

# National Guard Products Inc.

1-800-  
647-7874



## 420N/520N Automatic Door Bottom

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

### Installation Instructions

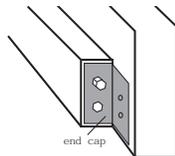
1. For single doors cut  $1/8$ " shorter than distance between stops on frame. For pairs cut  $1/16$ " shorter than distance between stop on frame and meeting edge of door. - DO NOT CUT UNTIL DROP BAR IS EXTENDED IN DOWN POSITION. Insert (2) nails provided into the small holes on the side of the drop bar to keep drop bar extended while cutting. Do not cut from end with adjusting rod. MAXIMUM CUT door bottoms 36" and longer = 4", shorter than 36" should not be field cut, order net length.
2. 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.
3. Drill pilot holes for screws using  $11/64$ " drill bit.
4. Install with screws provided. DO NOT OVERTIGHTEN.
5. 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. MAXIMUM drop =  $7/8$ ".
6. On wooden frames, install strike plate on door jamb where adjusting rod makes contact.
7. End cap with hexagon holes should be mounted to door at hinge side end to hold adjustment once set. Install as illustrated below with screws provided. Blank end cap may be installed at other end on single doors only, if desired.



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