SARGENT®

ASSA ABLOY

90 Series

Exit Device

ASSA ABLOY, the global leader
in door opening solutions

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90 Series Exit Devices

MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion Technologies

- As an integral part of the finish coating, MicroShield lasts for the life of the hardware

- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.

- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.

- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

Agion has achieved:

Agion's silver antimicrobial has been certified for its material content, recyclability, and manufacturing characteristics. Cradle To Cradle Certified^{CM} products meet established standards for human health, environmental health and recyclability.

Cradle To Cradle Certified ^{CM} is a certification mark of MBDC.

90128J 6/15/14

SARGENT®

ASSA ABLOY

Features

- Full line of exit devices offering a selection of both wide and narrow stile exit devices, including concealed and surface vertical rods, rim and mortise
- Maximum 4-1/2" (114mm) projection, minimum 2-3/4" (70mm) dogged
- All SARGENT exit devices can be masterkeyed or grand masterkeyed with any other SARGENT product
- All crossbar assemblies are brass, bronze, stainless steel, or steel (see specific device)
- Stainless steel springs throughout
- Trim is through-bolted
- All exit devices meet ANSI standard 156.3, Grade 1
- UL Listed
- UL Listed to Canadian safety standards
- All fire exit hardware for hollow metal door applications listed up to 3 hours (A label) (Double doors require astragal)
- All fire exit hardware for wood door applications listed up to 1-1/2 hour (B label) except where noted
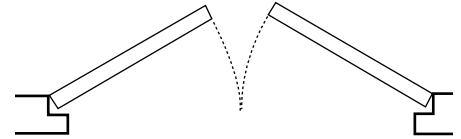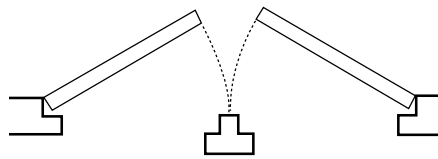
Applications

Single Door
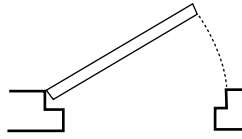
Rim Type 9800
Surface application.
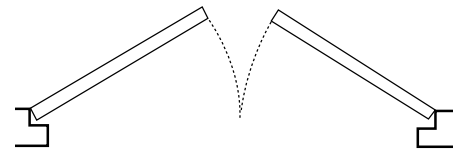
Pairs of Doors without Mullion

Surface Vertical Rod Type 9700 or Concealed Vertical Rod Type 9400 - 2 Each
2 point locking both doors. Each door active. Do not use an overlapping astragal.

Pairs of Doors with 980 Mullion

Rim Type 9800 - 2 Each
980 Mullion - 1 Each
Two independent active doors with full double door opening when required.

Pairs of Doors without Mullion

Vertical Rod Type 9700 - 1 Each
Rim Type 9800 - 1 Each
Both devices are surface applied. A coordinator is recommended.

● = Available				UL Fire Door Rating				
Application	Type Of Device	Series Device	Maximum Door Opening	(A) 3 Hour	(B) 1-1/2 Hour	(C) 3/4 Hour	(D) 1-1/2 Hour	(E) 3/4 Hour
Single Doors	Mortise	12-9900	4'0" X 10'0" (1219 X 3048)	●	●	●	●	●
	Rim	12-9800 **	4'0" X 8'0" (1219 X 2438)	●	●	●	●	●
	Concealed	12-9400	4'0" x 7'2" (1219 X 2184)	●	●	●	●	●
Pair of Doors Swinging in the same direction	Mortise and Surface Vertical Rod	12-9900 X 12-9700	8'0" X 8'0" (2438 X 2438)	●	●	●	●	●
	Two Rim With Mullion (12-980 available)	12-9800 X 12-9800	8'0" X 8'0" (2438 X 2438)	●	●	●	●	●
	*Two Surface Vertical Rod No astragal No coordinator	12-9700 X 12-9700	8'0" X 8'0" (2438 X 2438)		●	●	●	●
	Two Concealed Vertical Rod No overlapping astragal	12-9400 X 12-9400	8'0"x 7'2" (2438 X 2184)		●	●	●	●
Double Egress Pair of Doors Swinging in opposite directions	*Two Surface Vertical Rod	12-9700 X 12-9700	8'0" X 8'0" (2438 X 2438)	●	●	●	●	●
	*Two Concealed Vertical Rod	12-9400	8'0" x 7'2" (2438 X 2184)	●	●	●	●	●

* Limited for Fire Doors listed by UL for this use. NFPA requires an astragal on 3 hour applications.
** 75 and 76 functions are not available with 12- fire rated 9800 devices
Vertical rod applications will not work with astragal

Note: Please contact door manufacturer for specifications regarding fire door construction

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.

9800 Rim Exit Device

The 9800 Series exit devices are ordered with trim and shipped complete with the strike, screw packs and cylinder as required in one carton. The cross bars are cut to the correct length, based on door width.

