

80 Series








Exit Device



Copyright © 1998-2021, SARGENT Manufacturing Company. All rights reserved. Reproduction in whole or in part without the express written permission of SARGENT Manufacturing Company is prohibited. Patent pending and/or patent www.assaabloydss.com/patents.

Table of Contents

80 Series

Features and Innovations	6
UL Fire Door Ratings and Opening Sizes	6
Windstorm Certifications	7
Rim Exit Device for Wide Stile Doors (Panic & Fire Rated)	
 8888/8810 Multi-Function Rim Exit Devices & Trims	8-9
8800 Rim Exit Devices	10
8800 Functions & Trims	11
Mortise Lock Exit Device for Wide Stile Doors (Panic & Fire Rated)	
 8900 Mortise Exit Devices	12
8900 Functions & Trims	13
Surface Vertical Rod Exit Device for Wide Stile Doors (Panic & Fire Rated)	
 8700 SVR Exit Devices	14
8700 Functions & Trims	15
NB8700 Less Bottom Rod SVR Exit Devices	16
NB8700 Functions & Trims	17
Concealed Vertical Rod Exit Device for Wide Stile Doors (Panic & Fire Rated)	
 MD8600 (Windstorm Rated) & NB-MD8600 Concealed Vertical Rod Exit Device for Metal Doors	18
MD8600 & NB-MD8600 Functions & Trims	19
AD8600 & NB-AD8600 CVR Devices for Aluminum Doors	20
AD8600 & NB-AD8600 Functions & Trims	21
WD8600 & NB-WD8600 CVR Devices for Wood Doors	22
WD8600 & NB-WD8600 Functions & Trims	23
Narrow Design Rim Exit Device for Wide & Narrow Door Stiles (Panic & Fire Rated)	
 8500 Rim Exit Devices	24
8500 Functions & Trims	25
AD8500 Narrow Design Rim Exit Device for Aluminum Doors	26
AD8500 Functions & Trims	27
Narrow Design Mortise Lock Exit Device for Wide Door Stiles (Panic & Fire Rated)	
 8300 Mortise Exit Devices	28
8300 Functions & Trims	29
Narrow Design Concealed Vertical Rod Exit Device for Wide & Narrow Stiles (Panic & Fire Rated)	
 MD8400 & NB-MD8400 Narrow Stile CVR Devices for Metal Doors	30
MD8400 & NB-MD8400 Functions & Trims	31
AD8400 & NB-AD8400 Narrow Stile CVR Devices for Aluminum Doors	32
AD8400 & NB-AD8400 Functions & Trims for Aluminum Doors	33

Copyright © 1998-2021, SARGENT Manufacturing Company. All rights reserved. Reproduction in whole or in part without the express written permission of SARGENT Manufacturing Company is prohibited. Patent pending and/or patent: www.assaabloydss.com/patents.

Low Profile Center & Top Latching Vertical Rod Exit Device (Panic & Fire Rated)



LP8600 & LR8600 Center & Top Latching Exit Devices for Pairs of Doors	34
LP8600/LR8600 Functions & Trims for Pairs of Doors	35
LS8600 Center and Top Latching Vertical Rod for Single Door Applications	36
LS8600 Functions & Trims for Single Doors.	37

UL Listed Windstorm Products

MD8600 & NB-MD8600 Concealed Vertical Rod Exit Devices: UL Hurricane-Resistant.	38-39
HC8800 Rim Exit Devices: UL Listed Hurricane-Resistant	40-41
WS8800 Rim Exit Devices: UL Listed Hurricane-Resistant	42-43
WS8900 Mortise Exit Device: UL Listed Hurricane-Resistant.	44-45
HC4-8700 SVR Exit Devices: UL Listed Hurricane-Resistant (up to 150 psf)	46-47
HC8700 SVR Exit Devices: UL Listed Hurricane-Resistant (up to 65 psf)	48-49
FM8700 2-Point SVR Exit Device: UL Listed Tornado-Resistant ICC500 (2014).	50-51

