

# 4500 Series Concealed Vertical Rod

## Grade 1 Concealed Vertical Rod



### Application:

- Heavy duty commercial
- NOT recommended for single-rabbit double egress frames, with jamb depths over 5-3/4" or greater. For additional information, contact Hager Companies.

### Certifications:

- BHMA Certified ANSI A156.3 Grade 1
- UL305 Listed for Panic Hardware
- UL/cUL Listed for up to 3 hours for "A" labeled doors up to 10' in height
- UL10C Positive Pressure Rated
- UL10B Neutral Pressure Rated
- Complies with ANSI A117.1 for accessible buildings and facilities



## PRODUCT SPECIFICATIONS

### TRIM:

- Archer, August, William or Withnell lever with escutcheon trim
- Rim cylinder x optional pull

### COVERS:

- Stainless steel, zinc

### COVER TUBE:

- Aluminum

### END CAPS:

- Zinc

### DOOR WIDTH:

- 36" (914 mm) field sizeable to 30" (762 mm) door
- 48" (1219 mm) field sizeable to 36" (914 mm) door
- 36" (914 mm) minimum with electric latch retraction, electric dogging, or alarm kit

### DOOR HEIGHT:

- 7' (2134 mm) - Standard
- 8' (2438 mm) - Optional
- 10' (3048 mm) - Optional

### DOOR THICKNESS:

- 1-3/4" (44 mm) - Standard up to 3", except with night latch which is 2-1/2"

### PROJECTION:

- 3" (76 mm) in undogged position
- 2-5/8" (67 mm) in dogged position

### STILE WIDTH:

- 4" (102 mm) minimum stile width required
- All stile widths are measured from door edge

### FASTENERS:

- Wood and machine screws
- Thru-bolts

### ROD LENGTH:

- Rods for 7' (2134 mm) door - Standard
- Rods for 8' (2438 mm) and 10' (3048 mm) doors - Optional
- Door height of 7' (2134 mm) requires 34-5/8" (879 mm) top rod length
- Door height of 8' (2438 mm) requires 46-5/8" (1184 mm) top rod length
- Extension rod kits available 2' (610 mm) or 3' (914 mm)

### LATCHBOLT:

- Top - 1/2" (13 mm) throw, pullman type with automatic dead-latching, stainless steel
- Bottom - 1/2" (13 mm) throw, pullman type, held retracted during door swing, stainless steel

### STRIKES:

- Stainless steel with plated rollers included standard with panic devices
- Solid stainless steel included standard with fire-rated devices
- Top strike mortised into frame

### FINISHES:

- US3, US4, US10, US10B, US26, US26D, US32D
- Trim not available in US32D

### DOGGING:

- Hex key dogging standard on panic-rated devices
- Cylinder dogging is available on panic-rated devices - specify CD (3902 mortise cylinder with standard cam sold separately)

### NOTES:

- Center line prep is 40" (1016 mm) - If door prep elevation is lower, a longer top rod will need to be ordered
- Recommended to be used on appropriately reinforced doors