INSTRUCTION SHEET

PEMKO
AUTOMATIC DOOR BOTTOM (ADB)

PEMKO
ASSA ABLOY

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Applies to the following products:

411_RL – Automatic, Non-Handed, Reversible

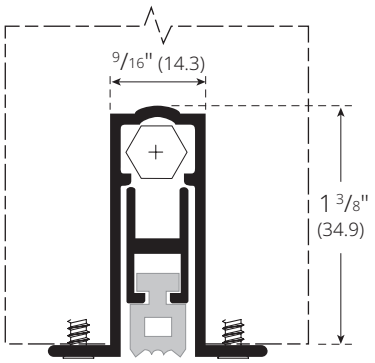
About Door Bottom Seals:

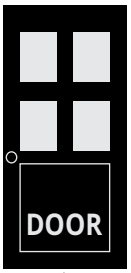
Pemko Door Bottom Seals consist of a variety of solutions for sealing a door to the threshold or floor surface.

About Automatic Door Bottoms:

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.





Seals Bottom of Door

Product / Available Finishes:

411ARL - Mill Finish Aluminum with Black Sponge Neoprene insert

Testing/Ratings:

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. (Thresholds may or may not contain gasketing material).

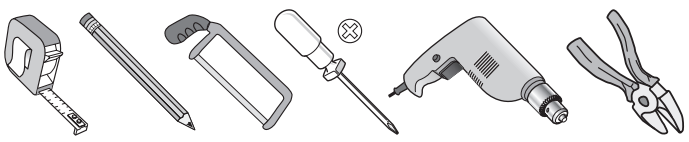
Parts Included in End Cap Kit:

NUMBER	DESCRIPTION	QTY
1	Mounting Fasteners	17
2	End Plate	1
3	Plunger End Plate	1
4	Wood Jamb Screw	1

NOTE: End plate width is 1 5/8"



Tools Required:



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Installation instructions:

1. Cut mortise in bottom of door. For wood doors, mortise should be cut all the way through bottom rail. For hollow metal doors, bottom channel may be fabricated between edge banding, or may be entirely through bottom rail.

   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 1/16" less than door width (without cutting gasketing insert).

   NOTE: Measure door width from center of bottom rail to compensate for possible bevel edges.

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

   NOTE: If using on hollow metal doors with prep between edge banding, measure the inside width of the inverted bottom channel and cut ADB 1/16" less than this measurement.

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

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

   NOTE: Plunger extension to drop dimension is 1:1 (i.e., a 1/4" extension on the plunger will equal a 1/4" drop of the drop bar).

   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 so that it is flush with the bottom edge of the door. Use the fasteners provided, and in the location shown (Figure 1). Fasteners will screw directly into door.

   NOTE: The end plates should NEVER extend below the bottom of door as this will create a sharp edge.

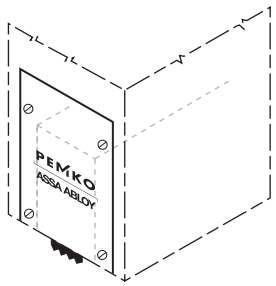


Figure 1

4. Install the end plate with the hexagonal hole on the plunger side with screws provided. The plunger should extend through the hexagonal hole so that it is allowed to strike the jamb for proper function.

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