

General Information and Terms

Ordering Information:

Please order material by product number, specifying length required per piece and the number of pieces. Most weatherstrips are stocked in standard sizes. If it is not practical to furnish the size ordered, the next larger size will be furnished and charged. Thresholds are maintained in standard sizes with $\frac{1}{2}$ " extra length on thresholds thru 47" and 1" extra length for thresholds 48" and longer to allow for fitting and field trim, unless exact net cut size is specified.

Thresholds, perimeter gaskets, astragals, and door bottoms are punched or drilled as standard, unless otherwise specified in this catalog.

Thresholds are punched with 12" centers. Thresholds over 8" in width will be punched with a double row. Thresholds are generally supplied with #10 flat head screws. Other fasteners are available on request.

Metal retainers for perimeter gaskets, door bottoms, and astragals are punched with 8" centers.

Items can be furnished undrilled or unpunched by specifying "No Holes" on your Purchase Order.

Non-Stock Finish Information:

Some items shown in this catalog are not stocked in certain finishes (i.e. BDG, G, PW, and SN). 'Batch charges' may be required on non-stock finishes to achieve our normally fast lead times. Contact Customer Service for a quotation and lead time.

Option Tables:

The 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 for extra lead time for option(s) selected.

Cutting Tolerances:

Elastometric: $-0 + 2$ " (50.8mm)

Thresholds (up to 48"): $+ \frac{1}{2}$ " (12.7mm)

Thresholds (48" and up): $+1$ " (25.4mm)

Net Cut: ± 0.060 , $\frac{1}{16}$ " (1.5mm)

Hinges: ± 0.032 , $\frac{1}{32}$ " (0.8mm)

Automatic Door Bottoms: ± 0.060 , $\frac{1}{16}$ " (1.5mm)

Orders are subject to acceptance by ASSA ABLOY. All prices and terms are subject to change without notice.

How to Order (Product Number Designations):

When placing your order, please specify the product profile number, finish, insert and size/length. Also make sure to clearly state any special fabrication needs, optional fasteners or custom finishes/sizes required.

Throughout the catalog, products are listed with an underscore (_) where variable finishes are available. More in-depth ordering information for specific lines is available in the individual product sections of the catalog.

Standard Products:

Example: 2001 A T 36 (Shown as 2001_T in catalog)

Profile#:	Finish:	Insert:	Size/Length:
2001	A	T = ThermoSeal™	36 = 36"
216	SN	PK = PemkoPrene®	48 = 48"
297	BDG	V = Eco-V™	3684 = 1 piece @ 36" + 2 pieces @ 84"

Adhesive Gasketing Products:

Example: S773 D 21 (Shown as S773_ in catalog)

Profile#:	Finish:	Size/Length:
S773	D	21 = 21' coil
PK55	BL	510 = 510' (bulk packaging)
S88	W	17 = 17' coil

For PemkoHinge® and Modular Ramps, see detailed ordering information in their individual sections.

Materials and Finishes Information

Metals:

Extruded metal products are made from 6063 aluminum alloy or 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. See finishes information 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.

Standard Finishes:

A	- Mill Finish Aluminum	K	- PemKote™ (on aluminum or bronze)
AK	- Mill Finish Aluminum w/PemKote™	PA	- Mill Finish Aluminum
B	- Mill Finish Extruded Bronze (Brass)	PD	- Painted Dark Bronze Aluminum
BDC	- Bright Dip Clear Anodized Aluminum	PG	- Painted Gold Aluminum
BDG	- Bright Dip Gold Anodized Aluminum	PW	- Painted White Aluminum
C	- Clear Anodized Aluminum	S	- Cladded Stainless Steel
CB	- Cladded Brass	SN	- Satin Nickel Anodized Aluminum
D	- Dark Bronze Anodized Aluminum	SP	- Galvannealed Steel
G	- Gold Anodized Aluminum	SS	- Stainless Steel (see individual part for finish)
		Z	- Zinc Metal

Special Order Finishes:

