rugged reliability

introduction

It's no secret that the 2100 series flatbar exit device has a reputation as the right choice for meeting the rigors of demanding industry segments.

The quality and certified ANSI/BHMA A156.3 Grade 1 performance of the 2100 series are unmatched in the security industry. So it's no wonder that architects and specifiers request it for their toughest applications.

Patented mechanisms made of heavily electroplated high-grade steel and non-ferrous materials provide sturdy construction and superior protection against corrosion. High quality finishes of baked powder coatings resist rust and abrasion, with cosmetic and functional life extended to match that of the architectural finishes offered on the optional outside trim.

In an evolutionary move for the 2100 series devices, Yale also offers architectural-grade finishes. Architectural finishes add new dimensions of versatility to the 2100 series, making it a perfect fit for prominent entryways in office buildings, department stores, movie theaters and other venues that call for a blending of performance and style.

contents

ANSI/BHMA

Certified ANSI/BHMA A156.3, Grade 1.

BHMA CERTIFIED™

fire listings

2100F series exit devices are UL-cUL Listed for use on fire doors having a rating up to and including 3-hours unless otherwise noted.

Note: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Yale Locks & Hardware makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

free wheeling lever trim

2100 exit device lever trims feature the unique Free Wheeling lever mechanism. This Free Wheeling trim features a clutch mechanism which allows the lever to float down 60° when operated in the locked condition, greatly improving vandal resistance.

Free Wheeling™

windstorm

Certified (refer to local codes). Specify suffix "WS" to 2100(F) device.

Hurricane

iso 9001

Designed and manufactured under a certified ISO 9001 quality system.

warranty

The 2100 series exit devices carry a three-year warranty. Rose trims carry a two-year warranty and escutcheon trims carry a five-year warranty.

microshield®

2100 series exit devices and trims are available with *MicroShield* antimicrobial coating. *MicroShield* is a revolutionary hardware finish coating which inhibits the growth of bacteria, algae, yeast fungus, mold and mildew. *MicroShield* is non-toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code "YMS".

Note: *MicroShield* coating may vary finish color from architectural standards. *MicroShield* is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated products must still be cleaned to insure the surfaces will be free of destructive microbes. Yale makes no representations or warranties, express or implied, as to the efficacy of the *MicroShield* antimicrobial. A copy of the *MicroShield* warranty is available upon request.

finishes

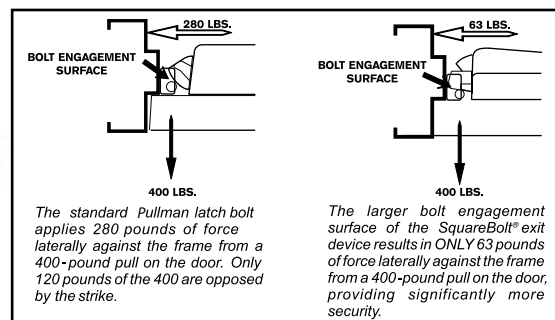| ANSI/BHMA Code	Finish Description
613E	Dark Oxidized Satin Bronze - equivalent
630	Satin Stainless Steel *MicroShield™*
689	Aluminum Painted
691	Light Bronze Painted
693	Black Painted
695	Dark Bronze Painted

MicroShield™ **Finish available with MicroShield® antimicrobial coating, additional finishes by special application. Consult factory for availability.**

SquareBolt®

2150(F)

Just as easy to open as traditional latchbolts, the SquareBolt® exit device's unique construction offers innovative protection. Its patented *SquareBolt* (Pat. no. 5,605,362) design presents an improved physical barrier over standard rim latchbolts. The *SquareBolt* exit device locks into place and stays there. Credit cards, crowbars, door rattling and shaking are resisted, significantly reducing the threat of unauthorized entry.

280 LBS.
BOLT ENGAGEMENT SURFACE
400 LBS.
The standard Pullman latch bolt applies 280 pounds of force laterally against the frame from a 400-pound pull on the door. Only 120 pounds of the 400 are opposed by the strike.

63 LBS.
BOLT ENGAGEMENT SURFACE
400 LBS.
The larger bolt engagement surface of the SquareBolt® exit device results in ONLY 63 pounds of force laterally against the frame from a 400-pound pull on the door, providing significantly more security.

certification/compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware
GXHX/GXHX7 - Fire exit hardware (F)
(4' x 8' single, 8' x 8' pairs, 3 hr.)

