

## 4500 Series CVR Less Bottom Rod

Grade 1 Concealed Vertical Rod Less Bottom Rod



### Application:

- Heavy duty commercial

### Certifications:

- BHMA Certified ANSI A156.3 Grade 1
- UL305 Listed for Panic Hardware
- UL/cUL Listed for up to 3 hours for "A" label doors
- 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
- Pull plate trim (excluding 45PT)
- 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) panic-rated door and 28" (711 mm) fire-rated door
- 48" (1219 mm) field sizeable to 36" (914 mm) panic- or fire-rated door
- Reference [electrified exit device](#) for door width specifications

### DOOR HEIGHT:

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

### DOOR THICKNESS:

- 1-3/4" (44 mm) - standard

### 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

### 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
- Double door strike for use with CVR and RIM device available

### 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 only, specify CD (3902 mortise cylinder with standard cam is 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
- A spring loaded fire bolt 2-649-0166 must be used on fire-rated LBR devices used on a pair of doors to ensure the device's fire rating.