HAGER® COMPANIES

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.

LIFETIME WARRANTY

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 #17-1226.23	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...	---	90 MIN 8'X10'	90 MIN 8'X8'	90 MIN 8'X10'	90 MIN 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 has the locking mechanism built inside which reduces 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" mortise cylinder (part number 3902) with standard cam. For less dogging, specify LD on order.
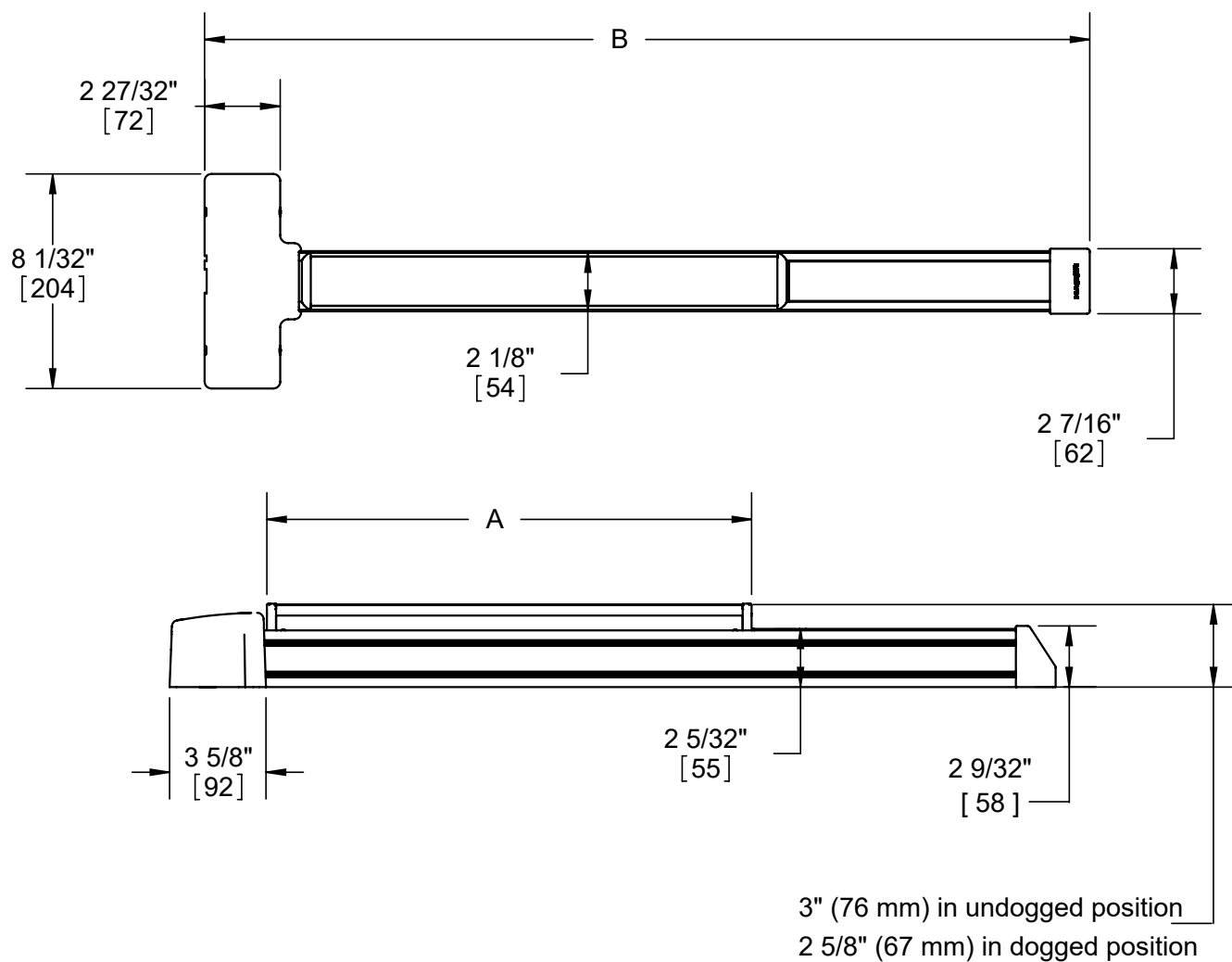
Sizing

