

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

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





4700 SERIES - COMPLIANCE AND CERTIFICATIONS

4700 SERIES

UL305 Listed for Panic Hardware



UL10C Positive Pressure Rated



UL10B Neutral Pressure Rated



Complies with ANSI A117.1 for Accessible Buildings and Facilities



ANSI A 250.13 Severe Windstorm Resistant Component

RIM	SVR
YES	YES
YES	YES
YES	YES
YES	YES
YES	---

4700 SERIES FIRE-RATED DEVICES

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

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

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



VR X VR SAME DIRECTION*
UL/cUL Listed for "A" Label Door Up to and Including...

VR X VR Double Egress
UL/cUL Listed for "A" Label Door Up to and Including...

RIM F	SVR F
3 HR 4'X8'	---
---	90 MIN 4'X8'
3 HR 8'X8'	---
---	90 MIN 8'X8'
---	90 MIN 8'X8'

*Currently, no door manufacturer offers a listing over 90 minutes with doors swinging same direction.
Consult wood door manufacturers for current UL listings.





4700 SERIES - GENERAL INFORMATION

Installation Made Easy

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

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

Shim Kits

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

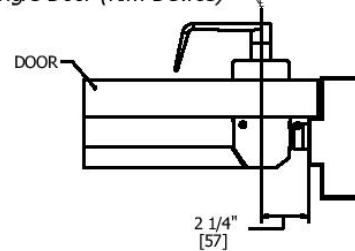
Sizing

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

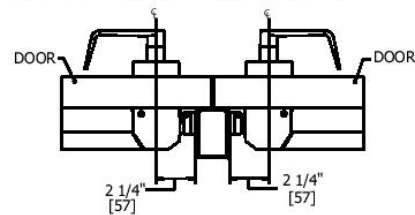
Trim Functions	Part Number	Function Description	ANSI Number
Passage	47BE* 47BT 47KP	Always operable (*specify handing when ordering)	14
Classroom	47CE* 47KE	Key locks or unlocks lever (*specify handing when ordering)	08
Dummy	47DT* 47KD 47PD 47RD	Pull when device is dogged down (*specify handing when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

Applications

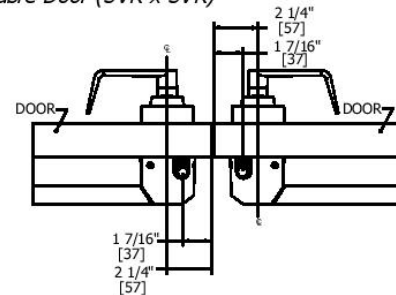
Single Door (Rim Device)



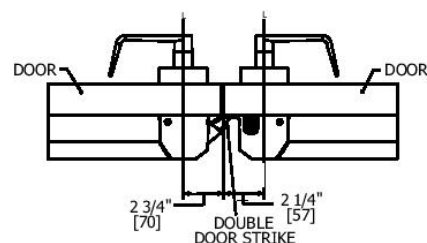
Double Door with Mullion (Rim x Rim)



Double Door (SVR x SVR)

