



Installation Instructions for Dock Seals With Adjustable Head Pad

To ensure proper measurements to accommodate the dock seal you are installing, check the following:

- A. Check the door height and width to verify the side & head pads are properly sized.
- B. It is recommended that the head and / or side pads be compressed not more than a 6"; nor more than 45% of the total projection. A minimum of 4" compression is advised to compensate for vehicles unevenly spotted against the building.
- C. If the approach is not level, check to be sure the side pads taper to accommodate the angle of the truck. Also on a tapered drive, follow Step B for both the top and bottom of the seal, allowing for the recommended compression.
- D. In 95% of installations, the inside edge of the face of the side pads shall have a 7'-6" I.D. If achieving the 7'-6" dimension requires extending the wood backing of the side pads into the door opening width, Aaron-Bradley recommends the following procedure:
 1. Weld or anchor a structural angle the full length of the side jambs, not allowing any portion of the wood backing to be exposed into the door opening. It is appropriate to lag through the leg of the angle into the back of the wood approximately 1" from the edge of the board. (NOTE: Right and Left, is determined from the outside looking at the building).
 2. Familiarize yourself with the adjustable head pad hardware and mechanisms.
 3. Determine the centerline of the door width.
 4. Using 1/2 of the dimension of the head pad length, as referred to above, measure from the door width's centerline to establish vertical I.D. position of the side pads.
 5. The SIDE PADS must be installed level, plumb, and exactly parallel with each other. If the side pads are flush with the doorjamb, all standard FLAT and ANGLE MOUNTING BRACKETS can be utilized. It will require (2) or (3) ANGLE and FLAT BRACKETS per pad depending on length and projection. (Over 8'-0" long requires (3) ea. over 18" projection requires (3) ea.).
 - i. The FLAT BRACKETS are secured by means of welding or anchoring the slotted portion into the doorjamb allowing precisely 1-7/16" projecting away. (Position brackets at the bottom of the track and 1'-6" from bottom of side jamb centering the optional one).
 - ii. Pre-drill and anchor ANGLE BRACKETS to the outside edge of the side pad wood backing. The brackets should be mounted keeping the

slotted leg, which attaches to the building face, flush with the wood back. (Space brackets 1'-6" from top and bottom of side pad centering the optional one).

6. Position and anchor the side pads by holding them against the pre-mounted FLAT BRACKETS mounted in the jamb. (Be sure to pre-drill the wood back). Anchor the ANGLE BRACKETS to the building face. Right and left is determined by the air pocket pointing outward.

NOTE: If the side pads are not flush with the doorjamb, install ANGLE BRACKETS by following step #4B and complete the jamb installation by following the 1st paragraph section D.

7. Remove upper TRACK STOP BOLTS. The head pad will be installed from the top with the air pockets pointing down and the FOLLOWER CURTAIN leading off from the top attached edge. Once the head pad is in the tracks check for smooth vertical movement, then reinstall the TRACK STOP BOLTS.
8. Check that the PULL STRAP has been pre-attached to the underside of the head frame near the left end.
9. Position the ROLLER CURTAIN SHAFT across the top of the head pad sliding each end into a flanged bearing. Anchor the BEARINGS to the appropriate bearing bracket of the TRACK ASSEMBLIES. Mount the BEARINGS to the O.D. of the brackets, with the provided serrated bolts, keeping the nuts pointing outward. One end of the ROLLER CURTAIN SHAFT extends further to the O.D. of the unit. This end will extend to the left side to accept the cable drum. Install the CABLE DRUM with the (2) provided machine screws with the hub pointing inward. (Shaft to extend through and be flush at end.)
10. Attach the CABLE and the COUNTER-WEIGHT clevis with provided hardware.
11. Attach the CABLE and the COUNTER-WEIGHT to the CABLE DRUM so the cable will feed from the front – away from the building. This will reduce the chance of the weight making contact with the building face.
12. Secure the FOLLOWER CURTAIN square and straight, by the means of attached Velcro, to the ROLLER CURTAIN SHAFT so it will feed from the rear (the point closest to the building face).
13. Manually roll the FOLLOWER CURTAIN onto the ROLLER CURTAIN SHAFT raising the head pad 1" off the track bottom end caps. Clamp the shaft to prevent turning. Note: Be sure the curtain is straight, taut and wrinkle free. (To adjust, follow step #11.)
14. With the head pad in position, as described in step #12, manually wrap the cable onto the CABLE DRUM grooves feeding the wrap from the O.D. inward. Continue wrapping the cable until the clevis of the COUNTER-WEIGHT makes contact with the CABLE DRUM.

IMPORTANT NOTE: When the head pad's bottom guide pins are elevated 1" above the track bottom end caps, the counter-weight clevis MUST be in contact with the cable drum. This eliminates the roller curtain shaft from feeding an excess of curtain, which would cause it to become unattached and / or loose.

15. Cover the ROLLER CURTAIN SHAFT and the CABLE DRUM with the ALUMINUM HOOD, concealing and protecting them from the elements.
16. Caulk and fill all voids. Clean pads and hardware as required. Clear the dock area of all debris resulting from installation.

Suggested Mounting Methods:

- **Masonry Building Walls:** Try to hit mortar joints. Use 1/2" or 3/8" by 3" expansion anchors. Use through-bolt fastening if anchors will not hold – 3/8" threaded rod is recommended.
- **Metal Building Walls:** Through-bolt fastening is required.
 - To provide adequate safety and stability of the seal, drill through the perlings and anchor the back boards of vertical side pad members with appropriate anchors.
 - If perlings are not available, use as a minimum, a back-up plate (steel or wood) to support bolts or anchor through existing building header and vertical (side pad) members.

Note: Dock seals must have adequate bumper protection to function properly. Call for assistance in determining which bumper is right for the specific application.