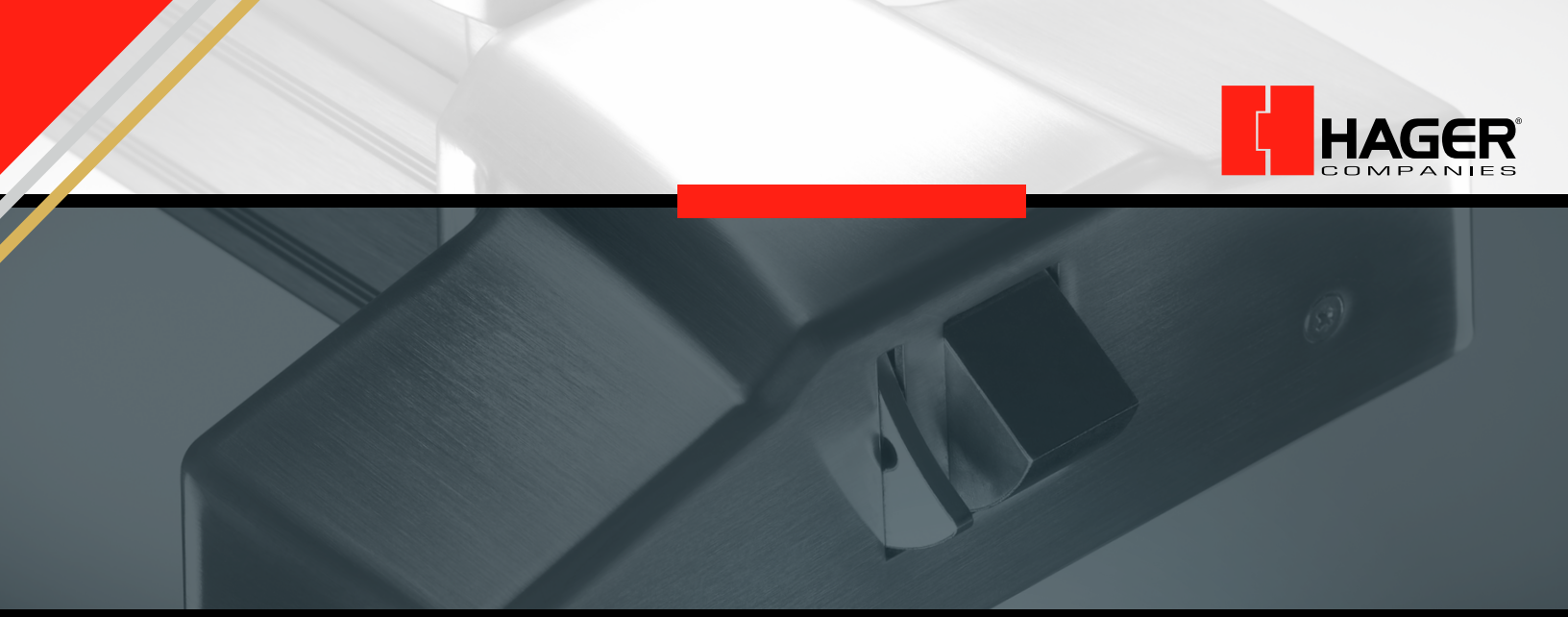


Exit Devices

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-rated hardware and comply with ANSI A117.1 for accessible buildings and facilities. Many models are also Fire-rated and 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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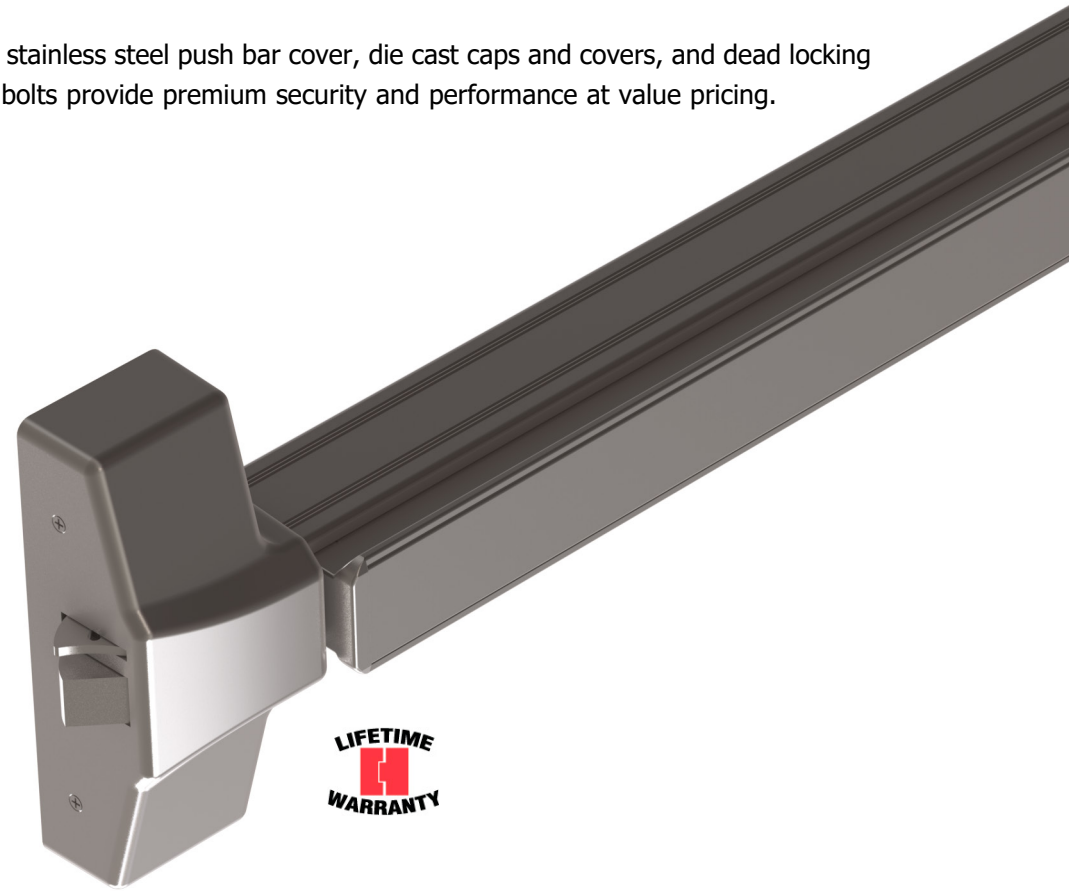
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4500 Series - Heavy Duty Commercial Application

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 - Compliance & Certifications

4500 SERIES DEVICES

	RIM	SVR	LBR	CVR	CLB	MOR
BHMA Certified ANSI/BHMA A156.3-2014 Grade 1	YES	YES	YES	YES	YES	YES
UL305 Listed for Panic Hardware	YES	YES	YES	YES	YES	YES
UL10C Positive Pressure Rated	YES	YES	YES	YES	YES	YES
UL10B Neutral Pressure Rated	YES	YES	YES	YES	YES	YES
Complies with ANSI A117.1 for Accessible Buildings and Facilities	YES	YES	YES	YES	YES	YES
ANSI A 250.13 Severe Windstorm Resistant Component	YES	YES	---	---	---	---
Miami Dade NOA #17-1219.14	YES	YES	---	---	---	---

4500 SERIES FIRE-RATED DEVICES

	RIM F	SVR F	LBR F	CVR F	CLB F	MOR F
UL/cUL Listed for "A" Label Door Up to and Including...	3 HR 4'X8'	3 HR 4'X10'	---	3 HR 4'X10'	---	3 HR 4'X8'
Rim with Fire-rated Removable Mullion 4900UF UL/cUL Listed and Warnock Hersey Listed for "A" Label Door Up to and Including...	3 HR 8'X8'	---	---	---	---	---
VR X VR SAME DIRECTION* UL/cUL Listed for "A" Label Door Up to and Including...	---	3 HOUR 8'X10'	3 HOUR 8'X8'	3 HOUR 8'X10'	3 HOUR 8'X8'	---
VR X VR Double Egress UL/cUL Listed for "A" Label Door Up to and Including...	---	3 HR 8'X10'	3 HR 8'X8'	3 HR 8'X10'	3 HR 8'X8'	---

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.

