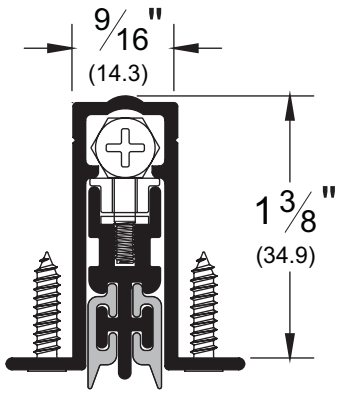
PEMKO
ASSA ABLOY

PDB411AE

(ADB) Automatic
Door Bottom



U.S. Patent No. 8,925,250 B2

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.

- 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:

PDB411AE Mill Finish Aluminum with Black EPDM insert

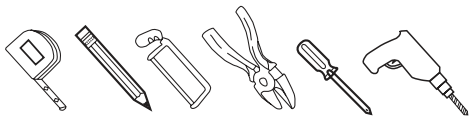
Testing/Ratings:

BHMA CERTIFIED

10C

CLASSIFIED C UL US 4L10

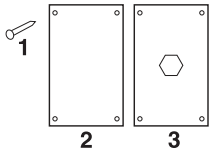
Tools Required:



Parts Included in End Cap Kit:

PARTS INCLUDED IN END PLATE KIT:

NUMBER	DESCRIPTION	QUANTITY
1	Fasteners	8
2	End Cap	1
3	Plunger End Cap	1



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Installation Instructions:

1. Cut mortise in bottom of door. (Maximum dimension from bottom of door to sealing surface is 1/2").
   NOTE: If a door is fire labeled or of special construction, mortise preparation must be done by the door manufacturer.
2. Cut the ADB to door width (without cutting insert).
   NOTE: 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 26" and over should NOT be cut down more than 2".
   WARNING: ADB should ONLY be cut from non-plunger side.
3. Adjust and trim the gasketing insert so that it fits fully in the case, between the end plates without dragging.
4. With door removed from opening, install the door bottom with plunger at the hinge side.
   NOTE: The underside edge of ADB should be flush with bottom of door.
5. Fasten with screws provided.
6. Install door in opening.
7. On wooden jambs, install the No. 10 x 1/2" flat head screw 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 just touches the sealing surface when the door is closed.
   NOTE: To achieve the best acoustical results:
   Min. Drop: 1/8" - Max. Drop: 1/2"
   Effective Range: Min.-Max. 1/8" - 3/4",
   NOT TO EXCEED 7/8" of Drop
   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!

End Plate Installation Instructions:

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

1. The automatic door bottom must be correctly installed and adjusted in accordance with the installation instructions furnished with this product (see above).
2. Make sure that the drop bar (part that contains the seal) does not project beyond the end of the case when the actuation plunger is depressed. If it does project beyond the case, it was improperly trimmed in the field. This condition can be corrected by removing the unit and trimming the excess.
3. Install the flat end plate on the lock edge of the door with the fasteners provided, and in the location shown (Figure 1).
4. Install the end plate with the hexagonal hole on the plunger side with screws provided.

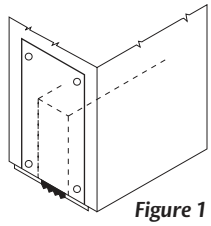


Figure 1

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