

▷ Contents and Information

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▷ Materials Information

OPTION TABLES: The following Option Tables are provided for selection of other than standard or normal Finishes, Components, Fabrication, or Fasteners. Since these are other than standard or normal, please allow an appropriate amount of extra lead time for option(s) selected.

METALS AND FINISHES: Pemko's extruded metal products are made from: 6063 and 6463 aluminum alloys, and CDA alloy C38500 architectural bronze (brass). Roll-formed metal products are made from stainless steel, high-strength special-purpose zinc alloy, 70-30 yellow brass or 85-15 red brass. Roll-formed aluminum weatherstripping is produced from various alloys selected for the particular properties required. **357SP** is made from hot rolled galvanealed steel; the **357SS** is made from 304-stainless steel. See the charts (below) for all finish designations. If you do not see the option you require, please inquire with our customer service department about the feasibility of a custom finish. Also, a "Finish Designations" Option Table is shown at the top of every pair of

pages as a key for one or more of the products on those pages.

Standard Finishes	
Code	Finish Designations
A	mill finish aluminum
B	mill finish extruded bronze (brass)
BDC	bright dip clear anodized aluminum
BDC	bright dip gold anodized aluminum
C	clear anodized aluminum
CB	cladded brass
B	dark bronze anodized aluminum
G	gold anodized aluminum
PA	painted aluminum
PB	painted bronze aluminum
PB	painted dark bronze aluminum
PG	painted gold aluminum
PW	painted white aluminum
S	cladded stainless steel
SR	satin nickel anodized aluminum
SP	galvanealed steel
SS	see individual part for finish
Z	zinc metal
AR	skid resistant PemKote™ (on aluminum or bronze)
Special Order Finishes	
Code	Finish Designations
*	black anodized aluminum
*	chrome plated bronze
*	gray prime coated aluminum
*	polished aluminum, uncoated
*	polished bronze, uncoated
*	satin brushed aluminum, uncoated
*	satin brushed bronze, uncoated
*	oxidized and oil rubbed bronze

* = no code; special order finish option.

Special Product Labels



This symbol identifies products which have certain features and design elements that are beyond the standard of our industry. Our commitment to research and development, product testing, quality and service gives us the progressive edge in the applied science of door sealing.



This symbol identifies any new products that have been added to our offering since our last published catalog (March 2001). We strive to find new solutions to old problems and to always be the leader of our industry.

INSERTS: (seals) and Other Materials: Pemko manufactures many products with gasketing inserts (seals). Some products are made completely from non-metallic materials. Please refer to specific parts throughout the catalog for complete information. SiliconSeal (S) attributes can be found in the Edge Sealing Products Section. PemkoPrene™ attributes can also be found in the Edge Sealing Products Section. All vinyl (V) parts and inserts are extruded from the highest quality virgin vinyl and comply with all the requirements specified in Commercial Standard CS 230-60, as developed by the U.S. Department of Commerce. See the Options Table (right) for all insert (seal) designations. Also, the available inserts (seals) for each individual product are shown adjacent to each individual product.

Code	Insert
ES	economy silicone
F	felt
M	magnetic
N	neoprene
NB	nylon brush
P	pile
PK	PemkoPrene™
Q	kerf-in foam
R	sponge neoprene
S	SiliconSeal
SB	soft brush
T	ThermoSeal™
TF	Triple Foam
V	vinyl

FABRICATION OPTIONS: Pemko offers many fabrication options to fit specific job requirements including beveling, special cuts, rips, tack welds, lead lining, L-notches, U-notches, half notches, full notches, drill, mill and drill, as well as single and double miter returns. Please consult our customer service and / or our engineering departments for details. Custom fabrications are subject to engineering design costs and are quoted on a time and material basis.

FASTENER OPTIONS: Most products are furnished with standard fasteners. Please refer to specific products or product categories for standard fastener details. When specified, Pemko will furnish special types of available screws and anchors at an extra cost.

▷ Product Number Designations

250 BDC V36			
PROFILE	FINISHES	INSERTS	LENGTH
430	A mill finish aluminum	N neoprene	32
177	B mill finish extruded bronze (brass)	NB nylon brush	36
303	BDC bright dip gold anodized aluminum	P pile	48
250	C clear anodized aluminum	R sponge neoprene	72
3494	B dark bronze anodized aluminum	S SiliconSeal™	3684
etc.	etc.	V vinyl	etc.
		etc.	