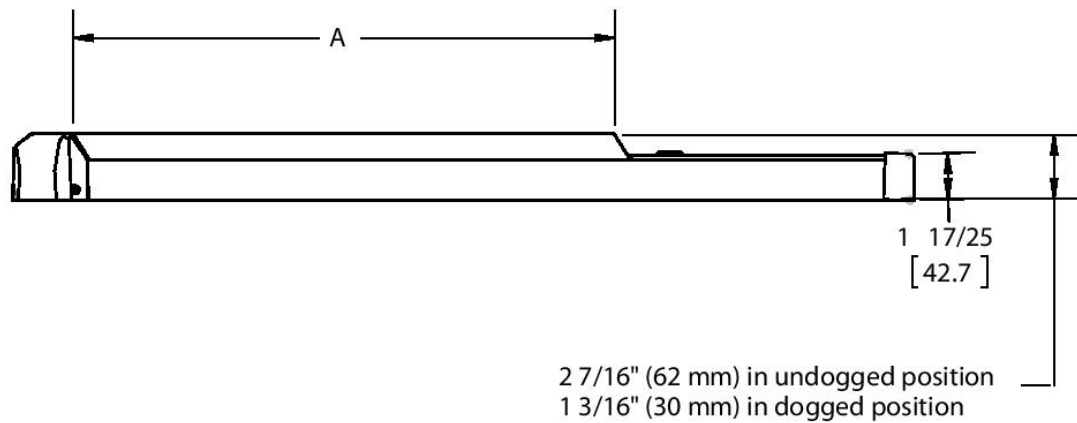
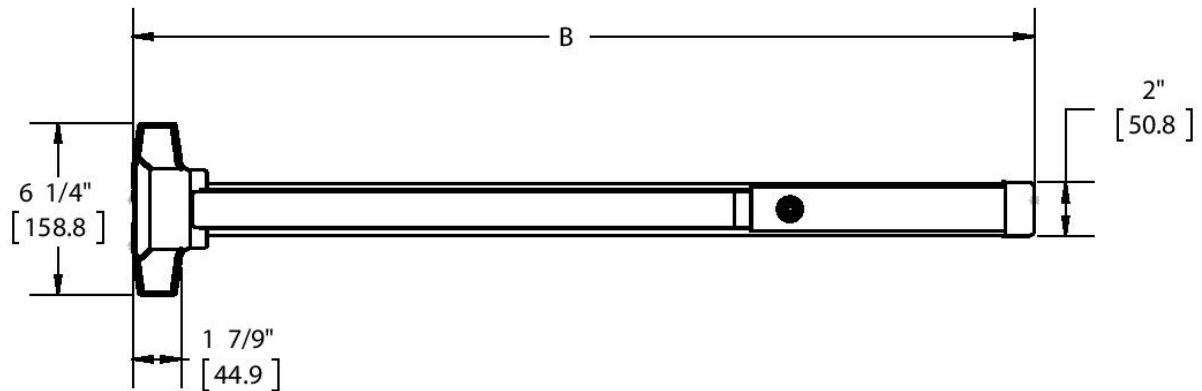


Double Door (SVR x Rim)





4700 SERIES - DEVICE PROFILE



4700 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 - HOW TO ORDER

4700 SERIES EXIT DEVICE

4701	RIM	F	36"	US3	2"
Product Group	Type	Rating	Size	Finish	Door Thickness
4700 Series, Standard Duty	RIM - Rim Device	F - Fire Rated	36"	US3	1-5/8"
	SVR - Surface Vertical Rod	O - Non-Fire Rated	48"	US32D	1-3/4"
			36" x 84"	ALM	2"
			36" x 96"	DBZ	2-1/4"
			48" x 84"		
			48" x 96"		

4700 SERIES TRIM

47	CE	RH	ARC	US3	2"	TW
Product Group	Trim/Function	Handing	Lever Style	Finish	Door Thickness	Options
47 - 4700 Series, Standard Duty	CE - Cylinder Escutcheon	RH - Right Handed / LHR	ARC - Archer	US3	1-5/8"	TW - Tactile Warning
	BE - Blank Escutcheon	LH - Left Handed / RHR	AUG - August	US32D	1-3/4"	A - Antimicrobial Coating
	NL - Night Latch		WTN - Withnell	ALM	2"	
	DT - Dummy Trim		APL - Apollo knob	DBZ	2-1/4"	
	KD - Key in Lever - Dummy Trim					
	KE - Key in Lever - Entrance					
	KN - Key in Lever - Night Latch					
	KP - Key in Lever - Passage					
	PD - Pull Plate Dummy Trim					
	PN - Pull Plate Night Latch					
	RD - Raised Lip Pull - Dummy Trim					
	RN - Raised Lip Pull - Night Latch					
	BT - Thumbpiece Pull Plate, Passage					
	PT - Thumbpiece Pull Plate, Entrance					

