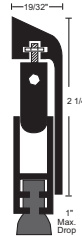


National Guard Products Inc.

1-800-
647-7874



220, 221, 229, 310 Surface Mounted Automatic Door Bottom



WARNING: Do not pull drop bar out of case unless disengaged from spring or damage will occur and void warranty.

IMPORTANT NOTE: Re-hand door bottom if necessary, prior to cutting length (see below).

Installation Instructions

1. If nylon brush gasket: Slide brush clear when cutting case and drop bar.
2. For single doors cut door bottom 1/8" shorter than distance between stops on frame. For pairs cut 1/16" shorter than distance between stop on frame and meeting edge of door. Do not cut until drop bar is EXTENDED in down position. Insert the (2) nails provided into small holes on the side of the drop bar to keep bar extended while cutting. MAXIMUM CUT door bottoms 36" and longer = 4", shorter than 36" should not be filed cut - order net length.
3. If nylon brush gasket: cut brush using the cutting section of pliers or diagonal cutters. If bristles are not secure, use a drop of adhesive to secure the brush.
4. Do not trim excess gasket from adjusting rod end, as bar is designed to shift slightly toward lock edge of door when activated.
5. With door closed, position on push side of door with adjusting rod toward hinge edge. Align bottom of case flush with bottom of door and 1/16" clearance at each end, mark screw holes.
6. Drill pilot holes for screws using 9/64" drill bits. For model 221 top flange screws, drill pilot holes using 5/64" drill bit.
7. Install with screws provided. Tighten center mounting screw snug first, then tighten remaining mounting screws. Do not over tighten.
8. Set adjusting rod for proper seal. To reduce drop, turn adjusting rod right; to increase drop, turn adjusting rod left. Once hinge end of drop bar makes solid contact, other end will drop.
9. On wooden frames, install strike plate on door jamb where adjusting rod makes contact.

REHANDING:

1. Remove adjusting rod by turning left.
2. Remove coil spring and nut from adjusting rod. Slide adjusting rod out of rod guide.
3. Remove drop bar by unhooking from spring.
4. Unscrew rod guide (except model 310) and install on opposite end, With guide approximately 3/4" from end.
5. Measure distance from end of door bottom to center of screw that holds spring. This exact dimension will be required on opposite end in next step.
6. Unscrew spring from case. Re-attach at opposite end at precisely same dimension measured.
7. Re-attach drop bar.
8. Slide adjusting rod thru rod guide on opposite end. Re-attach nut and coil spring to rod in original position.
9. On wooden frames, install strike plate on door jamb where adjusting rod makes contact.



UL10C Positive Pressure
Tested Gasketing Material for
Fire Doors.

UL10B Gasketing Material for Fire Doors.



Intended for
Application to
Classified Steel
type fire doors
rated up to 3 hours and Wood type fire
doors up to 1 1/2 hours.

Smoke and Draft Control door bottom
(Category H) tested to UL 1784; meets
requirements of NFPA 105, IBC.
Intended for application to classified
"S" label doors. 1/12