Thresholds

All Thresholds

- Unless exact net cut is specified, thresholds less than 48" are supplied 1/2" over length, and thresholds 48" and over are supplied 1" over length to allow for fitting.
- Unless otherwise specified, all thresholds are pre-drilled on the center line and supplied with fasteners.
- Extruded bronze (brass) thresholds are supplied with solid brass screws.
- For corrosive environments, stainless steel screws are available at an extra cost.



Available with PemKote™ skid-resistant surface. Please specify "PemKote™" when ordering. Please furnish drilling instructions when ordering PemKote™ as it is difficult to drill through this coating.



Thresholds labeled with a smoke symbol are approved for use with smoke labeled door bottoms and smoke labeled jamb weatherstrip as part of SmokeSeal™ systems.

Finish Designations: (pages 3-5)

- A mill finish aluminum
- B mill finish extruded bronze (brass)
- BDG bright-dip gold anodized aluminum
- D dark bronze anodized aluminum
- G gold anodized aluminum
- SS see individual part for finish
- SN satin nickel anodized aluminum

Inserts: (pages 3-5)

- P pile
- PK PemkoPrene™
- R sponge neoprene
- S SiliconSeal™
- T ThermoSeal™
- V vinyl

Please refer to the listings under each product for stocked finishes. See page 2 for a complete list of all Pemko stocked and non-stocked finishes. Consult the factory for the price and availability of non-stocked finishes.

