

PRODUCT SYMBOLS

Sound Tested



Pemko sound tested products represent those systems which performed consistently and with the highest STC (Sound Transmission Class) ratings. The higher the rating, the lower the transmission of sound. The products are tested in certified and nationally accredited acoustic laboratories. Contact Wilco Supply or Pemko for more information.

Smoke Labeled



Pemko SmokeSeal™ Systems and smoke tested products are the result of smoke labeling requirements stemming from the NFPA 101 Life-Safety Code which specifies and requires the use of smoke gasketing. Pemko strongly advises that prior to specifying or installing any Pemko SmokeSeal™ System that it be reviewed with local officials having jurisdiction and inspection approval. Contact Wilco Supply or Pemko for more information.

Fire Labeled



Pemko provides a full range of products for use on fire labeled openings. All of these products are Listed and Labeled by UL® as gasketing materials for use on listed steel frames and/or swinging type classified fire doors of the hollow metal or steel covered composite type rated up to 3 hours, wood-core fire doors rated up to 1 1/2 hours. Pemko strongly advises that prior to specifying or installing any Fire Labeled™ System that it be reviewed with local fire and/or building officials having jurisdiction and inspection approval. Contact Wilco Supply or Pemko for more information.

Barrier Free and PemKote™ Skid-Resistant Surface



With respect to ramps, stairs and doors, Pemko offers numerous ADA compliant products that will help you meet the requirements of the “Americans with Disabilities Act Accessibility Guidelines”. Products indicated by this symbol are not more than 1/2" higher than the floor (assuming a level floor) and have no more than a 1/4" vertical rise or with slope proportions no greater than 1:2. Offset floor conditions resulting in level changes greater than 1/2" require a 1:12 slope. PemKote™ is a rugged abrasive finish of nickel-aluminum composite which is fused to the metal surface. This process produces an aesthetically pleasing, skid-resistant coating which Pemko recommends for all barrier-free modular ramps. Contact Wilco Supply or Pemko for more information.

Air Infiltration



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* and SDI 116 *Test Procedure and Acceptance of Rate of Air Flow Through Closed Steel Door and Frame Assemblies*. All of the products tested and indicated by this symbol are well below the maximum allowable leakage of 0.500 CFM/FT @ 1.57 PSE.

PEMKO FINISH AND SEAL CODES

Finish Codes

- | | |
|--|---|
| A = Mill finish aluminum | PA = Painted alum.color |
| AK = PemKote™Abrasive Surface | PD = Painted bronze color |
| B = Mill finish finish extruded bronze (brass) | PG = Painted gold color |
| C = Clear anodized aluminum | PW = Painted white color |
| D = Dark bronze anodized aluminum (duranodic) | SS = Stainless steel |
| G = Gold anodized aluminum | SP = Gray prime-coated steel |
| | US10B = Oil rubbed bronze (only on solid bronze pieces) |

Seal Codes:

- | | |
|-------------------------|---|
| F = Felt | PK = PemkoPrene™ (thermo-plastic rubber, flexible between -70° F and +250° F) |
| M = Magnetic | Q = Kerf in foam |
| N = Neoprene | R = Sponge neoprene |
| NB = Nylon Brush | S = SiliconSeal™ |
| P = Pile or nylon brush | T = Thermoseal |
| | V = Vinyl |

EXTRUSIONS AND THRESHOLDS

All Pemko extrusions are available in a variety of lengths, some items up to fifteen feet long. Check with our professional sales staff for specifics.

SADDLE THRESHOLDS

Pemko saddle thresholds are available in a variety of heights from 3/16" to 5/8" and widths up to 10 inches. They are also available as half saddles, offset saddles and thermal barrier saddles. Elevators are available to allow for custom sizing and offset conditions. Shown here are stock items, other configurations are available on factory order. Check with our sales professionals for more information.



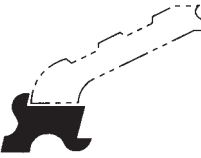
Half Saddle



Thermal Barrier Saddle



Offset Saddle



Elevator

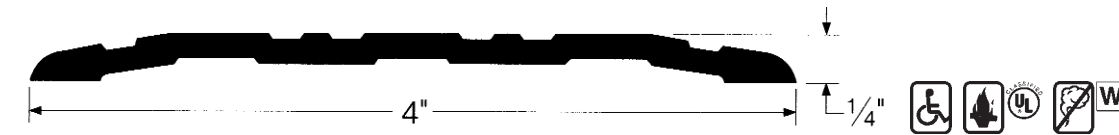
SADDLE THRESHOLDS

- 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.
- All thresholds (as applicable) are in compliance with ANSI/BHMA A156.21-1994 standard for thresholds.
- Unless otherwise specified, all thresholds are pre-drilled on center line and supplied with fasteners.
- For corrosive environments, stainless steel screws are available at an extra cost.

