 7" Typical Wall .110
8428 8" Typical Wall .110
8429 9" Typical Wall .110
8430 10" Typical Wall .110

Thermal Break Saddle Thresholds

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Thermal Break Bumper Seal Thresholds

Thermal Break thresholds feature a rigid PVC spline creating a separation to prevent the transfer of outside temperature and frost through the threshold.

**4”**

- Typical Wall .110
- **8434** .82 lbs./ft.
- **8434DKB** .82 lbs./ft.

**5”**

- Typical Wall .110
- **8435** .95 lbs./ft.
- **8435DKB** .95 lbs./ft.

**6”**

- Typical Wall .110
- **8436** 1.11 lbs./ft.
- **8436DKB** 1.11 lbs./ft.

**7”**

- Typical Wall .110
- **8437** 1.29 lbs./ft.
- **8437DKB** 1.29 lbs./ft.
Return Closed Ends for Ramps

Return closed ends provide an attractive finished appearance to ramps. They are available in several lengths and can be trimmed to accommodate any size ramp assembly. RCE’s are also available with slip-resistant “SIA” finish.

MATERIALS & FINISHES
• Aluminum mill finish
• DKB - Aluminum dark bronze finish

Slip Resistant SIA Finish

All thresholds are available with our slip resistant, non-skid finish for better traction. Suffix “SIA”.

RCE-21
RCE-21DKB

RCE-15
RCE-15DKB

RCE-9
RCE-9DKB

RCE-30 (includes RCE-21 + 12” extension)
RCE-30DKB (includes RCE-21 + 12” extension)
Slope = 1:12
Illustrations shown at 50%

MATERIALS & FINISHES

- Aluminum mill finish
- DKB - Aluminum dark bronze finish

Slip Resistant SIA Finish
All thresholds are available with our slip resistant, non-skid finish for better traction. Suffix "SIA".

All products pages T22 and T23
Interlocking Ramp Components

Ramps Comply with:

- Americans with Disabilities Act and Architectural Barriers Act Accessibility Guidelines - July 23, 2004
- ICC/ANSI A117.1-2003 Accessible and Usable Buildings or Facilities

Requirements:

- Maximum Threshold Height = 1/2”
- Thresholds above 1/4” must be beveled with a slope no greater than 1:2
- Height changes over 1/2” requires use of a ramp with slope not steeper than 1:12

Illustrations shown at 50%
Aluminum Ramps

Typical Wall .125

<table>
<thead>
<tr>
<th>Material</th>
<th>Weight/ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>654</td>
<td>.53 lbs.</td>
</tr>
<tr>
<td>654DKB</td>
<td>.53 lbs.</td>
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</table>

<table>
<thead>
<tr>
<th>Material</th>
<th>Weight/ft.</th>
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<tbody>
<tr>
<td>657</td>
<td>.86 lbs.</td>
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<tr>
<td>657DKB</td>
<td>.86 lbs.</td>
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<table>
<thead>
<tr>
<th>Material</th>
<th>Weight/ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>658</td>
<td>.80 lbs.</td>
</tr>
<tr>
<td>658DKB</td>
<td>.80 lbs.</td>
</tr>
</tbody>
</table>

- Supplied with beveled ends - (end slope = 1:2). Specify if straight cut is required.
- Rubber ramp sections may be combined with aluminum ramp components for higher rises, or with 6” flat aluminum interlocking threshold #957 for various offset conditions.
- Black silicone adhesive available to secure ramps without fasteners. Specify RR5007BL, each tube will secure 2 ramps 12” wide x 36” long (6 square feet.)

Interlocking Rubber Ramps

1/8”

Typical Wall .125

<table>
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<tbody>
<tr>
<td>RR42</td>
<td>3.4 lbs.</td>
</tr>
<tr>
<td>max length = 118”</td>
<td></td>
</tr>
</tbody>
</table>

Slope = 1:12
Illustrations shown at 50%
Custom Fabricated Thresholds

Choose from various height and width components to build custom thresholds to meet special job requirements. See the custom fabricated threshold example illustrated on page T5.

Select the proper height edge components. Select the appropriate center plates to construct the width needed. Plates may be butted together or ripped to make specific widths. Support joints and wider spans with bar supports.

