Every Hager exit device is designed and engineered to assure you and your customers years and years of superior performance in a variety of commercial applications. Hager exit devices use fewer moving parts, are constructed with high quality materials and are backed by industry leading warranties.

All Hager exit devices meet or exceed accepted U.S. domestic and international standards. All are UL listed for panic or fire-rated hardware and comply with ANSI A117.1 for accessible buildings and facilities. Many models are also certified for Hurricane Resistant applications.

Hager exit devices were designed with ease of installation in mind. All are non-handed and packaged for convenience and versatility with thru-bolts, slotted strikes, and both wood and machine screws in every box. Minimal door prep is needed with Hager exit device escutcheon trim with the locking mechanism built inside.

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Hager 4500 Series Exit Devices are ideal for use in heavy duty commercial applications including office buildings, medical facilities, schools, and hospitality structures. The Hager 4500 Series is designed and engineered to provide a lifetime of superior performance on doors in heavy duty commercial applications. Properly applied and maintained Hager 4500 Series Exit Devices and Trim are backed by a lifetime warranty, providing peace of mind from distributor to building owner. Go to www.hagerco.com for specific warranty conditions.

Hager 4500 Series Exit Devices are BHMA certified Grade 1 and meet Life Safety codes and Fire Safety requirements. The 4500 Series Rim and Surface Vertical Rod devices meet ANSI requirements to be listed as Severe Windstorm Components and are approved for High Velocity Hurricane Zone areas.

Extruded aluminum construction, stainless steel push bar cover, die cast caps and covers, and dead locking stainless steel Pullman type latchbolts provide premium security and performance at value pricing.
### 4500 SERIES DEVICES

<table>
<thead>
<tr>
<th>RIM</th>
<th>SVR</th>
<th>LBR</th>
<th>CVR</th>
<th>CLB</th>
<th>MOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
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<tr>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>

BHMA Certified ANSI/BHMA A156.3-2014 Grade 1

UL305 Listed for Panic Hardware

UL10C Positive Pressure Rated

UL10B Neutral Pressure Rated

Complies with ANSI A117.1 for Accessible Buildings and Facilities

ANSI A 250.13 Severe Windstorm Resistant Component

Miami Dade NOA #17-1219.14

### 4500 SERIES FIRE-RATED DEVICES

<table>
<thead>
<tr>
<th>RIM</th>
<th>SVR</th>
<th>LBR</th>
<th>CVR</th>
<th>CLB</th>
<th>MOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 HR 4'X8'</td>
<td>3 HR 4'X10'</td>
<td>---</td>
<td>3 HR 4'X10'</td>
<td>---</td>
<td>3 HR 4'X8'</td>
</tr>
<tr>
<td>3 HR 8'X8'</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>---</td>
<td>90 MIN 8'X10'</td>
<td>90 MIN 8'X8'</td>
<td>90 MIN 8'X10'</td>
<td>90 MIN 8'X8'</td>
<td>---</td>
</tr>
<tr>
<td>---</td>
<td>3 HR 8'X10'</td>
<td>3 HR 8'X8'</td>
<td>3 HR 8'X10'</td>
<td>3 HR 8'X8'</td>
<td>---</td>
</tr>
</tbody>
</table>

UL/cUL Listed for "A" Label Door Up to and Including...

Rim with Fire-rated Removable Mullion 4900UF UL/cUL Listed and Warnock Hersey Listed for "A" Label Door Up to and Including...

VR X VR SAME DIRECTION*

UL/cUL Listed for "A" Label Door Up to and Including...

VR X VR Double Egress

UL/cUL Listed for "A" Label Door Up to and Including...

Currently, no door manufacturer offers a listing over 90 minutes with doors swinging same direction. Consult wood door manufacturers for current UL listings.
Installation Made Easy
For the convenience of our customers, Hager Companies introduced several key features to the exit device market:

- Thru-bolts are included with every model. Wood and machine screws are also provided standard in every package.
- Slotted strikes speed up installation, allowing the installer to make easy adjustments to align the latch to the strike.
- Non-handed device offers added versatility and means less inventory.
- Escutcheon trim is surface mounted with the locking mechanism built inside, reducing door preparation and installation time by requiring fewer holes in the door.

Shim Kits
Shim kits are available for devices on doors with glass bead kits or other interfacing moldings. Each kit contains two 1/8" (3.2 mm) shims and the appropriate longer fasteners.

Doggling
Cylinder dogging or less dogging are available to replace the standard hex key dogging on panic exit devices. For cylinder dogging, specify CD on order or purchase 4926 for retrofit applications. Unit requires 1-1/8” mortise cylinder (part number 3902) with standard cam. For less dogging, specify LD on order.

Sizing
The exit device is cut for 36” (914 mm) and 48” (1219 mm) wide doors. For other door widths, cut exit device to appropriate length. Recommended overall length of exit device is equal to the door width minus four inches. The surface vertical rod devices are supplied for an 84” (2134 mm) opening standard, but can be ordered for a 96” (2438 mm) opening. Extension rods are available to accommodate openings taller than 96” (2438 mm) and up to 120” (3048 mm).

<table>
<thead>
<tr>
<th>Trim Functions</th>
<th>Part Number</th>
<th>Function Description</th>
<th>ANSI Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank Escutcheon</td>
<td>45BE, 45MB</td>
<td>Always operable (Passage)</td>
<td>14</td>
</tr>
<tr>
<td>Cylinder Escutcheon</td>
<td>45CE, 45MC</td>
<td>Key locks or unlocks lever</td>
<td>08</td>
</tr>
<tr>
<td>Dummy</td>
<td>45DT, 45MD, 45PD</td>
<td>Pull when device is dogged down</td>
<td>02</td>
</tr>
<tr>
<td>Night Latch</td>
<td>45NL, 45MN, 45PN</td>
<td>Key retracts latchbolt</td>
<td>03</td>
</tr>
<tr>
<td>Cylinder Thumbpiece</td>
<td>45PT</td>
<td>Key locks or unlocks thumbpiece</td>
<td>05</td>
</tr>
</tbody>
</table>
| Electrified Trim      | 45ET EL, 45ET EU | Fail safe Fail secure | E05 E06   

Applications

**Single Door (Rim Device)**

**Double Door with Mullion (Rim x Rim)**

**Double Door (SVR x SVR)**

**Double Door (SVR x Rim)**
4500 SERIES - DEVICE PROFILES

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

<table>
<thead>
<tr>
<th>4500 SERIES</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>4500 PANIC - 36&quot;</td>
<td>18 5/32&quot; (461mm)</td>
<td>33 5/32&quot; (842mm)</td>
</tr>
<tr>
<td>4500 FIRE - 36&quot;</td>
<td>24&quot; (611mm)</td>
<td>45-5/32&quot; (1147mm)</td>
</tr>
<tr>
<td>4500 PANIC - 48&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4500 FIRE - 48&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# 4500 SERIES EXIT DEVICE

## 4501 RIM

<table>
<thead>
<tr>
<th>Finish</th>
<th>US3</th>
<th>1-3/4” ALK</th>
</tr>
</thead>
<tbody>
<tr>
<td>US3</td>
<td>US3</td>
<td>US3</td>
</tr>
<tr>
<td>US4</td>
<td>US4</td>
<td>US4</td>
</tr>
<tr>
<td>US10</td>
<td>US10</td>
<td>US10</td>
</tr>
<tr>
<td>US10B</td>
<td>US10B</td>
<td>US10B</td>
</tr>
<tr>
<td>US26</td>
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<td>US26</td>
</tr>
<tr>
<td>US26D</td>
<td>US26D</td>
<td>US26D</td>
</tr>
<tr>
<td>US32D</td>
<td>US32D</td>
<td>US32D</td>
</tr>
</tbody>
</table>

### Electric Modifications
- **AI** - Authorized Ingress
- **ALK** - Alarm Kit
- **ALL** - Alarm Kit w/ Tamper Switch and Latch Monitor
- **ALM** - Alarm Kit w/ Latch Monitor
- **ALT** - Alarm Kit w/ Tamper Switch
- **DE** - Delayed Egress
- **OBDE** - Onboarded Delayed Egress
- **ED** - Electric Dogging
- **EDRX** - Electric Dogging w/ Request to Exit
- **LM** - Latchbolt Monitor
- **RX** - Request to Exit
- **RK** - Request to Exit
- **RK2** - Dual Request to Exit
- **RKAI** - Request to Exit w/ Authorized Ingress
- **RKL** - Request to Exit w/ Latchbolt Monitor
- **MLR** - Motor Driven Electric Latch Retraction
- **MLRX** - Motor Driven Electric Latch Retraction w/ Request to Exit
- **EL** - Fail Safe, 12 Volt
- **EU** - Fail Secure, 12 Volt
- **EL24** - Fail Safe, 24 Volt
- **EU24** - Fail Secure, 24 Volt

### Door Size
- 36”
- 48”
- 36” x 84”
- 36” x 96”
- 48” x 84”
- 48” x 96”

### Finish
- US3
- US4
- US10
- US10B
- US26
- US26D
- US32D
- BLK

### Door Thickness
- 1-1/2”
- 3”

### Notes:
1. Fire-rated LBR and CLB devices must be ordered in pairs of vertical rod devices or can be used in conjunction with an approved automatic or constant latching flush bolt. When ordering pairs, specify one device LBR and second device LBR with fire bolt, for example: 4501 LBR Fire 36” x 84” plus 4501 LBR Fire 36” x 84” EO with bolt OR 4501 LBR Fire 36” x 84” plus an approved automatic constant latching flush bolt.
2. 24” door size available with extended lead times.
3. Not available on Mortise Exit Devices.
4. Mortise trim does not match centerline of other 4500 Series trim. Cannot be used with 4500 Series Rim or Vertical Rod devices.
5. Only applicable to 4501 MRTN devices.
6. Extended lead time for flat black finish.

### Options
- **TW** - Tactile Warning
- **A** - Antimicrobial Coating

## 4500 SERIES TRIM

### 45 CE

<table>
<thead>
<tr>
<th>Product Group</th>
<th>45 - 4500 Series, Grade 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BE</strong> - Blank Escutcheon</td>
<td></td>
</tr>
<tr>
<td><strong>CE</strong> - Cylinder Escutcheon</td>
<td></td>
</tr>
<tr>
<td><strong>DT</strong> - Dummy Trim</td>
<td></td>
</tr>
<tr>
<td><strong>ET</strong> - Electric Escutcheon Trim</td>
<td></td>
</tr>
<tr>
<td><strong>NL</strong> - Night Latch (1-3/4” to 2-1/2” doors)</td>
<td></td>
</tr>
</tbody>
</table>

### Lever Style
- **ARC** - Archer
- **AUG** - August
- **WLM** - William
- **WTN** - Withnell
- **CHA** - Charles
- **JHN** - Johnston
- **JOH** - Joshua
- **LOU** - Louis
- **WRN** - Warren

### Door Size
- 36”
- 48”
- 36” x 84”
- 36” x 96”
- 48” x 84”
- 48” x 96”

### Finish
- US3
- US4
- US10
- US10B
- US26
- US26D
- US32D

### Door Thickness
- 1-5/8”
- 1-3/4”
- 2”
- 2-1/2”
- 3”

### Notes:
1. Mortise cylinder 3902 is required for use with cylinder escutcheon trim and pull plate with thumbpiece trim and is sold separately.
2. Rim cylinder with long tailpiece 3901 is required for use with night latch trim and is sold separately.
3. For more cylinder information, please refer to Cylinder, Core & Keying in the Locks section of the catalog.
4. If using shim kit, specify total door thickness including shims.
5. ET Trim works with both 12V or 24V and is field-selectable between Fail Safe (EL) or Fail Secure (EU).

---

1. 24” door size available with extended lead times.
2. Not available on Mortise Exit Devices.
3. Mortise trim does not match centerline of other 4500 Series trim. Cannot be used with 4500 Series Rim or Vertical Rod devices.
4. Only applicable to 4501 MRTN devices.
5. Extended lead time for flat black finish.

---

**Notes:**
1. Mortise cylinder 3902 is required for use with cylinder escutcheon trim and pull plate with thumbpiece trim and is sold separately.
2. Rim cylinder with long tailpiece 3901 is required for use with night latch trim and is sold separately.
3. For more cylinder information, please refer to Cylinder, Core & Keying in the Locks section of the catalog.
4. If using shim kit, specify total door thickness including shims.
5. ET Trim works with both 12V or 24V and is field-selectable between Fail Safe (EL) or Fail Secure (EU).
## FEATURES

**Certification:** BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements. See charts on page 4 for details and options.

**Covers:** Stainless steel, zinc

**Cover Tube:** Aluminum

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

**End Caps:**
- Zinc
- Flush end cap option available

**Fasteners:**
- Wood and machine screws
- Thru-bolts supplied standard

**Latchbolt:**
3/4" (19 mm) throw, pullman type with automatic dead-latching, stainless steel

**Strikes:**
- Stainless steel with stainless steel pin and roller - included standard with panic device
- Solid stainless steel - included standard with fire-rated device
- Surface applied to frame with slotted holes for easy adjustment
- Double door strike for use with surface vertical rod and rim device available

## SPECIFICATIONS

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

**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

**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 door x surface vertical rod with double door strike
- 5-3/4" (146 mm) - minimum stile width required for double doors with 2" (51 mm) mullion
- 5" (127mm) - minimum stile width required for double doors with a middle rail and a 2" mullion
- All stile widths are measured from door edge.