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 EL/EU	Fail safe /Fail secure	E05/E06

2 27/32"
[72]

8 1/32"
[204]

B

2 1/8"
[54]

2 7/16"
[62]

A

3 5/8"
[92]

2 5/32"
[55]

2 9/32"
[58]

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

4500 SERIES	A	B
4500 PANIC - 36"	18 5/32"(461mm)	33 5/32"(842mm)
4500 FIRE -36"		
4500 PANIC - 48"	24"(611mm)	45-5/32"(1147mm)
4500 FIRE - 48"		

4500 SERIES EXIT DEVICE

4501   RIM   FR 36"   US3   1-3/4"   ALK

Type

RIM - Rim Device
SVR - Surface Vertical Rod
LBR - Surface Vertical Rod Less Bottom Rod[1]
CVR - Concealed Vertical Rod
CLB - Concealed Vertical Rod Less Bottom Rod[1]
DMY - Dummy Push Pad
MRT - Mortise Device (MC, MB, MD)
MRTN - Mortise Night Latch Device (MN)

Product Group
4500 Series, Grade 1

Rating

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

Door Size[2]

36"
48"
36" x 84"
36" x 96"
48" x 84"
48" x 96"

Finish

US3
US4
US10B
US26
US26D
US32D
BLK[7]

Door Thickness

1-5/8"
1-3/4"
2"
2-1/2"
3"

Electric Modifications

AI - Authorized Ingress[3]
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[3]
RX - Request to Exit
RX2 - Dual Request to Exit
RXAI - Request to Exit w/ Authorized Ingress[3]
RXLM - Request to Exit w/ Latchbolt Monitor[3]
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[3]
MLRXLM - Motor Driven Electric Latch Retraction w/Request to Exit & Latchbolt Monitoring[3]
EUEL1224 - Fail Secure/Fail Safe, 12/24 Volt[6]

4500 SERIES TRIM

45   CE   ARC   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[4]
Function 14, always operable
MC - Mortise Cylinder Escutcheon[4]
Function 08, key locks/unlocks
MD - Mortise Dummy Trim[4]
Function 02, pull when dogged down
MN - Mortise Night Latch[4]
Function 03, key retracts latchbolt

Lever Style

ARC - Archer
AUG - August
WLM - William
WTN - Withnell
CHA - Charles
JHN - Johnston[5]
JOS - Joshua
LOU - Louis
WRN - Warren[5]

Finish

US3
US4
US10B
US26
US26D
US32D (pull plate trim only)
BLK[7]

Door Thickness

1-5/8"
1-3/4"
2"
2-1/2"
3"

Options

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

[1]Fire-rated LBR and CLB devices must be ordered in pairs of vertical rod devices or can be used in conjunction with an approved automatic or constant latching flush bolt. When ordering pairs, specify one device LBR and second device LBR with fire bolt, for example: 4501 LBR Fire 36" x 84" plus 4501 LBR Fire 36" x 84" EO with bolt OR 4501 LBR Fire 36" x 84" plus an approved automatic constant latching flush bolt.

[2]24" door size available with extended lead times.

[3]Not available on Mortise Exit Devices.

[4]Mortise trim does not match centerline of other 4500 Series trim. Cannot be used with 4500 Series Rim or Vertical Rod devices.

[5]Johnston and Warren lever designs are handed. Specify LHR/RH or RHR/LH when ordering.

[6]Only applicable to 4501 MRTN devices.

[7]Extended lead time for flat black finish.

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

WARRANTY	Lifetime warranty
FEATURES	
Certification:	BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements. See charts on page 4 for details and options.
Covers:	Stainless steel, zinc
Cover Tube:	Aluminum
Dogging:	• Hex key dogging standard on panic-rated devices • Less dogging available on panic-rated devices, specify LD • Cylinder dogging available on panic-rated devices, specify CD (3902 1-1/8" (29 mm) mortise cylinder sold separately)
End Caps:	• Zinc • Flush end cap option available
Fasteners:	• Wood and machine screws • Thru-bolts supplied standard
Latchbolt:	3/4" (19 mm) throw, pullman type with automatic dead-latching, stainless steel
Strikes:	• Stainless steel with stainless steel pin and roller - included standard with panic device • Solid stainless steel - included standard with fire-rated device • Surface applied to frame with slotted holes for easy adjustment • Double door strike for use with vertical rod and rim device available