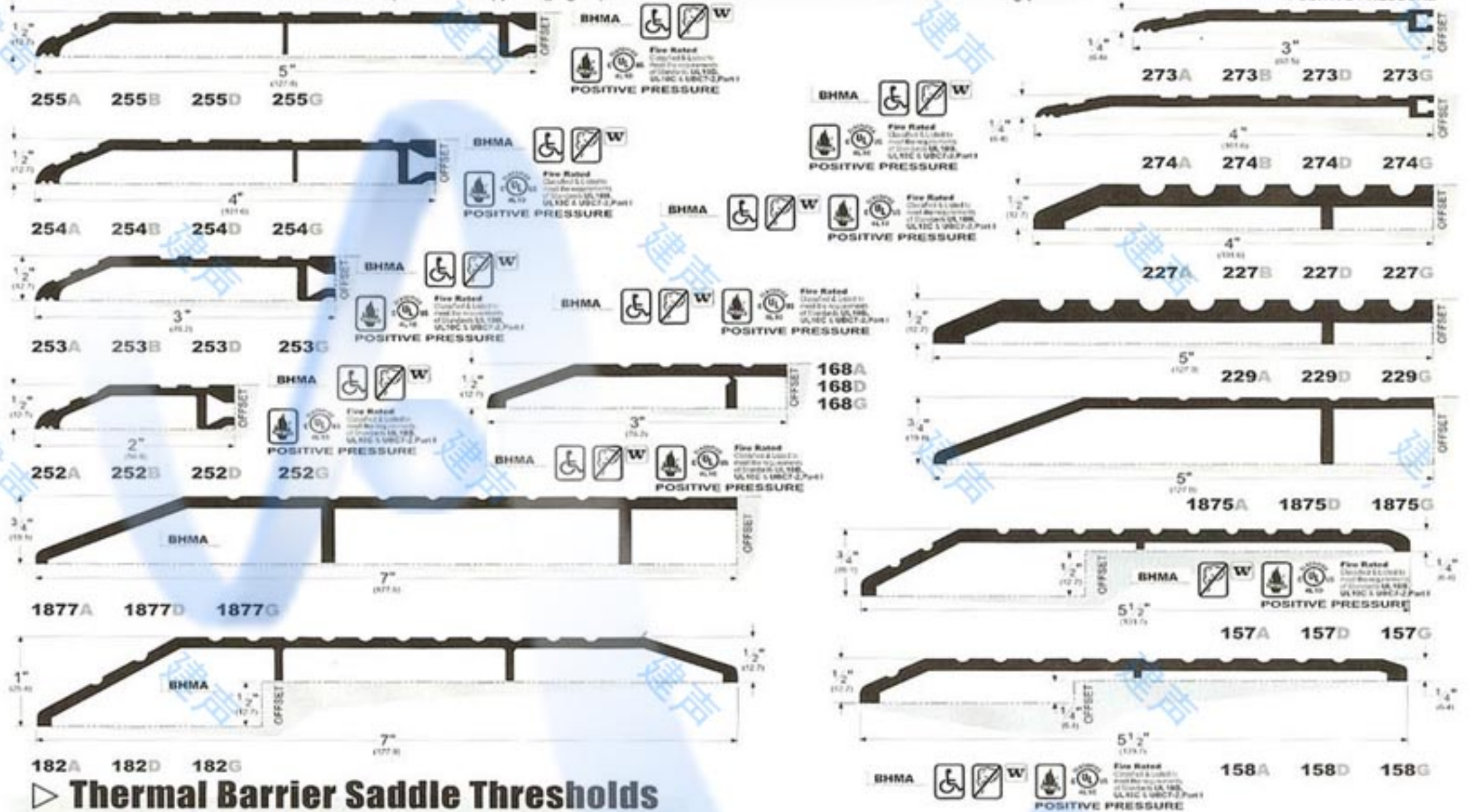
Saddle Thresholds

- To make an offset, use elevators (see page 4).

Thresholds

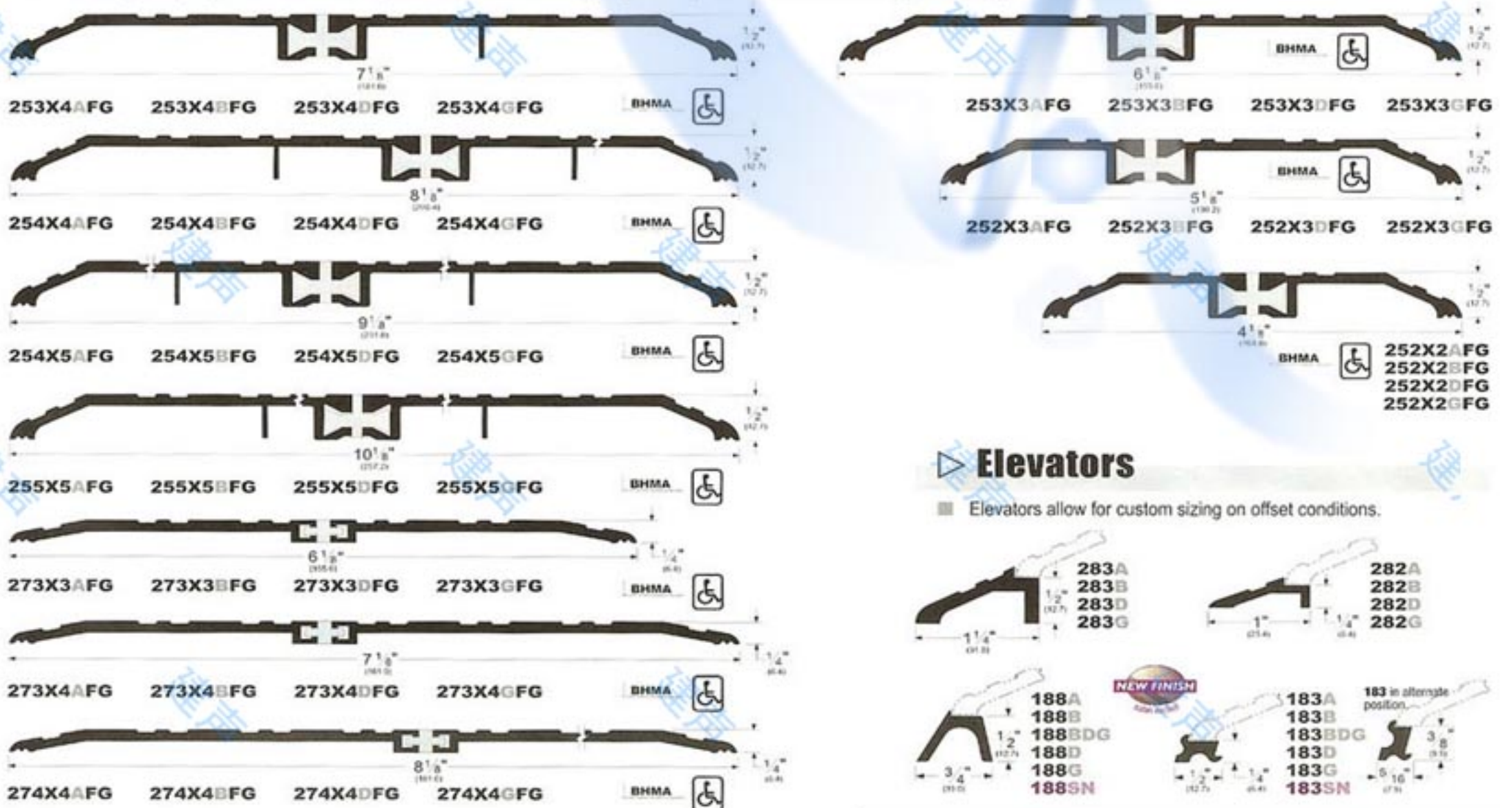
Half Saddle and Offset Saddle Thresholds