Saddle Thresholds



Part No.: PEM 173A 36



Part No.: PEM 270A 36 PEM 270A 72
 PEM 270D 36 PEM 270D 72



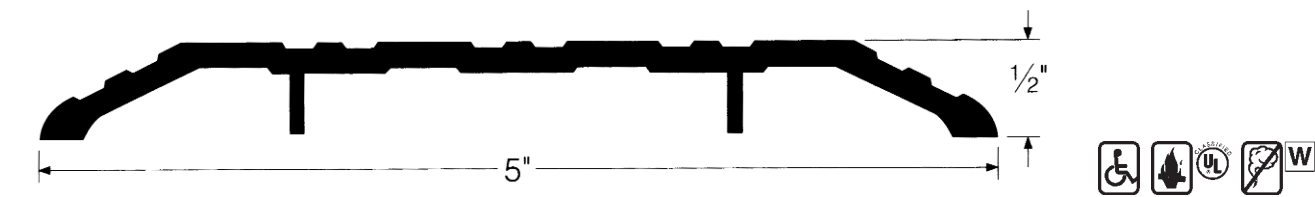
Part No.: PEM 271A 36 PEM 271 A72



Part No.: PEM 272A 36 PEM 272A 72



Part No.: PEM 170A 36 PEM 170A 72



Part No.: PEM 171A 36 PEM 171A 72 PEM 171D 36 PEM 171D 72



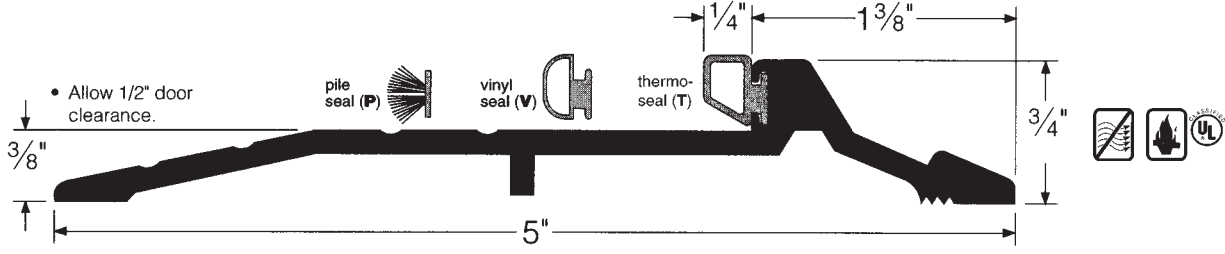
Part No.: PEM 172A 36 PEM 172A 72

LATCH TRACK THRESHOLDS

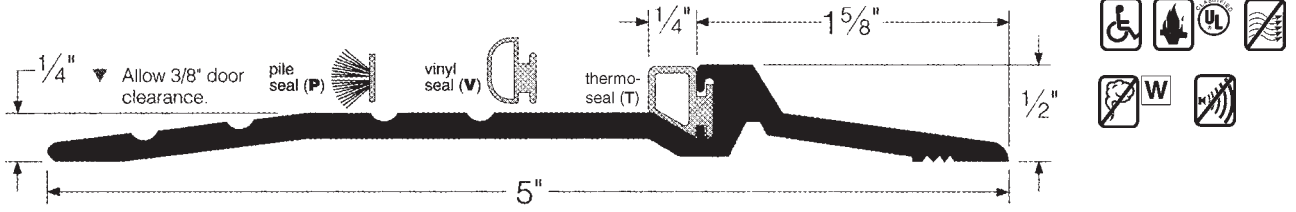
Used in conjunction with surface applied vertical rod exit devices, or as a stop and a seal at the bottom of the door. Stocked with vinyl insert. Pile or silicone available on factory order.

Latching Panic Exit Saddles

- To make an offset, use an elevator.



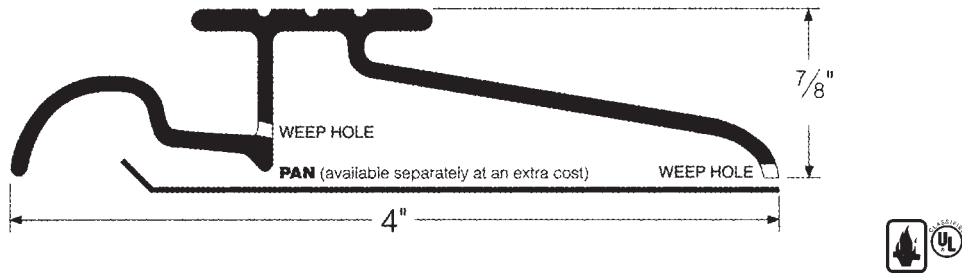
Part No.: PEM 179AV 36 PEM 179AV 72



Part No.: PEM 2005AV 36 PEM 2005DV 36

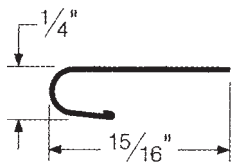
INTERLOCKING WATER RETURN THRESHOLDS

Water return thresholds are designed to catch any water which may blow or run under the door and return it to the outside through interior weep holes, down the sloped drain pan and out the exterior weep holes. The hook strip that is applied to the bottom of the door is supplied as standard, the drain pan is optional and must be specified. Not stocked, available on factory order.



Part No.: PEM 145A 36

Hook



When installed properly on bottom of door, hooks interlock with threshold for a superior seal.