Electrical Options

ElectroLynx® Information & Option Compatibility Chart	52
Security Shim Kit Option	53
SARGuide PL- & TL- Options & Latch Bolt Monitoring Option (53-)	54
Alarm (AL-) Option & Request-to-Exit (55-) Option	55
Electric Latch Retraction Option (56-)	56
Electric Latch Retraction Motor Kits & Push Rail Kits	57
Delayed Egress Option (57-) & Electro-Magnets.	58-59
Electric Dogging (58-)	60
ElectroGuard Delayed Egress Option (59-)	61
Electrified & Monitored (54-) ET Trims & Power Supplies	62

Lever and Trim Designs

ET Trim, Levers and Pulls	63
Coastal Series Levers & Thumbpiece Pulls	64
Studio Collection Levers	65-66
Ordering Gramercy Series Levers	67
Anti-Vandal Trim, 988 Surface Bolt, ET Plates & Dummy Rails	68

Miscellaneous

Cylinder Information	69
Mullions: Aluminum, Steel & Electrified.	70
Mullion Accessories and Stabilizers	71
Through-bolt Kits, Rod Extensions and Shim Kits	72
Door Coordinators, End Caps and Cylinder Dogging Kits	73
Rail Sizes and How to Order ET Trim	74
Mechanical Options & Descriptions.	75
Cylinder Options & Descriptions	76
How to Order.	77
Finishes & Finish Care	78
Architectural Specifications	79

Copyright © 1998-2021, SARGENT Manufacturing Company. All rights reserved. Reproduction in whole or in part without the express written permission of SARGENT Manufacturing Company is prohibited. Patent pending and/or patent www.assaabloydss.com/patents.

Features and Innovations

80 Series

SARGENT manufactures a full line of exit devices including vertical rod, rim and mortise for both standard and narrow stile doors. These devices provide the best combination of simplicity, strength, durability, aesthetics and innovation and are perfect for applications such as commercial office buildings, medical and educational institutions.

Simplicity

- Easy installation and maintenance-free design
- “True” architectural hardware finishes consistent with BHMA/ANSI standards
- Few moving parts – less wear
- Modular construction

Hurricane-Resistant Products and Certifications

- UL Certified Latching Hardware and Assemblies (ZHEM & ZHLL)
- Product-specific detailed certifications and listings
- Available with Rim, Mortise, SVR & CVR devices

Security

- Double cylinder functions available
- Torx® and spanner screws
- Anti-vandal trim options
- Master keying with SARGENT Security Key systems available (Signature, Keso F1, Keso and XC)

Strength & Durability

- Made of finest component materials
- Heavy duty mounting construction
- Built to withstand abusive conditions
- 5 Year warranty

Innovation

- Broad offering of electro-mechanical solutions for the most demanding access/egress control applications
- **MicroShield®** anti-microbial finish coating offers a new level of protection
- **SARGuide™** exit device contains an electroluminescent touchpad to enhance the visibility of exit locations in dark or smoke-filled passages and effectively improve the safety of any public building
- CTL (Center and Top Latching) Vertical Rod Devices offer less bottom rod convenience with true center latching for added security

EcoFlex®



- Reduces energy consumption up to 95% for exit trim, as certified by Green Circle, which lowers operating costs; assists with load reduction in optimizing energy performance credit in LEED, and reduces the number of power supplies requires.
- Field configurable to fail-safe or fail-secure, and operates from 12-24VDC, offering greater flexibility in system design.
- Innovative actuator design provides superior reliability through higher performance and reduced maintenance; the ability to have longer cable runs without negatively impacting lock function. It reduces the risk of voltage drops and eliminates inductive kickback, and lowers the total cost of owner ship.

MicroShield® Coating

MicroShield®

ASSA ABLOY Group companies offer MicroShield®, an anti-microbial coating for door hardware. MicroShield uses proven silver ion-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield® is a trademark of the respective ASSA ABLOY Group company.



The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to ensure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request. Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

SARGuide™

The TL- SARGuide Electroluminescent exit device increases visibility of exit locations in dark or smoke-filled passages, supplementing existing codes for egress lighting.