- Profiles 252, 253, 254, and 255 are used to create the thermal barrier saddle thresholds (this page, below).
- Profiles 227 and 229 can be welded to floor plates and supports (page 6) to create custom thresholds which have the same fluting pattern.



Thermal Barrier Saddle Thresholds

- Black rigid vinyl key between extrusions provides a thermal barrier (designated by "FG" Frost Guard following finish code).



Elevators

- Elevators allow for custom sizing on offset conditions.



Thresholds

Thresholds Stop Strips

- Use with standard flat top threshold saddle to provide a door stop and seal at bottom of door.
- Stop strips are supplied predrilled, with #10-24 phillips, flat head machine screws of appropriate length.

Allow 1/8" door clearance from top of threshold.

290ASSTOP
290DSSTOP
290GSSTOP

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

290AVSTOP
290BVSTOP
290DVSTOP
290GVSTOP

Scraper-Free with 1/4" saddle only

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

290APKSTOP
290DPKSTOP
290GPKSTOP

PenkoFrost™ (PK)

Scraper-Free with 1/4" saddle only

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

184AT
184BT
184DT
184GT

Allow 1/8" door clearance from top of threshold.

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

184AV
184BV
184DV
184GV

Scraper-Free with 1/4" saddle only

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

184AP
184BP
184DP
184GP

PenkoFrost™ (PK)

Scraper-Free with 1/4" saddle only

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

1842AS
1842DS
1842GS

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

1842AV
1842DV
1842GV

Scraper-Free with 1/4" saddle only

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

1842APK
1842DPK
1842GPK

PenkoFrost™ (PK)

Scraper-Free with 1/4" saddle only

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

284A
284B
284D
284G

Furnished undrilled.

Latching Panic Exit Saddle Thresholds

- Used in conjunction with surface applied vertical rod exit device, or as a stop and a seal at the bottom of door.

Allow 3/8" door clearance.

2005AT **2005BT** **2005DT** **2005GT**

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

2005AP **2005BP**
2005DP **2005GP**

W Vinyl (V)

2005AV **2005BV**
2005DV **2005GV**

Allow 1/2" door clearance.

179AT **179BT** **179DT** **179GT**

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

179AP **179BP**
179DP **179GP**

W Vinyl (V)

179AV **179BV**
179DV **179GV**

Allow 5/8" door clearance.

177AT **177BT** **177DT** **177GT**

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

177AP **177BP**
177DP **177GP**

W Vinyl (V)

177AV **177BV**
177DV **177GV**

Allow 3/4" door clearance.

181AT **181BT** **181DT** **181GT**

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

181AP **181BP**
181DP **181GP**

W Vinyl (V)

181AV **181BV**
181DV **181GV**

Allow 5/8" door clearance.

1855AT **1855DT** **1855GT**

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

1855AP **1855BP**
1855DP **1855GP**

W Vinyl (V)

1855AV **1855BV**
1855DV **1855GV**

Allow 5/8" door clearance.