SPECIFICATIONS

Door Thickness:	1-3/4" (44 mm) - Standard up to 3", except with night latch (NL) which is 2-1/2"
Door Width:	• 36" (914 mm) field sizeable to 30" (762 mm) panic-rated door and 28" (711 mm) fire-rated door • 48" (1219 mm) field sizeable to 36" (914 mm) panic- or fire-rated door
Projection:	• 3" (76 mm) in undogged position • 2-5/8" (67 mm) in dogged position
Stile Width:	• 5-3/8" (137 mm) - minimum stile width required for single door and 5/8" (16 mm) stop • 4-7/8" (124 mm) - minimum stile width required for double door x surface vertical rod with double door strike • 5-3/4" (146 mm) - minimum stile width required for double doors with 2" (51 mm) mullion • 5" (127mm) - minimum stile width required for double doors with a middle rail and a 2" mullion • All stile widths are measured from door edge.
Notes:	Recommended for use on appropriately reinforced doors
TRIM	4500 Series excutcheon trim for rim device is surface mounted with a variety of lever options (pp. 22-23) Pull plate trim Vandal resistant Rim cylinder x optional pull
FINISHES	US3, US4, US10B, US26, US26D, US32D, BLK Trim not available in US32D Anti-Microbial available with US26D, US32D

WARRANTY	• One-year on electrified components • Lifetime on hardware components
FEATURES	Same as 4500 Series 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. See charts on page 4 for details and options.
Covers:	Stainless steel, zinc
Cover Tube:	Aluminum
Dogging:	• Hex key dogging standard on panic-rated devices • Less dogging available on panic-rated devices, specify LD • Cylinder dogging is available on panic-rated devices, specify CD (3902 1-1/8" (29 mm) mortise cylinder sold separately)
End Caps:	• Zinc • Flush end cap option available
Fasteners:	• Wood and machine screws • Thru-bolts supplied standard
Latchbolt:	• Top - 1/2" (13 mm) throw, pullman type with automatic dead-latching, stainless steel • Bottom - 1/2" (13 mm) throw, pullman type, held retracted during door swing, stainless steel
Strikes:	• Stainless steel with stainless steel pin and roller - included standard with panic device • Solid stainless steel - included standard with fire-rated device • Surface applied to frame with slotted holes for easy adjustment • 10' (3048 mm) fire-rated device requires strike and hook kit, 4912 for top strike • Double door strike for use with surface vertical rod and rim device available

SPECIFICATIONS

Door Thickness:	1-3/4" (44 mm) - Standard up to 3", except with night latch (NL) function which is 2-1/2"
Door Width:	• 36" (914 mm) field sizeable to 30" (762 mm) panic-rated door and 28" (711 mm) fire-rated door • 48" (1219 mm) field sizeable to 36" (914 mm) panic- or fire-rated door
Projection:	• 3" (76 mm) in undogged position • 2-5/8" (67 mm) in dogged position
Vertical Rods:	• Rods for 7' (2134 mm) doors - 33-1/4" (845 mm) top rod length • Rods for 8' (2438 mm) doors - 45-1/4" (1149 mm) top rod length • Extension rods kits available, 2' (610 mm) or 3' (914 mm) for doors over 7'
Stile Width:	• 5-3/8" (137 mm) - Minimum stile width required for single door and 5/8" (16 mm) stop • 4-7/8" (124 mm) - Minimum stile width required for double doors • 4-7/8" (124 mm) - Minimum stile width required for double door x Rim Device with double door strike • All stile widths are measured from door edge
Notes:	• Center line prep is 40". If door prep elevation is lower, a longer top rod will need to be ordered. • Recommended for use on appropriately reinforced doors
TRIM	• 4500 Series escutcheon trim 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