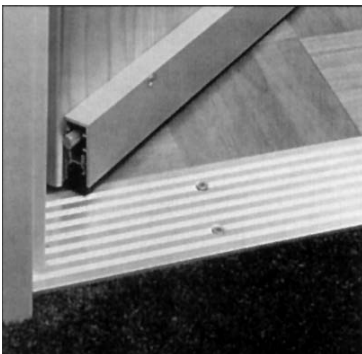
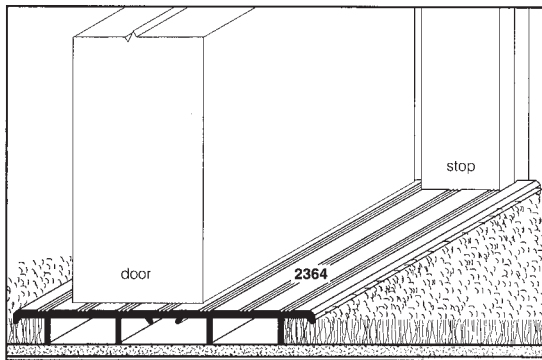
.018 zinc, 0.15 bronze

Part No.: PEM Z61 36

THRESHOLD

Carpet/Special Purpose Thresholds

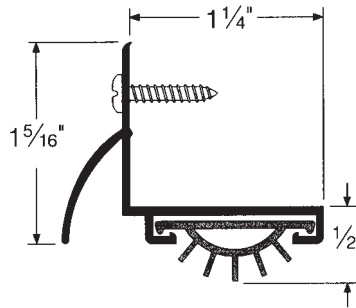
Thresholds to fit over carpeted or thick hardwood floors. Small taper on the front and back allows floor material to be tucked easily beneath the threshold.



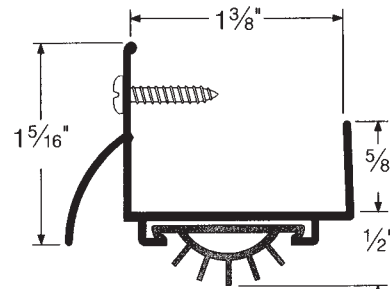
Part No.
 PEM 2364A 36
 PEM 2364A 72
 PEM 2364D 36
 PEM 2364D 72

DOOR SHOES

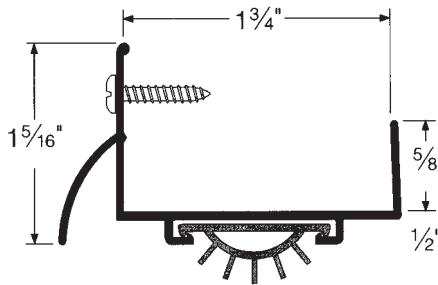
- Slotted holes for adjustment
- Furnished with vinyl (V) insert, as shown



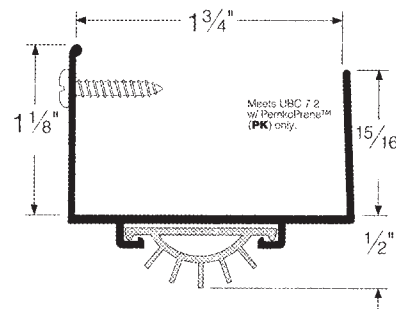
Part No.
 PEM 210AV 36
 PEM 210DV 36



Part No.
 PEM 215AV 36

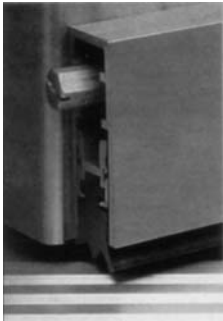


Part No.
 PEM 216AV 36
 PEM 216DV 36



Part No.
 PEM 217AV 36

AUTOMATIC DOOR BOTTOMS



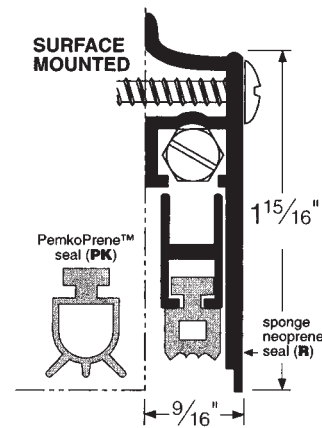
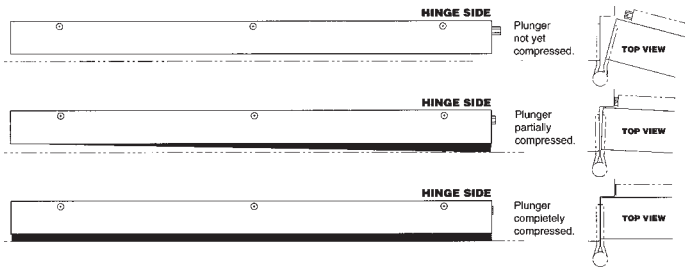
Low Closing Force

All Pemko automatic door bottoms consist of an aluminum case which surrounds a movable drop bar seal. The drop bar seal is actuated by a plunger which contacts the jamb as the door is closing, forcing the drop bar seal down against the floor/threshold.

- All models (except PEM 430 and PEM 412) are non-handed and reversible. Installation is fast and easy because disassembly is not required to change handing: simply flip the automatic door bottom, and you've reversed the hand. The clean, symmetrical square-shaped case design also provides for even flush mounting.
- End plates are provided for all mounting applications.
- All Pemko automatic door bottoms seal up to a 3/4" gap under the door.
- Available in any net size ranging from 18" to 72".
- All models can be trimmed down by up to 2".
- All Pemko Automatic Door Bottoms are stocked with sponge neoprene inserts. They are also available with PemkoPrene™ or Nylon Brush inserts on factory order.

Drop Bar Seal Actuation

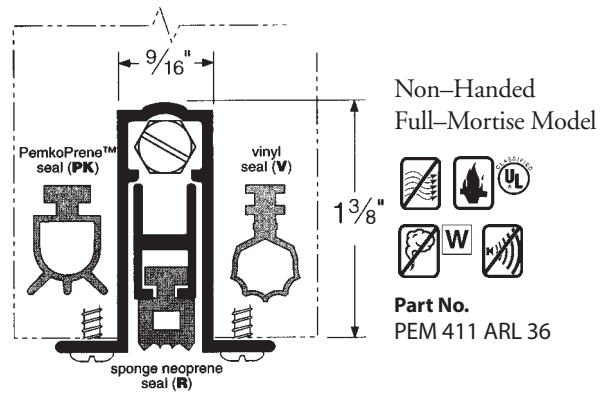
- The new mechanism (all models) causes the drop bar seal to always actuate on the hinge side first. This feature prevents the seal from skidding along the floor while the door is being closed. Door hang up will not occur.