277AS
277DS
277GS

Fire Rated (UL 199, UL 199C, UL 199D, UL 199E, UL 199F, Part 1)
AL18
UL199C & UL199D, Part 1
UL199E & UL199F, Part 1

Scraper-Free with 1/4" saddle only

W Vinyl (V)

277AR **277DR** **277GR**

Sponge neoprene (R) insert (R6130 class II, grade C material which remains resilient down to -70°F)

W Vinyl (V)

159AT **159BT**
159BDGT

W Vinyl (V)

159AP **159BP**
159BDGP **159DP**

W Vinyl (V)

159AV **159BV**
159BDGV **159DV**

W Vinyl (V)

252X226AT
252X226BT
252X226DT
252X226GT

W Vinyl (V)

252X226AP **252X226BP**
252X226DP **252X226GP**

W Vinyl (V)

252X226AV **252X226BV**
252X226DV **252X226GV**

W Vinyl (V)

254X226AT
254X226BT
254X226DT
254X226GT

W Vinyl (V)

254X226AP **254X226BP**
254X226DP **254X226GP**

W Vinyl (V)

254X226AV **254X226BV**
254X226DV **254X226GV**

W Vinyl (V)

254X226AFGV **254X226AFP**
254X226BFGV **254X226BFP**
254X226DFGV **254X226DFP**
254X226GFGV **254X226GFP**

W Vinyl (V)

252X226AFGP **252X226AFP**
252X226BFGP **252X226BFP**
252X226DFGP **252X226DFP**
252X226GFGP **252X226GFP**

W Vinyl (V)

254X226AFGT **254X226BFGT**
254X226DFGT **254X226GFGT**

W Vinyl (V)

254X226AFGP **254X226BFGP**
254X226DFGP **254X226GFGP**

Latching Panic Exit Saddle Thresholds - Thermal Barrier

- Black rigid vinyl key between extrusions provides thermal barrier (designated by "FG" Frost Guard following finish code).

Allow 5/8" door clearance.

252X226AFGT **252X226BFGT**
252X226DFGT **252X226GFGT**

W Vinyl (V)

252X226AFGP **252X226BFGP**
252X226DFGP **252X226GFGP**

W Vinyl (V)

254X226AFGT **254X226BFGT**
254X226DFGT **254X226GFGT**

W Vinyl (V)

254X226AFGP **254X226BFGP**
254X226DFGP **254X226GFGP**

Thresholds

Carpet / Special Purpose Thresholds

- Pemko can fabricate other carpet threshold configurations by ripping 1/2" saddles. Consult factory for options.
- Pemko offers an entire line of these products; one example is shown here:

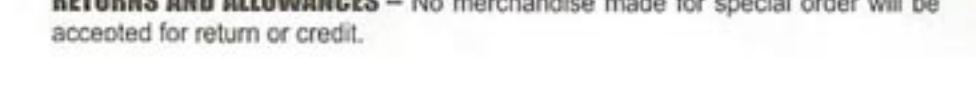
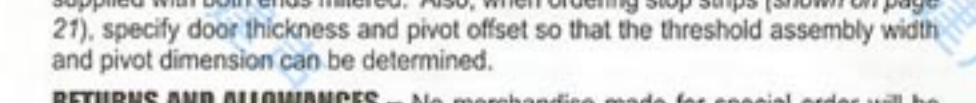
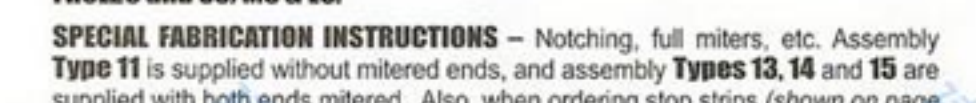
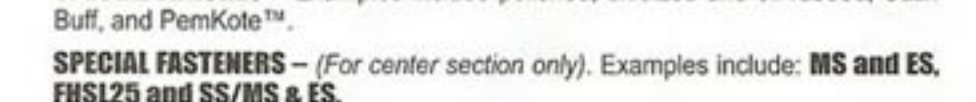
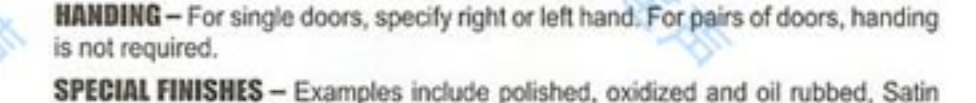
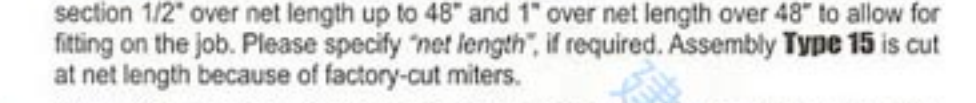
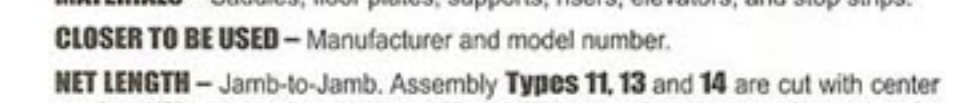
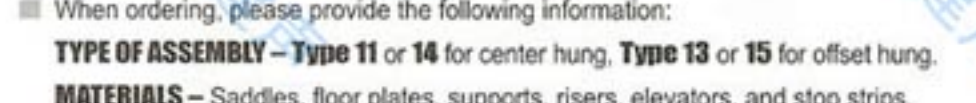
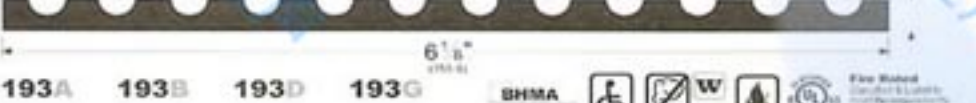
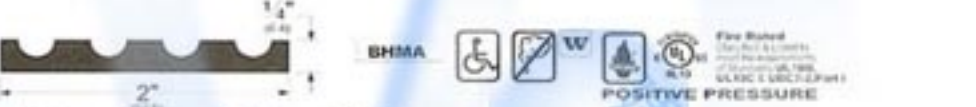