**Notes:**
Recommended for use on appropriately reinforced doors

## TRIM

- 4500 Series excutcheon trim for rim device is surface mounted with a variety of lever options (pp. 22-23)
- Pull plate trim
- Vandal resistant
- Rim cylinder x optional pull

## FINISHES

- Trim not available in US32D
- Anti-Microbial available with US26D, US32D
4500 SERIES - GRADE 1 RIM DEVICE - ELECTRIFIED

WARRANTY
- One-year on electrified components
- Lifetime on hardware components

FEATURES
- Same as 4500 Series Rim Device

SPECIFICATIONS

Door Width:
- 36” (914 mm) field sizeable to 30” (762 mm) panic-rated door and 28” (711 mm) fire-rated door for devices with any monitoring switches
- 48” (1219 mm) field sizeable to 36” (914 mm) panic- or fire-rated door for devices with any monitoring switches
- 36” (914mm) field sizeable to 34” (864mm) door minimum for devices with motorized electric latch retraction
- 36” (914mm) door minimum for devices with electric dogging, alarm kit, delayed egress or onboard delayed egress
- 48” (1219mm) field sizeable to 42” (1067mm) door minimum for devices with electric dogging or alarm kit
- 48” (1219mm) field sizeable to 40” (1016mm) door minimum for devices with motorized electric latch retraction
- 48” (1219mm) door minimum for devices with delayed egress or onboard delayed egress

FUNCTIONS
- ED - Electric Dogging
- RX - Request to Exit (field installation kit 2-649-5001)
- RX2 - Dual Request to Exit
- EDRX - Electric Dogging with Request to Exit
- ALK - Alarm Kit (kit 4940, tamper switch 2-649-1090)
- AI - Authorized Ingress
- RXAI - Request to Exit with Authorized Ingress
- LM - Latchbolt Monitor (2-649-0168)
- RXLM - Request to Exit with Latchbolt Monitor
- MLR - Motor Driven Electric Latch Retraction (field installation kit 2-649-5007)
- MLRX - Motor Driven Electric Latch Retraction with Request to Exit
- DE - Delayed Egress (must order wall mount controller 2-679-0630 separately)
- OBDE - Onboard Delayed Egress (Requires 1-1/8” - 1 3/8” length, 3978 Cloverleaf or equivalent tailpiece required)

Electrical Specifications and Wire Requirements - See 4500 Series Electric Modifications page 20.
4500 SERIES - GRADE 1 SURFACE VERTICAL ROD DEVICE

WARRANTY
Lifetime warranty

FEATURES
Certification: BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements. See charts on page 4 for details and options.

Covers: Stainless steel, zinc

Cover Tube: Aluminum

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

End Caps:
- Zinc
- Flush end cap option available

Fasteners:
- Wood and machine screws
- Thru-bolts supplied standard

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 stainless steel pin and roller - included standard with panic device
- Solid stainless steel - included standard with fire-rated device
- 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

SPECIFICATIONS

Door Thickness: 1-3/4” (44 mm) - Standard up to 3”, except with night latch (NL) function which is 2-1/2”

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

Projection:
- 3” (76 mm) in undogged position
- 2-5/8” (67 mm) in dogged position

Vertical Rods:
- Rods for 7” (2134 mm) doors - 33-1/4” (845 mm) top rod length
- Rods for 8’ (2438 mm) doors - 45-1/4” (1149 mm) top rod length
- Extension rods kits available, 2’ (610 mm) or 3’ (914 mm) for doors over 7’

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

Notes:
- Center line prep is 40”. If door prep elevation is lower, a longer top rod will need to be ordered.
- Recommended for use on appropriately reinforced doors

TRIM
- 4500 Series escutcheon trim for vertical rod device is surface mounted with variety of lever options (pp. 22-23)
- Pull plate trim (excluding 45PT)
- Vandal resistant
- Rim cylinder x optional pull

FINISHES
- Trim is not available in US32D
- Anti-microbial available with US26D, US32D
4500 SERIES - GRADE 1 SURFACE VERTICAL ROD DEVICE - LESS BOTTOM ROD (LBR)

WARRANTY
Lifetime warranty

FEATURES
Certification: BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements. See charts on page 4 for details and options.

Covers:
Stainless steel, zinc

Cover Tube:
Aluminum

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

End Caps:
- Zinc
- Flush end cap option available

Fasteners:
- Wood and machine screws
- Thru-bolts supplied standard

Latchbolt:
Top - 1/2” (13 mm) throw, pullman type with automatic dead-latching, stainless steel

Strikes:
- Stainless steel with stainless steel pin and roller - included standard with panic device
- Solid stainless steel - included standard with fire-rated device
- Surface applied to frame with slotted holes for easy adjustment
- Double door strike for use with surface vertical rod and rim device available

SPECIFICATIONS
Door Thickness:
- 1-3/4” (44 mm) - Standard up to 3”, except with night latch (NL) function escutcheon trim which is 2-1/2”

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

Projection:
- 3” (76 mm) in undogged position
- 2-5/8” (67 mm) in dogged position

Vertical Rods:
- Rods for 7’ (2134 mm) doors - 33-1/4” (845 mm) top rod length
- Rods for 8’ (2438 mm) doors - 45-1/4” (1149 mm) top rod length
- Extension rod kits available, 2’ (610 mm) or 3’ (914 mm) for doors over 7’

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 doors x rim device with double door strike
- All stile widths are measured from door edge

Notes:
- Hole plug for head cover included standard
- Recommended for use 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

TRIM
- 4500 Series escutcheon trim for vertical rod device is surface mounted with a variety of lever options (pp. 22-23)
- Pull plate trim (excluding 45PT)
- Vandal resistant
- Rim cylinder x optional pull

FINISHES
- Trim is not available in US32D
- Anti-Microbial available with US26D, US32D
**WARRANTY**
- One-year on electrified components
- Lifetime on hardware components

**FEATURES**
Same as 4500 Series SVR Device

**SPECIFICATIONS**

**Door Width:**
- 36” (914 mm) field sizeable to 30” (762 mm) panic-rated door and 28” (711 mm) fire-rated door for devices with any monitoring switches
- 48” (1219 mm) field sizeable to 36” (914 mm) panic- or fire-rated door for devices with any monitoring switches
- 36” (914 mm) field sizeable to 34” (864 mm) door minimum for devices with motorized electric latch retraction or delayed egress
- 36” (914 mm) door minimum for devices with electric dogging, alarm kit, delayed egress, or onboard delayed egress
- 48” (1219 mm) field sizeable to 42” (1067 mm) door minimum for devices with electric dogging or alarm kit
- 48” (1219 mm) field sizeable to 40” (1016 mm) door minimum for devices with motorized electric latch retraction
- 48” (1219 mm) door minimum for devices with delayed egress or onboard delayed egress

**FUNCTIONS**
- **ED** - Electric Dogging
- **RX** - Request to Exit (field installation kit 2-649-5001)
- **RX2** - Dual Request to Exit
- **EDRX** - Electric Dogging with Request to Exit
- **ALK** - Alarm Kit (kit 4940, tamper switch 2-649-1090)
- **AI** - Authorized Ingress
- **RXAI** - Request to Exit with Authorized Ingress
- **LM** - Latchbolt Monitor (2-649-0168)
- **RXLM** - Request to Exit with Latchbolt Monitor
- **MLR** - Motor Driven Electric Latch Retraction (field installation kit 2-649-5007)
- **MLRX** - Motor Driven Electric Latch Retraction with Request to Exit
- **DE** - Delayed Egress (must order wall mount controller 2-679-0630 separately)
- **OBDE** - Onboard Delayed Egress (Requires 1-1/8” - 1 3/8” length, 3978 Cloverleaf or equivalent tailpiece required)

*Electrical Specifications and Wire Requirements - See 4500 Series Electric Modifications page 20.*
**WARRANTY**

Lifetime warranty

**FEATURES**

Certification: BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements. See charts on page 4 for details and options.

Covers: Stainless steel, zinc

Cover Tube: Aluminum

Dogging:
- Hex key dogging standard on panic-rated devices
- Less dogging available on panic-rated devices, specify LD
- Cylinder dogging is available on panic-rated devices, specify CD (3902 1-1/8” (29 mm) mortise cylinder with standard cam sold separately)

End Caps:
- Zinc
- Flush end cap option available

Fasteners:
- Wood and machine screws
- Thru-bolts supplied standard

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 stainless steel pin and rollers - included standard with panic device
- Solid stainless steel - included standard with fire-rated device
- Top strike mortised into frame
- Double door strike for use with CVR and RIM device available

**SPECIFICATIONS**

Door Thickness: 1-3/4” (44 mm) - Standard

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

Projection:
- 3” (76 mm) in undogged position
- 2-5/8” (67 mm) in dogged position

Vertical Rods:
- Rods for 7’ (2134 mm) doors - 34-5/8” (879 mm) top rod length
- Rods for 8’ (2438 mm) and 10’ (3048 mm) doors - 46-5/8” (1184 mm) top rod length
- Extension rod kits available, 2’ (610 mm) or 3’ (914 mm) for doors over 7’

Stile Width:
- 4” (102 mm) minimum stile width required
- All stile widths are measured from door edge

Notes:
- NOT recommended for doors with inset greater than 1/8”, for example: double egress frames, or jamb depths over 5-3/4” or greater - for additional information, contact Hager Companies
- Center line prep is 40” (1016 mm) - if door prep elevation is lower, a longer top rod will need to be ordered
- Recommended for use on appropriately reinforced doors

**TRIM**

- 4500 Series escutcheon trim for vertical rod device is surface mounted with a variety of lever options (pp. 22-23)
- Pull plate trim (excluding 45PT)
- Vandal resistant
- Rim cylinder x optional pull

**FINISHES**

- Trim is not available in US32D
- Anti-Microbial available with US26D, US32D
FEATURES
Certification: BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements. See charts on page 4 for details and options.

Covers: Stainless steel, zinc

Cover Tube: Aluminum

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

End Caps:
• Zinc
• Flush end cap option available

Fasteners:
• Wood and machine screws
• Thru-bolts supplied standard

Latchbolt: Top - 1/2" (13 mm) throw, pullman type with automatic dead-latching, stainless steel

Strikes:
• Stainless steel with stainless steel pin and roller - included standard with panic device
• Solid stainless steel - included standard with fire-rated device
• Top strike mortised into frame
• Double door strike for use with CVR and RIM device available

SPECIFICATIONS
Door Thickness: 1-3/4" (44 mm) - Standard

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

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

Vertical Rods:
• Rods for 7' (2134 mm) doors - 34-5/8" (879 mm) top rod length
• Rods for 8' (2438 mm) and 10' (3048 mm) doors - 46-5/8" (1184 mm) top rod length
• Extension rod kits available, 2' (610 mm) or 3' (914 mm) for doors over 7'

Stile Width:
• 4" (102 mm) minimum stile width required
• All stile widths are measured from door edge

Notes:
• NOT recommended for doors with inset greater than 1/8", for example: double egress frames, or jamb depths over 5-3/4" or greater
• 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
• Center line prep is 40" (1016 mm) - if door prep elevation is lower, a longer top rod will need to be ordered
• Recommended for use on appropriately reinforced doors

TRIM
• 4500 Series escutcheon trim for vertical rod device is surface mounted with a variety of lever options (pp. 22-23)
• Pull plate trim (excluding 45PT)
• Vandal resistant
• Rim cylinder x optional pull

FINISHES
• Trim is not available in US32D
• Anti-Microbial available with US26D, US32D
SPECIFICATIONS

Door Width:
- 36" (914 mm) field sizeable to 30" (762 mm) panic-rated door and 28" (711 mm) fire-rated door for devices with any monitoring switches
- 48" (1219 mm) field sizeable to 36" (914 mm) panic- or fire-rated door for devices with any monitoring switches
- 36" (914mm) field sizeable to 34" (864mm) door minimum for devices with motorized electric latch retraction
- 36" (914mm) door minimum for devices with electric dogging, alarm kit, delayed egress, or onboard delayed egress
- 48" (1219mm) field sizeable to 42" (1067mm) door minimum for devices with electric dogging or alarm kit
- 48" (1219mm) field sizeable to 40" (1016mm) door minimum for devices with motorized electric latch retraction
- 48" (1219mm) door minimum for devices with delayed egress or onboard delayed egress

Notes:
- NOT recommended for doors with inset greater than 1/8", for example: double egress frames, or jamb depths over 5-3/4" or greater
- 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

FEATURES

Same as 4500 Series CVR Device

FUNCTIONS

- ED - Electric Dogging
- RX - Request to Exit (field installation kit 2-649-5001)
- RX2 - Dual Request to Exit
- EDRX - Electric Dogging with Request to Exit
- ALK - Alarm Kit (kit 4940, tamper switch 2-649-1090)
- AI - Authorized Ingress
- RXAI - Request to Exit with Authorized Ingress
- LM - Latchbolt Monitor (2-649-0168)
- RXLM - Request to Exit with Latchbolt Monitor
- MLR - Motor Driven Electric Latch Retraction (field installation kit 2-649-5007)
- MLRX - Motor Driven Electric Latch Retraction with Request to Exit
- DE - Delayed Egress (must order wall mount controller 2-679-0630 separately)
- OBDE - Onboard Delayed Egress (Requires 1-1/8” - 1 3/8” length, 3978 Cloverleaf or equivalent tailpiece required)
4500 SERIES - GRADE 1 MORTISE DEVICE