Threshold assembly plates may be used fluted or smooth side up. Slip-resistant SIA finish can be applied to all parts.

Threshold assembly components may be ordered separately for field assembly or welded into one piece units in our custom fabrication shop. They are supplied undrilled unless a template is provided. Ripping and beveling options are available. All custom fabricated assemblies have a tolerance of +/- 1/16”.

If a welded assembly is desired, specify “welded”.

If a welded assembly is desired, specify “welded”.

MATERIALS & FINISHES
• Aluminum mill finish
• DKB - Aluminum dark bronze finish
• Slip Resistant SIA Finish

All thresholds are available with our slip resistant, non-skid finish for better traction. Suffix “SIA”.

FASTENERS
#10 x 1-1/2” FH zinc plated wood screws are included on mill finish thresholds. Zinc plated antique bronze finish screws are provided to match DKB finish.
**Edge Components**

- **Threshold Assembly Components**
  - **Typical Wall .125**
  - **Bar Supports**
    - **BAR1** 3/4" 1/4" 5/8" 1 1/2"
    - **BAR2** 1/4" 1/2" 5/16" 1 1/2"
    - **BAR3** 5/16" 1/2" 1 1/2"
    - **BAR4** 1/4" 1 1/2" 5/16" 1 1/2"
    - **BAR5** 5/16" 1 1/2" 5/16" 1 1/2"
Aluminum Cover Plates

- Cover plates are made to order; non-returnable and non-cancelable once fabricated.
- Great for expansion joint covers or anywhere extra width and strength are required.
- Manufactured through a rolled process providing extra durability.
- PVC coating applied to protect the finish during shipping and installation.
- Minimum width 2” on 818, 3” on 814 and 4” on 838.
- Edges are beveled unless otherwise specified.
- Furnished undrilled although custom drilling is available to your detail.
- #10 x 1 1/2” zinc plated wood screws furnished.
- If welding is required, use either 814 or 838.

Stainless Steel Cover Plates

- #304 stainless steel material, mill finish #2B
- PVC coating applied to protect the finish during shipping and installation.
- Square cut edges standard. Specify if beveled edge is required.
- Furnished undrilled although custom drilling is available to your detail.
- Minimum width 3” on 818SS and 4” on 814SS.
- #10 x 1 1/2” stainless steel wood screws furnished.

MATERIALS & FINISHES

- Aluminum mill finish
- DKB - Aluminum dark bronze finish

Slip Resistant SIA Finish

All thresholds are available with our slip resistant, non-skid finish for better traction. Suffix “SIA”.

Minimum width 2” on 818, 3” on 814 and 4” on 838.
Diamond Tread Plate

- 1/8" thick bright-finish aluminum
- Edges beveled unless otherwise specified
- Furnished undrilled, although custom drilling is available to your detail.
- #10 x 1 1/2” zinc plated wood screws furnished.
- Minimum width 2”
- Great for use as cover plate for expansion joint, custom ramps, bulkhead saddle, or custom threshold.
- Welding not recommended. Bar or custom supports may be shipped loose.
- This item is made to order and is non-returnable and non-cancelable once fabricated.

Safety Tread Plates

- Non-slip abrasive tread material is a blend of carborundum and aluminum oxide, bonded and locked into the aluminum tread base.
- Treads exceed ADA requirements for coefficient of friction tested to ASTM F609-05 and MIL-D-23003A. The coefficient of friction for NGP safety tread plates is .94 dry and .86 wet.
- Furnished undrilled, unless a template is provided.
- May be used with edge parts (page T27)
- Can be furnished separate for field assembly, or welded into one piece unit.
- Treads can NOT be ripped to narrower width.
- Safety treads are manufactured to order and are non-cancelable and non-returnable.
Safety Tread Stair Nosings

- Non-slip abrasive tread material is a blend of carborundum and aluminum oxide, bonded and locked into the aluminum tread base.
- Treads exceed ADA requirements for coefficient of friction tested to ASTM F609-05 and MIL-D-23003A. The coefficient of friction for NGP stair nosings is .94 dry and .86 wet.
- Furnished drilled and countersunk for screws, except 3231 and 3241 which have hook anchor designed for installation into wet concrete.
- Furnished standard with #14 x 1 1/2" stainless steel wood screws. Specify if other screws and anchors required.
- Stair nosings are manufactured to order and are non-cancelable and non-returnable.