Champagne	Polished Bronze, Uncoated
Light/Medium Dark Bronze	Satin Brushed Aluminum, Uncoated
Painted Aluminum (any color)	Satin Brushed Bronze, Uncoated
Polished Aluminum, Uncoated	Oxidized and Oil Rubbed Bronze

Finish Options:

PemKote™	Satin Buff Brushed Brass
Anodized (clear, light/medium dark bronze, black, champagne, gold)	Oxidized & Oil Rubbed L-metal (ANSI/BHMA 722)
Chrome Plate	Oxidized & Oil Rubbed L-metal (custom finish)
Prime Coat	Oxidized & Oil Rubbed Thresholds (ANSI/BHMA 722)
Pewter Finish for Aluminum	Oxidized & Oil Rubbed Thresholds (custom finish)
Polish/Buf Brass	Oxidized & Oil Rubbed Weatherstrip (ANSI/BHMA 722)
Polish/Buf Aluminum	Oxidized & Oil Rubbed Weatherstrip (custom finish)
Adhesive Gasketing And Replacement Eco-V™ Finishes:	Lites & Louvers Finishes:
BL - Black	B - California Beige Powder Coat
C - Clear	D - Dark Bronze Duranodic Powder Coat
D - Dark Brown	G - Gray Primer Powder Coat
GR - Light Gray	
TAN - Tan	
W - White	

Inserts:

ASSA ABLOY manufactures many products with gasket inserts (seals). See insert information below for all insert (seal) designations. Also, the available inserts (seals) for each individual product are shown adjacent to each individual product.

E - EPDM, Solid	PK - PemkoPrene®**	SB - Soft Brush
M - Magnetic	Q - Kerf-in Foam	T - ThermoSeal™
N - Neoprene or EPDM*	R - Sponge Neoprene or EPDM*	TF - Triple Foam
NB - Nylon Brush	S - SiliconSeal or Sponge Silicone (see individual part)	V - Eco-V™
P - Pile		

*N: As we "Green," inserts "N" may be either Neoprene or EPDM.

*R: As we "Green," inserts "R" may be either Sponge Neoprene or Sponge EPDM.

Over time, these inserts will move to EPDM material.

**PK: In order to best control our customers' costs some PK (Santoprene™) products may be a silicon based elastomeric material with comparable performance.

NOTE: If any of this may cause an issue, please contact Customer Service for specific insert information or solutions.

Fabrication Options:

ASSA ABLOY offers many fabrication options for our Pemko line to fit specific job requirements. Please consult our Customer Service and/or Engineering departments for details. Custom fabrications are subject to engineering design costs and are quoted on a time and material basis.

Bevel	One Edge	Miter2-2	Double, Both Ends of Threshold
Cut	Thresho-Sill Nosing Flush	MiterDS1-1	Door Shoe Miter, One End of Door Shoe
Leadline	Leadline of Astragals, Door Bottoms	MiterDS1-2	Door Shoe Miter, Both Ends of Door Shoe
Rip	Width	Half Notch	1/2", Door Shoe, Both Ends, Drip Only
Tack Weld	One Line	Half Notch	3/4", Door Shoe, Drip Only, Both Ends
Tab	Welded Tab & Screw	Half Notch	5/8", Door Shoe, Drip Only, Both Ends
Support Leg	For Elevated Plates 3" Center to Center	Half Notch	9/16", Door Shoe, Drip Only, Both Ends
L-Notch	Both Ends of Threshold	Full Notch	1/2", Door Shoe, Both Ends
U-Notch	Both Ends of Threshold	Weep Holes	All Door Shoes
Drill	Thresho-Sill (Add "H" to Prod. #)	Custom Holes	Custom Hole Pattern
Mill & Drill	Thresho-Sill (Add "M" to Prod. #)		
Miter1-1	Single, One End of Threshold		
Miter1-2	Single, Both Ends of Threshold		
Miter2-1	Double, One End of Threshold		

Fabrication Options Important Note: Complicated fabrications are quoted based on time and materials.