**WARRANTY**
- Lifetime warranty

**FEATURES**
- **Certification:** BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements. See charts on page 4 for details and options.
- **Covers:** Stainless steel, zinc
- **Cover Tube:** Aluminum
- **Dogging:**
  - Hex key dogging standard on panic-rated devices
  - Less dogging available on panic-rated devices, specify LD
  - Cylinder dogging is available on panic-rated devices, specify CD
    - (3902 1-1/8" (29 mm) mortise cylinder with standard cam sold separately)
- **End Caps:**
  - Zinc
  - Flush end cap option available
- **Fasteners:**
  - Wood and machine screws
  - Thru-bolts supplied standard
- **Latchbolt:** 3/4" (19 mm) throw with anti-friction tongue, all stainless steel with auxiliary deadlocking latch
- **Strikes:** 4-7/8" (124 mm) ASA strike-standard

**SPECIFICATIONS**
- **Door Thickness:** 1-3/4" (44 mm) - Standard
- **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
- **Projection:**
  - 3" (76 mm) in undogged position
  - 2-5/8" (67 mm) in dogged position
- **Stile Width:**
  - 4-1/2" (114 mm)
  - All stile widths are measured from door edge.
- **Notes:** Recommended for use on appropriately reinforced doors

**TRIM**
- 4500 Series escutcheon trim for mortise device is available with a variety of lever options (p. 25)
  - (3902, 1-5/8" cylinder with standard cam sold separately)
- Mortise cylinder (1-3/8") with cylinder collar (11/16") x optional pull
- Mortise trim (45MB, 45MC, 45MD, 45MN) does not match center line of other 4500 Series trim
  - (45BE, 45CE, 45DT, 45NL)

**FINISHES**
- Trim is not available in US32D
- Anti-Microbial available with US26D, US32D
**4500 SERIES - GRADE 1 MORTISE DEVICE - ELECTRIFIED**

**WARRANTY**
- One-year on electrified components
- Lifetime on hardware components

**FEATURES**
Same as 4500 Series Mortise Device

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Door Width:</th>
<th>36” (914 mm) field sizeable to 30” (762 mm) panic-rated door and 28” (711 mm) fire-rated door for devices with any monitoring switches</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>48” (1219 mm) field sizeable to 36” (914 mm) panic- or fire-rated door for devices with any monitoring switches</td>
</tr>
<tr>
<td></td>
<td>36” (914 mm) field sizeable to 34” (864 mm) door minimum for devices with motorized electric latch retraction</td>
</tr>
<tr>
<td></td>
<td>36” (914 mm) door minimum for devices with electric dogging, alarm kit, delayed egress or onboard delayed egress</td>
</tr>
<tr>
<td></td>
<td>48” (1219 mm) field sizeable to 42” (1067 mm) door minimum for devices with electric dogging or alarm kit</td>
</tr>
<tr>
<td></td>
<td>48” (1219 mm) field sizeable to 40” (1016 mm) door minimum for devices with motorized electric latch retraction</td>
</tr>
<tr>
<td></td>
<td>48” (1219 mm) door minimum for devices with delayed egress or onboard delayed egress</td>
</tr>
</tbody>
</table>

**FUNCTIONS**
- **ED** - Electric Dogging
- **EU/EL** - Electrified Mortise Exit Device - provides means of locking/unlocking outside lever trim control remotely
- **RX** - Request to Exit
- **RX2** - Dual Request to Exit
- **EDRX** - Electric Dogging with Request to Exit
- **ALK** - Alarm Kit (kit 4940, Latchbolt Monitor 2-649-0168, Tamper Switch 2-649-1090)
- **MLR** - Motor Driven Electric Latch Retraction (field installation kit 2-649-5007)
- **MLRX** - Motor Driven Electric Latch Retraction with Request to Exit
- **DE** - Delayed Egress (must order wall mount controller 2-679-0630 separately)
- **OBDE** - Onboard Delayed Egress (Requires 1-1/8” - 1 3/8” length, 3978 Cloverleaf or equivalent tailpiece required)
**4500 SERIES - DUMMY PUSH PAD**

**WARRANTY**
- Lifetime warranty

**FEATURES**
- **Application:** For use with 4500 and 4600 Series Exit Devices
- **Cover Tube:** Aluminum
- **End Caps:**
  - Zinc
  - Flush end cap option available
- **Fasteners:**
  - Wood and machine screws
  - Thru-bolts supplied standard
- **Available Electric Functions:**
  - RX - Request to Exit
  - RX2 - Dual Request to Exit

**SPECIFICATIONS**
- **Door Thickness:** 1-3/4” (44 mm) - Standard
- **Door Width:**
  - 36” (914 mm) field sizeable to 27” (686 mm) door
  - 48” (1219 mm) field sizeable to 36” (914 mm) door
- **Projection:** 2-5/8” (67 mm)
- **Stile Width:**
  - 2-1/8” (54 mm) - minimum stile width
  - All stile widths are measured from door edge

**FINISHES**
- Anti-Microbial available with US26D, US32D
# 4500 SERIES - 4940 ALARM KIT

## Warranty
- One-year on electrified components
- Lifetime on hardware components

## Specifications

| Battery: | • Standard 9-Volt battery required  
|         | • Audible chirp and alternating LED color flash when battery is low |
| Alarm:  | 100 decibel horn sounds immediately upon pressing push pad |
| Cylinder: | • 1-1/8” or 1-1/4” Mortise cylinders acceptable  
|         | • Hager standard cam required  
|         | • Cylinder sold separately |
| Activation: | • Alarm is armed by turning key clockwise  
|          | • Alarm is disarmed by turning the key counter-clockwise  
|          | • Alarm is turned to service mode by turning the key counter-clockwise twice |
| Alarm Timing: | • Alarm will sound for either 1, 3, 5 minutes or continuously  
|            | • Times are selectable by on board switches |
| Warning Decal: | “Emergency Exit Only – Alarm Will Sound” on push pad of exit device |
| Indicator: | • LED Indicator  
|           | • Red LED will illuminate intermittently when armed  
|           | • Green LED will illuminate when unarmed  
|           | • Blue LED will illuminate in service mode  
|           | • Alternate colors flash when battery is low |
| Options: | • Tamper switch available that sounds alarm when end cap is removed  
|           | • Latch monitor switch is available that sounds alarm when latch is retracted without actuating the push pad  
|           | • Latch monitor switch typically used with Surface Vertical Rod devices  
|           | • When utilizing the latch monitor, the outside trim unit will also sound alarm |
| Output: | Alarm is equipped with output port |
## 4500 SERIES - ELECTRIC MODIFICATIONS

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>#</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Dogging</td>
<td>ED</td>
<td>Provides continuous latch retraction and dogging simultaneously.</td>
</tr>
<tr>
<td>Request to Exit</td>
<td>RX</td>
<td>Used to shunt an alarm, activate an alarm, provide release of magnetic locks, or signal a console.</td>
</tr>
<tr>
<td>Electric Dogging with Request to Exit</td>
<td>EDRX</td>
<td>Provides continuous latch retraction and dogging simultaneously along with an SPDT switch.</td>
</tr>
<tr>
<td>Dual Request to Exit</td>
<td>RX2</td>
<td>Features two SPDT switches</td>
</tr>
<tr>
<td>Latchbolt Monitoring</td>
<td>LM</td>
<td>An internal SPDT switch that monitors the latchbolt to signal both egress and access of an opening.</td>
</tr>
<tr>
<td>Latchbolt Monitoring/Request to Exit</td>
<td>RXLM</td>
<td>Two internal SPDT switches that monitor the latchbolt and the pushbar simultaneously.</td>
</tr>
<tr>
<td>Electric Trim</td>
<td>ET</td>
<td>Provides the means of locking or unlocking outside lever trim controls remotely. Trim works with both 12V or 24V and is field-selectable between Fail Safe (EL) or Fail Secure (EU).</td>
</tr>
<tr>
<td>Authorized Ingress/Key Monitoring</td>
<td>AI</td>
<td>An internal SPDT switch that monitors the operation of the outside trim, available for use with either the 45BE, 45CE or 45NL trim or Night Latch by optional pull. Must be ordered with the device.</td>
</tr>
<tr>
<td>Request to Exit/Authorized Ingress</td>
<td>RXAI</td>
<td>Two internal SPDT switches that monitor the pushbar and the outside trim simultaneously, available for use with either the 45CE or 45NL trim. Must be ordered with the device.</td>
</tr>
<tr>
<td>OnBoard Delayed Egress</td>
<td>OBDE</td>
<td>Delays egress for 15 seconds (30 seconds optional) when unauthorized egress is initiated. Modification can be made to 4501 exit devices.</td>
</tr>
<tr>
<td>Delayed Egress</td>
<td>DE</td>
<td>Delays egress for 15 or 30 seconds when unauthorized egress is initiated. Wall mount controller (2-679-0630) provides digital countdown display with verbal instructions or alarm tone only and must be ordered separately.</td>
</tr>
<tr>
<td>Motor Driven Electric Latch Retraction</td>
<td>MLR</td>
<td>Provides the means of locking or unlocking exit devices remotely using an electric motor. Recommend Hager 2903 or 2904 Power Supply.</td>
</tr>
<tr>
<td>Motor Driven Electric Latch Retraction with Request to Exit</td>
<td>MLRX</td>
<td>Provides the means of locking or unlocking exit devices remotely using an electric motor, along with an SPDT switch. Recommend Hager 2903 or 2904 Power Supply.</td>
</tr>
<tr>
<td>Electrified Mortise Exit Device</td>
<td>EU/EL</td>
<td>Provides the means of locking or unlocking outside lever trim controls remotely. Specify Fail Safe (EL) or Fail Secure (EU) and voltage (12V or 24V).</td>
</tr>
</tbody>
</table>

## ELECTRICAL SPECIFICATION/RATINGS AND WIRE REQUIREMENTS

| Specification/Ratings: | 
|------------------------|---|
| Electrical | 
| • ED; .225 AMP @ 24 Volt +/- 2V |
| • RX or LM; 125 VAC (3 AMP current); 30 VDC (2 AMP current) |
| • MLR; 1 AMP in rush @ 24 VDC +/- 2V, 400 mA holding |
| • DE; Single, 430 mA, Tandem 680 mA @ 24 VDC |
| • OBDE; Single, 540 mA; Tandem 790 mA @ 24 VDC |
| Wire Requirements: | 
| • Status switches (i.e. RX, LM, etc.) require 2 wires per switch to monitor a normally open (NO) or normally closed (NC) position |
| • All devices provide 3 wires per switch so both NO and NC positions can be monitored |
| • Monitoring both positions will require 3 wires per switch |

## QUICK CONNECT

Available on AI, ED, LM, MLR, and RX

## POWER SUPPLIES

For power supply options see electrified section, pages 41-19.

## ALAREDGED Devices - Specify When Ordering

(Note: Alarm kit components may be purchased separately)

ALK - Alarm Kit
ALM - ALK with latch monitor switch (recommended for use with SVR devices)
ALT - ALK with tamper switch
ALL - ALK with latch monitor and tamper switch
4500 SERIES  ESCUTCHEON TRIM - FOR 4500 RIM & VERTICAL ROD DEVICES

WARRANTY
- One-year on electrified components
- Lifetime on hardware components

SPECIFICATIONS
Escutcheon: 2-7/8” x 10-3/4” (73 mm x 273 mm)

Notes:
- Cannot be used with 4500 Series Mortise exit device
- 45BE, 45CE, 45DT, 45NL trim does not match centerline of 4500 Series Mortise trim (45MB, 45MC, 45MD and 45MN)

LEVERS
Archer, August, Charles, Johnston, Joshua, Louis, Warren, William or Withnell Levers

FINISHES
Anti-Microbial available on US26D

45BE  
**Blank Escutcheon**
ANSI Function: 14 - Always operable (passage)

45CE  
**Cylinder Escutcheon (Free-wheeling when locked)**
ANSI Function: 08 - Key locks or unlocks lever
Cylinder: Requires 3902 mortise cylinder with standard cam (sold separately)

45DT  
**Dummy Trim**
ANSI Function: 02 - Pull when device is dogged down

45NL  
**Night Latch**
ANSI Function: 03 - Key retracts latchbolt
Cylinder: Requires 3901 rim cylinder with long tailpiece (sold separately)

45ET  
**Electrified Trim (Free-wheeling when locked)**
ANSI Function: • 45ET EL- Electric Trim (Fail Safe)  
• 45ET EU- Electric Trim (Fail Secure)
Cylinder: Requires 3902 mortise cylinder, 1-1/4” with standard cam (sold separately)
Voltage: 12V or 24V

Electrical Specifications and Wire Requirements - See 4500 Series Electric Modifications page 20.
4500 SERIES - ESCUTCHEON TRIM - LEVER OPTIONS FOR 4500 RIM & VERTICAL ROD DEVICES

LOUIS LEVER

WARREN LEVER - HANDED

WILLIAM LEVER

WITHNELL LEVER
4500 SERIES - ESCUTCHEON TRIM - FOR 4500 MORTISE DEVICE

WARRANTY
• One-year on electrified components
• Lifetime on hardware components

SPECIFICATIONS

Escutcheon: 2-15/16” x 10” (75 mm x 254 mm)