Renovation Nosings

Safety Nosings

- Designed for new construction: poured concrete, Terrazzo or Steel Pan cement filled stairs.
- Continuous hook anchor. Not drilled, no screws provided

Mill finish aluminum with black carborundum and aluminum oxide non-slip abrasive tread.
Cast Aluminum Thresholds With Abrasive Surface

- STANDARD FASTENERS - #14 stainless steel wood screws x expansion shields
- STOCK LENGTHS - 36", 48", 72" (recommend combining for longer lengths)
- Saddle type with fluted abrasive surface (flute details may vary slightly)
- Stop type with solid abrasive surface
- Drilled 6" from each end to allow field cutting or notching
- Other profiles and sizes available on special order - Consult Factory
- Cast Threshold dimensions shown below are nominal. Tolerance +/- 1/16".

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<tr>
<th>Part Number</th>
<th>Dimensions</th>
<th>Weight/ft.</th>
</tr>
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<tbody>
<tr>
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<td>4&quot; x 5/16&quot;</td>
<td>1.46 lbs.</td>
</tr>
<tr>
<td>4513</td>
<td>5&quot;</td>
<td>1.86 lbs.</td>
</tr>
<tr>
<td>4424</td>
<td>4&quot; x 1/2&quot;</td>
<td>1.46 lbs.</td>
</tr>
<tr>
<td>4425</td>
<td>5&quot;</td>
<td>1.83 lbs.</td>
</tr>
<tr>
<td>4884</td>
<td>5&quot;</td>
<td>2.6 lbs.</td>
</tr>
<tr>
<td>4891</td>
<td>4&quot;</td>
<td>2.0 lbs.</td>
</tr>
</tbody>
</table>

All products this page
Floor Closer Covers

Thresholds can be fabricated for use with any floor closer. They are available in aluminum, bronze, or stainless steel in several finishes including slip resistant (SIA) finish. When ordering specify the following:
- Type x number (i.e. Type 3 x 427FC)
- Material and finish
- Door opening width
- Door thickness if other than 1 3/4"
- Handing (Door Handing)
- Closer manufacturer
- Closer model number

**TYPES 1, 3, & 4**

<table>
<thead>
<tr>
<th>ALUMINUM</th>
<th>ARCHITECTURAL</th>
<th>BRONZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; x 6 3/4&quot;</td>
<td>427FC</td>
<td>1/2&quot; x 7&quot;</td>
</tr>
<tr>
<td>1/2&quot; x 7 3/4&quot;</td>
<td>428FC</td>
<td>1/2&quot; x 8&quot;</td>
</tr>
<tr>
<td>1/4&quot; x 6 3/4&quot;</td>
<td>713FC</td>
<td>1/4&quot; x 7&quot;</td>
</tr>
<tr>
<td>1/4&quot; x 7 3/4&quot;</td>
<td>813FC</td>
<td>1/4&quot; x 8&quot;</td>
</tr>
<tr>
<td>1/2&quot; x 9&quot;</td>
<td>429E</td>
<td></td>
</tr>
<tr>
<td>1/2&quot; x 10&quot;</td>
<td>430E</td>
<td></td>
</tr>
<tr>
<td>1/4&quot; x 9&quot;</td>
<td>913</td>
<td></td>
</tr>
<tr>
<td>1/4&quot; x 10&quot;</td>
<td>1013</td>
<td></td>
</tr>
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**TYPE 5**

<table>
<thead>
<tr>
<th>ALUMINUM</th>
<th>ARCHITECTURAL</th>
<th>BRONZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; x 6 3/4&quot; x 3 3/4&quot;</td>
<td>427FC x 424FC</td>
<td>1/2&quot; x 7&quot; x 4&quot;</td>
</tr>
<tr>
<td>1/4&quot; x 6 3/4&quot; x 3 3/4&quot;</td>
<td>713FC x 413FC</td>
<td>1/4&quot; x 7&quot; x 4&quot;</td>
</tr>
<tr>
<td>1/2&quot; x 7 3/4&quot; x 4 3/4&quot;</td>
<td>428FC x 425FC</td>
<td>1/2&quot; x 8&quot; x 5&quot;</td>
</tr>
<tr>
<td>1/4&quot; x 7 3/4&quot; x 4 3/4&quot;</td>
<td>813FC x 513FC</td>
<td>1/4&quot; x 8&quot; x 5&quot;</td>
</tr>
</tbody>
</table>

Other thresholds and custom assemblies may be prepped for floor closers. Consult factory for custom applications.