- SARGuide utilizes state-of-the-art FLATLITE electroluminescent lighting from E-Lite Technologies Inc.
- Can be wired in conjunction with Fire Alarm system or can be wired for continuous operation.
- UL Listed for use on panic (UL 305) and fire-rated (UL 10C) exit devices.

The PL- SARGuide Photoluminescent Exit Device is a non electrical option which produces visible EXIT signage in darkness or low lit areas.

- Approved for use in New York City in accordance with RS 6-1 and RS 6-1A.
- Recharges from ambient light.
- No wiring or maintenance needed.



Experience a safer
and more open world

UL Fire Door Ratings and Openings Sizes

80 Series

SARGENT
ASSA ABLOY

Maximum Door Opening-Fire Doors

Type	Exit Device	Door Material	Single Door	with 12-HC980 or 12-980 or 12-HCL980 Mullion	with 12-L980	with 12-HD980 Mullion	VR/VR Doors Swing Same Direction	SVR/Mortise Doors Swing Same Direction	CVR/Mortise MD Doors Swing Same Direction	CVR/Mortise WD Doors Swing Same Direction	VR/VR Double Egress
Rim	12-8800	Metal	3 Hour 4' x 10'	3 Hour 8' x 8'	1.5 Hour 8' x 8'	3 Hour 8' x 10'	—	—	—	—	—
	12-8500	Metal	3 Hour 4' x 8'	3 Hour 8' x 8'	1.5 Hour 8' x 8'	3 Hour 8' x 8'	—	—	—	—	—
Mortise Lock	12-8900	Metal	3 Hour 4' x 10'	—	—	—	—	3 Hour 8' x 8'	3 Hour 8' x 10'	—	—
	12-8300	Metal	3 Hour 4' x 10'	—	—	—	—	—	3 Hour 8' x 10'	—	—
SVR	12-FM8700	Metal	3 Hour 4' x 8'	—	—	—	3 Hour 8' x 8'	—	—	—	—
	12-8700	Metal	—	—	—	—	3 Hour 8' x 8'	3 Hour 8' x 8'	—	—	3 Hour 8' x 8'
	12-NB8700	Metal	—	—	—	—	3 Hour 8' x 10'	—	—	—	3 Hour 8' x 10'
CVR	12-MD8600	Metal	—	—	—	—	3 Hour 8' x 10'	—	3 Hour 8' x 10'	—	3 Hour 8' x 10'
	12-NB-MD8600	Metal	—	—	—	—	3 Hour 8' x 10'	—	—	—	3 Hour 8' x 10'
	12-MD8400	Metal	—	—	—	—	3 Hour 8' x 10'	—	3 Hour 8' x 10'	—	3 Hour 8' x 10'
	12-NB-MD8400	Metal	—	—	—	—	3 Hour 8' x 10'	—	—	—	3 Hour 8' x 10'
CVR/Mortise	12-LS8600	Metal	3 Hour 4' x 10'	—	—	—	—	—	—	—	—
	12-LP8600 & 12-LR8600	Metal	—	—	—	—	3 Hour 8' x 10'	—	—	—	3 Hour 8' x 10'

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company 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.

Notes:

- Please contact door manufacturer for specifications regarding fire door construction.
- Consult wood door manufacturers for current UL listing.

Copyright © 1998-2021, SARGENT Manufacturing Company. All rights reserved. Reproduction in whole or in part without the express written permission of SARGENT Manufacturing Company is prohibited. Patent pending and/or patent www.assaabloydss.com/patents.

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing’s products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 80 Series lock.

Florida Building Code: FL2998

UL Certification Directory: ZHEM.R21744 – Latching Hardware

ANSI/SDI-BHMA A250.13	“Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies”
ANSI/ASTM E330	“Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference”
ANSI/ASTM E1886	“Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials”
ASTM E1996	“Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes”
(TAS) 201	“Impact Test Procedures”*
(TAS) 202	“Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference”
(TAS) 203	“Criteria for Testing Products Subject to Cyclic Wind Pressure Loading”**

* Published in the “Florida Building Code”

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company 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.

UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies

Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

ASTM E330	“Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference”
ANSI/ASTM E1886	“Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials”
ASTM E1996	“Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes”
AAMA/WDMA/CSA 101/I.S.2/A440	“Standard/Specification for Windows, Doors, and Unit Skylights”
FEMA Publication 320 (2014)	“Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business”, investigated with respect to impact and pressure requirements only.
FEMA Publication 361 (2015)	“Design and Construction Guidance for Community Safe Rooms”, investigated with respect to impact and pressure requirements only.
ICC 500 (2014)	“ICC/NSSA Standard for the Design and Construction of Storm Shelters”, investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company 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.

Copyright © 1998-2021, SARGENT Manufacturing Company. All rights reserved. Reproduction in whole or in part without the express written permission of SARGENT Manufacturing Company is prohibited. Patent pending and/or patent: www.assaabloydss.com/patents.

8888/8810 Multi-Function Rim Exit Device and Trims

80 Series

SARGENT
ASSA ABLOY



8888/8810 Multi-Function exit device and trim

- Device & trim sold separately; easy to mix and match
- Designed for standard width stile applications on wood and metal doors
- 7 functions available as determined by the trim function
- 3 trim designs available:
 - 700 ET Controls
 - 88 Lever & Rose trim
 - Pull trims
- Single and double door applications with a mullion

Specifications

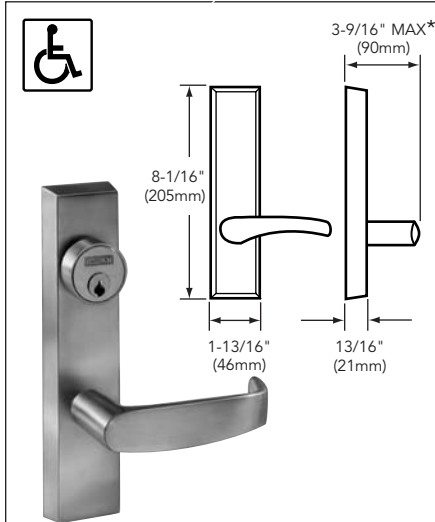
Door Type	Wood or metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2-1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile width
Mounting	Supplied standard with wood and machine screws Available with through-bolts and mortise nuts
Chassis Cover	Cold drawn stainless steel, brass or bronze with ANSI/BHMA Finishes
Chassis	Nonferrous alloy (Panic) Ferrous alloy (Fire Rated)
Rails	Roll Formed Stainless Steel, Brass or Bronze with ANSI/BHMA Finishes
Hand	Non-handed
Dogging Feature (Non 12- only)	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Latchbolt	Stainless steel, 3/4" (19mm) throw
Strike	649 Strike supplied standard for panic & fire rated openings
Fire Exit Hardware	See chart - Page 6

The 8888/8810 Rim Exit Device

- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed
- Device is non-handed
- ANSI/BHMA architectural finishes
- Four standard sizes available

To Order: Specify options, 8888 or 8810, Rail Size and Finish
Example: 12-19-8888F x 32D

700 Series ET Control



The 700 Series ET Control is sold separately from the exit device and can be used with 8888 & 8810 Exit Device. The trim is non handed and is through-bolted to the chassis for greater security and durability. Available in 7 functions and SARGENT Studio, Coastal and standard lever designs to accommodate most requirements.

- ANSI/BHMA Finishes
- Easy operating lever handle allows convenient one hand operation
- ET trim is not available in 32 or 32D
- Stainless steel levers are available

Rail Chart

- Rails are available in 4 sizes, use door width to determine size needed.
- Rails will be factory cut to size if door width is supplied or can be cut in the field

Stock Size	Door Widths	Remarks
E	24" to 32" (61cm to 81cm)	No cutting required for 32" (81cm) door
F	33" to 36" (84cm to 91cm)	No cutting required for 36" (91cm) door
J	37" to 42" (94cm to 107cm)	No cutting required for 42" (107cm) door
G	43" to 48" (110cm to 122cm)	No cutting required for 48" (122cm) door

88 Lever and Rose Trim



LB
ROSE: L
LEVER: B



- The 88 Lever and Rose Trim is sold separately from the exit device and can be used with 8888 & 8810 Exit Device.
- The trim is non handed and is through-bolted to the chassis for greater security and durability. Available in 4 functions and 4 lever designs to accommodate most requirements.