Notes:
• Cannot be used with 4500 Series Rim or Vertical Rod devices
• Mortise trim (45MB, 45MC, 45MD, 45MN) does not match center line of other
  4500 Series trim (45BE, 45CE, 45DT, 45NL)

LEVERS
Archer, August, William or Withnell Levers

FINISHES
• Anti-Microbial available with US26D

45MB
Blank Escutcheon - For Use with 4501M Mortise Exit Device
ANSI Function: 14 - Always operable (passage)

45MC
Cylinder Escutcheon - For Use with 4501M Mortise Exit Device
ANSI Function: 08 - Key locks or unlocks lever (free-wheeling when locked)
Cylinder: Requires 3902, 1-5/8” mortise cylinder with standard cam (sold separately)

45MD
Dummy Trim - For Use with 4501M Mortise Exit Device
ANSI Function: 02 - Pull when device is dogged down
Cylinder: Requires 3902, 1-5/8” mortise cylinder with standard cam (sold separately)

45MN
Night Latch - For Use with 4501N Mortise Exit Device
ANSI Function: 03 - Key retracts latchbolt
Cylinder: Requires 3902, 1-5/8” mortise cylinder with standard cam (sold separately)
4500 SERIES - ESCUTCHEON TRIM - LEVER OPTIONS FOR 4500 MORTISE DEVICE

ARCHER LEVER

AUGUST LEVER

WILLIAM LEVER

WITHNELL LEVER
SPECIFICATIONS (45PD, 45PN, 45PT)

<table>
<thead>
<tr>
<th>Plate:</th>
<th>3” x 14” (76 mm x 356 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projection:</td>
<td>1-3/4” (44 mm)</td>
</tr>
<tr>
<td>Pull CTC:</td>
<td>5-1/2” (140 mm)</td>
</tr>
</tbody>
</table>

### 45PD
**Dummy Trim**
- ANSI Function: 02 - Pull when device is dogged down
- Notes:
  - For use with 4500 RIM, SVR, LBR, CLB devices, **not** for use with CVR
  - Anti-Microbial available with US26D, US32D

### 45PN
**Night Latch**
- ANSI Function: 03 - Key retracts latchbolt
- Cylinder: Requires 3901 rim cylinder (sold separately)
- Notes:
  - Includes retaining cup for 161 door prep
  - For use with 4500 RIM, SVR, LBR, CLB devices, **not** for use with CVR
  - Anti-Microbial available with US26D, US32D

### 45PT
**Thumb Piece Pull Plate Trim**
- ANSI Function: 05 - Key locks or unlocks thumbpiece
- Finishes: US32D
- Cylinder: Requires 3902 mortise cylinder with standard cam (sold separately)
- Notes:
  - For use with 4500 Rim exit only, **not** for use with vertical rod devices

### 313S
**Anti Vandal Pull**
- Certification: Meets ANSI A156.6 for J401 Pull and J407 Pull Plate
- Size: 6-11/32” x 11” (161 mm x 280 mm)
- Projection: 1-7/8” (48 mm)
- Clearance: 1-5/8” (41 mm)
- Door Thickness: 1-3/4” – 2” (45 mm - 51 mm)
- Materials: 11 gauge stainless steel
- Finishes: US32D
- Fasteners: Thru bolts directly to device
- Options:
  - Cylinder cutout available 1-1/4” (32 mm) dia. standard for exit device, specify handing
  - Cylinder and cylinder collar must be ordered separately
  - Requires 2-649-0137 7/16” cylinder collar with 3901 rim cylinder 1-1/4” - 1-3/8” long
    (see instructions for more detail)
- Notes:
  - Available with latchguard (specify 313L)

### RIM Cylinder by Optional Pull
- ANSI Function: 03 - Key retracts latchbolt
- Cylinder: Requires 3901 rim cylinder (sold separately). Standard (attached) and long tailpieces in every box.
- Notes:
  - For use with 4500 RIM, SVR, LBR, CLB devices
  - For pull options see Trim & Auxiliary section
### 4500 SERIES - STRIKES

**4915**
**Threshold Strike**
Optional strike for use with surface vertical rod exit device and saddle threshold; not for fire-rated doors

Finishes: US32D

**4920**
**Strike**
Included standard with 4500 Series Rim exit devices; not for fire-rated doors

Finishes: US32D

**4920F**
**Fire-rated Strike**
Included standard with fire-rated 4500 Series rim exit devices

Finishes: US32D

**4921**
**Double Door Strike**
Optional strike to be used with 4500 Series Surface Vertical Rod and Rim exit devices; not for fire-rated doors


**4923**
**Top Strike**
Included standard with 4500 Series Surface Vertical Rod exit devices; not for fire-rated doors

Finishes: US32D

**4923F**
**Fire-rated Top Strike**
Included standard with fire-rated 4500 Series Surface Vertical Rod exit devices

Finishes: US32D

**4924**
**Bottom Strike**
Included standard with 4500 Series Vertical Rod exit devices; not for fire-rated doors

Finishes: US32D

**4924F**
**Fire-rated Bottom Strike**
Included standard with fire-rated 4500 Series Vertical Rod exit devices

Finishes: US32D

**4945**
**Top Strike**
Included standard with 4500 Series Concealed Vertical Rod exit devices; not for fire-rated doors

Finishes: US32D

**4945F**
**Fire-rated Top Strike**
Included standard with fire-rated 4500 Series Concealed Vertical Rod exit devices

Finishes: US32D

**MORTISE EXIT STRIKE**

Included standard with 4500 Series Mortise exit device; not for fire-rated doors.


**FIRE-RATED MORTISE EXIT STRIKE**

Included standard with fire-rated 4500 Series Mortise exit device.

**4926**
**Cylinder Dogging Conversion Kit**
For use with panic-rated 4500 Series devices

- **Packaging:** One (1) each dogging plate, cylinder collar, cash box nut
- **Notes:**
  - Mortise cylinder 3902 with standard cam, sold separately
  - Specify 36” (914 mm) or 48” (1219 mm)

**4927**
**Bottom Latch Assembly**
For use with 4500 Series Surface Vertical Rod exit device

- **Description:** 1/2” (13 mm) throw, pullman type, held retracted during door swing, stainless steel
- **Packaging:** One (1) bottom latch with cover and appropriate fasteners

**4928**
**Top Latch Assembly**
For use with 4500 Series Surface Vertical Rod exit device

- **Description:** 1/2” (13 mm) throw, pullman type, held retracted during door swing, stainless steel
- **Packaging:** One (1) top latch with cover and appropriate fasteners

**4929**
**Top/Bottom Rod Replacement Kit**
For use with 4500 Series Surface Vertical Rod exit device

- **Packaging:** One (1) each 45-1/4” (1149 mm) rod, rod guide, rod connector, and appropriate fasteners

**4929C**
**Concealed Rod Replacement Kit**
For use with 4500 or 4600 Series Concealed Vertical Rod exit device

- **Material:** Hardened aluminum
- **Finishes:** US26D
- **Packaging:** One (1) each 46-5/8” (1184 mm) rod, rod connector and appropriate fasteners

**4930R**
**Shim Kit**
For use with 4500 Series Rim exit devices where a glass bead kit would interfere with exit device

- **Packaging:** Two (2) each 1/8” (3 mm) shims and appropriate fasteners

**4930S**
**Shim Kit**
For use with 4500 Series Surface Vertical Rod exit devices where a glass bead kit would interfere with exit device

- **Packaging:** Two (2) each 1/8” (3 mm) shims and appropriate fasteners

**2-649-0250/2-649-0257**
**Photoluminescent Push bar cover option for 4500 & 4600 Series exit devices**

- **Description:** 2-649-0250 - 4500/4600 36”
  2-649-0275 - 4500/4600 48”
- **Features:**
  - Requires no wiring or maintenance
  - Recharges with exposure to ambient light
**4932C**
*Head Cover*
For use with 4500 Series Concealed Vertical Rod or Mortise exit devices


**Packaging:** One (1) head cover and four (4) each M4 x 6mm MS

---

**4932R**
*Head Cover*
For use with 4500 Series Rim exit device


**Packaging:** One (1) head cover and four (4) each M4 x 6mm MS

---

**4932S**
*Head Cover*
For use with 4500 Series Surface Vertical Rod exit devices


**Packaging:** One (1) head cover and four (4) each M4 x 6mm MS

---

**4937**
*36” Extension Rod Kit*
For use with 4500 Series Vertical Rod exit devices


**Packaging:** One (1) each 36” (914 mm) extension rod, rod connector, rod guide, plus wood and machine screws

**Notes:** Extension rod threaded on both ends; if cuts are required, cut the standard rod on non-threaded end

---

**END CAPS**
For use with all 4500 and 4600 Series exit devices

**Finishes:** Anti-microbial available with US26D, US32D.

**Standard**
US3 (2-649-0038) (2-649-0218)
US4 (2-649-0039) (2-649-0220)
US10 (2-649-0040) (2-649-0214)
US10B (2-649-0041) (2-649-0215)
US26 (2-649-0042) (2-649-0216)
US26D (2-649-0043) (2-649-0217)
US32D (2-649-0044) (2-649-0219)
BLK (2-649-5013) (2-649-5012)

**Flush**
US3 (2-649-0038) (2-649-0218)
US4 (2-649-0039) (2-649-0220)
US10 (2-649-0040) (2-649-0214)
US10B (2-649-0041) (2-649-0215)
US26 (2-649-0042) (2-649-0216)
US26D (2-649-0043) (2-649-0217)
US32D (2-649-0044) (2-649-0219)
BLK (2-649-5013) (2-649-5012)

**Packaging:** One (1) each cap and bracket plus fasteners

---

**2-649-0166**
*Fire Bolt Kit*
For use with fire-rated 4500 Series Vertical Rod less bottom rod device

**Faceplate:** 1-25/32” x 1” (45 mm x 25 mm)

**Bolt Diameter:** 7/16” (11 mm)

**Bolt Length:** 1-1/2” (38 mm)

**Materials:** Stainless steel

**Packaging:** One (1) each fire bolt, plastic plug, head cover plug, and appropriate fasteners

**Notes:** Required with a fire-rated pair of LBR or LLB devices to ensure rating
The Hager 4600 Series is designed and engineered to provide a lifetime of superior performance on narrow stile doors (2-inch minimum) in heavy duty commercial applications. The 4600 Series design complements aluminum and glass construction and provides excellent durability for a range of applications. Go to www.hagerco.com for specific warranty conditions.

Hager 4600 Series Exit Devices are BHMA certified Grade 1 and meet Life Safety codes.

Extruded aluminum construction, stainless steel push bar covers, die cast caps and covers, and stainless steel latchbolts provide premium security and performance at value pricing.
4600 SERIES DEVICES

BHMA Certified ANSI/BHMA A156.3-2014 Grade 1

UL305 Listed for Panic Hardware

UL10C Positive Pressure Rated

UL10B Neutral Pressure Rated

Complies with ANSI A117.1 for Accessible Buildings and Facilities

4600 SERIES FIRE-RATED DEVICES (RIM Device only)

UL/cUL Listed for "A" Label Door Up to and Including 3 hours on 4’ x 8’ doors

Rim with Fire-rated Removable Mullion 4900UF UL/cUL Listed and Warnock Hersey Listed for “A” Label Door Up to and Including 3 hours on 8’ x 8’ doors
Installation Made Easy
For the convenience of our customers, Hager Companies introduced several key features to the exit device market.
- Thru-bolts are included with every model. Wood and machine screws are also provided standard in every package.
- Slotted RIM strikes speed up installation, allowing the installer to make easy adjustments to align the latch to
- Non-handed device offers added versatility and means less inventory.
- Escutcheon trim is surface mounted with the locking mechanism built inside, reducing door preparation and installation time by requiring fewer holes in the door.

Shim Kits (Rim only)
Shim kits are available for devices on doors with glass bead kits or other interfacing moldings. Each kit contains two 1/8” (3.2 mm) shims and the appropriate longer fasteners.

Dogging
Cylinder dogging or less dogging are available to replace the standard hex key dogging on panic exit devices. For less dogging, specify LD on order. For cylinder dogging, specify CD on order or purchase 4926 for retrofit applications. Unit requires 1-1/8” (29 mm) mortise cylinder (part number 3902) with standard cam.

Sizing
The exit device is cut for 36” (914 mm) and 48” (1219 mm) wide doors. For other door widths, cut exit device to appropriate length. Recommended overall length of exit device is equal to the door width minus four inches.