Dogging

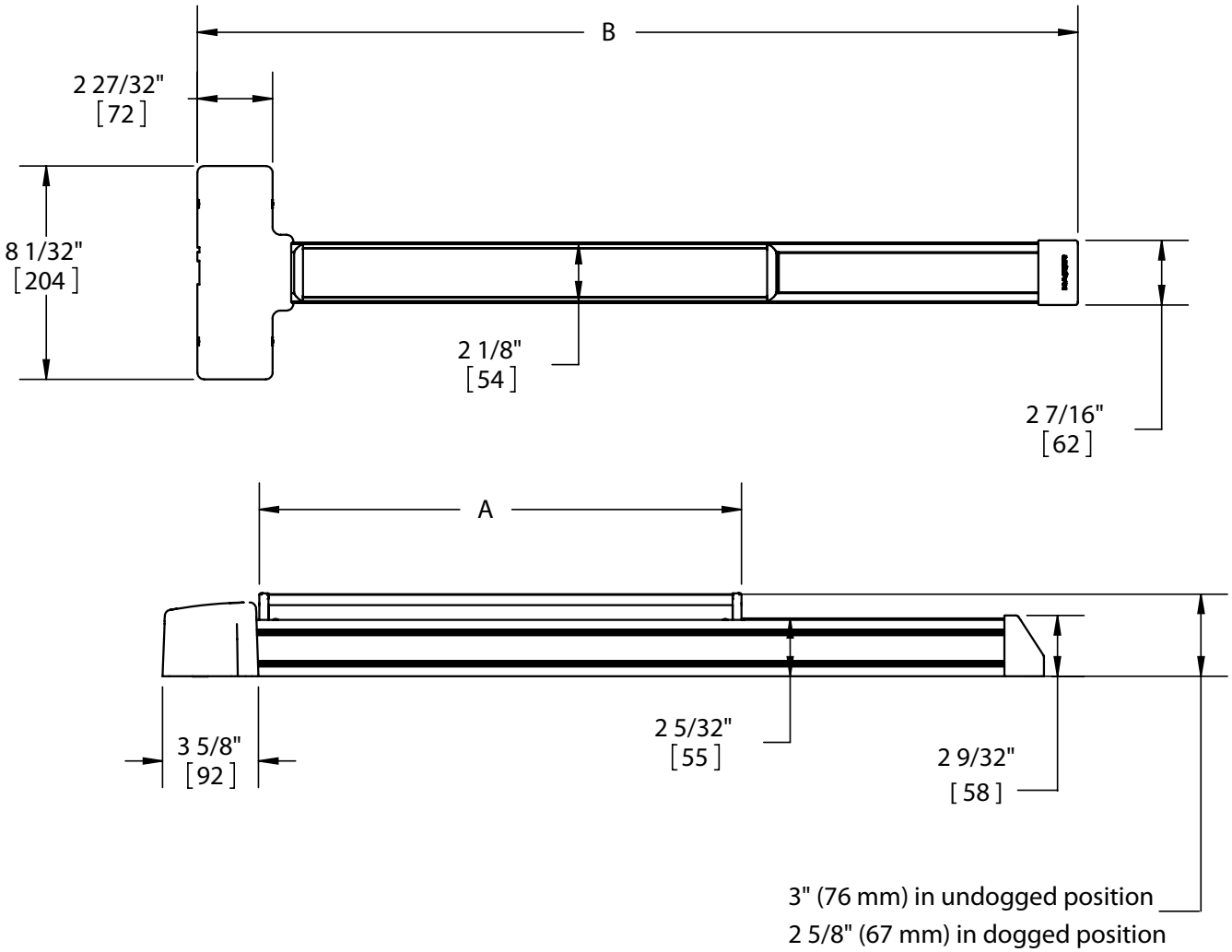
Cylinder dogging or less dogging are available to replace the standard hex key dogging on panic exit devices. For cylinder dogging, specify CD on order or purchase 4926 for retrofit applications. Unit requires 1-1/8" (29mm) - 1-3/8" (35mm) mortise cylinder (part number 3902) with standard cam. For less 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).

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

4500 Series - Device Profiles



4500 SERIES	A	B
4500 PANIC - 36"	18 5/32"(461mm)	33 5/32"(842mm)
4500 FIRE -36"		
4500 PANIC - 48"	24"(611mm)	44"(1121mm)
4500 FIRE - 48"		

4500 SERIES EXIT DEVICE

4501 | **RIM** | **FR** | **36”** | **US3** | **1-3/4”** | **ALK**

Product Group
4500 Series, Grade 1

Type
- RIM - Rim Device
- SVR - Surface Vertical Rod
- LBR - Surface Vertical Rod Less Bottom Rod
- CVR - Concealed Vertical Rod
- CLB - Concealed Vertical Rod Less Bottom Rod
- DMY - Dummy Push Pad
- MRT - Mortise Device (MC, MB, MD)
- MRTN - Mortise Night Latch Device (MN)

Rating
- FR - Fire-Rated
- 0 - Non-Fire Rated
- CD - Cylinder Dogging
- CDW - Cylinder Dogging and Windstorm Rated
- L - Less Dogging
- WR - Windstorm Rated
- FW - Windstorm and Fire-Rated

Door Size*
24”*
36”
48”
36” x 84”
36” x 96”
48” x 84”
48” x 96”

Finish
US3
US4
US10B
US26
US26D
US32D
BLK

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

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
- LM - Latchbolt Monitor
- RX - Request to Exit
- RX2 - Dual Request to Exit
- RXAI - Request to Exit w/ Authorized Ingress**
- RXLM - 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 w/Latchbolt Monitoring**
- MLRXLM - Motor Driven Electric Latch Retraction w/Request to Exit & Latchbolt Monitoring**
- ELEU - Fail Secure/Fail Safe, 12/24 Volt6

4500 SERIES TRIM

45 | **CE** | **ARC** | **RHR** | **US3** | **1-3/4”** | **TW**

Product Group
45 - 4500 Series, Grade 1

Trim/Function
- BE - Blank Escutcheon Function 14, always operable
- CE - Cylinder Escutcheon Function 08, key locks/unlocks
- DT - Dummy Trim Function 02, pull when dogged down
- ET - Electric Escutcheon Trim (E05/E06)
- NL - Night Latch (1-3/4” to 2-1/2” doors) Function 03, key retracts latchbolt
- PD - Pull Plate Dummy Trim (Not available for CVR device) Function 02, pull when dogged down
- PN - Pull Plate Night Latch (Not available for CVR device) Function 03, key retracts latchbolt
- PT - Thumbpiece Entrance (Not available for CVR device) Function 05, key locks or unlocks thumbpiece
- MB - Mortise Blank Escutcheon (14) Function 14, always operable
- MC - Mortise Cylinder Escutcheon (08) Function 08, key locks/unlocks
- MD - Mortise Dummy Trim (02) Function 02, pull when dogged down
- MN - Mortise Night Latch (03) Function 03, key retracts latchbolt

Lever Style
- ARC - Archer
- AUG - August
- WLM- William
- WTN - Withnell
- CHA - Charles
- JHN - Johnston
- JOS- Joshua
- WRN - Warren

Handing
RHR
LHR

Finish
US3
US4
US10B
US26
US26D
US32D (pull plate trim only)
BLK

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

Options
- TW - Tactile Warning
- A- Antimicrobial Coating (US26D and US32D only)

*24" door size available with extended lead times.

**Not available on Mortise Exit Devices.

Notes:
a. For more cylinder information, please refer to Cylinder, Core & Keying in the Locks section of the catalog.
b. If using shim kit, specify total door thickness including shims.

4500 Series - Grade 1 Rim Device

WARRANTY

Lifetime warranty

FEATURES



Certification:	BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements.
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 mortise cylinder with standard cam sold separately. Cylinder Length of 1-1/8" (29mm) - 1-3/8" (35mm) is required.)
End Cap:	Flush (Zinc)
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 • Where fire rated rim x rim x mullion is used order 4912 Strike and Hook Kit
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	• US3, US4, US10B, US26, US26D, US32D, BLK • 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:

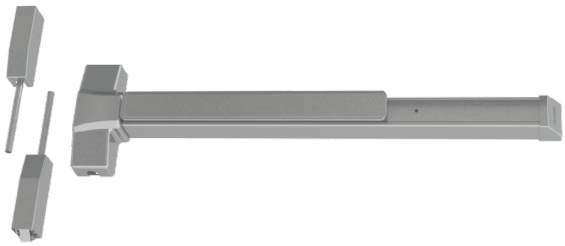
- 36" (914 mm) field sizeable to 30" (762 mm) panic-rated door and 28" (711 mm) fire-rated door for devices with any monitoring switches
- 48" (1219 mm) field sizeable to 36" (914 mm) panic- or fire-rated door for devices with any monitoring switches
- 36" (914mm) field sizeable to 34" (864mm) door minimum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

- RX - Request to Exit (field installation kit 2-649-5001)
- RX2 - Dual Request to Exit
- ALK - Alarm Kit (kit 4940)
- 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
- AI - Authorized Ingress
- RXAI - Request to Exit with Authorized Ingress
- 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 w/Request to Exit and Latchbolt Monitoring
- MLRLM - Motor Driven Electric Latch Retraction w/Latchbolt Monitoring
- DE - Delayed Egress (must order wall mount controller 2-679-0630 separately) Onboard
- OBDE - Delayed Egress (requires Mortise Cylinder 3902 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.
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 mortise cylinder with standard cam sold separately. Cylinder Length of 1-1/8" (29mm) - 1-3/8" (35mm) is required.)
End Cap:	Flush (Zinc)
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 is offered with variety of lever options • Pull plate trim (excluding 45PT) • Vandal resistant • Rim cylinder x optional pull
FINISHES	• US3, US4, US10B, US26, US26D, US32D, BLK • 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



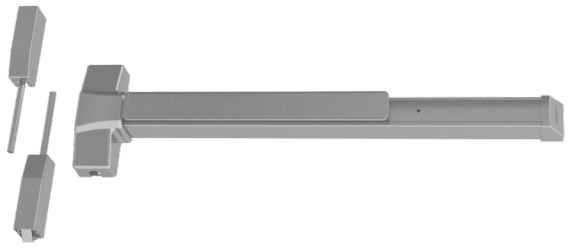
FEATURES

Certification:	BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements.
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 mortise cylinder with standard cam sold separately. Cylinder Length of 1-1/8" (29mm) - 1-3/8" (35mm) is required.)
End Cap:	Flush (Zinc)
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 is offered with a variety of lever options • Pull plate trim (excluding 45PT) • Vandal resistant • Rim cylinder x optional pull
FINISHES	• US3, US4, US10B, US26, US26D, US32D, BLK • Trim is not available in US32D • Anti-Microbial available with US26D, US32D

4500 Series - Grade 1 Surface Vertical Rod/LBR Devices - Electrified



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" (914mm) field sizeable to 34" (864mm) door minimum for devices with motorized electric latch retraction or delayed egress
- 36" (914mm) door minimum for devices with alarm kit, delayed egress, or onboard delayed egress
- 48" (1219mm) field sizeable to 42" (1067mm) door minimum for devices with 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

- RX - Request to Exit (field installation kit 2-649-5001)
- RX2 - Dual Request to Exit
- ALK - Alarm Kit (kit 4940)
- 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
- AI - Authorized Ingress
- RXAI - Request to Exit with Authorized Ingress
- 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 w/Request to Exit and Latchbolt Monitoring
- MLRLM - Motor Driven Electric Latch Retraction w/Latchbolt Monitoring
- DE - Delayed Egress (must order wall mount controller 2-679-0630 separately) Onboard
- OBDE - Delayed Egress (requires Mortise Cylinder 3902 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 Concealed Vertical Rod