Drawings:

Product drawings throughout the catalog may be a reduced representation/not drawn to scale. They are representations of the product size, dimensions, shape, etc. For scale drawings in PDF or AutoCAD (DWG or DXF) format, please visit our website: www.assaabloydooraccessories.us

Product Testing/Classification Symbols

These symbols are shown adjacent to products throughout the catalog so that one can readily identify and select products which meet specification and/or code requirements.

**GREENGUARD GOLD Certification:**

Tested To: UL2818

GREENGUARD GOLD Certified products are certified to GREENGUARD GOLD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

**Air Infiltration Tested**

Tested To: ASTM E-283-04 (2012)

Products indicated by this symbol have been air infiltration tested in accordance with the requirements of ASTM E-283 Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors.

**Sound Tested**

Tested To: ASTM E 90-2009

Products indicated by this symbol have been acoustically tested in accordance with ASTM E 90-2009. Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions Tests were conducted by accredited laboratories for acoustic testing. Contact ASSA ABLOY for recommended PEMKOSTCSET kits.

**Barrier-Free**

Meets Requirements of: ADAAG-2010 (Amended) and ICC / ANSI A117.1-2009

Products indicated by this symbol are access compliant by having installed height differences not over 1/2" with allowable edge and slope conditions. All ramp products (found in the Modular Ramp section) have ADA compliant 1:12 slopes: Pemko Modular Ramp Thresholds, Rubber Ramp Thresholds and Recycled Rubber Ramps. Contact ASSA ABLOY or refer to page 14 for recommended Barrier-Free Systems.



Non-Skid/PemKote™

Meets Requirements of: ASTM D 2047, UL 410 & Federal Specifications P-F-430C

PemKote™ is a rugged abrasive finish of nickel-aluminum composite which is fused to the metal surface by an exothermic reaction. This process produces an aesthetically pleasing skid resistant coating with extremely high bond strength and excellent resistance to oxidation. PemKote™ carries a TEN (10) YEAR GUARANTEE, and is available on all Pemko line metal thresholds and metal modular ramps. ASSA ABLOY highly recommends the use of PemKote™ for all Barrier-Free Modular Ramps and as a durable, economical alternative for cast abrasive products.



Smoke Tested

Tested To: UL 1784

Meets Requirements of: NFPA 105-2013

Products indicated by this symbol are Listed by WYLE Laboratories as having been tested in accordance with Underwriters Laboratories Inc.®, Standard UL 1784 Air Leakage Tests of Door Assemblies, and meet the performance criteria for allowable air leakage as specified in NFPA 105-2013 Installation of Smoke Control Door Assemblies.



Fire Rated

Products indicated by this symbol are fire rated, classified and listed (U.S.A. and Canada) to meet the requirements/standards of UL10B, UL10C, and UL10C (Edge Sealing). For a complete listing of fire rated and UL rated products, please refer to the UL website.



PemkoHinge® Rating:

All models designated with these symbols are tested and certified by Underwriters Laboratories Inc.® (U.S.A. and Canada) to standards UL10B and UL10C for up to a 3-Hour Fire Listing for all 4'-0" x 10'-0" and 8'-0" x 10'-0" door and frame assemblies. Fire listing certifications apply to all approved hollow metal and wood door assemblies in drywall or masonry wall construction. Check UL Rating #R14745 on the UL website for a complete and current listing of applicable PemkoHinge® products.



Builders Hardware Manufacturers Association:

Products indicated by this symbol have been voluntarily submitted to rigid third party testing and follow-up audits to confirm that they fully and continuously meet or exceed the requirements of their underlying ANSI / BHMA Standards. These products are listed in the BHMA Certified Products Directory, which is, published annually, and is available for purchase from BHMA. They are also posted and frequently updated on the BHMA website at www.buildershardware.com. ASSA ABLOY products are covered by the following: ANSI / BHMA A156.21-2014 Standard for Thresholds, ANSI / BHMA A156.22-2012 Standard for Door Gasketing Systems, and ANSI / BHMA A156.26-2012 Standard for Continuous Hinges.



UL1S47 - Check UL File #R18375 on the UL website for a complete and current listing of applicable Pemko line edge sealing and fire glazing products (not specifically listed by item in this product catalog).