Surface Mounted Automatic Door bottom. Handed, supplied L.H. Easily field reversible. Reversing instructions included.



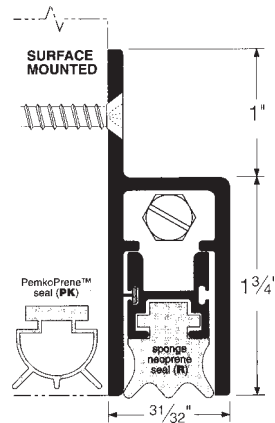
Part No.
 PEM 412CRL 36
 PEM 412CRL 48
 PEM 412DRL 36



Non-Handed Full-Mortise Model



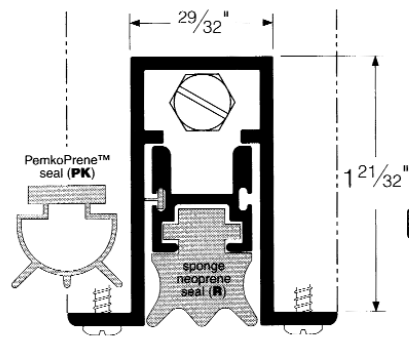
Part No.
 PEM 411 ARL 36



Automatic Door Bottom for surface or semi-recessed applications. Handed, supplied L.H. Easily field reversible. Reversing instructions included.



Part No.
 PEM 430 CRL 36 F/O

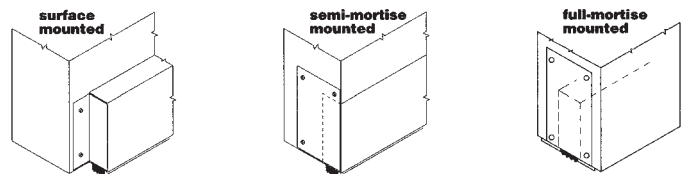


Automatic Door bottom for mortise applications. Handed, supplied L.H. Easily field reversible. Reversing instructions included.

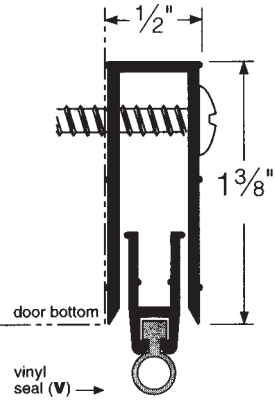
Part No.
 PEM 434ARL 36 F/O

End Plates

Provided with all non-residential models to protect the mechanism and to give a clean aesthetic appearance. Supplied for latch side only – hinge side remains open.



Residential Automatic Door Bottoms

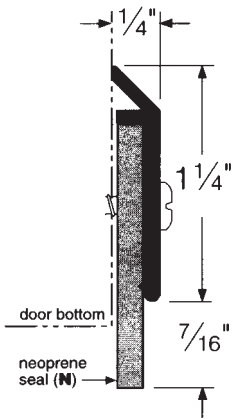


- Surface type for wood doors
- 1/2" maximum drop
- Non-handed
- Includes vinyl (V) insert
- Can be trimmed down 2"
- Sizes: PEM SA2 32"
PEM SA3 36"