WARRANTY

Lifetime warranty

FEATURES

Certification:	BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements.
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 mortise cylinder with standard cam sold separately. Cylinder Length of 1-1/8" (29mm) - 1-3/8" (35mm) is required.)
End Cap:	Flush (Zinc)
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

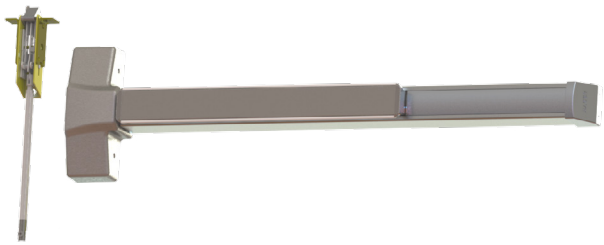
SPECIFICATIONS

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 is offered with a variety of lever options (pp. 22-23) • Vandal resistant • Rim cylinder x optional pull
FINISHES	• US3, US4, US10B, US26, US26D, US32D, BLK • Trim is not available in US32D • Anti-Microbial available with US26D, US32D

4500 Series - Grade 1 Concealed Vertical Rod - Less Bottom Rod (CLB)

WARRANTY

Lifetime warranty



FEATURES

Certification:	BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements.
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 mortise cylinder with standard cam sold separately. Cylinder Length of 1-1/8" (29mm) - 1-3/8" (35mm) is required.)
End Cap:	Flush (Zinc)
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	• US3, US4, US10B, US26, US26D, US32D, BLK • Trim is not available in US32D • Anti-Microbial available with US26D, US32D

4500 Series - Grade 1 Concealed Vertical Rod/CLB Devices - Electrified

WARRANTY

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

FEATURES

Same as 4500 Series CVR 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

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

FUNCTIONS

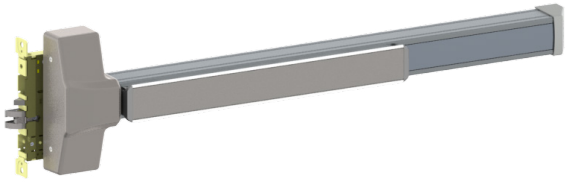
- ED - Electric Dogging
- RX - Request to Exit (field installation kit 2-649-5001)
- RX2 - Dual Request to Exit
- EDRX - Electric Dogging with Request to Exit
- ALK - Alarm Kit (kit 4940)
- ALM - Alarm Kit with Latch Monitor Switch (2-649-0168)
- ALT - Alarm Kit with Tamper Switch (2-649-1090)
- ALL - Alarm Kit with Latch Monitor and Tamper Switch
- AI - Authorized Ingress
- RXAI - Request to Exit with Authorized Ingress
- 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 w/Request to Exit and Latchbolt Monitoring
- MLRLM - Motor Driven Electric Latch Retraction w/Latchbolt Monitoring
- DE - Delayed Egress (must order wall mount controller 2-679-0630 separately) Onboard
- OBDE - Delayed Egress (requires Mortise Cylinder 3902 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 Mortise Device

WARRANTY Lifetime warranty

FEATURES



Certification:	BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements.
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 mortise cylinder with standard cam sold separately. Cylinder Length of 1-1/8" (29mm) - 1-3/8" (35mm) is required.)
End Cap:	Flush (Zinc)
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

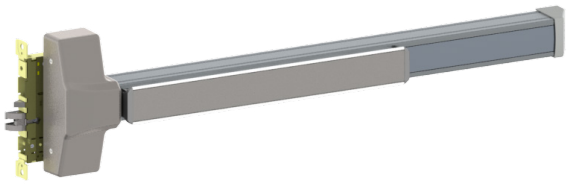
SPECIFICATIONS

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. 24) (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	• US3, US4, US10B, US26, US26D, US32D, BLK • 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

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 alarm kit, delayed egress or onboard delayed egress
- 48" (1219mm) field sizeable to 42" (1067mm) door minimum for devices with 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

- ELEU - Electrified Mortise Exit Device - provides means of locking/unlocking outside lever trim control remotely
- RX - Request to Exit
- RX2 - Dual Request to Exit
- ALK - Alarm Kit (kit 4940 • 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
- 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 Mortise Cylnder 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 - Dummy Push Pad

WARRANTY	Lifetime warranty
FEATURES	
Application:	For use with 4500 and 4600 Series Exit Devices
Cover Tube:	Aluminum
End Cap:	Flush (Zinc)
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	• US3, US10B, US26D, US32D, BLK • Anti-Microbial available with US26D, US32D

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

FUNCTION	#	DESCRIPTION
Request to Exit	RX	Used to shunt an alarm, activate an alarm, provide release of magnetic locks, or signal a console.
Dual Request to Exit	RX2	Features two SPDT switches
Latchbolt Monitoring	LM	An internal SPDT switch that monitors the latchbolt to signal both egress and access of an opening.
Latchbolt Monitoring/ Request to Exit	RXLM	Two internal SPDT switches that monitor the latchbolt and the pushbar simultaneously.
Electric Trim	ET	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).
Authorized Ingress/Key Monitoring	AI	An internal SPDT switch that monitors the operation of the outside trim. Must be ordered with the device.
Request to Exit/ Authorized Ingress	RXAI	Two internal SPDT switches that monitor the pushbar and the outside trim simultaneously. Must be ordered with the device.
OnBoard Delayed Egress	OBDE	Delays egress for 15 seconds (30 seconds optional) when unauthorized egress is initiated. Modification can be made to 4501 exit devices.
Delayed Egress	DE	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.
Motor Driven Electric Latch Retraction	MLR	Provides the means of locking or unlocking exit devices remotely using an electric motor. Recommend Hager 2903 or 2904 Power Supply.
Motor Driven Electric Latch Retraction with Request to Exit	MLRX	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.
Motor Driven Electric Latch Retraction with Request to Exit and Latchbolt Monitoring	MLRXLM	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.
Motor Driven Electric Latch Retraction with Latchbolt Monitoring	MLRLM	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.
Electrified Mortise Exit Device	ELEU	Provides the means of locking or unlocking outside lever trim controls remotely. Field selectable between Fail Safe (EL) or Fail Secure (EU). Works with both 12V and 24V.

ELECTRICAL SPECIFICATION/RATINGS AND WIRE REQUIREMENTS

Electrical Specification/ Ratings:

- 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
- ELEU; 12 or 24V, 250 mA Inrush, 10mA 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 AI, ED, LM, MLR, and RX

POWER SUPPLIES

For power supply options see electrified section.

ALARMED 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

US3, US4, US10B, US26, US26D (Not Available in US32D), BLK
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)



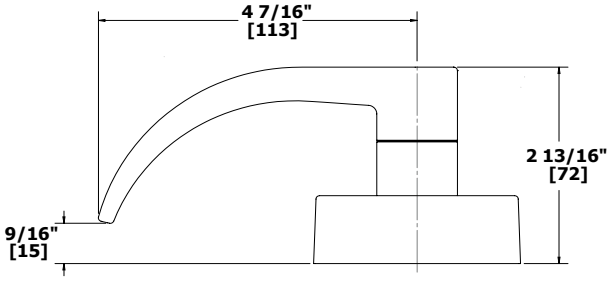
45ET
Electrified Trim (Free-wheeling when locked)
ANSI Function: 45ET ELEU 12/24V - Electric Trim (Fail Safe/Fail Secure)
Cylinder: Requires 3902 mortise cylinder, 1-1/4" with standard cam (sold separately)

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

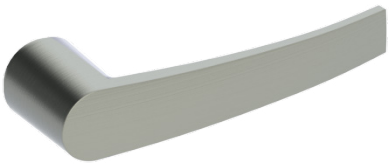
4500 Series - Escutheon Trim - Lever Options for 4500 Rim & Vertical Rod Devices