<table>
<thead>
<tr>
<th>Trim Functions</th>
<th>Part Number</th>
<th>Function Description</th>
<th>ANSI Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank Escutcheon</td>
<td>46BE</td>
<td>Always operable (Passage)</td>
<td>14</td>
</tr>
<tr>
<td>Cylinder Escutcheon</td>
<td>46CE</td>
<td>Key locks or unlocks lever</td>
<td>08</td>
</tr>
<tr>
<td>Dummy</td>
<td>46DT</td>
<td>Pull when device is dogged down</td>
<td>02</td>
</tr>
<tr>
<td>Night Latch</td>
<td>46NL</td>
<td>Key retracts latchbolt</td>
<td>03</td>
</tr>
</tbody>
</table>
### 4600 SERIES - DEVICE PROFILE

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>4600 RIM - 36&quot;</td>
<td>18 5/32&quot; (461mm)</td>
<td>34 5/8&quot; (879mm)</td>
</tr>
<tr>
<td>4600 RIM - 48&quot;</td>
<td>24&quot; (609mm)</td>
<td>46 5/8&quot; (1184mm)</td>
</tr>
<tr>
<td>4600 CVR - 36&quot;</td>
<td>18 5/32&quot; (461mm)</td>
<td>35&quot; (889mm)</td>
</tr>
<tr>
<td>4600 CVR - 48&quot;</td>
<td>24&quot; (609mm)</td>
<td>47&quot; (1194mm)</td>
</tr>
</tbody>
</table>

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

HAGER RESERVES THE RIGHT TO MAKE DESIGN CHANGES WITHOUT NOTICE. CALL HAGER ENGINEERING AT 1-800-325-9995 FOR THE LATEST REVISION DATE OF TEMPLATE.

PRIMARY DIMENSIONS SHOWN IN INCHES, DIMENSIONS IN [ ] ARE MILLIMETERS.
## 4600 Series - How to Order

### 4600 Series Exit Device

**4601 RIM FR 36” US3 1-3/4” MLR**

**Product Group**
4600 Series, Grade 1

**Type**
- RIM - Rim Device
- CVR - Concealed Vertical Rod Device
- CLB - Concealed Vertical Rod
- Less Bottom Rod

**Rating**
- FR - Fire Rated
- 0 - Non-Fire Rated
- CD - Cylinder Dogging
- LD - Less Dogging

**Size**
- 36”
- 48”

**Finish**
- US3
- US4
- US10
- US10B
- US26
- US26D
- US32D
- BLK

**Door Thickness**
- 1-5/8”
- 1-3/4”
- 2”
- 2-1/2”
- 3”

**Electric Modifications**
- ALK - Alarm Kit
- ALL - Alarm Kit w/ Tamper Switch and Latch Monitor
- ALM - Alarm Kit w/ Latch Monitor
- ALT - Alarm Kit w/ Tamper Switch
- DE - Delayed Egress
- ED - Electric Dogging
- EDRX - Electric Dogging w/ Request to Exit
- LM - Latchbolt Monitor
- RX - Request to Exit
- RX2 - Dual Request to Exit
- RKLX - Request to Exit w/ Latchbolt Monitor
- MLR - Motor Driven Electric Latch Retraction
- MLRX - Motor Driven Electric Latch Retraction w/ Request to Exit
- MLRLM - Motor Driven Electric Latch Retraction with Latchbolt Monitoring
- MLRXLM - Motor Driven Electric Latch Retraction with Request to Exit and Latchbolt Monitoring

### 4600 Series Trim

**46 CE ARC US3 1-3/4” TW**

**Trim/Function**
- BE - Blank Escutcheon
  - Function 14, always operable
- CE - Cylinder Escutcheon
  - Function 08, key locks/unlocks lever
- DT - Dummy Trim
  - Function 02, pull when dogged down
- NL - Night Latch
  - Function 03, key retracts latchbolt

**Finish**
- US3
- US4
- US10
- US10B
- US26
- US26D
- BLK

**Lever Style**
- ARC - Archer
- AUG - August
- WLM - William
- WTN - Withnell

**Door Thickness**
- 1-5/8”
- 1-3/4”
- 2”
- 2-1/2”
- 3”

**Options**
- TW - Tactile Warning
- A - Antimicrobial Coating (US26D only)

**Notes:**
1. Extended lead time on flat black finish.
2. Mortise cylinder 3902 with 3976 L cam is required for use with cylinder escutcheon trim and is sold separately.
3. Rim cylinder 3901 with long tailpiece is required for use with night latch trim and is sold separately.
4. For more cylinder information, please refer to Cylinder, Core & Keying in the Locks section of the catalog.
5. If using shim kit, specify total door thickness including shims.
6. Not available on the 4600 CVR or CLB.
BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements. See page 32 for details and options.

Covers: Stainless steel, zinc

Cover Tube: Aluminum

Dogging:
- Hex key dogging standard on panic-rated devices
- Less dogging available on panic-rated devices, specify LD
- Cylinder dogging available on panic-rated devices, specify CD
3902 1-1/8” (29 mm) mortise cylinder with standard cam sold separately

End Caps:
- Standard Flush End Cap (Zinc)

Fasteners:
- Wood and machine screws
- Thru-bolts supplied standard

Latchbolt: 3/4” (19mm) throw, pullman type with automatic dead-latching, stainless steel

Strikes:
- Blade stop (4950) - Standard with panic device
- Fire-rated strike (4920F) - Standard with fire-rated device
- Standard strike (4920) - Optional
- Single rabbit strike (4951) - Optional
- Semi-flush mount strike (4952) - Optional

SPECIFICATIONS

Door Thickness:
- 1-3/4” (44mm) - Standard. Up to 3”(76.2mm), except with night latch (NL) which is 2-1/2” (63.55mm)

Door Width:
- 36” (914mm) field sizeable to 30” (762mm) panic-rated door and 28” (711mm) fire-rated door for devices with any monitoring switches
- 48” (1219mm) field sizeable to 36” (914mm) panic- or fire-rated door for devices with any monitoring switches
- 36” (914mm) field sizeable to 34” (864mm) door minimum for devices with motorized electric latch retraction
- 36” (914mm) door minimum for devices with electric dogging, alarm kit, or delayed egress
- 48” (1219mm) field sizeable to 42” (1067mm) door minimum for devices with electric dogging or alarm kit
- 48” (1219mm) field sizeable to 40” (1016mm) door minimum for devices with motorized electric latch retraction
- 48” (1219) door minimum for devices with delayed egress

Projection:
- 3” (76 mm) in undogged position
- 2-5/8” (67 mm) in dogged position

Stile Width:
- 2-1/8” (54 mm) - Minimum stile width required for 1/2” (13 mm) blade stop frame and 4950 blade stop strike
- 3-1/4” (83 mm) - Minimum stile width required for single door, 5/8” (16 mm) stop and 4920 standard strike
- 3-3/4” (95 mm) - Minimum stile width required for double door x mullion x 4920 strike
- 2-3/4” (70 mm) - Minimum stile width required for double doors with 2” (51 mm) mullion and 4952 semi-flush mount strike

Notes:
- All stile widths are measured from door edge
- Recommended for use on appropriately reinforced doors

TRIM
- Archer, August, William, Withnell
- Rim cylinder x optional pull

FINISHES
- US10B, US26D, and US32D
- Trim not available in US32D
- Anti-Microbial available with US26D, US32D
4600 SERIES - GRADE 1 NARROW STILE RIM DEVICE - ELECTRIFIED

WARRANTY
- One-year on electrified components
- Lifetime on hardware components

FEATURES
Same as 4600 Series Narrow Stile Rim Device

SPECIFICATIONS

Door Width:
- 36” (914 mm) field sizeable to 30” (762 mm) panic-rated door and 28” (711 mm) fire-rated door for devices with any monitoring switches
- 48” (1219 mm) field sizeable to 36” (914 mm) panic- or fire-rated door for devices with any monitoring switches
- 36” (914mm) field sizeable to 34” (864mm) door minimum for devices with motorized electric latch retraction
- 36” (914mm) door minimum for devices with electric dogging, alarm kit, or delayed egress
- 48” (1219mm) field sizeable to 42” (1067mm) door minimum for devices with electric dogging or alarm kit
- 48” (1219mm) field sizeable to 40” (1016mm) door minimum for devices with motorized electric latch retraction
- 48” (1219mm) door minimum for devices with delayed egress

FUNCTIONS
- ED - Electric Dogging
- RX - Request to Exit (field installation kit 2-649-5001)
- RX2 - Dual Request to Exit
- EDRX - Electric Dogging with Request to Exit
- ALK - Alarm Kit (kit 4941)
- ALM - Alarm Kit with Latch Monitor Switch (2-649-0168)
- ALT - Alarm Kit with Tamper Switch (2-649-1090)
- ALL - Alarm Kit with Latch Monitor and Tamper Switch
- LM - Latchbolt Monitor
- RXLM - Request to Exit with Latchbolt Monitor
- MLR - Motor Driven Electric Latch Retraction (field installation kit 2-649-5007)
- MLRX - Motor Driven Electric Latch Retraction with Request to Exit
- MLRXLM - Motor Drive Electric Latch Retraction with Request to Exit and Latchbolt Monitoring
- MLRLM - Motor Driven Electric Latch Retraction with Latchbolt Monitoring
- DE - Delayed Egress (must order with wall mount controller 2-679-0630 separately)

WARRANTY
- One-year on electrified components
- Lifetime on hardware components
4600 SERIES - GRADE 1 CONCEALED VERTICAL ROD

WARRANTY
Lifetime warranty

FEATURES
Certification: BHMA Certified ANSI A156.3 Grade 1-2014 UL305
Covers: Stainless steel, zinc
Cover Tube: Aluminum
Dogging: • Hex key dogging standard
• Cylinder dogging is available - specify CD (3902 with standard cam sold separately)
End Caps: • Zinc (Flush end standard)
Fasteners: • Machine screws
• Thru-bolts
Latchbolt: • Top - 1/2” (13 mm) throw, stainless steel
• Bottom - 1/2” (13 mm) throw, held retracted during door swing, stainless steel
Strike: • Stainless steel - included standard with panic device
• Mortised into aluminum frame and 1/2" threshold

SPECIFICATIONS
Door Thickness: 1-3/4” (44 mm) - Standard
Door Width: • 36” (914 mm) field sizeable to 30” (762 mm) door
• 48” (1219 mm) field sizeable to 36” (914 mm) door
Projection: • 3” (76 mm) in undogged position
• 2-5/8” (67 mm) in dogged position
Rods: • Rods for 7’ (2134 mm) doors - 33-1/2” (851 mm) top rod length
• Rods for 8’ (2438 mm) and 10’ (3048 mm) doors - 45-1/2” (1156 mm) top rod length
• Extension rod kits available, 2’ (610 mm) or 3’ (914 mm) for doors over 7’
Stile Width: • 2-1/8” (54 mm) minimum stile width required
• All stile widths are measured from door edge
Notes: • Recommended for use on appropriately reinforced doors

TRIM
• Archer, August, William, or Withnell lever with escutcheon

FINISHES
• US26D and US32DD
• Trim is not available in US32D
• Anti-Microbial available with US26D, US32D
## Warranty
- Lifetime warranty

## Features

**Certification:**
- BHMA Certified ANSI A156.3 Grade 1-2014
- UL305

**Covers:**
- Stainless steel, zinc

**Cover Tube:**
- Aluminum

**Dogging:**
- Hex key dogging standard
- Cylinder dogging is available - specify CD (3902 with standard cam sold separately)

**End Caps:**
- Zinc (Flush end standard)

**Fasteners:**
- Machine screws
- Thru-bolts

**Latchbolt:**
- Top - 1/2” (13 mm) throw, stainless steel

**Strike:**
- Stainless steel - included standard with panic device
- Mortised into aluminum frame

## Specifications

### Door Thickness:
- 1-3/4” (44 mm) - Standard

### Door Width:
- 36” (914 mm) field sizeable to 30” (762 mm) door
- 48” (1219 mm) field sizeable to 36” (914 mm) door

### Projection: Vertical Rods:
- 3” (76 mm) in undogged position
- 2-5/8” (67 mm) in dogged position

### Rods:
- Rods for 7’ (2134 mm) doors - 33-1/2” (851 mm) top rod length
- Rods for 8’ (2438 mm) and 10’ (3048 mm) doors - 45-1/2” (1156 mm) top rod length
- Extension rod kits available, 2’ (610 mm) or 3’ (914 mm) for doors over 7’

### Stile Width:
- 2-1/8” (54 mm) minimum stile width required
- All stile widths are measured from door edge

### Notes:
- Recommended for use on appropriately reinforced doors

## Trim
- Archer, August, William, or Withnell lever with escutcheon

## Finishes
- US26D and US32DD
- Trim is not available in US32D
- Anti-Microbial available with US26D, US32D
4600 SERIES - GRADE 1 NARROW STILE CVR/CLB - ELECTRIFIED

WARRANTY
- One-year on electrified components
- Lifetime on hardware components

FEATURES
Same as 4600 Series CVR/CLB Device

SPECIFICATIONS
Door Width:
- 36” (914 mm) field sizeable to 30” (762 mm) for devices with any monitoring switches.
- 48” (1219 mm) field sizeable to 36” (914 mm) door for devices with any monitoring switches.
- 36” (914 mm) field sizeable to 34” (864 mm) door minimum for devices with motorized electric latch retraction.
- 36” (914 mm) door minimum for devices with electric dogging, or delayed egress.
- 48” (1219 mm) field sizeable to 42” (1067 mm) door minimum for devices with electric dogging.
- 48” (1219 mm) field sizeable to 40” (1016 mm) door minimum for devices with motorized electric latch retraction.
- 48” (1219 mm) door minimum for devices with delayed egress.