Part No.
PEM SA2
PEM SA3

DOOR BOTTOM SWEEPS

Door Bottom Sweeps

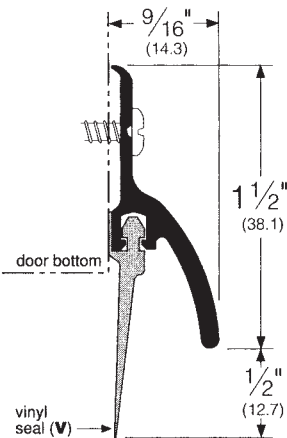


- Slotted holes for adjustment



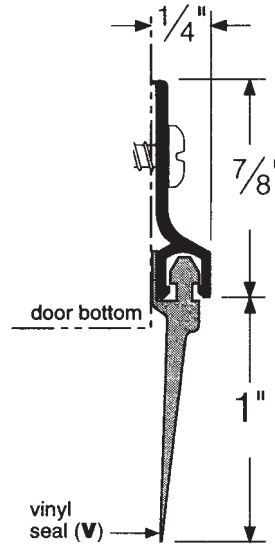
Part No.
PEM 315CN 36

Door Bottom Sweep with Rain Drip Cap



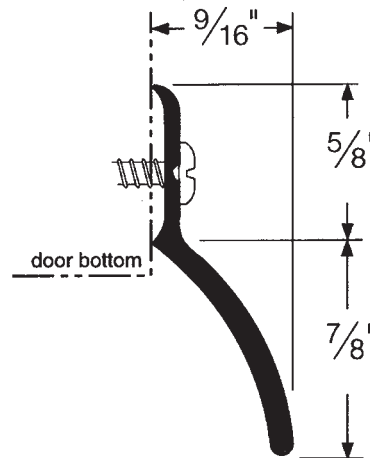
Part No.
PEM 345AV 36

Door Bottom Sweep



Part No.
PEM 307AV-36
PEM 307AV-42
PEM 307AV-48
PEM 307DV-36

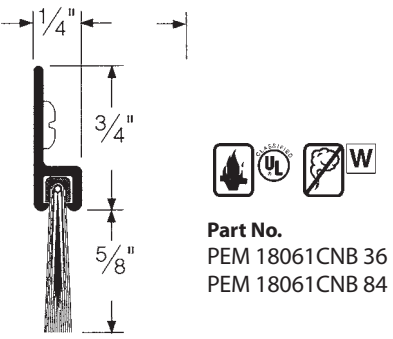
Rain Drip Cap



Part No.
PEM 345A 36
PEM 345A 48
PEM 345D 36

WEATHER STRIPPING

Brush Weatherstrip

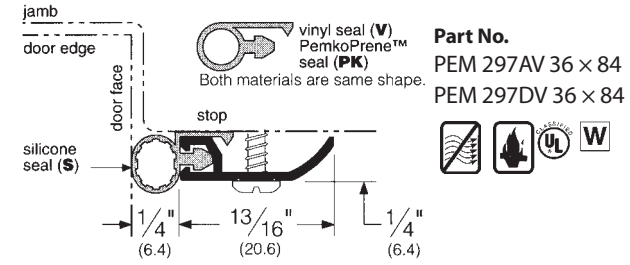


Part No.
 PEM 18061CNB 36
 PEM 18061CNB 84

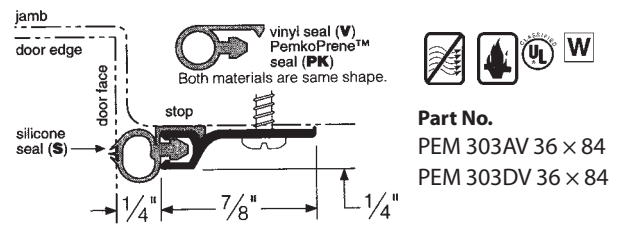
- All brush seals consist of densely compressed nylon filaments encased in high quality aluminum retainers. These products are ideally suited for hollow metal and wood doors in door sweep, jamb/header gasketing, and split astragal applications. Also use Pemko's brush weather stripping products on overhead doors, sectional doors, sliding doors, and automatic doors.
- All brush seals greatly reduce the infiltration of light, air, wind, rain and snow; prevent heat loss; control the penetration of smoke and fumes.
- The dense nylon filaments conform to the contours of every sealing surface, providing a superior seal with extremely low closing force.
- Remains flexible down to 40°F and has a melting point above 400°F.

Rigid Jamb Weatherstrip

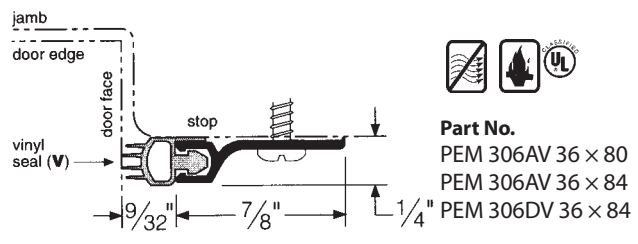
- Rigid jamb weatherstrip shown mounted on openings with 1/16" gaps; however, each weatherstrip can seal gaps up to the length of its seal. For instance, the illustration of the 303AV shows a seal that is 1/4" in diameter, therefore it will seal to a 1/4" gap.
- Punched with slotted holes for adjustment.
- All Pemko Rigid Jamb Weatherstripping sets are stocked with vinyl seals. PemkoPrene™ and Silicone Seal are available on factory order.
- When sets are described with two dimensions, the dimensions are the door size the set will accommodate. (A 36 x 84 set will have two 84" pieces and one 36" piece.)



Part No.
 PEM 297AV 36 x 84
 PEM 297DV 36 x 84

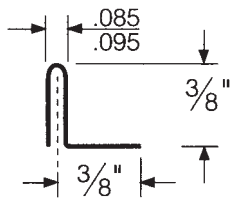


Part No.
 PEM 303AV 36 x 84
 PEM 303DV 36 x 84



Part No.
 PEM 306AV 36 x 80
 PEM 306AV 36 x 84
 PEM 306DV 36 x 84

Interlock Weatherstrip

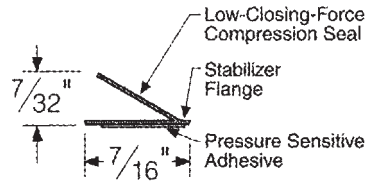


- Made from .015 gauge bronze.
 - Fasteners available at additional cost.
- Part No.**
 PEM B41 84

SMOKE AND FIRE GASKETING

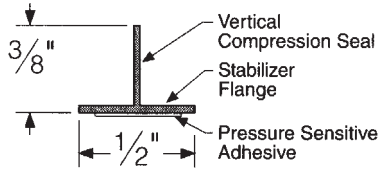
Pressure Sensitive Adhesive Type

Extruded from high-grade silicone. Seals begin compressing at 7/32" (S44), 3/8" (S77) and 1/4" (S88) and can be compressed sufficiently to seal openings with 1/16" gaps without losing their form. Self-extinguishing and non-toxic. Stays flexible well below -100° F and resilient above +400° F. Unaffected by sunlight, ozone and ultraviolet rays. Impervious to fungus and mildew. Will not deteriorate under normal exposure.



S44 is designed for tighter frames and demonstrates extremely low closing force. Not recommended for frame-to-door gaps over 1/8". Stocked in 17' lengths, it is also available in 20', 21', 25' and 510' rolls on factory order. Dark bronze color stocked, also available in white.