Specifications

For Doors	Wood or metal. 1-3/4" (44.5mm) thick standard. 2-1/4" (57mm) thick on order. Other door thickness, consult factory. 4-1/8" (105mm) minimum stile
Mounting	Supplied standard with wood and machine screws. Through-bolts available on order
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	1" brass, bronze and stainless steel tubing. Specify 42- for reinforced cross bar
Hand	Reversible
Dogging	Standard Allen key dogging
Strike	649 standard strike for panic and fire
Fire Exit Hardware	See chart page 1

649 Strike

1-5/32" (29mm)

3-11/16" (94mm)

3/4" (19mm)
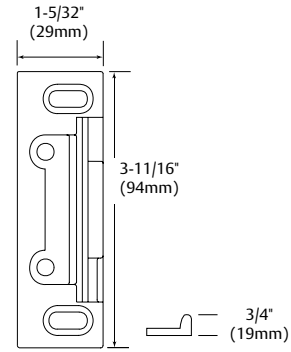
- For 9800 and 12-9800
- Supplied standard
- Surface applied
- Black nylon coated

Alternate Strikes for Rim Devices 9800
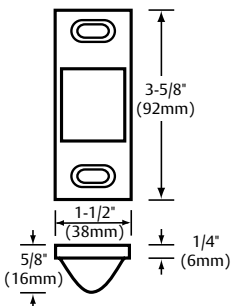
613

Half mortised

Nylon coating on face plate only

Specify hardware finish

3-5/8" (92mm)

1-1/2" (38mm)

5/8" (16mm)

1/4" (6mm)
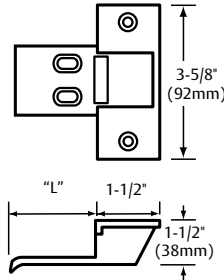
642

Full mortised

Dimension "L" equals door thickness plus 1/2"

Nylon coating on lip only

Specify hardware finish

3-5/8" (92mm)

"L"   1-1/2"

1-1/2" (38mm)
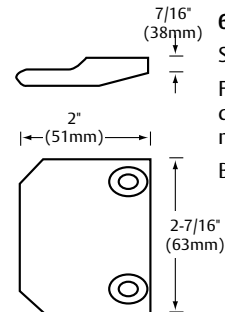
644

Surface applied

For use on pairs of doors without mullion

Black nylon coated

7/16" (38mm)

2" (51mm)

2-7/16" (63mm)

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9800 Functions and Trims
90 Series Exit Devices

How to order:

| Options 10-SG- | Series 98 | Function 13 | Trim ETL | Hand RHR | O/S Finish 26D | I/S Finish 32D | Door Width 36" |

700 Series ET Trim

Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

Note: Voltage must be specified for 73, 74, 75 & 76 function ET trims (12v or 24v)

PRK Knob Trim

RK Trim with K knob is through-bolted to the chassis.

To order:
PRK trim less exit device,
   Specify: 814-PRK for 04 function
   Specify: 810-PRK for 10 function
   Specify: 813-PRK for 13 function
   Specify: 825-PRK for 15 function

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 1 9800 Panic & Fire
04	03	Night Latch / Key Retracts Latch / #34 Cylinder Supplied	9804 x ET_
10	01	No outside Operation (No Cylinder)	9810
10	02	No outside Operation (No Cylinder) / ET Control is used as Pull Only	9810 x ET_
13	08	Key Outside Unlocks/locks Trim / #41 Cylinder Supplied	9813 x ET_
15	14	Passage Only (No cylinder)	9815 x ET_
73		Electrified ET Trim - Fail Safe / Power Off, Unlocks Lever (No Cylinder)	9873 x ET_
74		Electrified ET Trim - Fail Secure / Power Off, Locks Lever (No Cylinder)	9874 x ET_
75++		Electrified ET Trim - Fail Safe / Power Off, Unlocks Lever, Key Retracts Latch / #34 Cylinder Supplied / NOT available with 12-9800 devices	9875 x ET_
76**		Electrified ET Trim - Fail Secure / Power Off, Locks Lever, Key Retracts Latch / #34 Cylinder Supplied / NOT available with 12-9800 devices	9876 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. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	9800 Panic & Fire
04	03	Night Latch / Key Retracts Latch / #34 Rim Cylinder Supplied	9804 x PRK
10	02	No outside Operation / PRK used as a Pull only	9810 x PRK
13	08	Classroom / Key Outside Unlocks/locks Trim / #34 Rim Cylinder Supplied	9813 x PRK
15	14	Passage Only (No cylinder)	9815 x PRK

Options
9800

Mechanical Options:
12-
31-
36-
37-
42-
54-
76-
85-
86-
87-
CPC-
SG-
TB-

Cylinder Options:
10-
10-21-
10UL-
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-