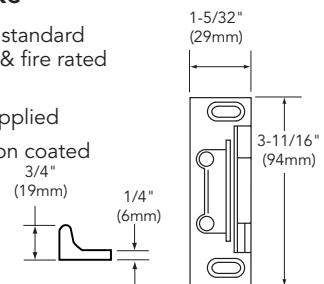
688 Trim Retrofit Kit



- 688 Trim Retrofit kit allows an 8810/8888 rim exit with an ET to replace Von Duprin's 98/99 series exit with trim with minimal door prep.
- Order as: 688 Kit

649 Strike

- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated



8888/8810 Multi-Function Rim Exit Device and Trims

80 Series



How to order 8888/8810 Multi-Function Exit Devices:

Specify the following:

Options	Series	Rail	Finish
16-	8888 or 8810	F	32D

- All trims and functions listed on this page, work with 8888 & 8810 Exit Devices
- Available options listed at the right
- 8888 & 8810 are identical products and are non-handed
- Exit devices are not available in 14, 15, 26 and 26D finishes

How to order trim for 8888 & 8810 Exit Devices:

Specify the following:

Options	Trim Designation	Hand	Finish
10-	713-8 ET_*	RHR	26D
10-	88-CL_*	Non-Handed	10B
60-	814-MSL	RHR	04

*Specify lever design
Available Options listed at the right

700 Series ET Trim



SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	Trim Designations
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	704 ET_ x Hand & Finish
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only	710 ET_ x Hand & Finish
13	08	Key Outside Unlocks/Locks Trim #41 Cylinder Supplied	713-8 ET_ x Hand & Finish
15	14	Passage Only (No cylinder)	715-8 ET_ x Hand & Finish
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim	740 ET_ x Hand & Finish
43	08	Freewheeling Trim - Key Outside Unlocks/Locks Trim #41 Cylinder Supplied	743-8 ET_ x Hand & Finish
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied	744 ET_ x Hand & Finish

Note: ET trim is not available in 32 (629) or 32D (630)

700 Series ET Controls

To order: Specify options followed by trim designation, lever design, hand and finish (as shown to the right).
Example: 11-SG-713-8 x RHR x 10B

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

88 Lever and Rose Trim

To order: Specify options followed by trim designation, lever design and finish (as shown to the right).
Example: 10-SG-88-CLP x 26D



ANSI Function Numbers	Description	Trim Designations
03	Key Retracts Latch Cylinder Supplied	88-KL_ x Finish
02	No outside Operation (No Cylinder) Dummy Trim	88-DL_ x Finish
08	Key Outside Unlocks/locks Trim Cylinder Supplied	88-CL_ x Finish
14	Passage Only (No cylinder)	88-LL_ x Finish

Lever Designs available for 88 Lever & Rose Trim are L, B, J & P

Note: For 88 Lever & Rose trim, the 1st letter is the function, the 2nd is the "L" Rose Design & the 3rd is the lever design specified

Keyed & Non Keyed Pull Trim for 8888 & 8810 Devices

Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify options, designation, finish & hand

Example: 10-SG-814-FSW x 04 x RHR

SARGENT Function #'s	ANSI	Description & Cylinder Info. (1-3/4" Door)	Trim Designations				
04	03	Key Retracts Latch #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STs
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STs

Note: 88 Lever & Rose trim & ET's are not available in 32(629) or 32D(630)

* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls, except for cylinder hole located 3/8" (9mm) lower

Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Experience a safer
and more open world

Options	
Exit	Trim
12-	10-
*16-	11-
19-	11-70-
43-	11-72-7P-
5CH-	11-73-7P-
GL-	21-
CPC-	22-
LC-	60-
LD-	63-
PL-	64-
	+70-
	+72-
	+73-
	+73-7P-
	+65-73-
	+65-73-7P-
	BR-
	LC-
	SC-
	SE-
	++ SF-
	*** SG-