Part No.
 PEM S44D 17

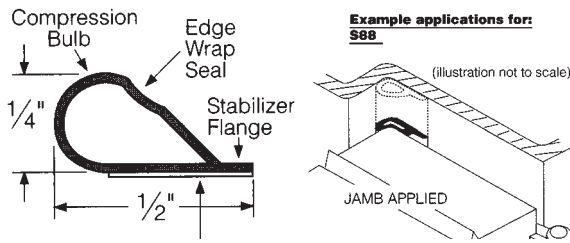


S77 is extremely flexible and is also excellent for tight tolerances. S77 should be mounted on the edges of the door. Stocked in 17' lengths, it is also available in 20', 21', 25' and 510' rolls on factory order. Dark bronze color stocked, also available in white and clear (for glass doors).

Part No.
 PEM S77D 17

Adhesive Jamb Weatherstrip

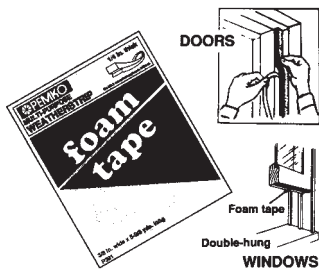
SiliconSeal™ Pressure Sensitive Door Gasketing



S88 is extremely flexible and air infiltration tested to 500% of industry standard. Perfect for larger gaps between the door and frame. Stocked as shown, also available in 20', 25' and 510' rolls on factory order. Dark brown and white stocked. Also available in tan.

- Part No.**
 PEM S88D 17
 PEM S88D 20
 PEM S88D 204
 PEM S88W 17
 PEM S88W 20

Foam Tape Weatherstrip



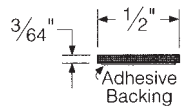
- Open cell polyurethane.
- Easily compressible self-adhesive weatherstrip.

Part No.	Color	Dimensions
PEM P-390	Gray	3/16 x 3/8 x 17'
PEM P-391	White	1/4 x 3/8 x 17'
PEM P-392	Gray	3/8 x 3/8 x 17'
PEM P-394	Gray	1/2 x 3/4 x 17'

Hot Smoke Seal™



Hot Smoke Seal™ is a chemically inert, highly stable, expandable graphite strip. It consists of an expandable graphite in a polymeric binder, incorporating an adhesive backing for installation. As the heat from a fire reaches 400° F, Hot Smoke Seal™ begins a multi-directional expansion and swells up to 40 times its original volume to fill the gap around the perimeter of the door. It is tested and proven in positive pressure conditions to withstand both hot smoke and hot gasses, resulting in the longer integrity of a door assembly. Install on a clean, dry door frame surface at a temperature above 55 degrees and paint it to match. Stocked in 18 foot rolls, also available in 21' and 25' rolls.



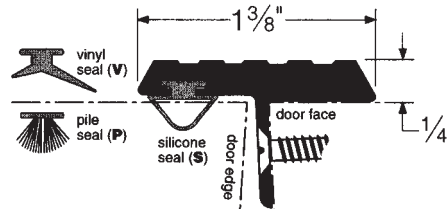
Part No.: PEM HSS2000 18

ASTRAGALS/MEETING STILE WEATHERSTRIP

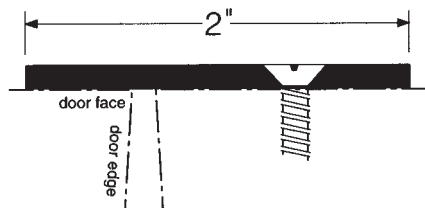
- Astragals/meeting stiles on double doors often present problems because of complex conditions and requirements. PEMCO offers some simple and inexpensive solutions as well as more detailed ones. Each job should be carefully studied as to the specific requirements when selecting the appropriate weatherstrip. Note that some astragals consist of two parts, one for each door, and should be so ordered.
- Astragals/meeting stiles with a fire label must only be mounted on pairs of doors wherein *the gap* meets the requirements of NFPA 80, 2-5.4.
- Astragals with seals are stocked with vinyl seals. Pile seals or silicon seals are available on factory order.

Overlapping Astragals

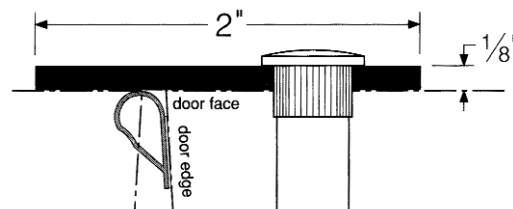
- Aluminum parts are 1/8" thick; steel parts are 3/16" thick.
- 1/4-20 machine screws and thru bolts available at additional cost.
- Stocked with vinyl seal, pile or silicone on Factory Order.



- Part No.**
 PEM 355CV 84
 PEM 355CV 108
 PEM 355DV 84
 PEM 355DV 108



- Part No.**
 PEM 357SP 84
 PEM 357SP 96
 (SP = Gray primed steel)



If specifications state that an astragal is required to satisfy fire and/or smoke listing and labeling, then a through bolted 357SP in conjunction with the S88 is the only configuration that can be used.

ADA RAMP THRESHOLDS

Modular Ramp Thresholds (ADA Compliant)

Not Stocked, available on Factory Order; in lengths from 36" to 96" in 1" increments

- Patented ADA compliant system (U.S. Patent #D345,218) answers the needs of architects, specifiers, building owners, installers and most importantly physically challenged people. For use in schools, hospitals, offices, restaurants, hotels, stadiums, and more.
- Assemblies consist of interlocking components, eliminating the need to weld joints. The interlocking ball-joint design allows each component to flex and conform to uneven surfaces.
- Accommodates 1/2" to 3" offsets in meeting the 1:12 slope requirements of the "Americans with Disabilities Act".