FUNCTIONS
- ED - Electric Dogging
- RX - Request to Exit (field installation kit 2-649-5001)
- RX2 - Dual Request to Exit
- EDRX - Electric Dogging with Request to Exit
- LM - Latchbolt Monitor
- RXLM - Request to Exit with Latchbolt Monitor
- MLR - Motor Driven Electric Latch Retraction (field installation kit 2-649-5007)
- MLRX - Motor Driven Electric Latch Retraction with Request to Exit
- MLRXLM - Motor Driven Electric Latch Retraction with Request to Exit and Latchbolt Monitoring
- MLRLM - Motor Driven Electric Latch Retraction with Latchbolt Monitoring
- DE - Delayed Egress (must order wall mount controller 2-679-0630 separately)
## 4600 SERIES - 4941 ALARM KIT (RIM Device only)

### WARRANTY
- One-year on electrified components
- Lifetime on hardware components

### SPECIFICATIONS

**Battery:**
- Standard 9-Volt battery required
- Audible chirp and alternating LED color flash when battery is low

**Alarm:**
- 100 decibel horn sounds immediately upon pressing push pad

**Cylinder:**
- 1-1/8” or 1-1/4” Mortise cylinders acceptable
- Hager standard cam required
- Cylinder sold separately

**Activation:**
- Alarm is armed by turning key clockwise
- Alarm is disarmed by turning the key counter-clockwise
- Alarm is turned to service mode by turning the key counter-clockwise twice

**Alarm Timing:**
- Alarm will sound for either 1, 3, 5 minutes or continuously
- Times are selectable by on board switches

**Warning Decal:**
"Emergency Exit Only – Alarm Will Sound" on push pad of exit device

**Indicator:**
- LED Indicator
- Red LED will illuminate intermittently when armed
- Green LED will illuminate when unarmed
- Blue LED will illuminate in service mode
- Alternate colors flash when battery is low

**Options:**
- Tamper Switch available that sounds alarm when end cap is removed
- Latch monitor switch is available that sounds alarm when latch is retracted without actuating the push pad
- Latch Monitor Switch typically used with Surface Vertical Rod devices
- When utilizing the latch monitor, the outside trim unit will also sound alarm

**Output:**
- Alarm is equipped with output port
## 4600 SERIES - ELECTRIC MODIFICATIONS

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>#</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Dogging</td>
<td>ED</td>
<td>Provides continuous latch retraction and dogging simultaneously.</td>
</tr>
<tr>
<td>Request to Exit</td>
<td>RX</td>
<td>Used to shunt an alarm, activate an alarm, provide release of magnetic locks, or signal a console.</td>
</tr>
<tr>
<td>Electric Dogging with Request to Exit</td>
<td>EDRX</td>
<td>Provides continuous latch retraction and dogging simultaneously along with an SPDT switch.</td>
</tr>
<tr>
<td>Dual Request to Exit</td>
<td>RX2</td>
<td>Features two SPDT switches</td>
</tr>
<tr>
<td>Latchbolt Monitoring</td>
<td>LM</td>
<td>An internal SPDT switch that monitors the latchbolt to signal both egress and access of an opening.</td>
</tr>
<tr>
<td>Latchbolt Monitoring/Request to Exit</td>
<td>RXLM</td>
<td>Two internal SPDT switches that monitor the latchbolt and the pushbar simultaneously.</td>
</tr>
<tr>
<td>Delayed Egress</td>
<td>DE</td>
<td>Delays egress for 15 or 30 seconds when unauthorized egress is initiated. Wall mount controller (2-679-0630) provides digital countdown display with verbal instructions or alarm tone only and must be ordered separately.</td>
</tr>
<tr>
<td>Motor Driven Electric Latch Retraction</td>
<td>MLR</td>
<td>Provides the means of locking or unlocking exit devices remotely using an electric motor. Recommend Hager 2903 or 2904 Power Supply.</td>
</tr>
<tr>
<td>Motor Driven Electric Latch Retraction with Request to Exit</td>
<td>MLRX</td>
<td>Provides the means of locking or unlocking exit devices remotely using an electric motor, along with an SPDT switch. Recommend Hager 2903 or 2904 Power Supply.</td>
</tr>
<tr>
<td>Motor Driven Electric Latch Retraction with Request to Exit and Latchbolt Monitoring</td>
<td>MLRXLM</td>
<td>Provides the means of locking or unlocking exit devices remotely using an electric motor along with two internal SPDT switches that monitor the pushbar and latchbolt simultaneously. Recommend Hager 2903 or 2904 Power Supply.</td>
</tr>
<tr>
<td>Motor Driven Electric Latch Retraction with Latchbolt Monitoring</td>
<td>MLRLM</td>
<td>Provides the means of locking or unlocking exit devices remotely using an electric motor along with an internal SPDT switch that monitors the latchbolt. Recommend Hager 2903 or 2904 Power Supply.</td>
</tr>
</tbody>
</table>

### ELECTRICAL SPECIFICATION/RATINGS AND WIRE REQUIREMENTS

**Electrical Specifications/Ratings:**
- ED, RX or LM: 125 VAC (3 AMP current); 30 VDC (2 AMP current)
- MLR: 1 AMP in rush @ 24 VDC +/- 2V, 400 mA holding

**Wire Requirements:**
- Status switches (i.e. RX, LM, etc.) require 2 wires per switch to monitor a normally open (NO) or normally closed (NC) position
- All devices provide 3 wires per switch so both NO and NC positions can be monitored
- Monitoring both positions will require 3 wires per switch

### QUICK CONNECT
Available on ED, LM, MLR, and RX

### POWER SUPPLEIES

<table>
<thead>
<tr>
<th>PRODUCT #</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>2903</td>
<td>Provides 24 Volt DC power for Fail Safe or Fail Secure locking devices and interface with building alarm controls, card readers, keypads, and other door controls</td>
</tr>
<tr>
<td>2904</td>
<td>Provides 24 Volt DC power and control for openings with an electrified locking device and automatic door operator</td>
</tr>
<tr>
<td>2908</td>
<td>Provides up to 1 amp of 12 or 24 Volt DC power - modular</td>
</tr>
<tr>
<td>2909</td>
<td>Provides up to 2 amps of 12 or 24 Volt DC power - modular</td>
</tr>
</tbody>
</table>

### ALARMED DEVICES (Rim Device only)- SPECIFY WHEN ORDERING:
(Note: Alarm kit components may be purchased separately)
- ALK - Alarm Kit
- ALM - ALK with Latch Monitor Switch
- ALT - ALK with Tamper Switch
- ALL - ALK with Latch Monitor and Tamper Switch
## 4600 SERIES - ESCUTCHEON TRIM

### WARRANTY
| Lifetime on hardware components |

### SPECIFICATIONS
| Escutcheon: 1-11/16” x 7-7/8” (43 mm x 200 mm) |

### LEVERS
| Archer, August, William or Withnell Levers |

### FINISHES
- Anti-Microbial available with US26D

### 46BE
**Blank Escutcheon**
- ANSI Function: 14 - Always operable (passage)

### 46CE
**Cylinder Escutcheon**
- ANSI Function: 08 - Key locks or unlocks lever
- Cylinder: Requires 3902 mortise cylinder with 3976 L cam (sold separately)

### 46DT
**Dummy Trim**
- ANSI Function: 02 - Pull when device is dogged down

### 46NL
**Night Latch**
- ANSI Function: 03 - Key retracts latchbolt
- Cylinder: Requires 3901 rim cylinder (sold separately). Long tailpiece standard.
- Notes: Maximum door thickness compatibility is 2-1/2” (38 mm)

### RIM Cylinder by Optional Pull
- ANSI Function: 03 - Key retracts latchbolt
- Cylinder: Requires 3901 rim cylinder (sold separately). Long tailpiece standard.
- Notes: For pull options see Trim & Auxiliary section

---

**Finish Options**
- • Anti-Microbial available with US26D

---

**FINISHES**
- Archer, August, William or Withnell Levers

---

**WARRANTY**
- Lifetime on hardware components

---

**FINISHES**
- Anti-Microbial available with US26D

---

**RIM Cylinder by Optional Pull**
- ANSI Function: 03 - Key retracts latchbolt
- Cylinder: Requires 3901 rim cylinder (sold separately). Long tailpiece standard.
- Notes: For pull options see Trim & Auxiliary section
4600 SERIES - STRIKES

4920
Strike
Optional strike to be used with 4600 Series Rim exit device; not for fire-rated doors

Finishes: US32D
Notes: For standard surface mounted applications

4920F
Fire-rated Strike
Included standard with 4600 Series Fire-rated Rim exit device

Finishes: US32D
Notes: For standard surface mounted applications

4950
Blade Stop Strike
Included standard with 4600 Series Rim exit device; not for fire-rated doors

Finishes: US32D

4951
Single Rabbit Strike
Optional strike to be used with 4600 Series Rim exit device; not for fire-rated doors

Finishes: US32D

4952
Semi-Flush Mount Strike
Optional strike to be used with 4600 Series Rim exit device; not for fire-rated doors

Finishes: US32D

4925R
Cylinder Dogging Conversion Kit
For use with 4600 Series Rim Exit Device


Packaging: One (1) each dogging plate, cylinder collar, cash box nut
Notes: • Mortise cylinder 3902 with standard cam, sold separately
• Specify 36” (914 mm) or 48” (1219 mm)

4960R
Shim Kit
To be used with 4600 Series Rim exit device where a glass bead kit would interfere with exit device


Packaging: Two (2) each 1/8” (3 mm) shims and appropriate fasteners

4965R
Head Cover
For use with 4600 Series Rim exit device


Packaging: One (1) head cover and four (4) each M4 x 6mm MS

FLUSH END CAP (supplied with product)
For use with all 4500 and 4600 Series exit devices

Packaging: One (1) each cap and bracket plus fasteners

Flush
US3 (2-649-0218)
US4 (2-649-0220)
US10 (2-649-0214)
US10B (2-649-0215)
US26 (2-649-0216)
US26D (2-649-0217)
US32D (2-649-0219)
BLK (2-659-5012)

2-649-0250/2-649-0257
Photoluminescent
Push bar cover option for 4500 & 4600 Series exit devices

Description: 2-649-0250 - 4500/4600 36”
2-649-0275 - 4500/4600 48”
Features: • Requires no wiring or maintenance
• Recharges with exposure to ambient light
4600 SERIES CONCEALED VERTICAL ROD SERIES - ACCESSORIES

2-649-0580  Rod Connector Pack
 Included standard with 4600 CVR and CLB exit devices

2-649-0581  Top Latch Assembly
 Included standard with 4600 CVR and CLB exit devices (screws not included)
 Screws are sold as Latch Screw Pack

2-649-0582  Bottom Latch Assembly
 Included standard with 4600 CVR exit device (screws not included)
 Screws are sold as Latch Screw Pack

2-649-0588  Latch Screw Packs
 Included standard with 4600 CVR and CLB exit devices

2-649-0596  Bottom Strike
 Included standard with 4600 CVR exit devices

2-649-0597  Chassis Screw Pack
 Included standard with 4600 CVR and CLB exit devices

2-649-0598  Top Strike
 Included standard with 4600 CVR and CLB exit devices

4929C  Concealed Rod Replacement Kit
 For use with 4500 or 4600 Series
 Concealed Vertical Rod exit device
 Material: Hardened aluminum
 Finishes: US26D
 Packaging: One (1) each
 46-5/8" (1184 mm) rod, rod connector and appropriate fasteners

4965C  Replacement Head Cover
 (For use with 4600 Series CVR and CLB Exit Devices)
 Material: Hardened aluminum
 Finishes: US26D
 Packaging: One (1) each
 46-5/8" (1184 mm) rod, rod connector and appropriate fasteners

4925C  Cylinder Dogging Conversion Kit
 (For use with 4600 Series CVR and CLB Exit Devices)
 Packaging: One (1) each dogging plate, cylinder collar, cash box nut
 Notes: Mortise cylinder 3902 with standard cam, sold separately.
 Specify 36" (914 mm) or 48" (1219 mm)
The Hager 4700 Series is designed and engineered to provide superior performance on standard stile doors in a range of light commercial and standard duty applications. Properly applied and maintained Hager 4700 Series Exit Devices and Trim are backed by a five-year warranty. Go to www.hagerco.com for specific warranty conditions.

Hager 4700 Series Exit Devices meet Life Safety codes and Fire Safety requirements. The 4700 Series Rim device meets the requirements for a Severe Windstorm Resistant Component.

Made with superior materials and with dead locking stainless steel Pullman type latchbolts, the 4700 Series Exit Devices provide necessary security and performance at economy pricing.
4700 SERIES

ANSI/BHMA A156.3-2014 Grade 1
UL305 Listed for Panic Hardware
UL10C Positive Pressure Rated
UL10B Neutral Pressure Rated
Complies with ANSI A117.1 for Accessible Buildings and Facilities
ANSI A 250.13 Severe Windstorm Resistant Component

**4700 SERIES FIRE-RATED DEVICES**

<table>
<thead>
<tr>
<th>RIM F</th>
<th>SVR F</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 HR 4'X8'</td>
<td>---</td>
</tr>
<tr>
<td>90 MIN 4'X8'</td>
<td>3 HR 8'X8'</td>
</tr>
<tr>
<td>90 MIN 8'X8'</td>
<td>3 HR 8'X8'</td>
</tr>
</tbody>
</table>

Currently, no door manufacturer offers a listing over 90 minutes with doors swinging in the same direction. Consult wood door manufacturers for current UL listings.
Installation Made Easy
For the convenience of our customers, Hager Companies introduced several key features to the exit device market.

