

4500 Series Surface Vertical Rod

Grade 1 Surface Vertical 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 up to 10' in height
- UL10C Positive Pressure Rated
- UL10B Neutral Pressure Rated
- Complies with ANSI 117.1 for accessible buildings and facilities
- Miami Dade NOA #11-1219.14 compliant. Must specify. Also complies with ANSI A 250.13 Severe Windstorm Resistant.



PRODUCT SPECIFICATIONS

TRIM:

- Archer, August, Charles, Johnston, Joshua, Louis, Warren, William or Withnell lever with escutcheon
- Pull plate trim (excluding 45PT)
- Rim x optional pull

COVERS:

- Stainless steel, zinc

COVER TUBE:

- Aluminum

END CAPS:

- Standard end cap (zinc)
- **OPTIONAL** Flush end cap (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

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:

- 5-3/8" (137 mm) minimum stile width required for single door and 5/8" (16 mm) stop
- 4-7/8" (124 mm) minimum stile width required for double doors
- 4-7/8" (124 mm) minimum stile width required for double door x Rim device with double door strike
- 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) door - Optional
- Door height of 7' (2134 mm) requires 33-1/4" (845 mm) top rod length
- Door height of 8' (2438 mm) requires 45-1/4" (1149 mm) top rod length
- Extension rods 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

PUSH BAR:

- **OPTIONAL** Photoluminescent push bar cover available

STRIKES:

- Stainless steel with plated rollers - Included standard with panic devices
- Solid stainless steel - Included standard with fire rated devices
- Surface applied to frame with slotted holes for easy adjustment
- 10' (3048 mm) fire rated device requires strike and hook kit, 4912, for top strike
- Double door strike for use with surface vertical rod and rim device available

FINISHES:

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

DOGGING:

- Hex key dogging standard on panic-rated devices
- Cylinder dogging is available on panic-rated devices, specify "CD" (3902 1-1/8" (29 mm) mortise cylinder sold separately)

NOTES:

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