* Supplied with standard 41 cylinder, for cylinder options, see trim options

** Only available with 15, 26D and 32D finishes

+ Single crossed options are not available with 88 Lever & Rose Trim with J Lever

++ Double Cross options are only available with 88 Lever & Rose Trim

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	613L
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630
BSP	—
WSP	—

Copyright © 1998-2021, SARGENT Manufacturing Company. All rights reserved. Reproduction in whole or in part without the express written permission of SARGENT Manufacturing Company is prohibited. Patent pending and/or patent: www.assaabloydss.com/patents.

8800 Rim Exit Device

80 Series

SARGENT
ASSA ABLOY

8800 Series Rim Exit Device



8800 Features

- Designed for standard width stile applications on wood and metal doors
- Also available as an HC8800 or WS8800 for hurricane-resistant applications, see Hurricane-Resistant section of this catalog
- Single point rim latching device
- Single door & double door applications with mullions
- Quiet operation and solid security
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed

Specifications 8800 Series Rim Exit Device

Door Type	Metal Doors
Door Thickness	1-3/4" (44mm) minimum thickness. For doors over 1-3/4" to 2 1/4" thick, specify thickness and order as 31-
Stile	4-1/2" (114mm) minimum stile width
Rail sizes as determined by door width	Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied. <ul style="list-style-type: none"> • E Rail for 24" to 32" door widths, No cutting required for 32" door • F Rail for 33" to 36" door widths, No cutting required for 36" door • J Rail for 37" to 42" door widths, No cutting required for 42" door • G Rail for 43" to 48" door widths, No cutting required for 48" door
Strike	649 Standard Black Nylon Coated
Optional Strikes	642, 644 and 613
Dogging Feature	Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)
Electric Options	AL- Alarm PL- SARGuide Photoluminescent Coated TL- SARGuide Illuminated Touchpad
	49- Indicator 53- LX Latchbolt Monitor 54- Outside Lever Monitoring 55- Request-to-Exit Signal - Rail Monitoring 56- Remote Latch Retraction 57- Delay Egress & Electromagnets 58- Electric Dogging 59- Electroguard – Self Contained Delayed Egress
Mounting Fasteners	Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts
Latch Bolt	Stainless steel, 3/4" (19mm) throw
Device Centerline from Finished Floor	41" (1041 mm) for Standard Applications
Center Case Dimensions	8-3/8" (213mm) x 2-5/8" (67mm)
Projection	Pushbar Neutral – 3" (76 mm) Pushbar Depressed – 2-1/8" (54 mm)
Fire Exit Hardware	See Chart – Page 6

49- Lock/Unlock Indicator Option



- Displays whether the door has been secured by the inside cylinder.
- Red icon indicates locked
- White icon indicates unlocked
- Dogging overrides 49- functionality (must order less dogging)
- Available on 8816 and 8866 functions only

649 Strike



- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated

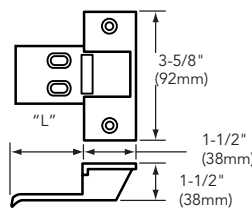
688 Trim Retrofit Kit



- 688 Trim Retrofit kit allows an 8800* Series rim exit with an ET to replace Von Duprin's 98/99 Series exit with trim with minimal door prep.
- * Except for 16 function
- Order as: 688 Kit

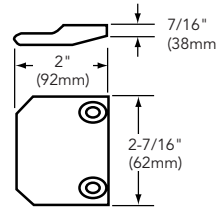
Alternate Strikes For 8800 Rim Devices

642 Strike



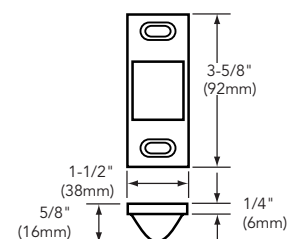
- Mortised. Dimension "L" equals door thickness plus 1/2" (13mm). Black nylon coated on lip only

644 Strike



- Surface applied. For use on pairs of doors without mullion. Ductile Iron. Black nylon coated

613 Strike



- Half mortised. Black nylon coated


Experience a safer and more open world

Copyright © 1998-2021, SARGENT Manufacturing Company. All rights reserved. Reproduction in whole or in part without the express written permission of SARGENT Manufacturing Company is prohibited. Patent pending and/or patent www.assaabloydcs.com/patents.