Floor Plates, Supports and Safety Treads

- Pemko can fabricate almost any floor plate threshold you might require.
- Furnished undrilled unless drilling instructions are specified when ordering.
- Ordering of fasteners does not constitute drilling instructions.
- Elevated floor plates require support every 4" on center, at welded seams, and as necessary for support.
- Orders with "X" in the product number (i.e. 195 X 193 X 195) indicate welding.



◆ Please specify if 196 material is to be used as trim or support.



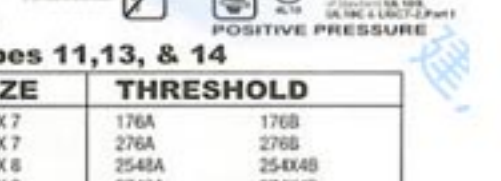
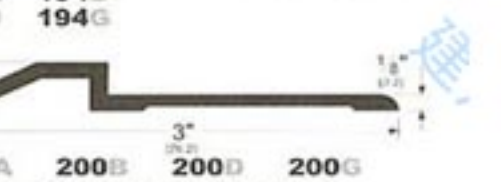
Floor Closer Thresholds and Cover Plate Assemblies

- When ordering, please provide the following information:
TYPE OF ASSEMBLY – Type 11 or 14 for center hung, Type 13 or 15 for offset hung.
MATERIALS – Saddles, floor plates, supports, risers, elevators, and stop strips.
CLOSER TO BE USED – Manufacturer and model number.
NET LENGTH – Jamb-to-Jamb. Assembly Types 11, 13 and 14 are cut with center section 1/2" over net length up to 48" and 1" over net length over 48" to allow for fitting on the job. Please specify "net length", if required. Assembly Type 15 is cut at net length because of factory-cut miters.
HANDING – For single doors, specify right or left hand. For pairs of doors, handing is not required.
SPECIAL FINISHES – Examples include polished, oxidized and oil rubbed, Satin Buff, and PemKote™.
SPECIAL FASTENERS – (For center section only). Examples include: MS and ES, FHS125 and SS/MS & ES.
SPECIAL FABRICATION INSTRUCTIONS – Notching, full miters, etc. Assembly Type 11 is supplied without mitered ends, and assembly Types 13, 14 and 15 are supplied with both ends mitered. Also, when ordering stop strips (shown on page 21), specify door thickness and pivot offset so that the threshold assembly width and pivot dimension can be determined.
RETURNS AND ALLOWANCES – No merchandise made for special order will be accepted for return or credit.