WARRANTY	Lifetime warranty

FEATURES

Certification:	BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements. See charts on page 4 for details and options.
Covers:	Stainless steel, zinc
Cover Tube:	Aluminum
Dogging:	• Hex key dogging standard on panic-rated devices • Less dogging available on panic-rated devices, specify LD • Cylinder dogging is available on panic-rated devices, specify CD (3902 1-1/8" (29 mm) mortise cylinder sold separately)
End Caps:	• Zinc • Flush end cap option available
Fasteners:	• Wood and machine screws • Thru-bolts supplied standard
Latchbolt:	Top - 1/2" (13 mm) throw, pullman type with automatic dead-latching, stainless steel
Strikes:	• Stainless steel with stainless steel pin and roller - included standard with panic device • Solid stainless steel - included standard with fire-rated device • Surface applied to frame with slotted holes for easy adjustment • Double door strike for use with surface vertical rod and rim device available

SPECIFICATIONS

Door Thickness:	1-3/4" (44 mm) - Standard up to 3", except with night latch (NL) function escutcheon trim which is 2-1/2"
Door Width:	• 36" (914 mm) field sizeable to 30" (762 mm) panic-rated door and 28" (711 mm) fire-rated door • 48" (1219 mm) field sizeable to 36" (914 mm) panic- or fire-rated door
Projection:	• 3" (76 mm) in undogged position • 2-5/8" (67 mm) in dogged position
Vertical Rods:	• Rods for 7' (2134 mm) doors - 33-1/4" (845 mm) top rod length • Rods for 8' (2438 mm) doors - 45-1/4" (1149 mm) top rod length • Extension rod kits available, 2' (610 mm) or 3' (914 mm) for doors over 7'
Stile Width:	• 5-3/8" (137 mm) - Minimum stile width required for single door and 5/8" (16 mm) stop • 4-7/8" (124 mm) - Minimum stile width required for double doors • 4-7/8" (124 mm) - Minimum stile width required for double doors x rim device with double door strike • All stile widths are measured from door edge
Notes:	• Hole plug for head cover included standard • Recommended for use on appropriately reinforced doors • A spring loaded fire bolt 2-649-0166 must be used on fire-rated LBR devices used on a pair of doors to ensure the device's fire rating
TRIM	• 4500 Series escutcheon trim 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

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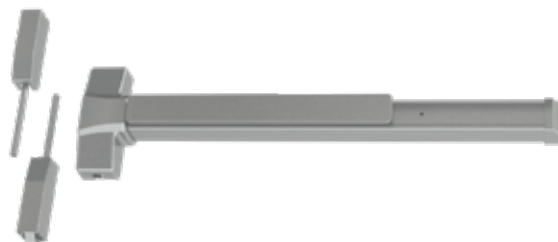COMPANIES

WARRANTY

- One-year on electrified components

- Lifetime on hardware components

Same as 4500 Series SVR Device

FEATURES 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.

WARRANTY	Lifetime warranty

FEATURES

Certification:	BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements. See charts on page 4 for details and options.
Covers:	Stainless steel, zinc
Cover Tube:	Aluminum
Dogging:	• Hex key dogging standard on panic-rated devices • Less dogging available on panic-rated devices, specify LD • Cylinder dogging is available on panic-rated devices, specify CD (3902 1-1/8" (29 mm) mortise cylinder with standard cam sold separately)
End Caps:	• Zinc • Flush end cap option available
Fasteners:	• Wood and machine screws • Thru-bolts supplied standard
Latchbolt:	• Top - 1/2" (13 mm) throw, pullman type with automatic dead-latching, stainless steel • Bottom - 1/2" (13 mm) throw, pullman type, held retracted during door swing, stainless steel
Strikes:	• Stainless steel with stainless steel pin and rollers - included standard with panic device • Solid stainless steel - included standard with fire-rated device • Top strike mortised into frame • Double door strike for use with CVR and RIM device available