Special Finishes available
- Polished, suffix “POL”
- Dark oxidized bronze (US10B), suffix “DKB”
- Slip-resistant SIA (Slick It Ain’t), suffix “SIA”

Stainless steel available
- Specify type x stainless steel threshold model number
- #304, Mill finish #2B
Optional Finishes:
- Polished (US32, 629), suffix “POL”
- Brushed (US32D, 630), suffix “Brushed”
Floor Closer Covers

MATERIALS & FINISHES
• Aluminum mill finish
• DKB - Aluminum dark bronze finish
Slip Resistant SIA Finish
All thresholds are available with our slip resistant, non-skid finish for better traction. Suffix “SIA”.

FASTENERS
#10 x 1-1/2” FH zinc plated wood screws are included on mill finish thresholds.
Zinc plated antique bronze finish screws are provided to match DKB finish.
Interlocking Thresholds

Thresholds and Hook Strips this page

Apply to any saddle threshold
#10 self-tapping machine screws furnished

Hook Strips

80 hook strip provided with all interlocking thresholds. Other hook strips may be specified at additional cost.

Bumper Seal
Seals against the door providing weather resistance
Vinyl ("V") supplied unless other material is specified
Options:
Neoprene ("N")
Silicone ("S")
Pile ("P")

80 hook strip provided with all interlocking thresholds. Other hook strips may be specified at additional cost.
Residential Thresholds

Vinyl Top Thresholds

Fasteners

#10 x 1-1/2" FH zinc plated wood screws are included on mill finish thresholds. Zinc plated antique bronze finish screws are provided to match DKB finish.
Stainless Steel 1/4” Saddle Thresholds

Widths and heights other than shown are available upon request.

Stainless steel thresholds are type #304, mill finish #2B
Return Closed Ends are available - see page T5

Optional Finishes:
Polished, US32, 629 suffix “POL”
Brushed, US32D, 630 suffix “Brushed”
Slip-resistant suffix “SIA”

FASTENERS
#10 x -1-1/2” FH stainless steel wood screws

T 36
Stainless Steel 1/2” Saddle Thresholds

Widths and heights other than shown are available upon request.

Stainless steel thresholds are type #304, mill finish #2B
Return Closed Ends are available - see page T5

Optional Finishes:
- Polished, US32, 629 suffix “POL”
- Brushed, US32D, 630 suffix “Brushed”
- Slip-resistant suffix “SIA”

FASTENERS
#10 x -1-1/2” FH stainless steel wood screws

<table>
<thead>
<tr>
<th>Width</th>
<th>Material</th>
<th>Weight/lb/ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>4”</td>
<td>412SS</td>
<td>1.65</td>
</tr>
<tr>
<td>5”</td>
<td>512SS</td>
<td>2.07</td>
</tr>
<tr>
<td>6”</td>
<td>612SS</td>
<td>2.50</td>
</tr>
<tr>
<td>7”</td>
<td>712SS</td>
<td>2.95</td>
</tr>
<tr>
<td>8”</td>
<td>812SS</td>
<td>3.38</td>
</tr>
<tr>
<td>9”</td>
<td>912SS</td>
<td>3.81</td>
</tr>
<tr>
<td>10”</td>
<td>1012SS</td>
<td>4.25</td>
</tr>
</tbody>
</table>

All thresholds this page

<table>
<thead>
<tr>
<th>Width</th>
<th>Material</th>
<th>Weight/lb/ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>4”</td>
<td>412SS</td>
<td>1.65</td>
</tr>
<tr>
<td>5”</td>
<td>512SS</td>
<td>2.07</td>
</tr>
<tr>
<td>6”</td>
<td>612SS</td>
<td>2.50</td>
</tr>
<tr>
<td>7”</td>
<td>712SS</td>
<td>2.95</td>
</tr>
<tr>
<td>8”</td>
<td>812SS</td>
<td>3.38</td>
</tr>
<tr>
<td>9”</td>
<td>912SS</td>
<td>3.81</td>
</tr>
<tr>
<td>10”</td>
<td>1012SS</td>
<td>4.25</td>
</tr>
</tbody>
</table>
Stainless Steel Bumper Seal Thresholds