90641 10/21

8800 Functions and Trims

80 Series

Options	Series	Function	Rail Lgth	Trim	Hand	Outside Finish	Inside Finish	Door Width	Options
F1-83-56	88	13	F	ETL	RHR	26D	32D	36"	8800
700 Series ET Trim									
 <p>Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)</p>									
<p>Lever Designs for ET Controls A, B, E, F, J, L, P, W Also available with Coastal Series & Studio Collection Levers</p> <p>ET Designation with Suffix (Used to order ET without device) 8800 Series: 704, 706-8, 710, 713-8, 715-8, 716, 740, 743-8, 744, 746-8, 773-8, 774-8, 775-8 & 776-8</p> <p>Freewheeling Trim The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever</p> <p>Electrified ET Trim Voltage must be specified for the following functions: 73, 74, 75 and 76. Specify: 12VDC or 24VDC</p>									
SARGENT Function Numbers		ANSI Function Numbers		Description & Cylinder Info (1-3/4" Door)			ANSI Type 1 8800 Panic & Fire		Options
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied			8804 x ET_		<p>Mechanical Options: 12-16-19-31-36-37-43-53-54-55-56-56-HK-57-58-59-5CH-BC-59-76-85-86-87-AL-BT-CPC-GL-LD-PL-**-SG-TB-TL-10-10-21-10-63-11-11-21-11-60-11-63-11-64-11-70-7P-11-72-7P-11-73-7P-11-65-73-7P-21-22-51-52-60-63-64-70-72-73-65-73-65-73-7P-73-7P-81-82-F1-82-83-F1-83-84-BR-LC-SC-SE</p> <p>Cylinder Options: 10-10-21-10-63-11-11-21-11-60-11-63-11-64-11-70-7P-11-72-7P-11-73-7P-11-65-73-7P-21-22-51-52-60-63-64-70-72-73-65-73-65-73-7P-73-7P-81-82-F1-82-83-F1-83-84-BR-LC-SC-SE</p>		
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied			8806 x ET_				
10	01	No outside operation (No Cylinder)			8810				
10	02	No outside operation (No Cylinder) ET Control is used as Pull Only			8810 x ET_				
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied			8813 x ET_				
15	14	Passage Only (No cylinder)			8815 x ET_				
16	10	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 Cylinder & I/S #44 Cylinder Supplied			8816 x ET_				
40	02	Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim			8840 x ET_				
43	08	Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied			8843 x ET_				
44	03	Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied			8844 x ET_				
46	09	Freewheeling Trim - Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied			8846 x ET_				
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)			8873 x ET_				
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)			8874 x ET_				
75		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #34 Cylinder Supplied			8875 x ET_				
76		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied			8876 x ET_				








Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

Pull & Thumbpiece Trim Section

Trim Designations

Series

- Use three letter designations (Ex "PTB") when ordering the Exit Device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)							
04	03	Night Latch Key Retracts Latch #34 Cylinder Supplied	814-FSL*	814-FSW*	814-MSL*	814-PSB*	814-STC	862 Pull	8804 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STC	862 Pull	8810 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STC	N/A	8828 x Trim Designation
63	05	Key Outside Unlocks/ Locks Thumbpiece #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STC	N/A	8863 x Trim Designation
66	07	Key Outside Retracts Latch; Key Inside Unlocks/Locks O/S Trim O/S #34 & I/S #44	866-FLL	866-FLW	866-MAL	866-PTB	866-STC	N/A	8866 x Trim Designation

* FSL, FSW, MSL and PSB trims are used with (HC-& 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9mm) lower.

Note: Thumbpiece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately.

Note: FLW & FSW trims are not available in 32(629) or 32D(630).

Note: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D.

Experience a safer
and more open world