SPECIFICATIONS

Door Thickness:	1-3/4" (44 mm) - Standard
Door Width:	• 36" (914 mm) field sizeable to 30" (762 mm) panic-rated door and 28" (711 mm) fire-rated door • 48" (1219 mm) field sizeable to 36" (914 mm) panic- or fire-rated door
Projection:	• 3" (76 mm) in undogged position • 2-5/8" (67 mm) in dogged position
Vertical Rods:	• Rods for 7' (2134 mm) doors - 34-5/8" (879 mm) top rod length • Rods for 8' (2438 mm) and 10' (3048 mm) doors - 46-5/8" (1184 mm) top rod length • Extension rod kits available, 2' (610 mm) or 3' (914 mm) for doors over 7'
Stile Width:	• 4" (102 mm) minimum stile width required • All stile widths are measured from door edge
Notes:	• NOT recommended for doors with inset greater than 1/8", for example: double egress frames, or jamb depths over 5-3/4" or greater - for additional information, contact Hager Companies • Center line prep is 40" (1016 mm) - if door prep elevation is lower, a longer top rod will need to be ordered • Recommended for use on appropriately reinforced doors
TRIM	• 4500 Series escutcheon trim 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

WARRANTY	Lifetime warranty
FEATURES	
Certification:	BHMA Certified Grade 1 and meets life safety codes and fire-safety requirements. See charts on page 4 for details and options.
Covers:	Stainless steel, zinc
Cover Tube:	Aluminum
Dogging:	• Hex key dogging standard on panic-rated devices • Less dogging available on panic-rated devices, specify LD • Cylinder dogging is available on panic-rated devices, specify CD (3902 1-1/8" (29 mm) mortise cylinder with standard cam sold separately)
End Caps:	• Zinc • Flush end cap option available
Fasteners:	• Wood and machine screws • Thru-bolts supplied standard
Latchbolt:	Top - 1/2" (13 mm) throw, pullman type with automatic dead-latching, stainless steel
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 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

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)
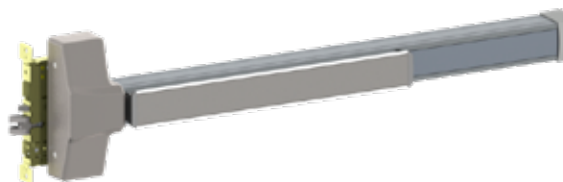
4500 SERIES - GRADE 1 MORTISE DEVICE

WARRANTY	Lifetime warranty

FEATURES

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

SPECIFICATIONS

Door Thickness:	1-3/4" (44 mm) - Standard
Door Width:	• 36" (914 mm) field sizeable to 30" (762 mm) panic-rated door and 28" (711 mm) fire-rated door • 48" (1219 mm) field sizeable to 36" (914 mm) panic- or fire-rated door
Projection:	• 3" (76 mm) in undogged position • 2-5/8" (67 mm) in dogged position
Stile Width:	• 4-1/2" (114 mm) • All stile widths are measured from door edge.
Notes:	Recommended for use on appropriately reinforced doors

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

- EU/EL - Electrified Mortise Exit Device - provides means of locking/unlocking outside lever trim control remotely
- RX -   Request to Exit
- RX2 -   Dual Request to Exit
- 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 Cylinder 3902 1-1/8" - 1 3/8" length, 3978 Cloverleaf or

equivalent tailpiece required)
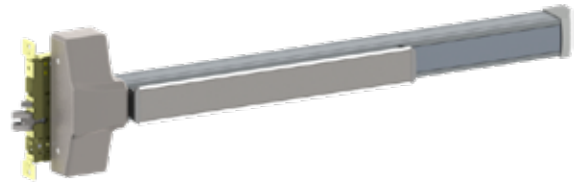
4500 SERIES - DUMMY PUSH PAD

WARRANTY	Lifetime warranty

FEATURES

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

SPECIFICATIONS

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

FINISHES	• US3, US10B, US26D, US32D, BLK • Anti-Microbial available with US26D, US32D

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

EMERGENCY EXIT ONLY
ALARM WILL SOUND

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

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	EU/EL	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 • EL/EU; 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

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, BLK (Not Available in US32D) Anti-Microbial available on US26D

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

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

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

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

45ET
Electrified Trim (Free-wheeling when locked)
ANSI Function: 45ET EL/EU 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.