Notes:

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



4700 SERIES - STANDARD DUTY RIM DEVICE

WARRANTY

Five-year warranty

FEATURES

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



SPECIFICATIONS

Door Thickness:	1-3/4" (44 mm) - Standard
Door Width:	• 36" (914 mm) field sizeable to 30" (762 mm) door • 48" (1219 mm) field sizeable to 36" (914 mm) door
Projection:	• 2-7/16" (62 mm) in undogged position • 1-3/16" (30 mm) in dogged position
Stile Width:	• 4-1/2" (114 mm) - minimum stile width required for single door and 5/8" (16 mm) stop • 4-1/2" (114 mm) - minimum stile width required for double door x surface vertical rod device with double door strike • 3-3/4" (95 mm) - minimum stile width required for double door x mullion x 4920 strike • 5" (127 mm) - minimum stile width required for double doors with 2" (51 mm) mullion • All stile widths are measured from door edge
Notes:	• Cylinders sold separately • Escutcheon and thumbpiece pull plate trim is handed • Apollo knob is not ADA compliant • Recommended for use on appropriately reinforced doors

TRIM

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

FINISHES

US3, US32D, ALM, DBZ





4700 SERIES - STANDARD DUTY SURFACE VERTICAL ROD DEVICE

WARRANTY | Five-year warranty

FEATURES

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



SPECIFICATIONS

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

TRIM

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

FINISHES

US3, US32D, ALM, DBZ



4700 SERIES - ESCUTCHEON TRIM

WARRANTY | Five-year warranty

SPECIFICATIONS

Escutcheon: 1-11/16" x 7-7/8" (43 mm x 200 mm)

Handing: Specify when ordering

Door Thickness: For doors thicker than 1-3/4" or when used with a shim kit, must specify total door thickness

LEVERS | Archer, August or Withnell Levers

FINISHES | ALM, DBZ, US3, US32D



47BE

Blank Escutcheon

ANSI Function: 14 - Always operable (Passage)



47CE

Cylinder Escutcheon

ANSI Function: 08 - Key locks or unlocks lever

Cylinder: Requires 3902 mortise cylinder with standard cam (sold separately)



47DT

Dummy Trim

ANSI Function: 02 - Pull when device is dogged down



47NL

Night Latch

ANSI Function: 03 - Key retracts latchbolt

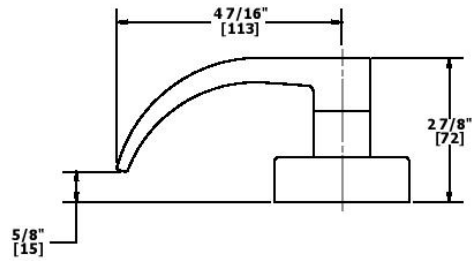
Cylinder: Requires 3902 mortise cylinder with standard cam (sold separately)



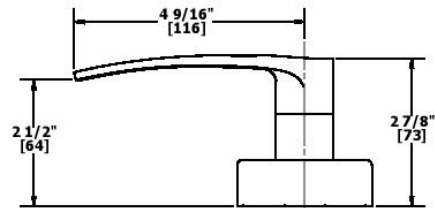


4700 SERIES - ESCUTCHEON TRIM - LEVER OPTIONS

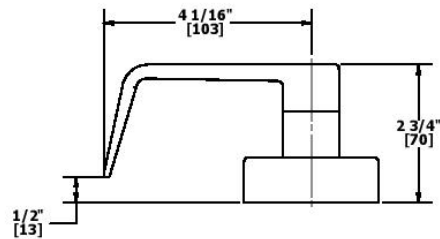
ARCHER LEVER



AUGUST LEVER



WITHNELL LEVER





4700 SERIES - KEY-IN-LEVER TRIM

WARRANTY | Five-year warranty

SPECIFICATIONS

Rose Diameter: | 3-3/8" (86 mm)

Notes: | Apollo knob is not ADA compliant. Best used where accessibility is not an issue.

