

## 4500 Series - Rim - Grade 1

**Description:** Rim > 4500 Series

**Application:** Heavy Duty Commercial

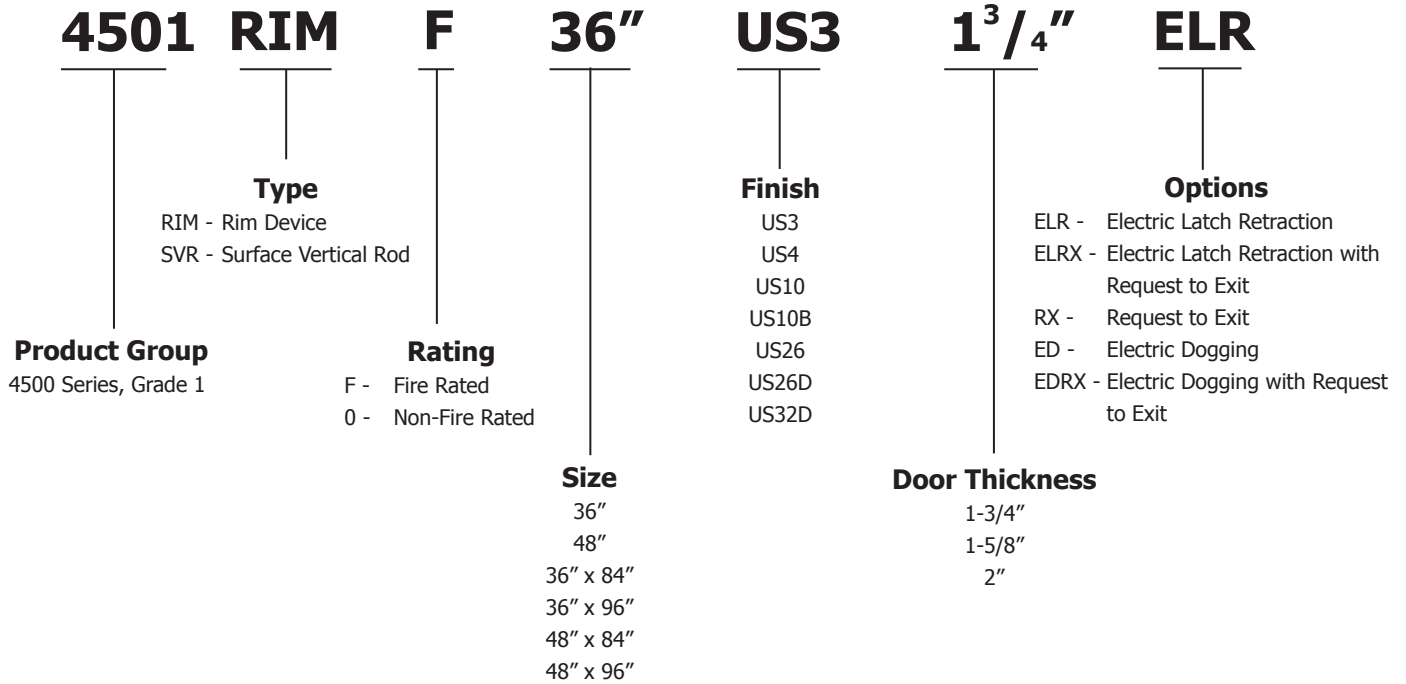


<p><b>Applications</b> - Heavy Duty Commercial</p> <p><b>Certifications</b> - BHMA Certified ANSI A156.3 Grade 1          - UL/cUL Listed for up to 3 hours for "A" label single doors          - UL10C/UBC 7-2 (1997) Positive Pressure Rated          - UL 10B Negative Pressure Rated          - Hex dogging feature standard on non-fire labeled doors          - Warnock Hersey listed for up to 3 hours with fire rated removable mullion          - Complies with ANSI A117.1 for accessible buildings and facilities          - ANSI A250.13 Severe Windstorm Resistant Component</p> <p><b>Trim</b> - Archer or Withnell lever with escutcheon          - Pull with Rim cylinder          - Note: Night Latch function requires Rim cylinder with long tailpiece</p> <p><b>Covers</b> - Stainless Steel, Zinc</p> <p><b>Housing</b> - Aluminum</p> <p><b>End Caps</b> - Brass, Bronze, Stainless Steel</p> <p><b>Door Width</b> - 36" field sizeable to 30"          - 48" field sizeable to 36"</p> <p><b>Door Thickness</b> - 1 3/4" - Standard</p> <p><b>Stile Width</b> - 5 3/8" - Min. stile width required for single doors and