#304 stainless steel, mill finish #2B
Optional finishes:
- Polished (US32, 629), suffix “POL”
- Brushed (US32D, 630), suffix “Brushed”
- Slip-resistant suffix “SIA”

896SS 2.83 lbs./ft.
Typical Wall .120

883SS 2.65 lbs./ft.
Typical Wall .120

884SS 2.62 lbs./ft.
Typical Wall .120

Stainless Steel Cover Plate

- #304 stainless steel material, Mill finish #2B
  Optional finishes: Polished (US32, 629,) suffix “POL”
  Brushed (US32D, 630), suffix “Brushed”
- PVC coating applied to protect the finish during shipping and installation.
- Square cut edges standard. Specify if beveled edge is required.
- Furnished undrilled although custom drilling is available to your detail.
- Minimum width 3” on 818SS and 4” on 814SS.
- #10 x 1 1/2” stainless steel wood screws furnished.

818SS 1/8”
Maximum width 48”
Maximum length 144”

814SS 1/4”
Maximum width 36”
Maximum length 96”

BAR6SS 1/8”
2”

Seals against the door providing weather resistance. For adhesive mounted silicone bumper seal suffix “S”

Slip Resistant SIA Finish
Available for better traction and slip resistance. Specify “SIA” finish.
Architectural Bronze Bumper Seal Thresholds

Architectural Bronze satin finish (728) similar to US4.
Optional finishes:
- Polished (721), suffix “POL”
- Dark oxidized oil rubbed (722) similar to US10B, suffix “DKB”
- Slip-resistant, suffix “SIA”

Architectural Bronze Carpet Dividers

Brass Cover Plate

- #260 Brass, mill finish
- Optional finishes:
  - Polished (similar to US3), suffix “POL”
  - Dark oxidized (similar to US10B), suffix “DKB” - Maximum width 10”
- Manufactured through a cold formed process providing extra durability.
- PVC coating applied to protect the finish during shipping and installation
- Beveled edges standard. Specify if square cut edges are required.
- Furnished undrilled although custom drilling is available to your detail.
- Welding not recommended - Consult factory
- #10 x 1 1/2” brass wood screws furnished.
Architectural Bronze 1/4” Saddle Thresholds

Typical Wall .130

411BR 1.42 lbs./ft. 3”

Typical Wall .157

413BR 1.52 lbs./ft. 4”

Typical Wall .157

513BR 1.96 lbs./ft. 5”

Typical Wall .157

613BR 3.06 lbs./ft. 6”

Typical Wall .157

713BR 3.62 lbs./ft. 7”

Typical Wall .157

813BR 4.60 lbs./ft. 8”

Architectural Bronze satin finish (728) similar to US4. Optional finishes:
Polished (721), suffix “POL”
Dark oxidized oil rubbed (722) similar to US10B, suffix “DKB”
Slip-resistant, suffix “SIA”

FASTENERS
#10 X 1 -1/2” solid brass wood screws furnished. Antique bronze finish screws provided with dark bronze thresholds.

Architectural Bronze 1/4” Saddle Thresholds

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www.ngp.com
Architectural Bronze 1/2" Saddle Thresholds

All thresholds this page

Architectural Bronze satin finish (728) similar to US4.
Optional finishes:
Polished (721), suffix “POL”
Dark oxidized oil rubbed (722) similar to US10B, suffix “DKB”
Slip-resistant, suffix “SIA”

Security

Typical Wall .187

424BR  2.28 lbs./ft.

Typical Wall .187

425BR  2.84 lbs./ft.

Typical Wall .187

426BR  3.33 lbs./ft.

Typical Wall .187

427BR  4.09 lbs./ft.

Typical Wall .187

428BR  5.06 lbs./ft.

Typical Wall .110

429BR  4.27 lbs./ft.

Typical Wall .110

430BR  4.78 lbs./ft.