UL4L10 - Check UL File #R14369 on the UL website for a complete and current listing of applicable Pemko line products (not specifically listed by item in this product catalog).




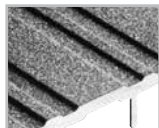












Check Pemko's Category G, Category H and Category J listings on ITS website www.intertek.com for a complete and current listing of applicable Pemko line edge sealing, perimeter gasketing and fire glazing products.

Barrier-Free Systems



The ASSA ABLOY Pemko line includes many products such as modular ramps, thresholds and floor treads, that help you meet the requirements of the Americans with Disabilities Act (ADA) as outlined in the Americans with Disabilities Act Accessibility Guidelines (ADAAG-2010 amended); ICC /ANSI A117.1-2009 Standard Accessible and Usable Buildings and Facilities; any of the various Uniform Building Codes; or state access codes (e.g. California Building Code, Title 24).

The following table shows which products comply with the ADAAG and ICC /ANSI standard and also notes their respective sections.

ICC / ANSI A117.1 (ADAAG)	Pemko Recommendation
302 (4.5) Floor or Ground Surfaces. 302.1 (4.5.1) General. "shall be slip resistant"  <i>Skid resistant.</i>	<p>"Slip resistant" PemKote™, non-skid surface</p> <ul style="list-style-type: none"> PemKote™ (finish code: "K") is a rugged abrasive finish of nickel-aluminum composite PemKote™ provides safety in environments used by youths and people with disabilities For more information, see the Modular Ramps section  <i>PemKote™: skid resistant surface.</i>
302.2 (4.5.3) Carpet. "Exposed edges of carpet.... shall have trim along the entire length of the exposed edge. Trim shall comply with Section 303"	  Note: See Commercial Thresholds section (page 134) for more options.
303 (4.5) Changes in Level 303.2 (4.5.2) Vertical. "Changes in level of 1/4" (6mm) high maximum shall be permitted to be vertical"	 Note: See Commercial Thresholds section (pages 132-133) for more options.
303.3 (4.5.2) Beveled. "Changes in level between 1/4" (6mm) high minimum and 1/2" (13mm) high maximum shall be beveled with a slope not steeper than 1:2"	 Note: See Commercial Thresholds section (pages 104-110) for more options.
303.4 (4.5.2) Ramped. "Changes in level greater than 1/2" (13mm) shall be ramped and comply with Section 405 (4.8)"	<ul style="list-style-type: none"> Assemblies accommodate 1/2" to 2 1/4" floor offsets in meeting the 1:12 slope requirements of the "Americans with Disabilities Act" Rubber ramp component assemblies meet the same requirements. Answer the needs of architects, specifiers, building owners, installers, and physically challenged people For use in schools, hospitals, stadiums, offices, restaurants, hotels, airports, and more For complete information, see the Modular Ramps section
404 (4.13) Doors and Doorways. 404.2.5 (4.13.8) Thresholds at Doorways. "...shall be 1/2" high maximum...shall comply with Sections 302 and 303"	  Note: See Commercial Thresholds section (pages 104-110 and 121) for more options.
404.2.9 (4.13.11) Door-Opening Force	  
405 (4.8) Ramps 405.2 (4.8.2) Slope. "Ramp runs shall have a running slope not steeper than 1:12" <i>(Note: Some exceptions apply to this with respect to existing buildings having space limitations. Consult Pemko for specific applications.)</i>	 Note: See Modular Ramp section (pages 142-146) for more options.
504 (4.9) Stairways 504.4 Tread Surface 504.5 (4.9.3) Nosings	  Note: See Floor Treads section (pages 132-133) and Floor Molding, Trim section (page 284) for more options.



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 on line at www.buildershardware.com.