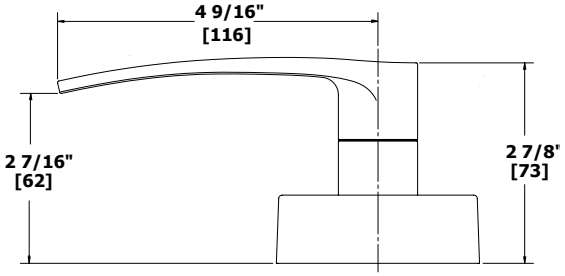
ARCHER LEVER



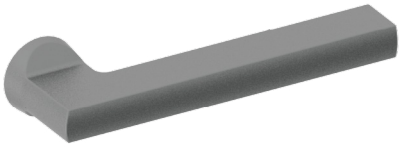


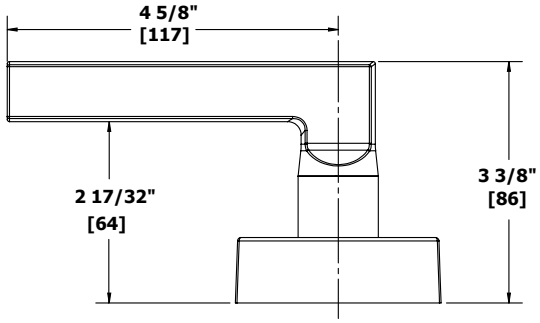
AUGUST LEVER





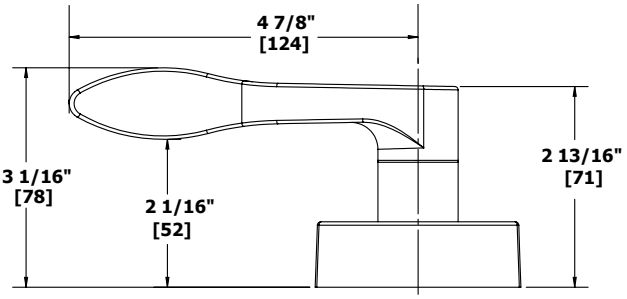
CHARLES LEVER



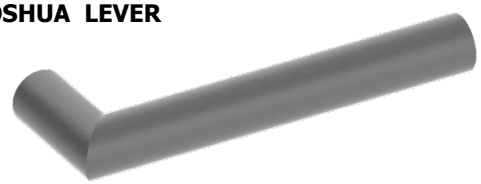


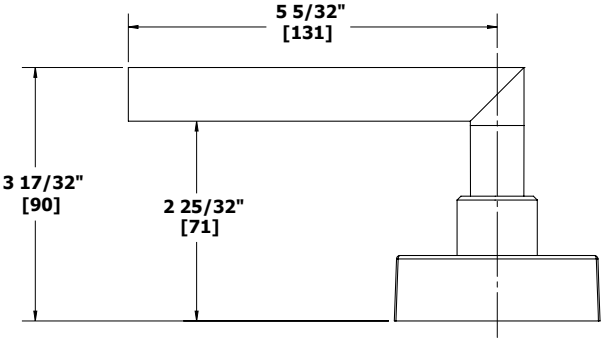
JOHNSTON LEVER - HANDED





JOSHUA LEVER

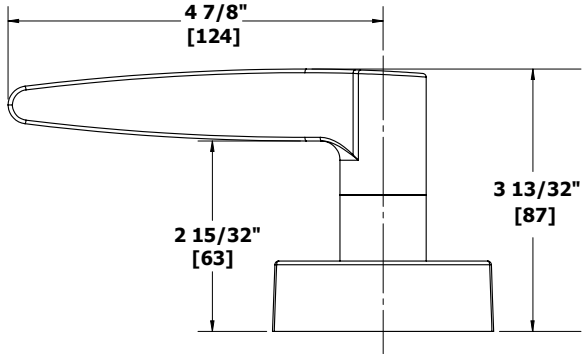




4500 Series - Escutcheon Trim - Lever Options For 4500 Rim & Vertical Rod Devices

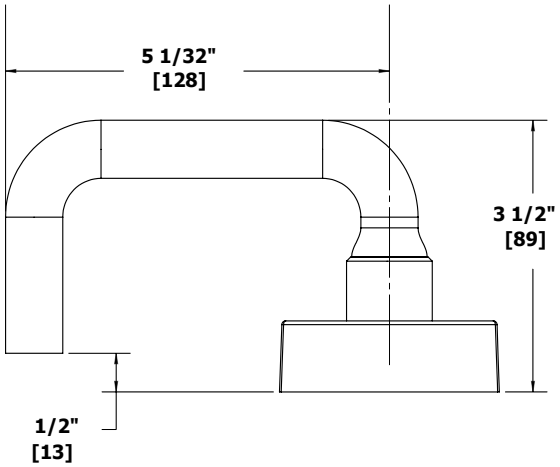
WARREN LEVER - HANDED



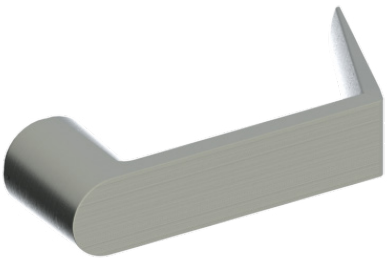


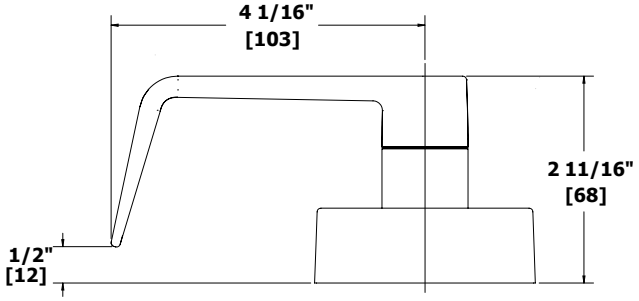
WILLIAM LEVER





WITHNELL LEVER





4500 Series - Escutcheon Trim - For 4500 Mortise Device

WARRANTY

- 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

- US3, US4, US10B, US26, US26D, (Not Available in US32D), BLK
- 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)



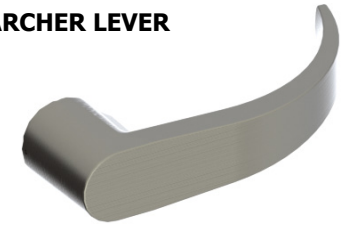
45MD
Dummy Trim - For Use with 4501M Mortise Exit Device
ANSI Function: 02 - Pull when device is dogged down

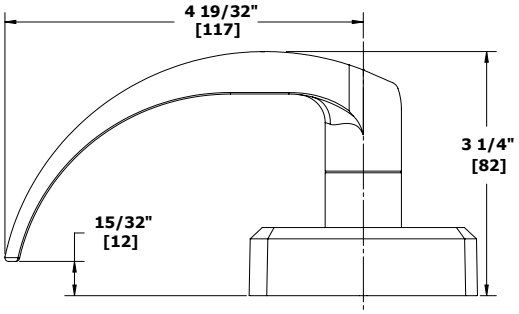


45MN
Night Latch - For Use with 4501N Mortise Exit Device
ANSI Function: 03 - Key retracts latchbolt
Cylinder: Requires 3902, 1-5/8" mortise cylinder with standard cam (sold separately)

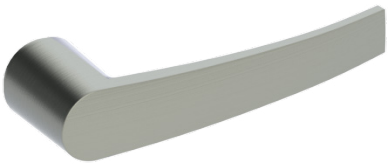
4500 Series - Escutcheon Trim - Lever Options for 4500 Mortise Device

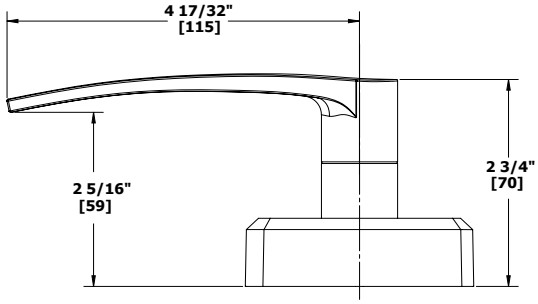
ARCHER LEVER





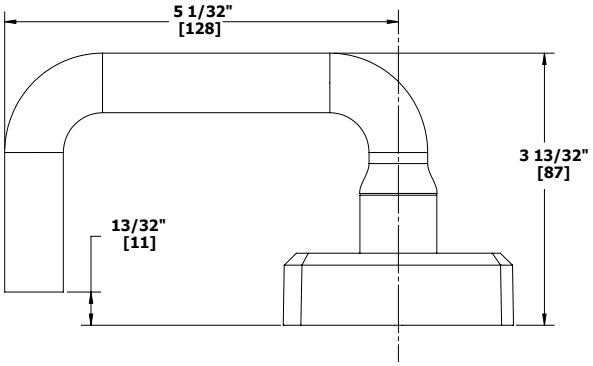
AUGUST LEVER



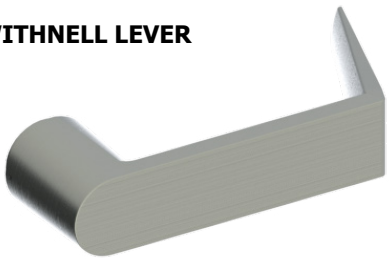


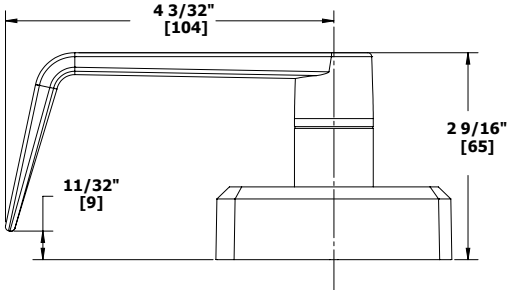
WILLIAM LEVER





WITHNELL LEVER





4500 Series - Pull Plate Trim

SPECIFICATIONS (45PD, 45PN, 45PT)

Plate:	3" x 14" (76 mm x 356 mm)
Projection:	1-3/4" (44 mm)
Pull CTC:	5-1/2" (140 mm)



45PD
Dummy Trim

ANSI Function:	02 - Pull when device is dogged down
Finishes:	US3, US4, US10B, US26, US26D, US32D
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
Finishes:	US3, US4, US10B, US26, US26D, US32D
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



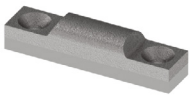
313S
Anti Vandal Pull

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:	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
Finishes:	US3, US4, US10B, US26, US26D, US32D, BLK
Cylinder:	Requires 3901 rim cylinder (sold separately). Long tailpiece standard.
Notes:	• For use with 4500 RIM, SVR, LBR, CLB devices, not for use with CVR • For pull options see Trim & Auxiliary section



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

Finishes: US3, US4, US10B, US26, US32D, BLK



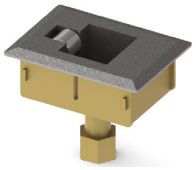
4923
Top Strike
Included standard with 4500 Series Surface Vertical Rod exit devices; not for fire-rated doors

Finishes: US32D



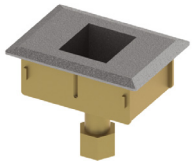
4923F
Fire-rated Top Strike
Included standard with fire-rated 4500 Series Surface Vertical Rod exit devices

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.

