HAGER COMPANIES
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PRODUCT SPECIFICATIONS
For more information visit www.hagerco.com

4500 Series Concealed Vertical Rod
Grade 1 Concealed Vertical Rod

Application:

- Heavy duty commercial
- NOT recommended for single-rabbet double egress frames, with jamb depths over 5-¾" 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:
 - 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

PROJECTION:
 - 3" (76 mm) in undogged postion
 - 2-5/8" (67 mm) in dogged postion

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

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
 - 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