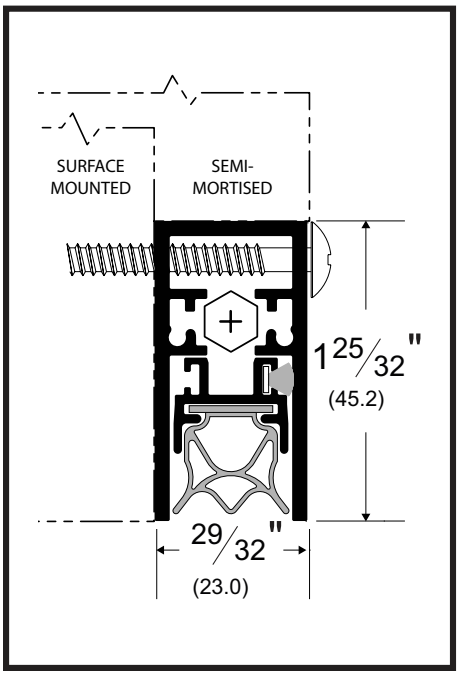
PEMKO
ASSA ABLOY

4301_PKL

(ADB) Automatic Door Bottom



DOOR BOTTOM

Automatic, Non-Handed, Reversible

About Door Bottom Seals:

Pemko Door Bottom Seals consist of a variety of solutions for sealing a door to the threshold or floor surface.

About Automatic Door Bottoms:



Seals Bottom of Door

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 or threshold. Automatic Door bottoms are frequently used when an automatic door bottom is required to close over carpet.

- Low closing force.
- Provide excellent seals to keep out draft, dust, moisture, insects, fumes, light and sound.
- End plates provided for all mounting applications.
- Slotted holes for adjustment.

Product / Available Finishes:

4301CPKL	Clear Anodized Aluminum with Black PK insert
4301DPKL	Dark Bronze Anodized Aluminum with Black PK insert
4301GPKL	Gold Anodized Aluminum with Black PK insert

Testing/Ratings:

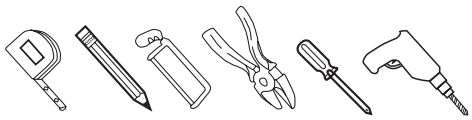
BHMA CERTIFIED

FIRE RATED 10C

CLASSIFIED C UL US 4L10

Gasketing material for fire doors intended for application to listed steel frames and/or classified steel covered composite type, and hollow metal type fire doors rated up to 3 hours; wood and plastic covered composite type fire doors rated up to 1-1/2 hours; and wood core type fire doors rated up to 20 minutes.

Tools Required:



Parts Included in End Cap Kit:

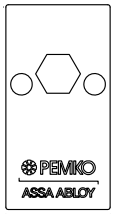


Flat Head Screws for Wood Jams

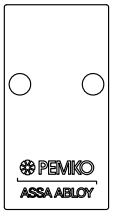
End Cap Screws



Mounting Screws



Plunger End Plate



End Plate

www.pemko.com

Installation Instructions:

NOTE: If a door is fire labeled or of acoustical construction, semi-mortise preparation must be done by the door manufacturer or licensed machinist only.

NOTE: If the ADB is to be installed in a semi-mortise application, prepare door according to the dimensions shown in the profile drawing on front of label.

1. Determine if the application used is
   a) Surface mounted or
   b) Semi-mortised
2. Measure the distance:
   a) Surface mounted: measure between frame stops
   b) Semi-mortised: measure net door width
3. Cut the ADB (without cutting gasketing insert):
   a) Surface mounted: cut ADB 1/8" less than the distance between the stops
   b) Semi-mortised: cut ADB to door width

   NOTE: When cutting, make sure that the drop bar is flush with the case on the plunger side. Do not trim the gasket yet.

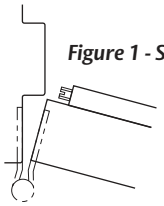
   WARNING: ADB less than 24" CAN ONLY be cut down by 1/2".

   WARNING: ADB 24" and over should NOT be cut down more than 2".

   WARNING: ADB should ONLY be cut from <u>non-plunger</u> side.
4. Adjust and trim the gasketing insert so that it fits fully in the case, between the end plates without dragging.
5. Place the ADB in the proper location on the door.