- Thru-bolts are included with every model. Wood and machine screws are also provided standard in every package.
- Slotted strikes speed up installation, allowing the installer to make easy adjustments to align the latch to the strike.
- Escutcheon trim is surface mounted with the locking mechanism built inside, reducing door preparation and installation time by requiring fewer holes in the door.

Shim Kits
Shim kits are available for devices on doors with glass bead kits or other interfacing moldings. Each kit contains two 1/8” (3.2 mm) shims and the appropriate longer fasteners.

Sizing
The exit device is cut for 36” (914 mm) and 48” (1219 mm) wide doors. For other door widths, cut exit device to appropriate length. Recommended overall length of exit device is equal to the door width minus four inches. The surface vertical rod devices are supplied for an 84” (2134 mm) opening standard, but can be ordered for a 96” (2438 mm) opening. Extension rods are available to accommodate openings taller than 96” (2438 mm) up to 120” (3048 mm).

<table>
<thead>
<tr>
<th>Trim Functions</th>
<th>Part Number</th>
<th>Function Description</th>
<th>ANSI Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passage</td>
<td>47BE*</td>
<td>Always operable (*specify handing when ordering)</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>47BT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>47KP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classroom</td>
<td>47CE*</td>
<td>Key locks or unlocks lever (*specify handing when ordering)</td>
<td>08</td>
</tr>
<tr>
<td></td>
<td>47KE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dummy</td>
<td>47DT*</td>
<td>Pull when device is dogged down (*specify handing when ordering)</td>
<td>02</td>
</tr>
<tr>
<td></td>
<td>47KD</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>47PD</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>47RD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Night Latch</td>
<td>47NL*</td>
<td>Key retracts latchbolt (*specify handing when ordering)</td>
<td>03</td>
</tr>
<tr>
<td></td>
<td>47KN</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>47PN</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>47RN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cylinder Thumbpiece</td>
<td>47PT</td>
<td>Key locks or unlocks thumbpiece</td>
<td>05</td>
</tr>
</tbody>
</table>

Applications

Single Door (Rim Device)

Double Door with Mullion (Rim x Rim)

Double Door (SVR x SVR)

Double Door (SVR x Rim)
### 4700 SERIES - DEVICE PROFILE

#### 4700 PANIC - 36"
- A: 19 45/64 (500mm)
- B: 32 51/64 (833mm)

#### 4700 FIRE - 36"
- A: 24 29/64 (621mm)
- B: 44 51/64 (1137mm)

#### 4700 PANIC - 48"
- A: 24 29/64 (621mm)
- B: 44 51/64 (1137mm)

#### 4700 FIRE - 48"
- A: 24 29/64 (621mm)
- B: 44 51/64 (1137mm)

2 7/16" (62 mm) in undogged position
1 3/16" (30 mm) in dogged position
### 4700 SERIES EXIT DEVICE

<table>
<thead>
<tr>
<th>4701</th>
<th>RIM</th>
<th>F</th>
<th>36”</th>
<th>US3</th>
<th>2”</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

**Product Group**
4700 Series, Standard Duty

**Type**
- RIM - Rim Device
- SVR - Surface Vertical Rod

**Rating**
- F - Fire Rated
- O - Non-Fire Rated

**Size**
- 36”
- 48”
- 36” x 84”
- 36” x 96”
- 48” x 84”
- 48” x 96”

**Finish**
- US3
- US32D
- ALM
- DBZ

**Door Thickness**
- 1-5/8”
- 1-3/4”
- 2”
- 2-1/4”

### 4700 SERIES TRIM

<table>
<thead>
<tr>
<th>47</th>
<th>CE</th>
<th>RH</th>
<th>ARC</th>
<th>US3</th>
<th>2”</th>
<th>TW</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Product Group**
47 - 4700 Series, Standard Duty

**Trim/Function**
- CE - Cylinder Escutcheon
- BE - Blank Escutcheon
- NL - Night Latch
- DT - Dummy Trim
- KD - Key in Lever - Dummy Trim
- KE - Key in Lever - Entrance
- KN - Key in Lever - Night Latch
- KP - Key in Lever - Passage
- PD - Pull Plate Dummy Trim
- PN - Pull Plate Night Latch
- RD - Raised Lip Pull - Dummy Trim
- RN - Raised Lip Pull - Night Latch
- BT - Thumbpiece Pull Plate, Passage
- PT - Thumbpiece Pull Plate, Entrance

**Lever Style**
- ARC - Archer
- AIG - August
- WTN - Withnell
- APL - Apollo knob

**Handing**
- RH - Right Hand / LHR
- LH - Left Hand / RHR

**Finish**
- US3
- US32D
- ALM
- DBZ

**Door Thickness**
- 1-5/8”
- 1-3/4”
- 2”
- 2-1/4”

**Options**
- TW - Tactile Warning
- A - Antimicrobial Coating

**Notes:**
1. Handing is required for the 4700 Series trim.
2. Cylinders sold separately.
3. For more cylinder information, please refer to Cylinder, Core & Keying in the Locks section of the catalog.
4. Maximum door thickness compatibility for key-in-lever (Entrance, Night Latch, and Passage) trim is 1-3/4” (44 mm)
4700 SERIES - STANDARD DUTY RIM DEVICE

**WARRANTY**
Five-year warranty

**FEATURES**
Certification: Meets life safety codes and fire-safety requirements. See charts on page 44 for details and options.
Covers: Cast brass, bronze, stainless steel, zinc
Cover Tube: Painted steel, plated steel, stainless steel
Dogging: Hex dogging feature standard on non-fire labeled doors
End Caps: Painted steel, plated steel, stainless steel
Fasteners: • Wood and machine screws
• Thru-bolts supplied standard
Latchbolt: 3/4” (19 mm) throw, pullman type with automatic dead-latching, stainless steel
Strikes: • Stainless steel with stainless steel pin and roller - included standard with panic and fire-rated devices
• Surface applied to frame with slotted holes for easy adjustment
• Optional double door strike for use with surface vertical rod and rim devices

**SPECIFICATIONS**
Door Thickness: 1-3/4” (44 mm) - Standard
Door Width:
• 36” (914 mm) field sizeable to 30” (762 mm) door
• 48” (1219 mm) field sizeable to 36” (914 mm) door
Projection:
• 2-7/16” (62 mm) in undogged position
• 1-3/16” (30 mm) in dogged position
Stile Width:
• 4-1/2” (114 mm) - minimum stile width required for single door and 5/8” (16 mm) stop
• 4-1/2” (114 mm) - minimum stile width required for double door x surface vertical rod device with double door strike
• 5” (127 mm) - minimum stile width required for double doors with 2” (51 mm) mullion
• All stile widths are measured from door edge

Notes:
• Cylinders sold separately
• Escutcheon and thumbpiece pull plate trim is handed
• Apollo knob is not ADA compliant
• Recommended for use on appropriately reinforced doors

**TRIM**
• 4700 Series escutcheon trim for rim device is available with a variety of lever options (p. 51)
• 4700 Series key-in-trim is available with a variety of lever options plus a knob option (p. 53)
• Pull plate trim
• Raised lip pull
• Rim cylinder x optional pull

**FINISHES**
US3, US32D, ALM, DBZ
**4700 SERIES - STANDARD DUTY SURFACE VERTICAL ROD DEVICE**

**WARRANTY**
Five-year warranty

**FEATURES**
- Certification: Meets life safety codes and fire-safety requirements. See charts on page 44 for details and options.
- Covers: Cast brass, bronze, stainless steel, zinc
- Cover Tube: Painted steel, plated steel, stainless steel
- Dogging: Hex dogging feature standard on non-fire labeled doors
- End Caps: Painted steel, plated steel, stainless steel
- Fasteners:
  - Wood and machine screws
  - Thru-bolts supplied standard
- Latchbolt:
  - Top - 3/8” (9 mm) throw with automatic dead-latching, stainless steel
  - Bottom - 3/8” (9 mm) throw held retracted during door swing, stainless steel
- Strikes:
  - Stainless steel with stainless steel pin and roller - included standard with panic and fire-rated devices
  - Surface applied to frame with slotted holes for easy adjustment
  - Optional double door strike for use with surface vertical rod and rim devices
  - Optional threshold strike for use with saddle threshold

**SPECIFICATIONS**
- Door Thickness: 1-3/4” (44 mm) - Standard
- Door Width:
  - 36” (914 mm) field sizeable to 30” (762 mm) door
  - 48” (1219 mm) field sizeable to 36” (914 mm) door
- Projection:
  - 2-7/16” (62 mm) in undogged position
  - 1-3/16” (30 mm) in dogged position
- Vertical Rods:
  - Rods for 7’ (2134 mm) doors - 35-1/4” (895 mm) top rod length
  - Rods for 8’ (2438 mm) doors - 47-1/4” (1200 mm) top rod length
  - Extension rod kits available, 2’ (610 mm) or 3’ (914 mm) for doors over 7’
- Stile Width:
  - 4-1/2” (114 mm) - minimum stile width required for single door and 5/8” (16 mm) stop
  - 4” (102 mm) - minimum stile width required for double doors
  - 4-1/2” (114 mm) - minimum stile width required for double door x Rim device with double door strike
- All stile widths are measured from door edge
- Notes:
  - Escutcheon and thumbpiece pull plate trim is handed
  - Apollo knob is not ADA compliant
  - Recommended for use on appropriately reinforced doors

**TRIM**
- 4700 Series escutcheon trim for vertical rod device is available with a variety of lever options (p. 51)
- 4700 Series key-in-trim is available with a variety of lever options plus a knob option (p. 53)
- Pull plate trim
- Raised lip pull
- Rim cylinder x optional pull

**FINISHES**
US3, US32D, ALM, DBZ
4700 SERIES - ESCUTCHEON TRIM

WARRANTY

Five-year warranty

SPECIFICATIONS

Escutcheon: 1-11/16” x 7-7/8” (43 mm x 200 mm)
Handing: Specify when ordering
Door Thickness: For doors thicker than 1-3/4” or when used with a shim kit, must specify total door thickness

LEVERS

Archer, August or Withnell Levers

FINISHES

ALM, DBZ, US3, US32D

47BE
Blank Escutcheon
ANSI Function: 14 - Always operable (Passage)

47CE
Cylinder Escutcheon
ANSI Function: 08 - Key locks or unlocks lever
Cylinder: Requires 3902 mortise cylinder with standard cam (sold separately)

47DT
Dummy Trim
ANSI Function: 02 - Pull when device is dogged down

47NL
Night Latch
ANSI Function: 03 - Key retracts latchbolt
Cylinder: Requires 3902 mortise cylinder with standard cam (sold separately)
4700 SERIES - ESCUTCHEON TRIM - LEVER OPTIONS

ARCHER LEVER

AUGUST LEVER

WITHNELL LEVER
4700 SERIES - KEY-IN-LEVER TRIM

WARRANTY  | Five-year warranty

SPECIFICATIONS
Rose Diameter: | 3-3/8” (86 mm)
Notes: | Apollo knob is not ADA compliant. Best used where accessibility is not an issue.

LEVERS/KNOB | Archer, August or Withnell Levers; Apollo Knob (47KE, 47KN, US32D only)

FINISHES | ALM, DBZ, US3, US32D

47KD
Key-in-Lever Dummy Trim
ANSI Function: 02 - Entrance by trim when actuating bar is locked down

47KE
Key-in-Lever Entrance
ANSI Function: 08 - Entrance by lever; key locks or unlocks lever
Cylinder: • Standard core, C keyway - Standard
• Small Format Interchangeable Core available. 3981 or 3982 core sold separately.
Keys: Two (2) brass keys per lock

47KN
Key-in-Lever Night Latch
ANSI Function: 03 - Entrance by trim when latchbolt is released by key; key is removable when locked
Cylinder: • Standard core, C keyway - Standard
• Small Format Interchangeable Core available. 3981 or 3982 core sold separately.
Keys: Two (2) brass keys per lock

47KP
Key-in-Lever Passage
ANSI Function: 14 - Entrance by trim when latchbolt is released by lever; always active, no cylinder

Notes: Apollo knob is not ADA compliant. Best used where accessibility is not an issue.
4700 SERIES - KEY-IN-LEVER TRIM - LEVER AND KNOB OPTIONS

ARCHER LEVER

AUGUST LEVER

WITHNELL LEVER

APOLLO KNOB
4700 SERIES - PULL PLATE TRIM

SPECIFICATIONS

Escutcheon:  
• 47BT and 47PT - 3” x 14-5/8” (76 mm x 371 mm)  
• 47PD and 47PN - 3” x 11” (76 mm x 279 mm)

Projection: 1-3/4” (44 mm)

Pull CTC: 5-1/2” (140 mm)

FINISHES

• 47PD and 47PN - ALM, DBZ, US3, US32D  
• 47BT and 47PT - US32D

47PD  
Dummy Trim  
ANSI Function: 02 - Pull when device is dogged down

47PN  
Night Latch  
ANSI Function: 03 - Key retracts latchbolt
Cylinder: Requires 3901 rim cylinder (sold separately)
Notes: Supplied with retaining cup for use with 161 door prep

47BT  
Passage  
ANSI Function: 15 - Entrance by trim when latch is released by thumbpiece. Thumbpiece is always active.
Handing: Specify when ordering