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

FINISHES | ALM, DBZ, US3, US32D



47KD

Key-in-Lever Dummy Trim

ANSI Function: 02 - Entrance by trim when actuating bar is locked down



47KE

Key-in-Lever Entrance

ANSI Function: 08 - Entrance by lever; key locks or unlocks lever

Cylinder:

- Standard core, C keyway - Standard
- Small Format Interchangeable Core available. 3981 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

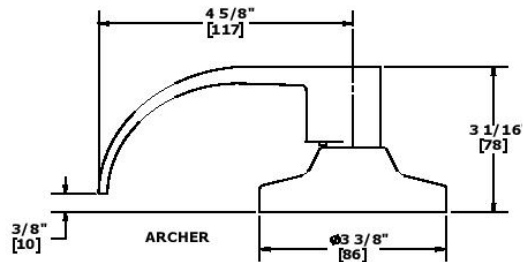
ANSI Function: 14 - Entrance by trim when latchbolt is released by lever; always active, no cylinder



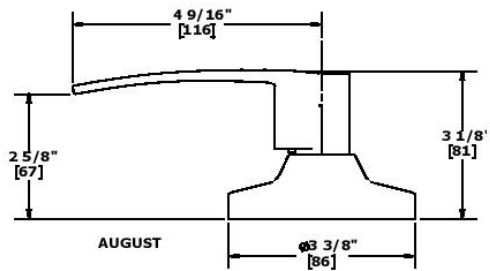


4700 SERIES - KEY-IN-LEVER TRIM - LEVER AND KNOB OPTIONS

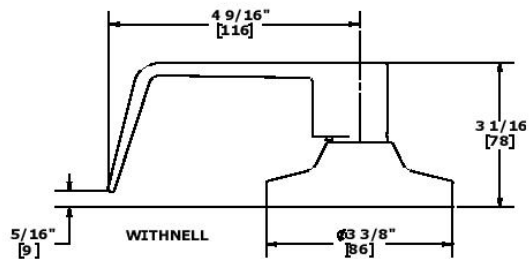
ARCHER LEVER



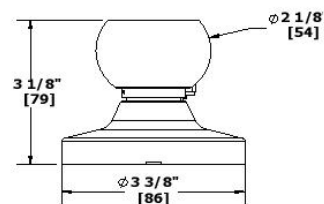
AUGUST LEVER



WITHNELL LEVER



APOLLO KNOB





4700 SERIES - PULL PLATE TRIM

SPECIFICATIONS

Escutcheon:

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

Projection: 1-3/4" (44 mm)

Pull CTC: 5-1/2" (140 mm)

FINISHES

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



47PD

Dummy Trim

ANSI Function: 02 - Pull when device is dogged down



47PN

Night Latch

ANSI Function:

Cylinder:

Notes:

03 - Key retracts latchbolt

Requires 3901 rim cylinder (sold separately)

Supplied with retaining cup for use with 161 door prep



47BT

Passage

ANSI Function:

Handing:

15 - Entrance by trim when latch is released by thumbpiece.

Thumbpiece is always active.

Specify when ordering



47PT

Entrance

ANSI Function:

Cylinder:

Handing:

05 - Entrance by thumbpiece. Key locks or unlocks thumbpiece.

Requires 3902 mortise cylinder 1-1/8" to 1-3/8" with standard cam (sold separately)

Specify when ordering





4700 SERIES - RAISED LIP TRIM

4700 SERIES - STRIKES

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 Rim exit device

Finishes: US32D

Notes: For use with panic- or fire-rated doors



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





4700 SERIES - ACCESSORIES



4934

Panic-Rated Dogging Plate

For use with 4700 Series exit devices

Finishes: US3, ALM, DBZ, US32D

Packaging: One (1) each dogging plate 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 (2-649-0144)

DBZ (2-649-0145)

US3 (2-649-0146)

US32D (2-649-0147)



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.