Finishes: US10B (2-649-0440), US26D (2-649-0441), US32D (2-649-0442)



FIRE-RATED MORTISE EXIT STRIKE

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

Finishes: US10B (2-649-0443), US26D (2-649-0444), US32D (2-649-0445)



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

Finishes: US3, US4, US10B, US26, US26D, US32D, BLK. Anti-microbial available with US26D, US32D.
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
Finishes: US3, US4, US10B, US26, US26D, US32D, BLK
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
Finishes: US3, US4, US10B, US26, US26D, US32D, BLK
Packaging: One (1) top latch with cover 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



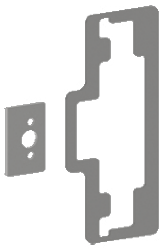
4929
Top/Bottom Rod Replacement Kit
For use with 4500 Series Surface Vertical Rod exit device

Finishes: US3, US4, US10B, US26, US26D, US32D, BLK.
Packaging: One (1) each 45-1/4" (1149 mm) rod, rod guide, rod connector, and appropriate fasteners



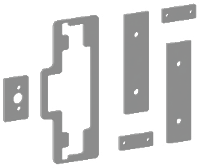
4929C
Concealed Rod Replacement Kit
For use with 4500 or 4600 Series Concealed Vertical Rod exit device

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

Finishes: US3, US4, US10B, US26, US26D, US32D, BLK
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

Finishes: US3, US4, US10B, US26, US26D, US32D, BLK
Packaging: Two (2) each 1/8" (3 mm) shims and appropriate fasteners



4932C
Head Cover
For use with 4500 Series Concealed Vertical Rod or Mortise exit devices

Finishes:	US3, US4, US10B, US26, US26D, US32D, BLK. Anti-microbial available with US26D, US32D.
Packaging:	One (1) head cover and four (4) each M4 x 6mm MS



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

Finishes:	US3, US4, US10B, US26, US26D, US32D, BLK, Anti-microbial available with US26D, US32D.
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

Finishes:	US3, US4, US10B, US26, US26D, US32D, BLK. Anti-microbial available with US26D, US32D.
Packaging:	One (1) head cover and four (4) each M4 x 6mm MS



4936
24" Extension Rod Kit
For use with 4500 Series Vertical Rod exit devices

Finishes:	US3, US4, US10B, US26, US26D, US32D, BLK
Packaging:	One (1) each 24" (610 mm) extension rod, rod connector, rod guide, plus wood and machine screws
Notes:	Extension rods threaded on both ends; if cuts are required, cut the standard rod on non-threaded end



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

Finishes:	US3, US4, US10B, US26, US26D, US32D, BLK
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



Flanged

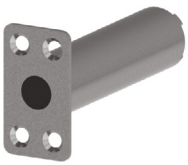


Flush

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

Finishes:	US3, US4, US10B, US26, US26D, US32D, BLK Anti-microbial available with US26D, US32D
Packaging:	One (1) each cap and bracket plus fasteners

Finishes:	US3, US4, US10B, US26, US26D, US32D, BLK Anti-microbial available with US26D, US32D
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

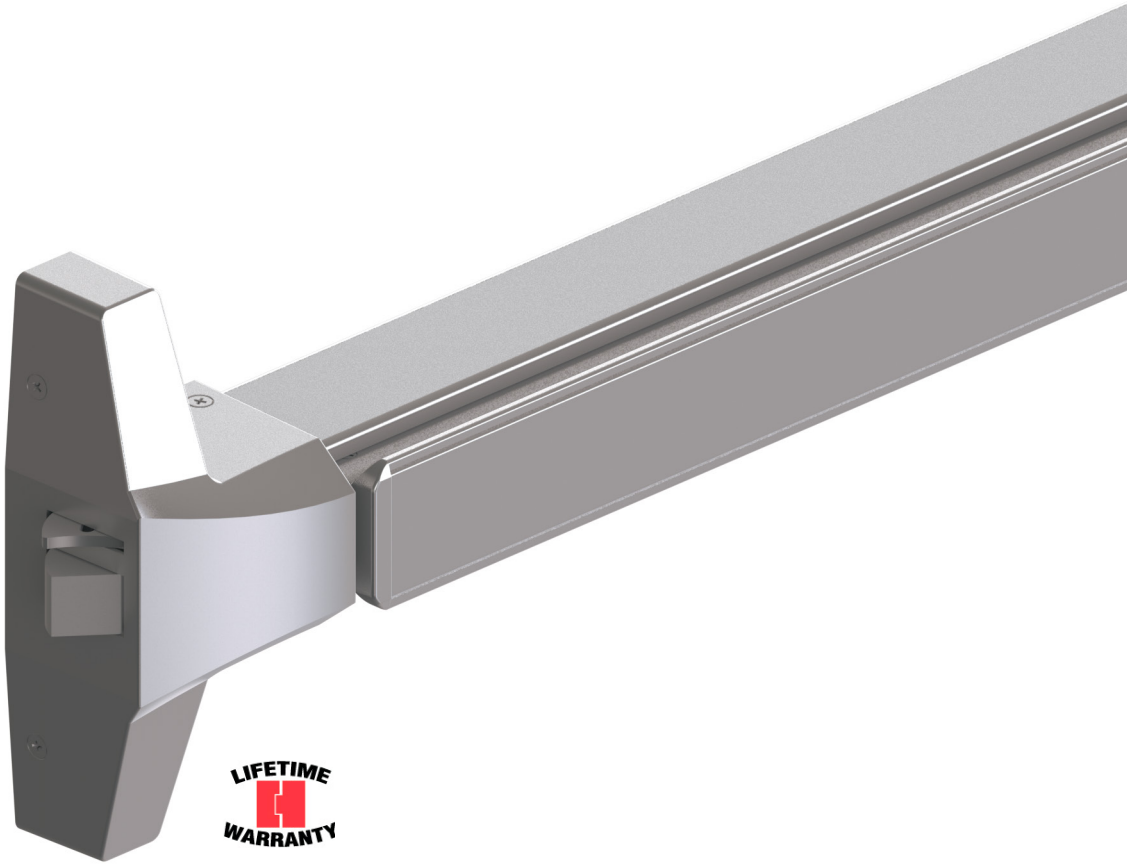
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4600 Series - Narrow Stile Heavy Duty Commercial Application

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 - Compliance and Certifications

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

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 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.

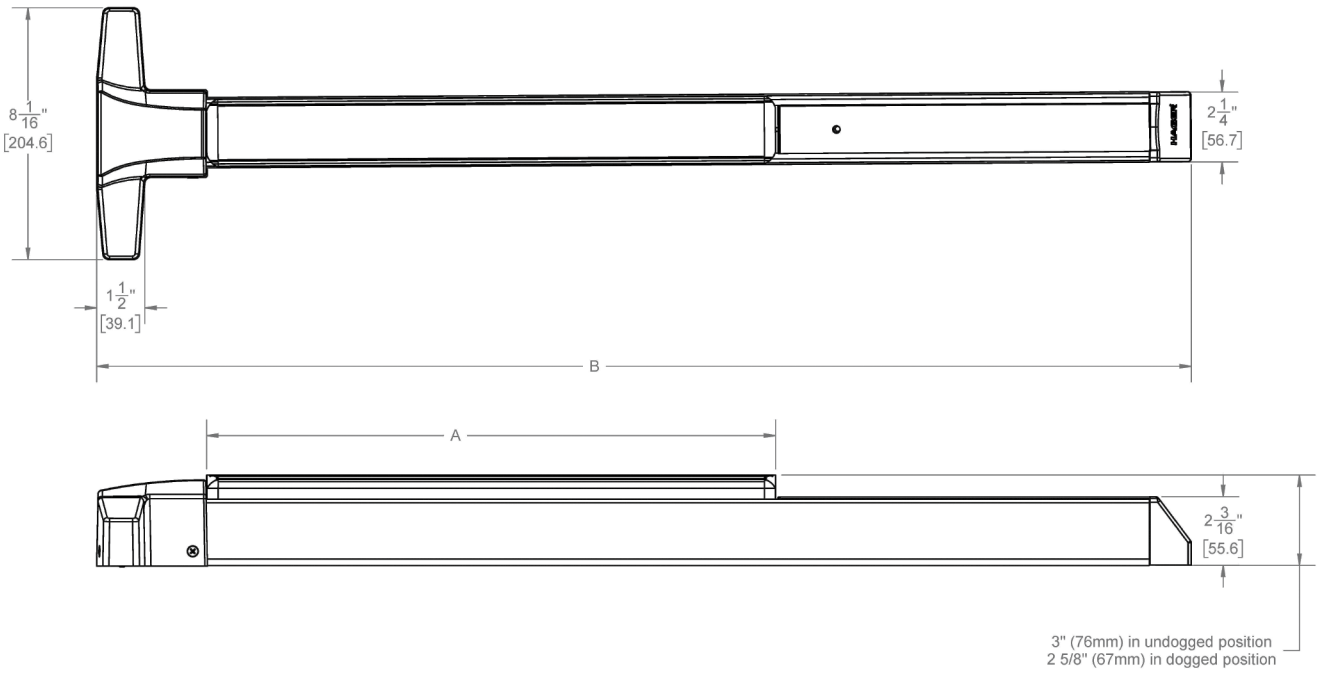
Shim Kits
Shim kits are available for devices on doors with glass bead kits or other interfacing moldings. Each kit contains two 1/8" (3.2 mm) shims and the appropriate longer fasteners.

Dogging
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 4925C for 4600 CVR or CLB devices or 4925R for 4600 RIM devices. Unit requires 1-1/8" (29 mm) - 1-3/*' (35mm) 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.

Trim Functions	Part Number	Function Description	ANSI Number
Blank Escutcheon	46BE	Always operable (Passage)	14
Cylinder Escutcheon	46CE	Key locks or unlocks lever	08
Dummy	46DT	Pull when device is dogged down	02
Night Latch	46NL	Key retracts latchbolt	03

4600 Series - Device Profile



	A	B
4600 RIM - 36"	18 5/32" (461mm)	34 5/8" (879mm)
4600 RIM - 48"	24" (609mm)	46 5/8" (1184mm)
4600 CVR - 36"	18 5/32" (461mm)	35" (889mm)
4600 CVR - 48"	24" (609mm)	47" (1194mm)

4600 SERIES EXIT DEVICE

4601 | **RIM** | **F** | **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
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
LM - Latchbolt Monitor*
RX - Request to Exit
RX2 - Dual Request to Exit
RXLM - 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 Latch Retraction with Latchbolt Monitoring*
MLRXLM - Motor Driven Electric Latch Retraction with Request to Exit and Latchbolt Montioring*

*Not available on 4600 CVR

4600 SERIES TRIM

46 | **CE** | **ARC** | **US3** | **1-3/4”** | **TW**

Product Group
46 - 4600 Series, Grade 1

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 (Not available for 3” door)
Function 03, key retracts latchbolt

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

Finish
US3
US4
US10B
US26
US26D
BLK

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

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

Notes:
1. For more cylinder information, please refer to Cylinder, Core & Keying in the Locks section of the catalog.
2. If using shim kit, specify total door thickness including shims.