HAGER COMPANIES

ARCHER LEVER

4 7/16"
[113]

2 13/16"
[72]

9/16"
[15]

AUGUST LEVER

4 9/16"
[116]

2 7/16"
[62]

2 7/8"
[73]

CHARLES LEVER

4 5/8"
[117]

2 17/32"
[64]

3 3/8"
[86]
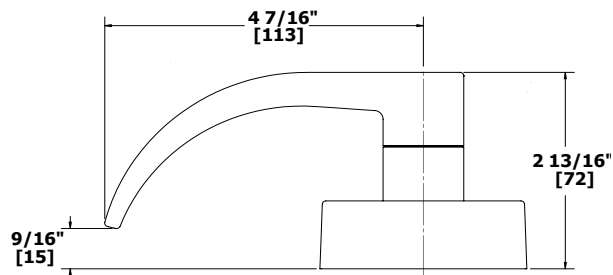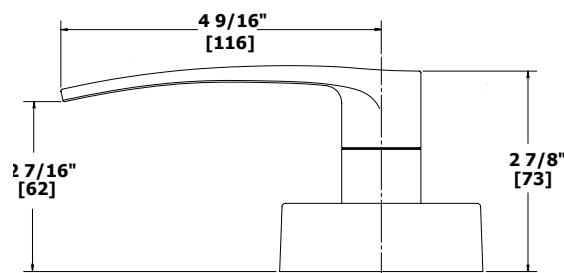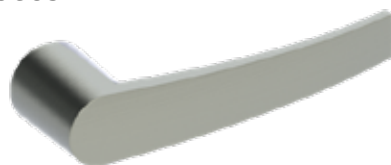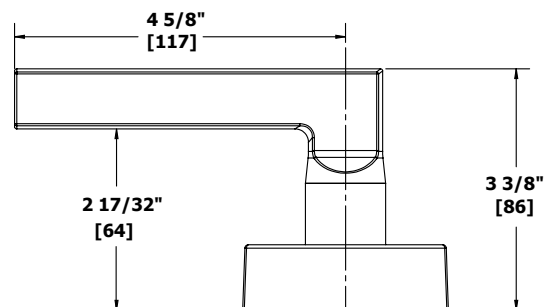
JOHNSTON LEVER - HANDED
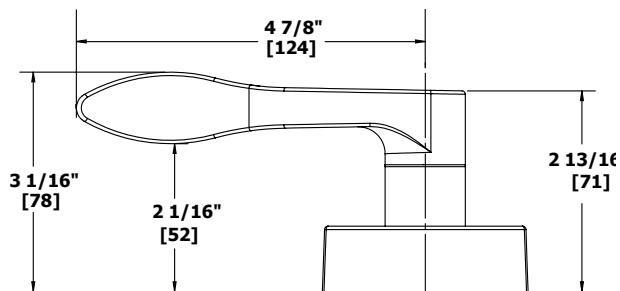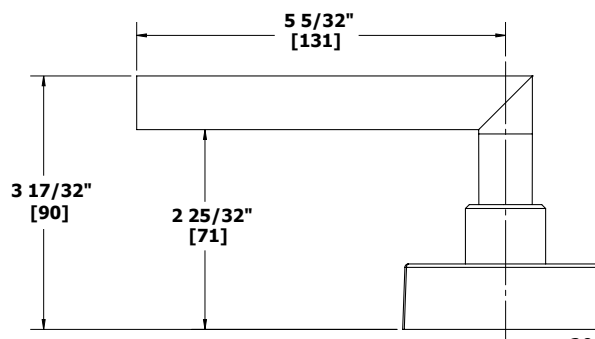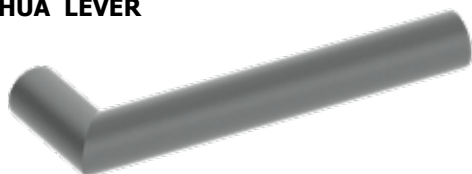
4 7/8"
[124]

3 1/16"
[78]

2 1/16"
[52]

2 13/16"
[71]

JOSHUA LEVER

5 5/32"
[131]

3 17/32"
[90]

2 25/32"
[71]

LOUIS LEVER

4 7/8"
[124]

2 11/16"
[68]