standard 5/8" stop          - 4 7/8" - Min. stile width required for double doors          - 5 3/4" - Min. stile width required for double door and 2" mullion          - (All stile widths are measured from the door edge)</p>	<p><b>Fasteners</b> - Wood and Machine Screws          - Thru-bolts</p> <p><b>Latchbolt</b> - 3/4" throw          - Stainless Steel with dead latch</p> <p><b>Strikes</b> - Stainless Steel with plated rollers - Standard          - Overlapping strike for pair of doors          - Surface applied to frame with slotted holes for easy adjustment          - Fire rated strike for use with mullions</p> <p><b>Finishes</b> - US3, US4, US10, US10B, US26, US26D, US32D          - Trim is only be available in US3, US4, US10, US10B, US26, and US26D</p> <p><b>Functions</b> - Cylinder Escutcheon 08 - Key locks or unlocks lever          - Blank Escutcheon 14 - Always active          - Night Latch 03 - Key retracts Latch          - Note: Night Latch function requires Rim cylinder with long tailpiece          - Dummy Trim 02</p> <p><b>Dogging</b> - Hex key dogging standard on panic-rated devices          - Cylinder dogging is available</p>
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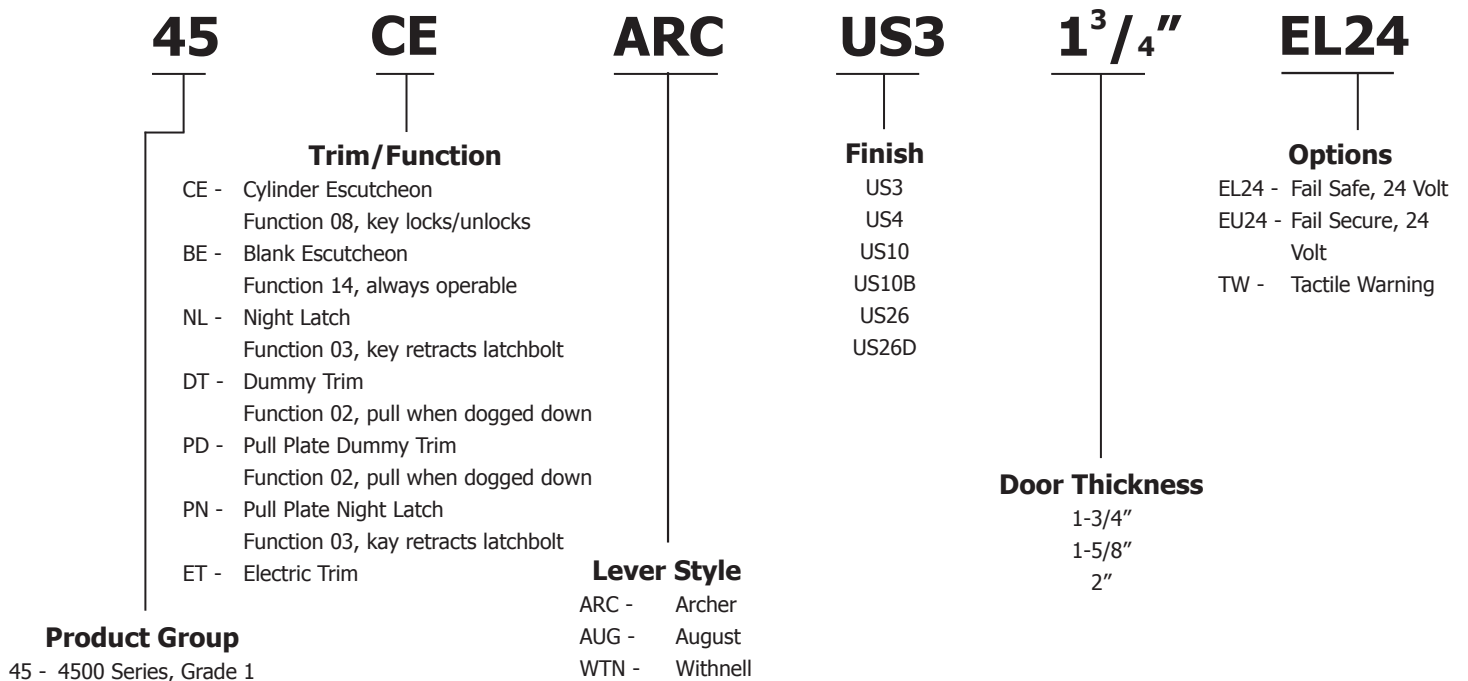