- For the ADAAG's 1:8 slope allowance for existing buildings, use any variable ramp assembly (VAR) to accommodate up to 1 1/4" offsets.
- Assemblies allow for custom fabrication such as U-notching, L-notching, side-access extensions, and more. Contact Wilco Supply for more information.
- Specially designed miter returns are highly recommended (next page); otherwise, we recommend filling and feathering the threshold ends with grout. **Do not leave threshold ends open.**

New Assemblies for up to 2 1/4" floor offsets and even higher:

Pemko has added many new assemblies (not shown) which accommodate up to 2 1/4" floor offsets (and even higher) in meeting the 1:12 slope requirements of the ADA. Please contact Wilco Supply for more information.

Example Number:
R.75OSSMRAK

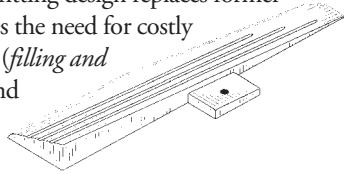
R	= Ramp
OFFSET HEIGHT	
.5	= 1/2"
.75	= 3/4"
1	= 1"
1.25	= 1-1/4"
VARI	= to 1-1/4"
APPLICATION	
F	= Flush out to
OS	= Offset (7" top plate)
OSS	= Offset (3-1/2" top plate)
MR	= Miter Return (1 pair)
FINISH	
A	= Aluminum (mill finish)
AK	= PemKote™



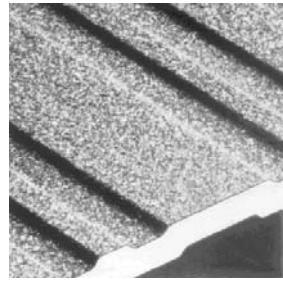
ADA RAMP THRESHOLDS

Miter Returns for Modular Ramp Thresholds

- Cast aluminum “wings” fit into each end of an assembly and are then fastened with self-tapping machine screws.
- This neat, compact, and tight-fitting design replaces former mitering methods. It eliminates the need for costly and time-consuming grouting (*filling and feathering the threshold ends*), and eliminates previous custom miters which may have been welded and protrusive.



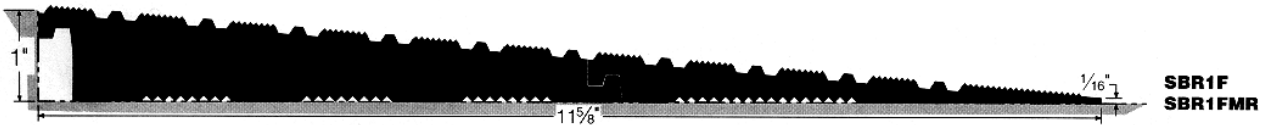
Pemkote™



- Pemko strongly recommends PemKote™ for all modular ramp threshold assemblies.
- PemKote™, a rugged, abrasive, and skid-resistant surface, is flame sprayed in a molten state onto the ramp surface. It is highly durable and provides safety in environments used by youths and people with disabilities.

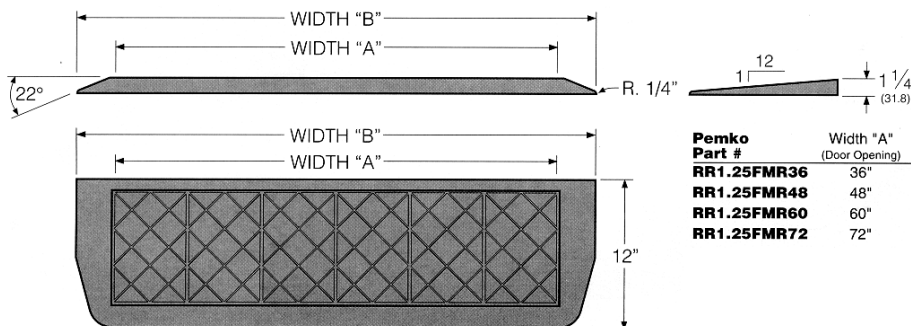
Rubber Ramps (ADA Compliant)

- Rubber ramps are ADA compliant & meet the requirements of ADAAG–1992, CAB)/ANSI A117.1–1992; UBC; and California C.C.R., Title 24, Part 2.
- Rubber ramps are easy to install on most surfaces (including wood, concrete, tile, and asphalt), using a construction adhesive such as “liquid nails™”. Mechanical fasteners are not required.
- Rubber ramps are extruded from styrene butadiene rubber which is weather and ozone resistant.
- Rubber ramps also retard fire and are extremely abrasion and impact resistant.
- Part numbers are designated according to the following example: **SBR1F** – “SBR” refers to styrene butadiene rubber, “1” indicates the offset height, and “F” refers to the product’s flush application. All assemblies are for flush applications. Available up to 156” in length.
- Rubber ramps are cut square on each end but are available with molded rubber miter returns which can be glued to each end for a more pleasing appearance. To receive a pair of miter returns, add “MR” to the part number (example: **SBR. 5FMR**).