47PT  
Entrance  
ANSI Function: 05 - Entrance by thumbpiece. Key locks or unlocks thumbpiece.
Cylinder: Requires 3902 mortise cylinder 1-1/8” to 1-3/8” with standard cam (sold separately)
Handing: Specify when ordering

Escutcheon:
• 47BT and 47PT - 3” x 14-5/8” (76 mm x 371 mm)  
• 47PD and 47PN - 3” x 11” (76 mm x 279 mm)

Projection: 1-3/4” (44 mm)

Pull CTC: 5-1/2” (140 mm)

FINISHES

• 47PD and 47PN - ALM, DBZ, US3, US32D  
• 47BT and 47PT - US32D

47PD  
Dummy Trim  
ANSI Function: 02 - Pull when device is dogged down

47PN  
Night Latch  
ANSI Function: 03 - Key retracts latchbolt
Cylinder: Requires 3901 rim cylinder (sold separately)
Notes: Supplied with retaining cup for use with 161 door prep

47BT  
Passage  
ANSI Function: 15 - Entrance by trim when latch is released by thumbpiece. Thumbpiece is always active.
Handing: Specify when ordering

47PT  
Entrance  
ANSI Function: 05 - Entrance by thumbpiece. Key locks or unlocks thumbpiece.
Cylinder: Requires 3902 mortise cylinder 1-1/8” to 1-3/8” with standard cam (sold separately)
Handing: Specify when ordering
4700 SERIES - RAISED LIP TRIM

SPECIFICATIONS
Size: 3" x 7-3/4" (76 mm x 197 mm)
Projection: 1" (25 mm)

FINISHES
ALM, DBZ, US3, US32D

47RD
Raised Lip Pull Dummy
Function: 02 - Pull when device is dogged down

47RN
Raised Lip Pull Night Latch
Function: 03 - Key retracts latchbolt
Cylinder: Requires the use of a Rim cylinder, 3901, sold separately
Notes: Retaining cup, 2-649-0137, included for 161 door prep

4700 SERIES - STRIKES

4910
Strike
Included standard with 4700 Series
Panic - Rated RIM exit device
Finish: US32D

4910-F
Strike
Included standard with 4700 Series
Fire - Rated RIM exit device
Finish: US32D

4911
Double Door Strike
Optional strike for use with 4700 Series
Surface Vertical Rod and Rim exit device
Finish: US32D
Notes: Not for fire-rated doors

4913
Top Strike
Included standard with 4700 Series
Surface Vertical Rod exit device
Finish: US32D
Notes: For use with panic- or fire-rated doors

4914
Bottom Strike
Included standard with 4700 Series
Surface Vertical Rod exit device
Finish: US32D
Notes: For use with panic- or fire-rated doors

4915
Threshold Strike
Optional strike for use with surface vertical rod exit device and saddle threshold.
Finish: US32D
Notes: Not for fire-rated doors
4917
Bottom Latch Assembly
For use with 4700 Surface Vertical Rod exit device; not for fire-rated doors
Finishes: US3, ALM, DBZ, US32D
Packaging: One (1) bottom latch with cover and appropriate fasteners

4918
Top Latch Assembly
For use with 4700 Surface Vertical Rod exit device
Finishes: US3, ALM, DBZ, US32D
Packaging: One (1) top latch with cover and appropriate fasteners

4919
Top or Bottom Rod Replacement Kit
For use with 4700 Surface Vertical Rod exit device
Finishes: US3, ALM, DBZ, US32D
Packaging: One (1) each
- 47-1/4” (1200 mm) rod, rod guide, rod connector assembly, and appropriate fasteners

4931R
Shim Kit
To be used with 4700 Rim exit devices where a glass bead kit or molding would interfere with exit device
Finishes: US3, ALM, DBZ, US32D
Packaging: Two (2) each 1/8” (3 mm) shims and appropriate fasteners

4931S
Shim Kits
To be used with 4700 Series Surface Vertical Rod exit devices where a glass bead kit or molding would interfere with exit device
Finishes: US3, ALM, DBZ, US32D
Packaging: Two (2) each 1/8” (3 mm) shims and appropriate fasteners

4933R
Head Cover
For use with 4700 Series Rim exit device
Finishes: US3, ALM, DBZ, US32D
Packaging: One (1) head cover with four (4) each M4 x 6 mm MS

4933S
Head Cover
For use with 4700 Series Surface Vertical Rod exit device
Finishes: US3, ALM, DBZ, US32D
Packaging: One (1) head cover with four (4) each M4 x 6 mm MS
**4700 SERIES - ACCESSORIES**

### 4934
#### Panic-Rated Dogging Plate
For use with 4700 Series exit devices  
**Finishes:** US3, ALM, DBZ, US32D  
**Packaging:** One (1) each dogging plate  
**Notes:** Not for use on fire-rated device

### 4934F
#### Fire-Rated Dogging Plate
For use with 4700 Series exit devices  
**Finishes:** US3, ALM, DBZ, US32D  
**Packaging:** One (1) each dogging plate

### 4936
#### 24” Extension Rod Kit
For use with 4700 Series Surface Vertical Rod exit device  
**Finishes:** US3, ALM, DBZ, US32D  
**Packaging:** One (1) each  
24” (610 mm) extension rod, rod connector, rod guide, plus wood and machine screws  
**Notes:** Threaded on both ends; if cuts are required, cut the standard top rod on non-threaded end.

### 4937
#### 36” Extension Rod Kit
For use with 4700 Series Surface Vertical Rod exit device  
**Finishes:** US3, ALM, DBZ, US32D  
**Packaging:** One (1) each 36” (914 mm) extension rod, rod connector, rod guide, plus wood and machine screws  
**Notes:** Threaded on both ends; if cuts are required, cut the standard top rod on non-threaded end.

### END CAP
For use with all 4700 Series exit devices  
**Packaging:** One (1) each cap and bracket plus fasteners  
**Finishes:**  
- ALM (2-649-0144)  
- DBZ (2-649-0145)  
- US3 (2-649-0146)  
- US32D (2-649-0147)
Hager 4900 Series offers both a keyed removable mullion and a non-keyed removable mullion. Both are designed for use on double door openings with 4500, 4600 and 4700 Series Rim devices providing increased security and tighter closure, while providing easy adaptation for full width access. Our 4900 Series Mullions sets include a mullion tube, top and bottom brackets, and fasteners. Fire-rated mullions are UL listed for 3 hours on fire-rated pairs of doors up to 8 feet by 8 feet.
### 4900 SERIES MULLION SETS

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#### Product Group
4900 Series, Mullions

#### Fire Rating
- **F** - Fire Rated
- **0** - Non-Fire Rated

#### Finish
- **USP**

#### Size
- 84”
- 96”
- 10’ (120”)

### Notes:
1. Keyed removable mullion requires 3901 rim cylinder (sold separately).
2. Fire rated strike and hook kits sold separately (4912 for use with 4500 Series fire-rated exit device and mullion or 4916 for use with 4700 Series fire-rated exit device and mullion).
3. Stabilizer kit 4953 (sold separately).
4900 SERIES - KEYED REMOVABLE MULLION

WARRANTY
One-year warranty

SPECIFICATIONS
Certification: UL/cUL/Warnock Hersey listed for fire-rated doors up to 8’ (2438 mm) x 8’ (2438 mm)

Cylinders:
- Solid brass 6-pin rim cylinders (3901, sold separately)
- Standard core, C keyway - Standard
- Small Format Interchangeable Core available (sold separately)

Mullion:
2” x 3” (51 mm x 76 mm) – 11 gauge steel tube

Fasteners:
- Four (4) 8 - 32 x 3/4” (19 mm) FPHMS
- Four (4) 5/16” - 18 x 5/8” (16 mm) FPHMS
- Two (2) 5/16” - 18 x 1-1/2” (38 mm) FPHMS
- Two (2) 3/8” wedge anchors

Shims:
- 1/2” (13 mm) and 5/8” (16 mm) spacers included (top)
- 1/8” (4 mm) shims included (bottom)

 Strikes:
- Panic-rated mullions use standard Rim strike supplied with exit device
- Fire-rated strike and hook kit 4912 (4500 or 4600 Series) or 4916 (4700 Series) must be purchased separately

Top Fitting:
- Dead latch on fire-rated device
- Latching head allows the mullion to be removed in seconds
- Mullion can be locked in place without the use of a key

FINISHES
USP - grey primer only

4900T Mullion Set
Certification: Panic-rated
Opening Height: 84” (2134 mm), 96” (2438 mm), 120” (3048 mm)
Material: 11 gauge steel tube

4900TF Fire-Rated Mullion Set
Certification: UL fire-rated
Opening Height: 84” (2134 mm), 96” (2438 mm)
Material: 11 gauge steel tube
## 4900 SERIES - NON-KEYED REMOVABLE MULLION

### WARRANTY
One-year warranty

### SPECIFICATIONS

**Certification:** UL/cUL Listed for fire-rated pairs of doors up to 8’ (2438 mm) X 8’ (2438 mm)

**Mullion:**
- 2” x 3” (51 mm x 76 mm) – 11 gauge steel tube
- Mullion easily removed by loosening top and bottom screws

**Fasteners:**
- Four (4) each 5/16” - 18 x 5/8” FHPMS (top bracket)
- Two (2) each 5/16” - 18 x 1-1/2” FHPMS (top bracket)
- Four (4) each 5/16” - 18 x 1-1/2” FHMS (bottom bracket)*
- Four (4) each 5/16” - 18 masonry anchors (5/8” diameter x 7/8” long) (bottom bracket)**
- Two (2) each 1/4” - 20 x 1-1/4” FHPMS (top fitting)
- Two (2) each 1/4” - 20 thru bolts (top fitting)
- Two (2) #10 - 24 x 3/8” FHPMS (top fitting)
- One (1) 1/4 - 20 x 3/16” set screw (top fitting)
- Fire-rated device - 5/16” - 18 x 1-1/4” FHMS, 5/16” - 18 masonry anchors (1/2” diameter x 1-1/2” long)

**Shims:**
- Two (2) each 1/2” (13 mm) and 5/8” (16 mm) spacers included (top)
- Two (2) 1/16” (1.6 mm) shims included (bottom)

**Strikes:**
- Panic-rated mullions use standard Rim strike supplied with exit device
- Fire-rated strike and hook kit 4912 (4500 or 4600 Series) or 4916 (4700 Series) must be purchased separately

### FINISHES
USP - grey primer only

### 4900U

**Non-Keyed Removable Mullion Set**

- **Certification:** Panic-rated
- **Opening Height:** 84” (2134 mm), 96” (2438 mm), 120” (3048 mm)
- **Material:** 11 gauge steel tube

### 4900UF

**Fire-Rated Non-Keyed Removable Mullion Set**

- **Certification:** UL fire-rated*
- **Opening Height:** 84” (2134 mm), 96” (2438 mm)
- **Material:** 11 gauge stainless steel tube
4912
Fire-Rated Strike and Hook Kit for 4500 and 4600 Series
Finishes: US32D
Notes: Must order for use with fire-rated mullion and fire-rated Rim devices to ensure fire rating

4916
Fire-Rated Strike and Hook Kit for 4700 Series
Finishes: US32D
Notes: Must order for use with fire-rated mullion and fire-rated Rim devices to ensure fire rating

4953
Mullion Stabilizer Kit
Finishes: US32D
Notes: For use with mullion and exit devices for added security

4902
Top/Bottom Bracket Set
Certification: Non-fire-rated
Function: Keyed removable
Materials: Steel
Fasteners: Two (2) each MS #5/16 -18 x 1-1/2” FHP stainless; four (4) each MS #8-32 x 3/4” 100 degree FHP; four (4) each MS #5/16-18 x 5/8” FHP stainless zinc plated
Cylinder: Rim cylinder, 3901, sold separately

4902F
Fire-Rated Top/Bottom Bracket Set
Certification: Fire-rated
Function: Keyed removable
Materials: Steel
Fasteners: Two (2) each MS #5/16 - 18 x 1-1/2” FHP stainless; four (4) each MS #10 x 1” Type A FHP undercut stainless; four (4) each MS 10 - 24 x 5/8” FHP undercut stainless; four (4) each MS #5/16 - 18 x 5/8” FHP stainless zinc plated
Cylinder: Rim cylinder, 3901, sold separately

3901
Rim Cylinder
Conventional cylinder and Small Format Interchangeable Core sold separately. For more cylinder information, please refer to Cylinder, Core & Keying in the Lock section of this catalog.

4907
Mullion Tube
Certification: Fire-rated up to 96” (2438 mm)
Function: Keyed removable
Opening Height: 84” (2134 mm), 96” (2438 mm), 120” (3048 mm)
Finishes: USP grey primer
Materials: Steel
4900 SERIES - 4900U ACCESSORIES

4904
Top/Bottom Bracket Set
Certification: Non-fire-rated
Function: Non-keyed removable
Materials: Steel

4904F
Fire-Rated Top/Bottom Bracket Set
Certification: Fire-rated
Function: Non-keyed removable
Materials: Steel

4905
Mullion Tube
Certification: Fire-rated up to 96” (2438 mm)
Function: Non-keyed removable
Opening Height: 84” (2134 mm), 96” (2438 mm), 120” (3048 mm)
Finishes: USP grey primer
Materials: Steel