Elevator

58BR  1.34 lbs./ft.
not barrier-free

all thresholds on this page

Typical Wall .187

427BR  4.09 lbs./ft.
Architectural Bronze Thermal Break Saddle Thresholds

Architectural Bronze satin finish (728) similar to US4.
Optional finishes:
- Polished (721), suffix “POL”
- Dark oxidized oil rubbed (722) similar to US10B, suffix “DKB”
- Slip-resistant, suffix “SIA”

8424BR 2.08 lbs./ft.

8425BR 2.46 lbs./ft.

8426BR 2.84 lbs./ft.

8427BR 3.23 lbs./ft.

8428BR 3.62 lbs./ft.

8429BR 4.16 lbs./ft.

8430BR 4.70 lbs./ft.

All Thresholds this Page

Architectural Bronze Thermal Break Saddle Thresholds

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Architectural Bronze Thermal Break Bumper Seal Thresholds

Architectural Bronze satin finish (728) similar to US4.
Optional finishes:
- Polished (721), suffix “POL”
- Dark oxidized oil rubbed (722) similar to US10B, suffix “DB”
- Slip-resistant, suffix “SIA”

FASTENERS
- #10 X 1-1/2” solid brass wood screws furnished. Antique bronze finish screws provided with dark bronze thresholds.

Seals against the door providing weather resistance

Vinyl ("V") supplied unless other material is specified

Options:
- Neoprene ("N")
- Silicone ("S")
- Pile ("P")

8434BR  2.71 lbs./ft.
4"

8435BR  3.09 lbs./ft.
5"

8436BR  3.47 lbs./ft.
6"

8437BR  5.06 lbs./ft.
7"
**Architectural Bronze Interlocking Thresholds**

- **442BR** 2.01 lbs./ft.  
  Typical Wall .125
- **473BR** 1.54 lbs./ft.  
  Typical Wall .096
- **483BR** 1.80 lbs./ft.  
  Bronze pan optional - please specify
- **484BR** 1.83 lbs./ft.  
  Bronze pan optional - please specify
- **895BR** 2.06 lbs./ft.  
  Typical Wall .125

**Fasteners**  
#10 X 1 1/2" solid brass wood screws furnished. Antique bronze finish screws provided with dark bronze thresholds.

**Bronze Hooks**

- **80B** Supplied Standard with Threshold  
  Typical Wall .015

**Architectural Bronze satin finish (728)**  
similar to US4.  
Optional finishes:  
Polished (721), suffix “POL”  
Dark oxidized oil rubbed (722)  
similar to US10B, suffix “DKB”  
Slip-resistant, suffix “SIA”

**Bumper Seal**

Seals against the door providing weather resistance.  
Vinyl (“V”) supplied unless other material is specified.  
Options:  
Neoprene (“N”)  
Silicone (“S”)  
Pile (“P”)
Architectural Bronze Half-Saddle Thresholds

Architectural Bronze satin finish (728) similar to US4.

Optional finishes:
- Polished (721), suffix “POL”
- Dark oxidized (722) similar to US10B, suffix “DKB”
- Slip-resistant, suffix “SIA”

**Slip-Resistant SIA finish**
Available for better traction and slip-resistance. Specify “SIA” finish.

FASTENERS
- #10 X 1 -1/2" solid brass wood screws furnished.
- Antique bronze finish screws provided with dark bronze thresholds.

* ADA compliant when installed with the non-beveled edge FLUSH with flooring or where no greater than 1/4” vertical rise occurs.

**Architectural Bronze Half-Saddle Thresholds**

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight (lbs./ft.)</th>
<th>Thickness (in.)</th>
<th>Finish</th>
</tr>
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<tbody>
<tr>
<td>215BR</td>
<td>.76</td>
<td>2</td>
<td>Typical Wall .157</td>
</tr>
<tr>
<td>315BR</td>
<td>1.56</td>
<td>3</td>
<td>Typical Wall .157</td>
</tr>
<tr>
<td>415BR</td>
<td>1.88</td>
<td>4</td>
<td>Typical Wall .157</td>
</tr>
<tr>
<td>321BR</td>
<td>1.01</td>
<td>2</td>
<td>Not intended for insert</td>
</tr>
<tr>
<td>322BR</td>
<td>1.31</td>
<td>3</td>
<td>Not intended for insert</td>
</tr>
<tr>
<td>324BR</td>
<td>3.07</td>
<td>4</td>
<td>Typical Wall .250</td>
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<tr>
<td>327BR</td>
<td>1.75</td>
<td>4 7/8</td>
<td>Not intended for insert</td>
</tr>
<tr>
<td>350BR</td>
<td>2.10</td>
<td>4 7/8</td>
<td>Not intended for insert</td>
</tr>
<tr>
<td>325BR</td>
<td>3.95</td>
<td>5</td>
<td>Typical Wall .250</td>
</tr>
</tbody>
</table>
Architectural Bronze Custom Thresholds