4600 Series - Grade 1 Narrow Stile Rim Device



WARRANTY

Lifetime warranty

FEATURES

Certification: BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements.

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 mortise cylinder with standard cam sold separately. Cylinder Length of 1-1/8" (29mm) - 1-3/8" (35mm) is required.

End Cap: Flush (Zinc)

Fasteners:
- Thru-bolts supplied standard

Latchbolt: 3/4" (19 mm) 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" (44 mm) - Standard up to 3", except with night latch (NL) which is 2-1/2"

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
- All stile widths are measured from door edge

Notes:
- Recommended for use on appropriately reinforced doors
- Where fire rated rim x rim x mullion is used order 4912 Strike and Hook Kit

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

FINISHES
- US10B, US26D and US32D
- US3, US4, US26, and BLK
- 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 alarm kit, or delayed egress
- 48" (1219mm) field sizeable to 42" (1067mm) door minimum for devices with 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

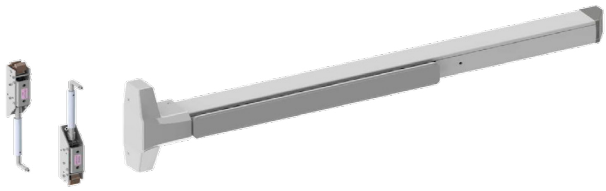
- RX - Request to Exit (field installation kit 2-649-5001)
- RX2 - Dual Request to Exit
- ALK - Alarm Kit (kit 4941)
- ALM - Alarm Kit with Latch Monitor Switch (2-649-0168)
- ALT - Alarm Kit with Tamper Switch (2-649-1090)
- ALL - Alarm Kit with Latch Monitor and Tamper Switch
- LM - Latchbolt Monitor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

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. Cylinder Length of 1-1/8" (29mm) - 1-3/8" (35mm) is required.)
End Cap:	Flush (Zinc (Flush)
Fasteners:	• Machine screws • Thru-bolts
Latchbolt:	• Top - 1/2" (13 mm) throw, stainless steel
Strikes:	• 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
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:	• 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 US32D, US3, US4, US10B, US26, BLK • Trim is not available in US32D • Anti-Microbial available with US26D, US32D

4600 Series - Grade 1 Concealed Vertical Rod - Less Bottom Rod (CLB)

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. Cylinder Length of 1-1/8" (29mm) - 1-3/8" (35mm) is required.)
End Cap:	Flush (Zinc (Flush)
Fasteners:	• Machine screws • Thru-bolts
Latchbolt:	• Top - 1/2" (13 mm) throw, stainless steel
Strikes:	• Stainless steel - included standard with panic device • Mortised into aluminum frame and 1/2" threshold

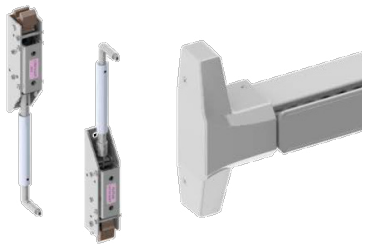
SPECIFICATIONS

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
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:	• 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 US32D, US3, US4, US10B, US26, BLK • 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” (914mm) field sizeable to 34” (864mm) door minimum for devices with motorized electric latch retraction
- 36” (914mm) door minimum for devices with delayed egress
- 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

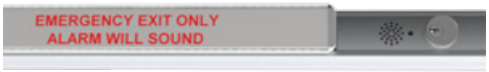
- RX - Request to Exit (field installation kit 2-649-5001)
- RX2 - Dual Request to Exit
- MLR - Motor Driven Electric Latch Retraction (field installation kit 2-649-5007)
- MLRX - Motor Driven Electric Latch Retraction with Request to Exit
- DE - Delayed Egress (must order wall mount controller 2-679-0630 separately)

Note: These devices are not available in fire rated versions

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

FUNCTION	#	DESCRIPTION
Request to Exit	RX	Used to shunt an alarm, activate an alarm, provide release of magnetic locks, or signal a console.
Dual Request to Exit	RX2	Features two SPDT switches
Latchbolt Monitoring	LM*	An internal SPDT switch that monitors the latchbolt to signal both egress and access of an opening.
Latchbolt Monitoring/ Request to Exitt	RXLM*	Two internal SPDT switches that monitor the latchbolt and the pushbar simultaneously.
Delayed Egress	DE	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.
Motor Driven Electric Latch Retraction	MLR	Provides the means of locking or unlocking exit devices remotely using an electric motor. Recommend Hager 2903 or 2904 Power Supply.
Motor Driven Electric Latch Retraction with Request to Exit	MLRX	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.
Motor Driven Electric Latch Retraction with Request to Exit and Latchbolt Monitoring	MLRXLM*	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.
Motor Driven Electric Latch Retraction with Latchbolt Monitoring	MLRLM*	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.

*Not available on the 4600 CVR or CLB.

ELECTRICAL SPECIFICATION/RATINGS AND WIRE REQUIREMENTS

Electrical Specifications/ Ratings:

- 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

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 SUPPLIES

PRODUCT #	DESCRIPTION
2903	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
2904	Provides 24 Volt DC power and control for openings with an electrified locking device and automatic door operator
2908	Provides up to 1 amp of 12 or 24 Volt DC power - modular
2909	Provdes up to 2 amps of 12 or 24 Volt DC power - modular

ALARMED DEVICES - 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

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 | • US3, US4, US10B, US26, US26D (Not Available in US32D), BLK
• 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 with long tailpiece (sold separately)
Use an extra 1/4" blocking ring with IC core 7-pin cylinders
Notes: Maximum door thickness compatibility is 2-1/2" (38 mm)

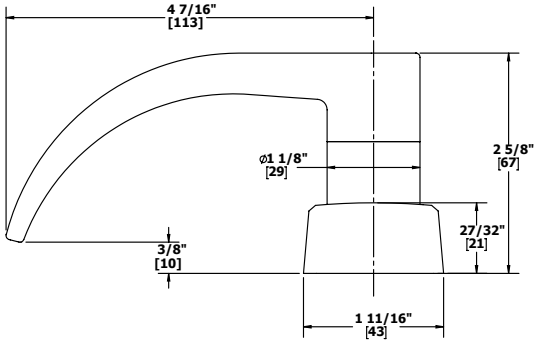


RIM Cylinder by Optional Pull
ANSI Function: 03 - Key retracts latchbolt
Finishes: US3, US4, US10, US10B, US26, US26D, US32D, BLK
Cylinder: Requires 3901 rim cylinder (sold separately). Standard (attached) and long tailpieces in every box.
Notes:
- For use with 4600 RIM
- For pull options see Trim & Auxiliary section

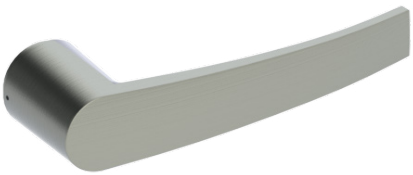
4600 Series - Lever Options

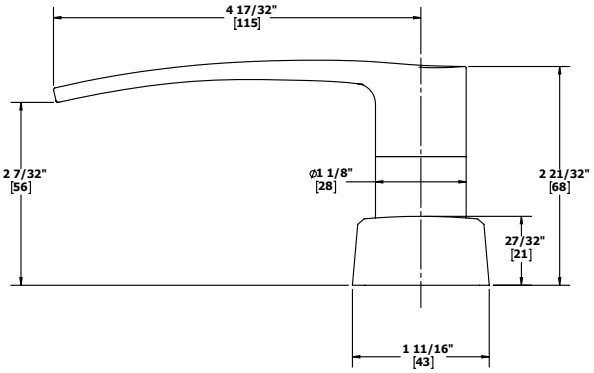
ARCHER LEVER



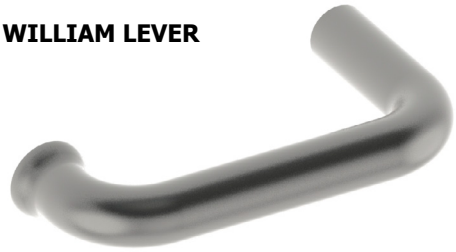


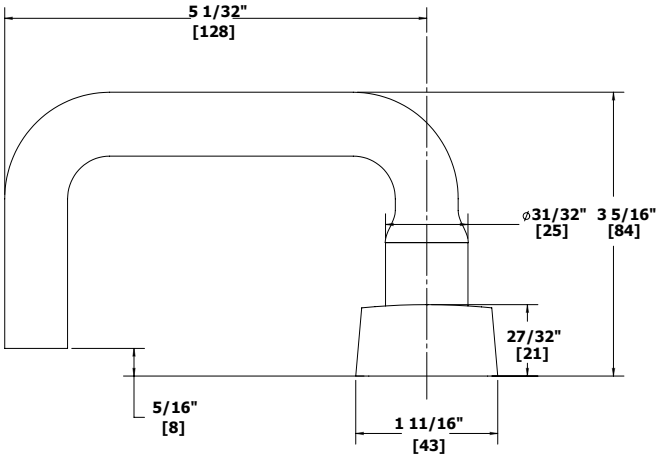
AUGUST LEVER



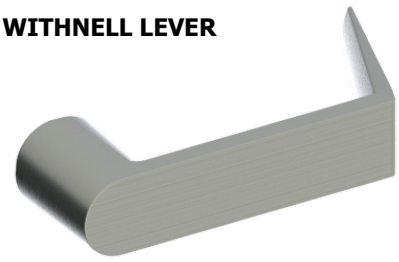


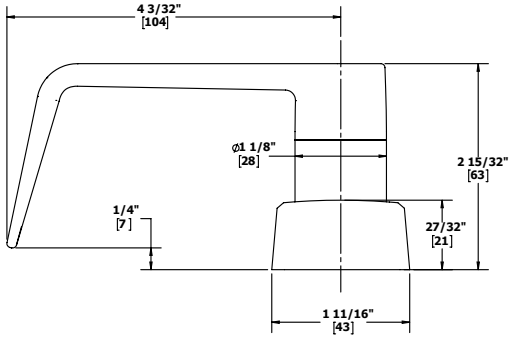
WILLIAM LEVER





WITHNELL LEVER







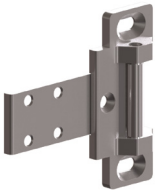
4920
Strike
Optional strike to be used with 4600 Series Rim exit device; not for fire-rated doors