Finish Designations: (pages 6-7)

- A mill finish aluminum
- AK PemKote™ (skid-resistant surface)
- B mill finish extruded bronze (brass)
- D dark bronze anodized aluminum
- G gold anodized aluminum

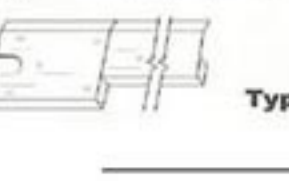
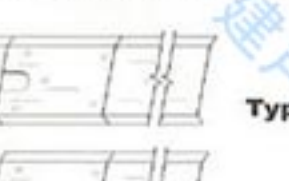
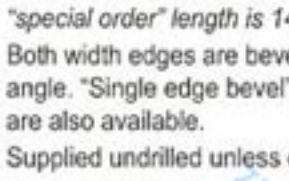
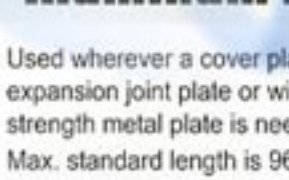
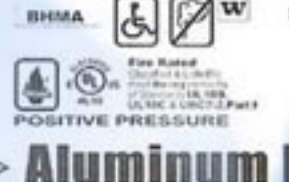
Please refer to the listings under each product for stocked finishes. See page 2 for a complete list of all Pemko stocked and non-stocked finishes. Consult the factory for the price and availability of non-stocked finishes.



CORK197

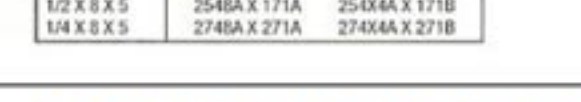
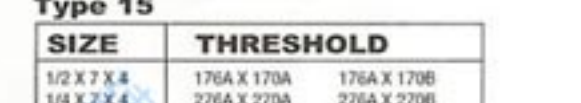
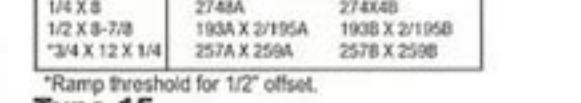
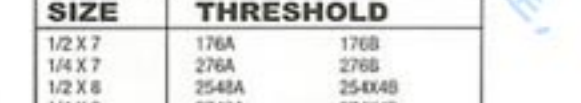
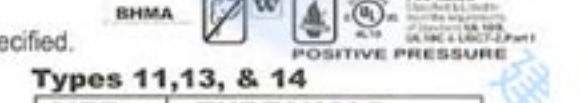
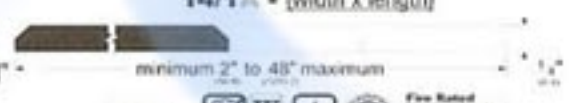
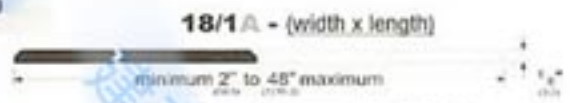


◆ Rubber cork creates an expansion joint or thermal break between floor plates. Attach with suitable adhesive.



Aluminum Plates

- Used wherever a cover plate, expansion joint plate or wide extra strength metal plate is needed.
- Max. standard length is 96" (Maximum "special order" length is 144").
- Both width edges are beveled at a 45° angle. "Single edge bevel" or "no bevel" are also available.
- Supplied undrilled unless otherwise specified.



Types 11, 13, & 14

SIZE	THRESHOLD	
1/2 X 7	176A	176B
1/4 X 7	276A	276B
1/2 X 8	2548A	254X4B
1/4 X 8	2748A	274X4B
1/2 X 8-7/8	193A X 2/195A	193B X 2/195B
3/4 X 12 X 1/4	257A X 259A	257B X 259B

*Ramp threshold for 1/2" offset.

Type 15

SIZE	THRESHOLD	
1/2 X 7 X 4	176A X 170A	176A X 170B
1/4 X 7 X 4	276A X 270A	276A X 270B
1/2 X 7 X 5	176A X 171A	176A X 171B
1/4 X 7 X 5	276A X 271A	276A X 271B
1/2 X 8 X 4	2548A X 170A	254X4A X 170B
1/4 X 8 X 4	2748A X 270A	274X4A X 270B
1/2 X 8 X 5	2548A X 171A	254X4A X 171B
1/4 X 8 X 5	2748A X 271A	274X4A X 271B