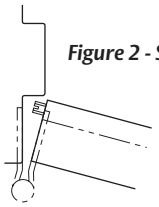
   a) Surface mounted: the plunger contacts the stop (see Figure 1).

   Figure 1 - Surface Mounted



   b) Semi-mortised: the plunger contacts the rabbet (see Figure 2).

   Figure 2 - Semi-Mortise Mounted



6. Fasten with mounting screws provided.
   a) The actuation plunger should be located on the hinge side of the door.
   b) The bottom of the ADB case should be installed flush with the door bottom.
7. For wood jambs, a #10 x 1/2" flat head screw is furnished for installation at the point where the plunger contacts the jamb to prevent indenting.
8. Screw the actuating plunger in or out as required until the gasketing insert just touches the sealing surface when the door is closed.

   NOTE: Adjustment range is 1/8" min - 3/4" max

   NOTE: Start with the plunger screwed in completely to avoid over adjustment or damage.

   WARNING: Do not over adjust the plunger. It is only necessary to lightly compress the insert gaskets against the sealing surface to provide proper sealing. Over adjustment can cause internal component failure voiding the warranty!

   WARNING: Do NOT use power tools to adjust the ADB!

www.pemko.com

End Plate Installation Instructions:

PLEASE READ THESE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING TO INSTALL END PLATES.

The automatic door bottom must be correctly installed and adjusted in accordance with the installation instructions furnished with this product (see other side).

1. Ensure the drop bar, which contains the gaskets, does not project beyond the case when the plunger is depressed.

   WARNING: Under NO condition should the drop bar project beyond the edge of the case.

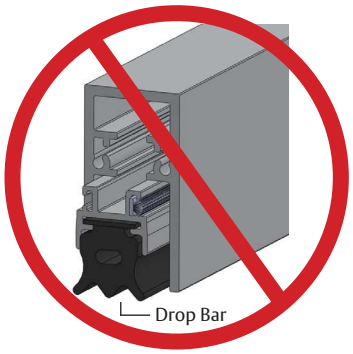


Figure 3 - Improper Drop Bar
This shows an improper drop bar protruding from the end of the case. The drop bar should be flush at both ends.

2. If necessary, re-trim the drop bar such that it is flush with the case on the non-plunger side when the plunger is depressed. Refer to instruction # 3 (front side) for Note and Warnings.
3. Install the end plate opposite the plunger, with the "This Side In" sticker towards the ADB, using the end plate screws as shown in Figure 4 (PEMKO logo should be visible).

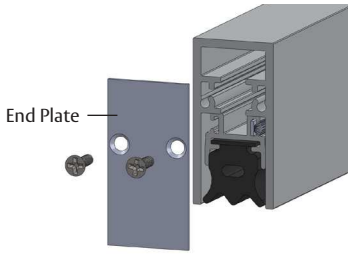


Figure 4 - Properly Installed End Plate
This shows a properly installed end plate.

   WARNING: Do NOT use power tools to tighten screws!

4. On the plunger side, with the "This Side In" sticker towards the ADB, align the end plate's hexagonal hole with the plunger and install using the end plate screws as shown in Figure 5 (PEMKO logo should be visible).

   NOTE: Plunger end plate prevents the plunger from rotating and changing adjustment. This plate may be removed for readjustment later if needed.

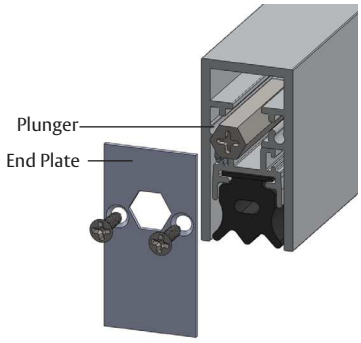


Figure 5
Plunger end plate prevents the plunger adjustment from rotating.

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ASSA ABLOY, the global leader in door opening solutions

UNITED STATES:

MEMPHIS, TN
Ph: 800.824.3018
Fax: 800.243.3656

VENTURA, CA
Ph: 800.283.9988
Fax: 800.283.4050

CANADA:

VANCOUVER, BC
Ph: 877.535.7888
Fax: 877.535.7444

TORONTO, ON
Ph: 877.535.7888
Fax: 877.535.7444

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