Finishes: US32D
Notes: For standard surface mounted applications



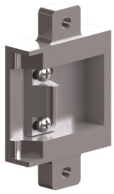
4920F
Fire-rated Strike
Included standard with 4600 Series Fire-rated Rim exit device

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



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



4925R
Cylinder Dogging Conversion Kit
Finishes: US3, US4, US10B, US26, US26D, US32D, BLK, Anti-Microbial available with US26D and US32D
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

Finishes: US3, US4, US10, US10B, US26, US26D, US32D, BLK
Packaging: Two (2) each 1/8” (3 mm) shims and appropriate fasteners



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

Finishes: US3, US4, US10B, US26, US26D, US32D, BLK, Anti-Microbial
Packaging: One (1) head cover and four (4) each M4 x 6mm MS

4600 Series - Concealed Vertical Rod Series - Accessories



Flanged

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

Finishes: US3, US4, US10B, US26, US26D, US32D, BLK
Anti-microbial available with US26D, US32D

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



Flush

Finishes: US3, US4, US10B, US26, US26D, US32D, BLK
Anti-microbial available with US26D, US32D

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



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



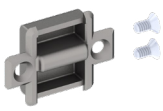
2-649-0581
Top Latch Assembly
Included standard with 4600 CVR and CLB exit devices (screws not included)
Screws are sold as Latch Screw Pack



2-649-0582
Bottom Latch Assembly
Included standard with 4600 CVR and CLB exit devices
Finishes: US3, US4, US10B, US26, US26D, US32D, BLK



2-649-0588
Latch Screw Packs
Included standard with 4600 CVR and CLB exit devices
Finishes: US3, US4, US10B, US26, US26D, US32D, BLK



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



4925C
Cylinder Dogging Converstion Kit
(For use with 4600 Series CVR and CLB Exit Devices)

Finishes: US3, US4, US10B, US26, US26D, US32D, BLK, Anti-Microbial available with US26D and US32D.
Packaging: One (1) each dogging plate, cylinder collar, cash box nut
Notes:
- Mortise cylinder 3902 with standard cam, sold separately. Cylinder length of 1-1/8" (29mm) - 1-3/8" (35mm) is required.
- Specify 36" (914 mm) or 48" (1219 mm)



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
Shim Kit
(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

4700 Series - Standard Duty Application

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 are BHMA Certified Grade 1 and meet Life Safety Codes and Fire Requirements.

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



4700 Series - Compliance and Certifications

4700 SERIES

	RIM	SVR
ANSI/BHMA A156.3-2014 Grade 1	YES	YES
UL305 Listed for Panic Hardware	YES	YES
UL10C Positive Pressure Rated	YES	YES
UL10B Neutral Pressure Rated	YES	YES
Complies with ANSI A117.1 for Accessible Buildings and Facilities	YES	YES

4700 SERIES FIRE-RATED DEVICES

	RIM F	SVR F
UL/cUL Listed for "A" Label Door Up to and Including...	3 HR 4'X8'	---
UL/cUL Listed for "B" Label Door Up to and Including...	---	90 MIN 4'X8'
Rim with Fire-rated Removable Mullion 4900UF UL/cUL Listed and Warnock Hersey Listed for "A" Label Door Up to and Including...	3 HR 8'X8'	---
VR X VR SAME DIRECTION* UL/cUL Listed for "A" Label Door Up to and Including...	---	90 MIN 8'X8'
VR X VR Double Egress UL/cUL Listed for "A" Label Door Up to and Including...	---	90 MIN 8'x8'

Installation Made Easy
For the convenience of our customers, Hager Companies introduced several key features to the exit device market.

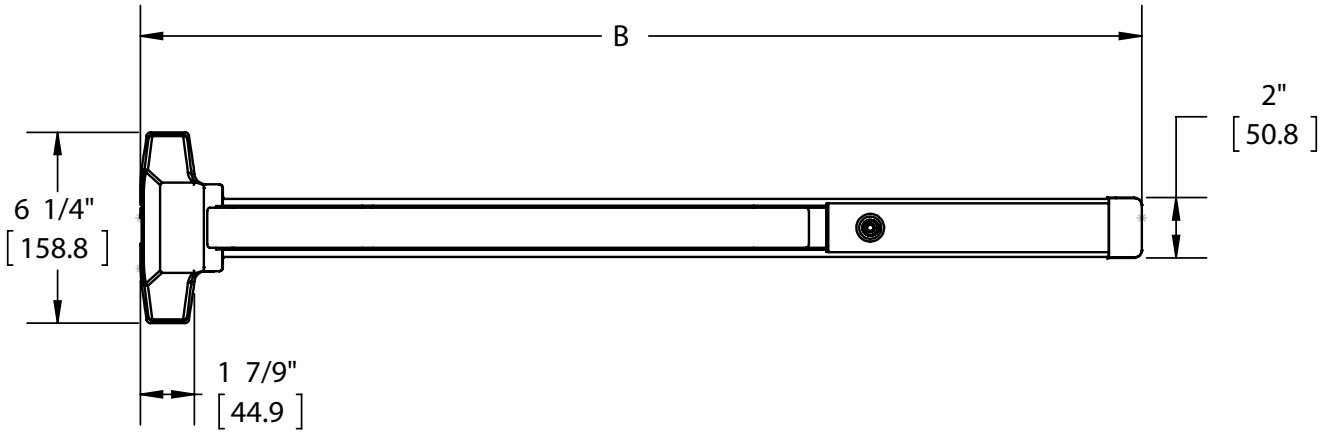
- Thru-bolts are included with every model. Wood and machine screws are also provided standard in every package.
- Slotted strikes speed up installation, allowing the installer to make easy adjustments to align the latch to the strike.
- Escutcheon trim has the locking mechanism built inside which reduces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

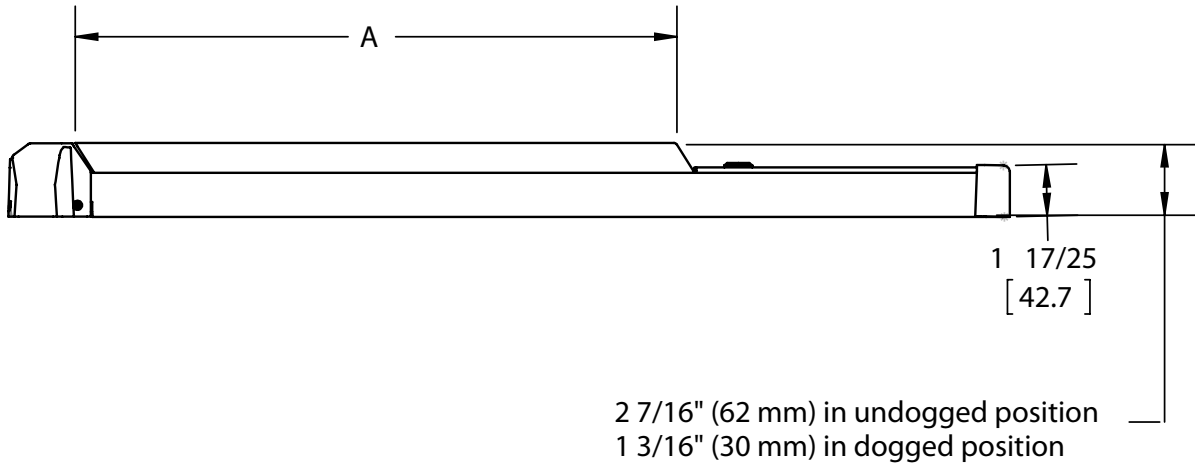
Shim Kits
Shim kits are available for devices on doors with glass bead kits or other interfacing moldings. Each kit contains two 1/8" (3.2 mm) shims and the appropriate longer fasteners.

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).

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

4700 Series - Device Profile





4700 SERIES	A	B
4700 PANIC - 36"	19 45/64 (500mm)	32 51/64 (833mm)
4700 FIRE - 36"		
4700 PANIC - 48"	24 29/64 (621mm)	44 51/64 (1137mm)
4700 FIRE - 48"		

4700 SERIES EXIT DEVICE

4701 **RIM** **FR** **36”** **US3** **2”**

Product Group
4700 Series, Standard Duty

Type
RIM - Rim Device
SVR - Surface Vertical Rod

Rating
F - Fire Rated
0 - Non-Fire Rated

Size
36”
48”
36” x 84”
36” x 96”
48” x 84”
48” x 96”

Finish
US3
US32D
ALM
DBZ
BLK

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

4700 SERIES TRIM

47 **CE** **RH** **ARC** **US3** **2”** **TW**

Product Group
47 - 4700 Series, Standard Duty

Trim/Function
CE - Cylinder Escutcheon
Function 08, key locks/unlocks
BE - Blank Escutcheon
Function 14, always operable
NL - Night Latch
Function 03, key retracts latchbolt
DT - Dummy Trim
Function 02, pull when dogged down
KD - Key in Lever - Dummy Trim
Function 02, entrance by trim when actuating bar is locked down
KE - Key in Lever - Entrance
Function 08, entrance by trim (key locks or unlocks trim)
KN - Key in Lever - Night Latch
Function 03, entrance by trim when latch bolt is released by key; removable when locked
KP - Key in Lever - Passage
Function 14, entrance by trim when latch bolt is released by lever; always active; no cylinder
PD - Pull Plate Dummy Trim
Function 02, pull when dogged down
PN - Pull Plate Night Latch
Function 03, key retracts latchbolt
RD - Raised Lip Pull - Dummy Trim
Function 02, pull when dogged down
RN - Raised Lip Pull - Night Latch
Function 03, key retracts latches
BT- Thumbpiece Pull Plate, Passage
Function 15, entrance by trim when latch is released by thumbpiece. Thumbpiece is always active, no cylinder
PT- Thumbpiece Pull Plate, Entrance
Function 05, entrance by thumbpiece. Key locks or unlocks thumb piece