3 3/16"
[81]
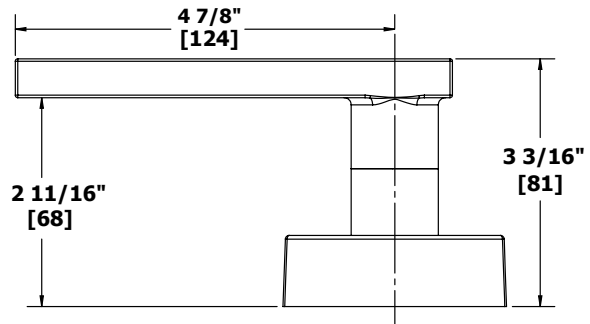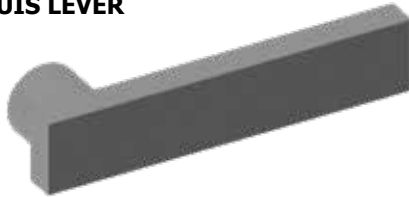
WARREN LEVER - HANDED
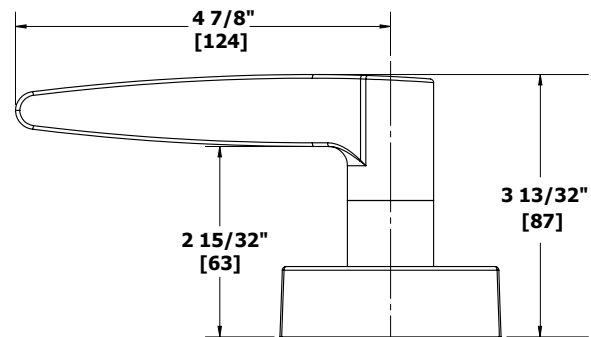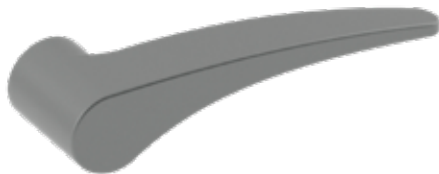
4 7/8"
[124]

2 15/32"
[63]

3 13/32"
[87]

WILLIAM LEVER

5 1/32"
[128]

3 1/2"
[89]

1/2"
[13]

WITHNELL LEVER

4 1/16"
[103]

2 11/16"
[68]

1/2"
[12]
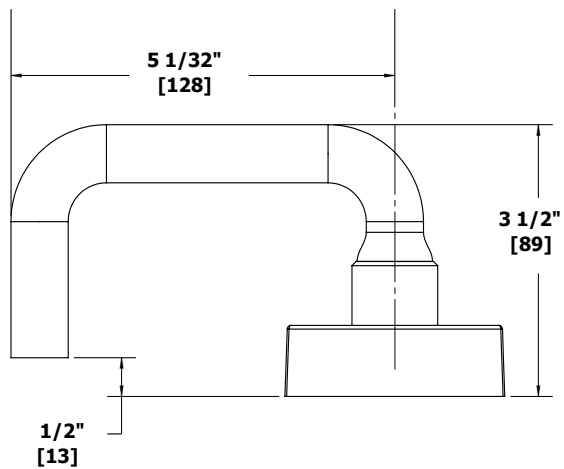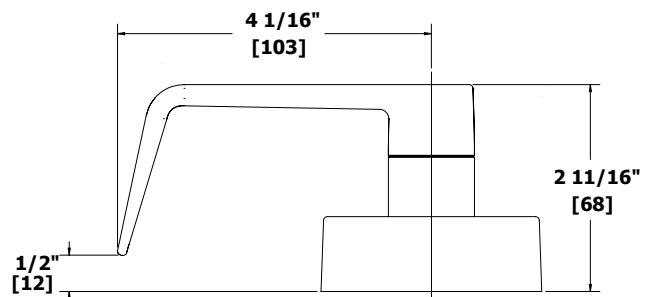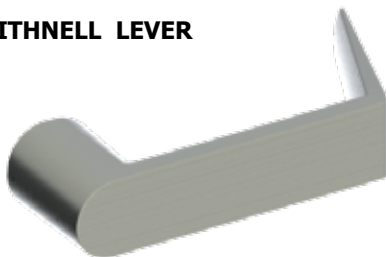
WARRANTY	Lifetime on hardware components

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, BLK (Not Available in US32D) • Anti-Microbial available with US26D