Recycled Rubber Ramps (ADA compliant)

- Recycled rubber ramps are ADA compliant and meet the requirements of ADAAG–1992; CABO/ANSI A117.1–1992; UBC; and California C.C.R., Title 24, Part 2.
- Made of 100% recycled California rubber.
- Enhanced skid resistance with diamond waffle surface.
- Inexpensive and easy to install.



Pemko Part #	Width "A" (Door Opening)	Width "B" (Total Width)
RR1.25FMR36	36"	42"
RR1.25FMR48	48"	54"
RR1.25FMR60	60"	66"
RR1.25FMR72	72"	78"

- Recycled rubber ramps which are wider than 42" (total width) are supplied in two pieces.
- Guaranteed for 5 years against defects in material and workmanship.



PEMKOHINGE™ — CONTINUOUS GEARED HINGES

- Unlike a conventional hinge, PemkoHinge™ does not have a pin. PemkoHinge™ is not like a piano hinge either, which has 50% of each knuckle cut away, and depends on a thin wire to hold each leaf together.
- PemkoHinge™ consists of two full-height, paired and geared leaves. Each geared leaf rotates evenly from top to bottom, riding on Delrin®-Teflon® bearings. The geared leaves and bearings are held together by a full-length channel cap. This assembly retains the smooth, clean lines of the door and frame, while easily supporting heavy vertical loads.
- Unlike conventional hinges, Pemko's continuous geared aluminum hinges **distribute load stress uniformly** along the full length of the door frame, diffusing wear and tear from closer kickback shock and eliminating door sag and binding.
- All PemkoHinge™ products have **20% more extrusion thickness** at critical stress points. This feature gives additional strength and rigidity to the finished product.
- Pemko designed the intermeshing gear segments in all PemkoHinge™ products to provide **54% more bearing surface**. With more bearing surface, less wear results.
- PemkoHinge™ products are ideal for use on lead lined doors (i.e. hospital X-ray rooms), without requiring special screw locations.

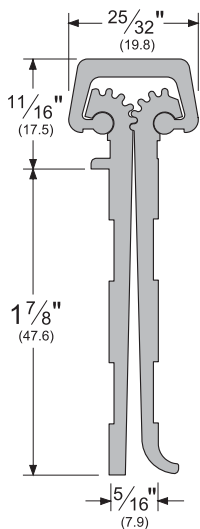
Weight Bearing

Hinge Type	Hinge Size	# of Bearings	Door Wt.
Standard Duty	83" and 85"	14	280 lbs.
Standard Duty	95"	16	320 lbs.
Standard Duty	120"	20	400 lbs.
Heavy Duty	83" and 85"	27	540 lbs.
Heavy Duty	95"	31	620 lbs.
Heavy Duty	120"	39	780 lbs.

Note: All Pemko continuous Geared Hinges are also available in 85", 95" and 120" lengths on factory order. The factory can cut special lengths but require handing information since they will only cut from the bottom of the hinge. Otherwise, the hinges are not handed. Stocked in Clear Anodized Aluminum, they are also available in Dark Anodized Aluminum and Gold Anodized Aluminum.

Full-Mortise Hinges

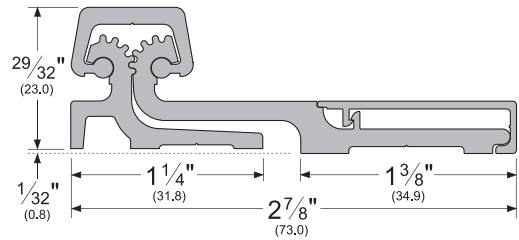
Full-mortise hinges are designed mainly for new door applications, and are applied so as to conceal both leaves.



Part No.
PEM CFM83 HD3 -----Alum
PEM DFM83 HD3-----Dura

Full Surface Hinge

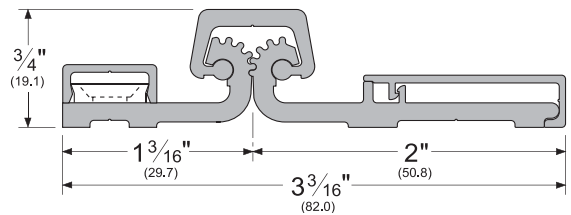
The full-surface hinge is designed mainly for retrofit applications, and is applied to the exposed surface of the door and frame.



Part No. **Color**
PEM CFS83 HD3 -----Alum
PEM DFS83 HD3 -----Dura

Center Pivot Full Surface Hinge

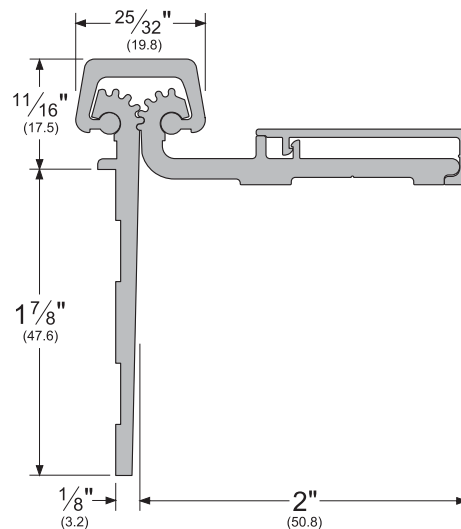
Center pivot units easily replace butt hinges since no door or frame adjustments are necessary. Also, center pivot hinges are more versatile with restricted frame faces.



Part No.
PEM CFS83CP HD3

Half-Surface Hinge

The half-surface hinge is designed mainly for retrofit applications. The door leaf is applied to the exposed surface of the door, and the frame leaf is applied to the concealed surface of the frame rabbet.



Part No.
PEM CHS83 HD3