ANSI/BHMA Certified: A156.3 Type 1 or 28, Grade 1 **BHMA CERTIFIED**

U.S. Patent #: 5,605,362

features

- Patented *SquareBolt* security deadbolt (Pat. no. 5,605,362) designed for maximum holding power
- Designed for wide stile doors
- Non-handed for easy installation
- Steel interlock "E" bracket maintains door-to-mullion relationship in fire-labeled devices

applications

- Single swing doors
- Pairs of doors (mullion required)
- Metal, wood or composite door materials

specifications

Door Opening Width:	-36 for 30" - 36" (76cm - 91cm) doors -42 for 36" - 42" (91cm - 107cm) doors -48 for 42" - 48" (107cm - 122cm) doors
Door Thickness:	1-3/4" (44mm) standard. Optional door thicknesses available to 4-1/2"; specify door thickness when ordering.
Minimum Stile Width:	4-1/2" (114mm)
Projection:	2-1/2" (64mm) active, 1-3/4" (44mm) depressed
Deadbolt:	Patented 1" (25mm) slide projection bolt with full 3/4" (19mm) projection
Strike:	757F, 793 optional (double door application, panic only)
Fasteners:	Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.
Trims:	121NL cylinder only, 210F series utility trim, 440F series rose trim, 580F series rose trim with escutcheon plate, 620F series escutcheon trim, 630F series pull/thumbpiece trim. See pages 13-15.
Dogging:	Hex key dogging supplied standard on panic devices
Finishes:	613E, 630, 689, 691, 693, 695
Options:	Shim kit #223, sex nuts and bolts, MicroShield®
Warranty:	3-year limited

rim

2100(F)

The 2100(F) is a rim exit device to be used with single doors or pairs of doors constructed of metal, wood or composite materials. The 2100(F) can be paired with a wide variety of trims to meet many applications.

certification/compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware
GXHX/GXHX7 - Fire exit hardware (F)
(4' x 8' single, 8' x 8' pairs, 3 hr.)
ZHEM - Latching hardware
ZHLA - Windstorm rated assemblies

ANSI/BHMA Certified: A156.3 Type 1, Grade 1

features

- Designed for wide stile doors
- Non-handed for easy installation
- Steel interlock "E" bracket maintains door-to-mullion relationship in fire-labeled devices
- Deadlocking pullman latchbolt positively engages roller strike
- Available certified hurricane resistant (refer to local codes). Specify 2100(F)WS **Hurricane**

applications

- Single swing doors
- Pairs of doors (mullion required)
- Metal, wood or composite door materials

specifications

Door Opening Width:	-36 for 30" - 36" (76cm - 91cm) doors -42 for 36" - 42" (91cm - 107cm) doors -48 for 42" - 48" (107cm - 122cm) doors
Door Thickness:	1-3/4" (44mm) standard. Optional door thicknesses available to 4-1/2"; specify door thickness when ordering.
Minimum Stile Width:	4-1/2" (114mm)
Projection:	2-1/2" (64mm) active, 1-3/4" (44mm) depressed
Latchbolt:	3/4" (19mm) deadlocking stainless steel pullman-type
Strike:	757F, 793 optional (double door application, panic only)
Fasteners:	Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.
Trims:	121NL cylinder only, 210F series utility trim, 440F series rose trim, 580F series rose trim with escutcheon plate, 620F series escutcheon trim, 630F series pull/thumbpiece trim. See pages 13-15.
Dogging:	Hex key dogging supplied standard on panic devices
Finishes:	613E, 630, 689, 691, 693, 695
Options:	Shim kit #223, sex nuts and bolts, MicroShield®
Warranty:	3-year limited

ordering information

2	1	X	0	Suffix	-XX	Outside Trim	Finish	Other Info
		Third Digit: **"0"** - Rim Device, Pullman Latch **"1"** - SVR Device **"2"** - CVR Device **"5"** - SquareBolt® Rim Security **"6"** - CVR Device **"7"** - SVR Device	**Fourth Digit:** **"0"** - Standard	**No Suffix** - Panic label **"F"** - Fire exit device **"WS"** - Windstorm Certified Products (see notes 4, 5, 6)	**Size: (DOW=Door Opening Width)** **"36"** - 30" - 36" (0.76m to 0.91m) DOW **"42"** - 36" to 42" (0.91m to 1.07m) DOW **"48"** - 42" to 48" (1.07m to 1.22m) DOW	**Trim Model Number** **See pages 12-15**	613E 630 689 691 693 695	**Door Hand** - RHR or LHR (vertical rod devices or lever escutcheon trim only). Rim devices are field reversible. **SN-134, 1/4-20 Sex Nuts (pack of 4).** **SN-104, 10-24 Sex Nuts (pack of 4).** **Door thickness: over 1-3/4" (45mm).** **Rod Extensions:** (quantity) 2010-2 (quantity) 2010-6 (quantity) 2010-12 (quantity) 2010-24 **Shim Kits:** (quantity) 223 (quantity) 224 **Optional Strike** **Bottom Pullman Latch** **Removable Mullion:** M200, Panic Exit M200F, Fire Exit KRM200, Panic Exit KRM200F, Fire Exit **Custom Cylinder & Cylinder Collar Factory Keying**

Notes:
1. **It is recommended that exit devices and trim for the same opening be ordered together.**
2. **Standard product is for 1-3/4" (44mm) reinforced metal doors.**
3. **Accessories detached from the device and trim should be specified separately.**
4. **"WS" applies only to 2100(F) devices.**
5. **Maximum opening size 3'0" x 7'0".**
6. **Contact Ceco, Curries® or Fleming for detailed frame/door requirements and limitations.**