Handing
RH - Right Handed / LHR
LH - Left Handed / RHR

Lever Style
ARC - Archer
AUG - August
WTN - Withnell
APL - Apollo knob

Finish
US3
US32D
ALM
DBZ
BLK

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:	BHMA Certified Grade 1 (2014 Standard) and meets Life Safety Codes and Fire Requirements
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 devices • Solid stainless steel - included standard with fire-rated device • 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" (5 1 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 • Where fire rated rim x rim x mullion is used order 4916 Strike and Hook Kit
TRIM	• 4700 Series escutcheon trim for rim device is available with a variety of lever options • 4700 Series key-in-trim is available with a variety of lever options plus a knob option • Pull plate trim • Raised lip pull • Rim cylinder x optional pull
FINISHES	US3, US32D, ALM, DBZ, BLK

4700 Series - Standard Duty Surface Vertical Rod Device

WARRANTY

Five-year warranty



FEATURES

Certification:	BHMA Certified Grade 1 (2014 Standard) and meets Life Safety Codes and Fire Requirements
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, BLK

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, BLK



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)

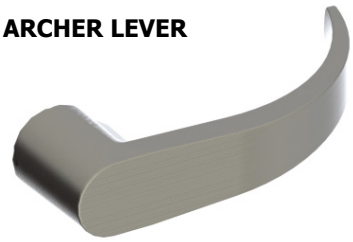


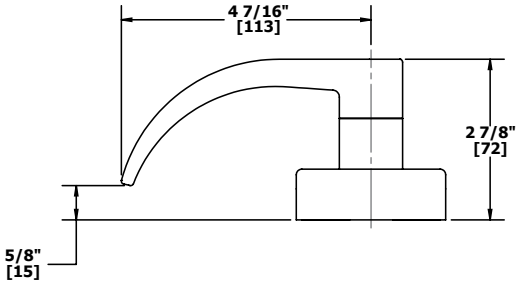
47DT
Dummy Trim
ANSI Function: 02 - Pull when device is dogged down



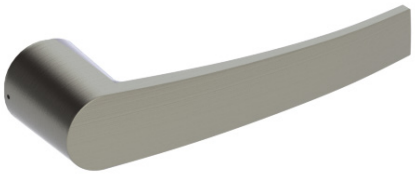
47NL
Night Latch
ANSI Function: 03 - Key retracts latchbolt
Cylinder: Requires 1-1/4" or 1-3/8" long 3902 mortise cylinder with standard cam (sold separately)

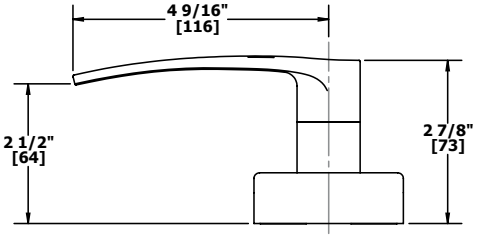
ARCHER LEVER



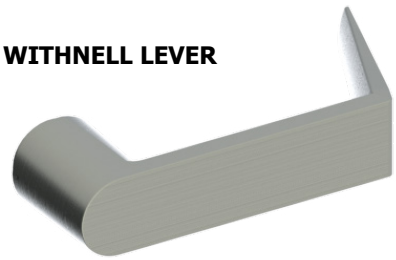


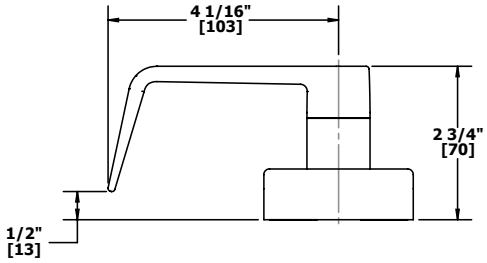
AUGUST LEVER





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, BLK



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 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 core sold separately.

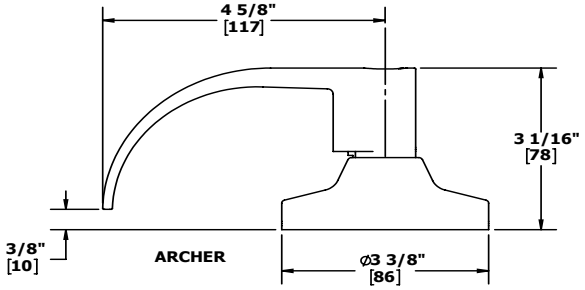
Keys: Two (2) brass keys per lock



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

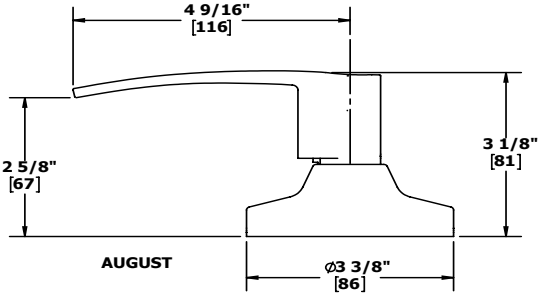
ARCHER LEVER





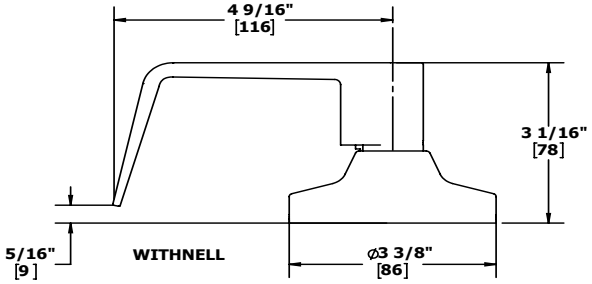
AUGUST LEVER





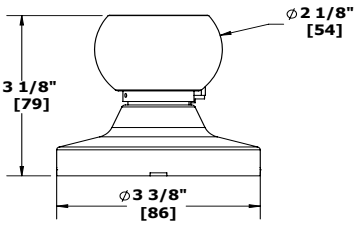
WITHNELL LEVER





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, BLK
• 47BT and 47PT - US32D, BLK



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

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



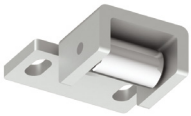
4910
Strike
Included standard with 4700 Series Panic- Rated RIM exit device
Finishes: US32D



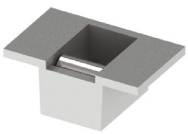
4910-F
Strike
Included standard with 4700 Series Fire- Rated RIM exit device
Finishes: US32D



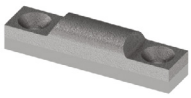
4911
Double Door Strike
Optional strike for use with 4700 Series Surface Vertical Rod and Rim exit device
Finishes: US32D
Notes: Not for fire-rated doors



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



4914
Bottom Strike
Included standard with 4700 Series Surface Vertical Rod exit device
Finishes: 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.
Finishes: US32D
Notes: Not for fire-rated doors

4700 Series - Accessories



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



4917F
Bottom Latch Assembly
For use with 4700 Surface Vertical Rod exit device; for fire-rated doors
Finishes: US3, ALM, DBZ, US32D
Packaging: One (1) bottom latch with cover and appropriate fasteners



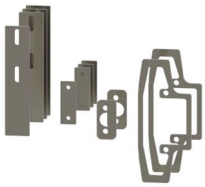
4918
Top Latch Assembly
For use with 4700 Surface Vertical Rod exit device
Finishes: US3, ALM, DBZ, US32D
Packaging: One (1) top latch with cover and appropriate fasteners



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



4934
Panic-Rated Dogging Plate

For use with 4700 Series exit devices
Finishes: US3, ALM, DBZ, US32D
Packaging: One (1) each dogging plate and hex key
Notes: Not for use on fire-rated device



END CAP

For use with all 4700 Series exit devices

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

Finishes: ALM, DBZ, US3, US32D



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.

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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 - How To Order

4900 SERIES MULLION SETS

4900 | **U** | **F** | **84″** | **USP**

Product Group
4900 Series, Mullions

Type
X - Keyed Removable Mullion
U - Non-Keyed Removable Mullion

Fire Rating
F - Fire Rated
0 - Non-Fire Rated

Size
84″
96″
10′ (120″)

Finish
USP

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).

WARRANTY | One-year warranty

SPECIFICATIONS

Certification:	UL/cUL 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) 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 - 1-1/2” FHMS (bottom bracket) • Four (4) 5/16” - 18 masonry anchors (bottom bracket) • Two (2) 1/4” - 20 x 1-1/4” FPHMS (top fitting) • Two (2) 1/4” - 20 thru bolts (top fitting) • Two (2) #10 - 24 x 3/8” FHPMS (top fitting) • Fire-rated device - 5/16” - 18 x 1-1/4” FHMS
Shims:	• Two (2) each 1/2” (13 mm) and 5/8” (16 mm) spacers included (top) • Two (2) 3/32 (2.4 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:	• 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

4900X
Mullion Set

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



4900XF
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,

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

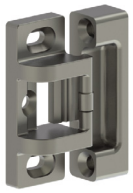
Certification: Panic-rated
Opening Height: 84” (2134 mm), 96” (2438 mm), 120” (3048 mm)
Material: 11 gauge steel tube



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

4900 Series - Strikes and Stabilizer Kit



4912
Fire-Rated Strike and Hook Kit for 4500 and 4600 Series

Finishes: US32D

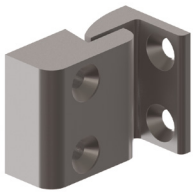
Notes: Must order for use with fire-rated mullion and fire-rated Rim devices to ensure fire rating



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

4900 Series - 4900T - Accessories



4903
Top/Bottom Bracket Set

Certification: Non-fire-rated

Function: Keyed removable

Materials: Steel

Cylinder: Rim cylinder, 3901, sold separately



4903XF
Fire-Rated Top/Bottom Bracket Set

Certification: Fire-rated

Function: Keyed removable

Materials: Steel

Cylinder: Rim cylinder, 3901, sold separately

4900X - CYLINDER



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.



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