American National Standard for Thresholds ANSI/BHMA A156.21 (2014)

1 Product Section "J" Designates Architectural Door Trim, Thresholds				
2 Material	3 Configuration	4 Surface	5 Description	6 Description
1. Architectural Extruded Brass or Bronze 3. Aluminum 5. Stainless Steel 7. Rubber & similar nonmetallic 0. Other (ie: cast iron, safety abrasive, etc.)	1. Compressing top 2. Flat Saddle 3. Half Saddle 4. Interlocking 5. Rabbeted, Latching/Panic with Gasket 7. Plate 8. Ramped 9. Saddle for Floor Closer 0. None designated	1. Fluted 2. Fluted with abrasive 3. Smooth 4. Smooth with abrasive	1. Applied Stop 2. Applied Stop with gasket 3. Barrier Free 4. Carpet Separator 5. Ends Mitered 6. Expansion Assembly 7. Hook Strip Applied to door 8. Offset 9. Thermal Barrier 0. None Designated	1. Applied Stop 2. Applied Stop with gasket 3. Carpet Separator 5. Ends Mitered 6. Expansion Assembly 7. Hook Strip applied to door 8. Offset 9. Thermal Barrier 0. None Designated

Suffix "-HD" designates thresholds meeting Heavy Duty requirements

American National Standard for Door Gasketing and Edge Seal Systems ANSI/BHMA A156.22 (2012)

1 Product Section "R" Designated Gasketing					
2 Product Material	3 Gasketing Material		4 Product Type	5 Material Application	6 Gasketing Rating
1. Brass or Bronze	A. Brush	R. Intumescent/	1. Head and Jamb	1. Door Edge	0. Smoke/Energy
3. Aluminum	B. Neoprene, solid	Neoprene, Solid	2. Head and Jamb,	2. Door Edge, Mortise	Performance/
5. Stainless Steel	C. Neoprene, closed cell	S. Intumescent/	Adjustable	3. Door Face	Acoustic Rated
0. Optional material	D. Vinyl/Eco-V™	Neoprene Closed	3. Automatic Door	4. Door Face,	1. Smoke/Energy
or none used	E. Silicone Rubber	Cell	Bottom	Semi-Mortise	Performance Rated
	F. Pile	T. Intumescent/Vinyl	4. Door Sweep or Shoe	5. Frame Rabbet	2. Smoke/Acoustic
	G. Thermoplastic	U. Intumescent/	5. Door Sweep or Shoe	(surface or mortise)	Rated
	Elastomer (TPE)	Silicone Rubber	with Drip Cap	6. Frame Soffit (H.M.)	3. Energy Performance/
	H. Thermoplastic	V. Intumescent/Pile	6. Astragal Overlapping	Frame Stop (W.D.)	acoustic Rated
	Urethane (TPU)	W. Intumescent/	7. Astragal Split or	7. Frame Face	4. Smoke Rated
	J. Thermoplastic	Thermoplastic	Compensating	8. Kerf	5. Energy Performance
	Rubber	(TPE)	8. Astragal Adjustable	9. Stop (H.M.),	Rated
	K. Spring Metal	X. Intumescent/	9. Rain Drip without	Stop Face (W.D.)	6. Items not Rated
	L. Magnetic	Thermoplastic	gasket	0. Other	7. Acoustic Rated
	M. Felt	Urethane (TPU)	0. Other		
	N. Rubber Fabric	Y. Optional material			
	P. Intumescent	or none used			
	Q. Intumescent/Brush	Z. Intumescent/			
		Thermoplastic			
		Rubber			

American National Standard for Continuous Hinges ANSI/BHMA A156.26 (2012)

First letter denotes BHMA Product Section (A)					
First Numeral-Product Material	Second Numeral-Type of Product	Third Numeral-Electrical Modifications	Fourth Numeral-Door Weight (lbs)	Fifth Numeral-Grade Classification	Second Letter-Hinge Type
1. Brass, Bronze 3. Aluminum 5. Stainless Steel 8. Steel	1. Edge Mounted Hinges 2. Half Edge Mounted Hinges 3. Full Surface Hinges 4. Half Surface Hinges 5. Swing Clear 6. Raised Barrel 7. Wide Throw 0. Other	0. None 1. Concealed Wire Transfer 2. Monitor 3. Power Transfer 4. Other	1. 150 2. 300 3. 600 4. 1200	1. Grade 1 2. Grade 2 3. Grade 3	B. Barrel G. Geared