**HOW TO ORDER 4500 SERIES**



**HOW TO ORDER TRIM (Must be ordered separately)**



Notes:

1. Mortise cylinder 3902 is required for use with cylinder escutcheon and is sold separately.
2. Rim cylinder with long tailpiece 3901 is required for use with night latch trim and is sold separately.
3. For more cylinder information, please refer to General Information in the lock section of the catalog.





The following products have been approved for statewide acceptance by the Florida Building Commission pursuant to Rule 9B-72.090, F.A.C., for approval of products and systems for use on Exterior Swinging Door Assemblies, in compliance with the structural requirements of the 2007 Florida Building Code. Verification of Florida Statewide acceptance can be found at [www.floridabuilding.org](http://www.floridabuilding.org) under the Product Approval section.

**Severe Windstorm Resistant Components for Swinging Door Assemblies  
ANSI A250.13 - 2003 Standard**

Certified Hardware	Assembly Configuration	Door Size	Door Stiffness Class	Design Load	Florida Certification Number (FL#)
3100 Series Grade 1 Deadbolt	Single - Out Swing	3-0 x 7-0	-	1150 lbf (100 psf)*	6118
	Single - Out Swing	4-0 x 8-0	-	1150 lbf (70 psf)*	
3200 Series Grade 2 Deadbolt	Single - Out Swing	3-0 x 7-0	-	1150 lbf (100 psf)*	6118
	Single - Out Swing	4-0 x 8-0	-	1150 lbf (70 psf)*	
3400 Series Grade 1 Lockset	Single - Out Swing	3-0 x 7-0	-	1150 lbf (100 psf)*	6118
	Single - Out Swing	4-0 x 8-0	-	1150 lbf (70 psf)*	
3500 Series Grade 2 Lockset	Single - Out Swing	3-0 x 7-0	-	860 lbf (80 psf)*	7683
	Single - Out Swing	4-0 x 8-0	-	860 lbf (50 psf)*	
3800 Series Grade 1 Mortise	Single - Out Swing	3-0 x 7-0	-	1150 lbf (100 psf)*	12932
	Single - Out Swing	4-0 x 8-0	-	1150 lbf (70 psf)*	
4500 Rim Exit Device	Single - Out Swing	4-0 x 8-0 max.	I	+/- 70 psf 350 ft-lbs Impact	9481
4500 SVR Exit Device	Out Swing	8-0 x 8-0 pair max.	I	+/- 50 psf 350 ft-lbs Impact	13178
4700 Rim Exit Device	Single - Out Swing	4-0 x 8-0 max.	I	+/- 40 psf 350 ft-lbs Impact	8293
780-112 Roton Hinge	Single Swing	4-0 x 8-0 max.	I	1150 lbf (72 psf)* 350 ft-lbs Impact	6118
780-111, 780-224, 780-226 Roton Hinge (SD & HD)	Single Swing	4-0 x 8-0 max.	I	1150 lbf (72 psf)* 350 ft-lbs Impact	13776
BB1191 Hinge	Single - Out Swing	-	-	1780 lbf**	6118
1279, 1191, BB1279, BB1168, BB1199	Single - Out Swing	-	-	1780 lbf**	13776

\* Load in parenthesis indicates the equivalent load in pounds per square foot based on indicated door size and door stiffness (if applicable). This load is based on the hardware item taking half of the force applied to the door assembly by the wind load and the hinges taking the other half.

\*\* This load indicates the design load for a single butt hinge. Maximum wind load should be calculated based on door size, number of hinges used, and the other available door hardware on the door assembly.