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

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

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

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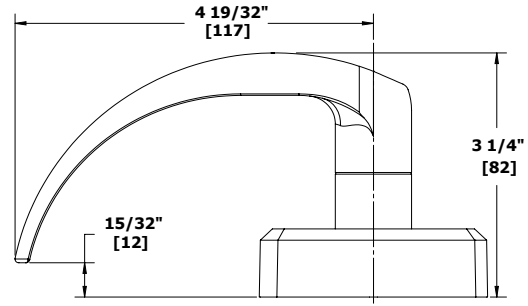ANSI Function: 03 - Key retracts latchbolt
Cylinder: Requires 3902, 1-5/8" mortise cylinder with standard cam (sold separately)
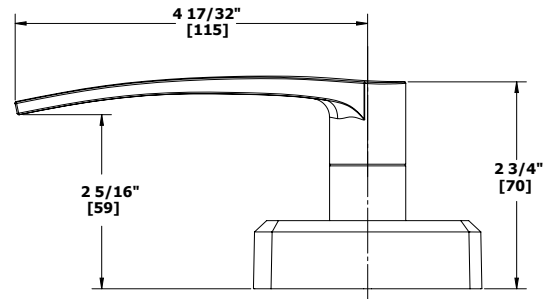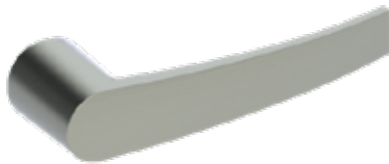
ARCHER LEVER

4 19/32"
[117]

3 1/4"
[82]

15/32"
[12]

AUGUST LEVER

4 17/32"
[115]

2 3/4"
[70]

2 5/16"
[59]

WILLIAM LEVER

5 1/32"
[128]

3 13/32"
[87]

13/32"
[11]

WITHNELL LEVER

4 3/32"
[104]

2 9/16"
[65]

11/32"
[9]
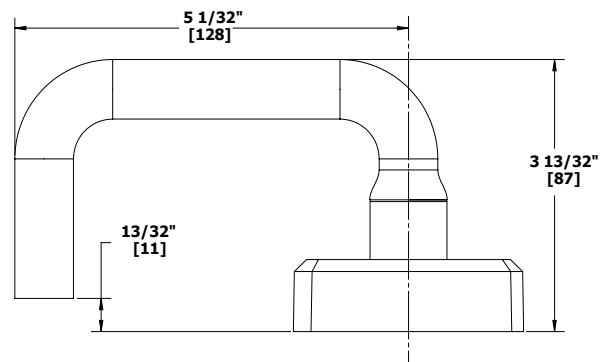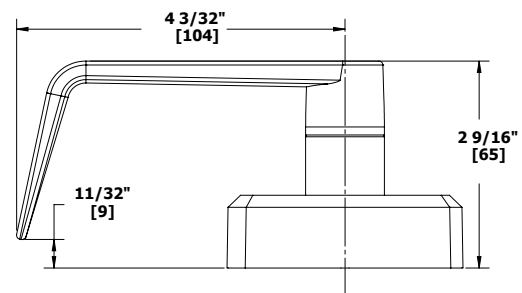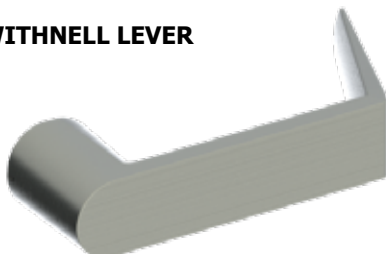
SPECIFICATIONS (45PD, 45PN, 45PT)

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, CVR, and CLB devices
	• 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
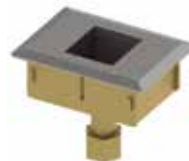
Finishes: US32D

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
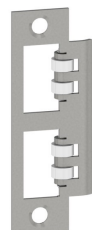
MORTISE EXIT STRIKE

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)

HAGER
COMPANIES

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

Standard

Flush

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

Finishes: Anti-microbial available with US26D, US32D.

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

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

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

Faceplate: 1-25/32" x 1" (45 mm x 25 mm)
Bolt Diameter: 7/16" (11 mm)
Bolt Length: 1-1/2" (38 mm)
Materials: Stainless steel
Packaging: One (1) each fire bolt, plastic plug, head cover plug, and appropriate fasteners
Notes: Required with a fire-rated pair of LBR or CLB devices to ensure rating