Choose from various height and width components to build custom thresholds to meet special job requirements. See the custom fabricated threshold example illustrated on page T5.

Select the proper height edge components. Select the appropriate center plates to construct the width needed. Plates may be butted together or ripped to make specific widths. Support joints and wider spans with bar supports.

Threshold assembly plates may be used fluted or smooth side up. Slip-resistant SIA finish can be applied to all parts.

Threshold assembly components may be ordered separately for field assembly or welded into one piece units in our custom fabrication shop. They are supplied undrilled unless a template is provided. Ripping and beveling options are available. All custom fabricated assemblies have a tolerance of +/- 1/16".

If a welded assembly is desired, specify "welded".

Architectural Bronze satin finish (728) similar to US4.

Optional finishes:
- Polished (721), suffix “POL”
- Dark oxidized oil rubbed (722) similar to US10B, suffix “DKB”
- Slip-resistant, suffix “SIA”

Bar Supports used as support under threshold assemblies

- BAR1BR
- BAR2BR
- BAR3BR
- BAR4BR
- BAR5BR
Threshold Fasteners

- **#10 x 1 1/2" Phillips Flat Head Wood Screw**
  - Use 1/8" Drill bit
  - Also #12 x 1"

- **#12 x 1 1/2" Phillips Flat Head Wood Screw**
  - Use 9/64" Drill bit
  - Also #12 x 1"

- **#10 x 1 1/2" Phillips Flat Head Stainless Steel Sheet Metal Screw**
  - Use 1/8" Drill bit
  - Also #10 x 1", #10 x 2", #10 x 2 1/2", #10 x 3"

- **#12 x 1 1/2" Phillips Flat Head Sheet Metal Screw**
  - Use 9/64" Drill bit
  - Also: #12 x 1"

- **#10-24 x 1 1/2" Phillips Flat Head Machine Screw**
  - Use 1/8" Drill bit
  - Also: #10-24 x 3/4", #10-24 x 1"

- **#14-20 x 1 1/2" Phillips Flat Head Machine Screw**
  - Use 9/64" Drill bit
  - Also: #14-20

- **#1/4-20 Phillips Combo Flat Head Machine Screw/Anchor**
  - Use 1/4" Drill bit
  - Also: #1/4-20 x 1 1/2"

- **Plastic Anchor Various Sizes**
  - Use Drill Size = Anchor Size
  - Also: #10-24 x 1 1/2" Phillips Flat Head Machine Screw

- **#1/8-20 Lead Anchor**
  - Use 1/8" Drill bit
  - Powers seating tool

- **#10-24 x 1 1/2" Phillips Flat Head Machine Screw**
  - Also #10-24 x 3/4", #10-24 x 1"

- **#1/4-20 Expansion Anchor Carbon Steel**
  - Use 3/8" Drill bit

- **#1/4-20 Expansion Anchor**
  - Use 3/8" Drill bit and Powers seating tool

- **#1/4-20 x 1 1/2" Phillips Flat Head Machine Screw**
  - Carbon Steel
  - Use 3/8" Drill bit

- **#18 x 7/8" Nail for use with 80B Hook Strip**

- **Hilti Kwik-Con II Torx Head Screw, Use Hilti TKC large concrete bit SDS 1/4" Tough Carbide**

- **Tap-Con type Phillips Head Screw**
  - Use 13/16" Drill bit
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- Efficient seal on interior doors creates an acoustic barrier
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- NGP products exceed ASHRAE air infiltration standards
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- Aluminum, steel and bronze components are 75% recycled material
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- Products manufactured in USA in our environmentally friendly facility

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