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	614
14	618
15	619
20D	624
26	625
26D	626
32	628
32D	630

Pull & Thumb Piece Trim Section

Trim Designations
- 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)						Series 9800 Panic & Fire
04	03	Night Latch / Key Retracts Latch / #34 Cylinder Supplied	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	862 Pull	9804 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	862 Pull	9810 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	N/A	9828 x Trim Designation
63	05	Key Outside Unlocks/ Locks Trim / #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	N/A	9863 x Trim Designation

Note: Thumb piece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately
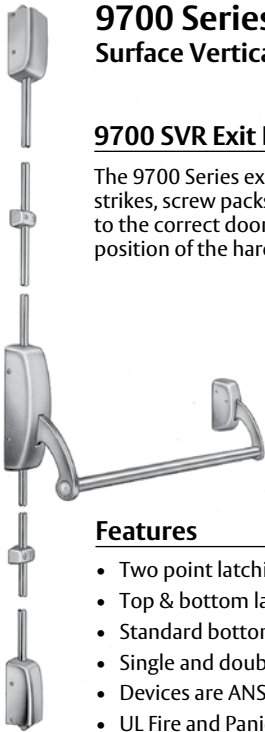**Note:** FLW trim is not available in 32(629) or 32D(630)

9700 Series
### Surface Vertical Rod Exit Device

9700 SVR Exit Device

The 9700 Series exit devices are ordered with trim and shipped complete with the strikes, screw packs and cylinder as required in one carton. The cross bars are cut to the correct door width and vertical rods are made to order, based on mounting position of the hardware and opening height.

Features

- Two point latching (top and bottom of the door)
- Top & bottom latchbolt projection adjustable through center case
- Standard bottom latch compatible with latchtrack thresholds (by others)
- Single and double door applications
- Devices are ANSI A156.3 – 2008 Grade 1
- UL Fire and Panic listed
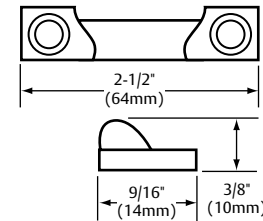- Rods are 1/2" (13mm) brass, bronze or stainless steel

Specifications for 9700 Series Exit

For Doors	Wood or metal. 1-3/4" (44.5mm) thick standard. 2-1/4" (57mm) thick on order. Other door thickness, consult factory. 3" (76mm) minimum stile. Maximum door height 96"
Mounting	Supplied standard with wood and machine screws. Through-bolts available on order
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	1" brass, bronze and stainless steel tubing. Specify 42- for reinforced cross bar
Hand	Non Handed
Dogging	Standard Allen key dogging
Strikes	646 top strike for panic & fire and 624 bottom strike for panic & 655 bottom strike for fire
Rod	1/2" brass, bronze or stainless steel
Fire Exit Hardware	See chart page 1
Opening Height	84" (2134mm) Standard

Inside Lever Assembly for 300 Series Aux Control

Attaches to top rod and engages with 300 Series Auxiliary Control. Packed standard with 306 and 313 Auxiliary Controls

Part # 97-2378

646 Top Strike

- Standard Top Strike for both Panic & Fire (12-) Hardware
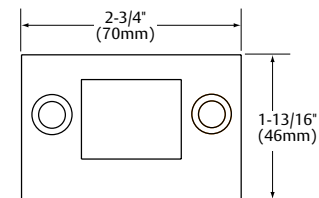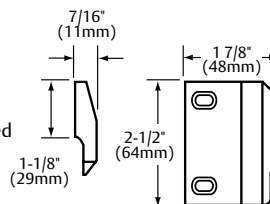- Surface applied to frame
- Black nylon coated
- Replaces 629 Strike

1-5/32" (29mm) 3/4" (19mm) 1/4" (6mm) 3-11/16" (94mm)
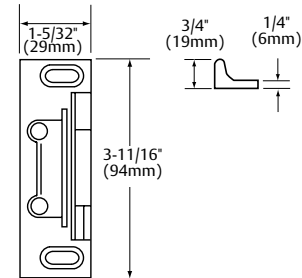
624 Bottom Strike

- Standard for 9700
- Applied to surface of floor or to a flat threshold
- Black nylon coated

2-1/2" (64mm) 9/16" (14mm) 3/8" (10mm)

655 Bottom Strike

- Standard bottom strike for 12-9700 and 14-9700
- Stainless steel
- Black nylon coated
- Replaces 647 Strike

2-3/4" (70mm) 1-13/16" (46mm)

648 & 653 Strikes (Alternate Strikes for 9700 SVR Devices)

648 Strike

For doors having transom panel applications

Black nylon coated

7/16" (11mm) 1 7/8" (48mm) 2-1/2" (64mm) 1-1/8" (29mm)

653 Strike

Alternate for 12-9700

1-3/4" (44mm) 2-1/8" (54mm) 2-3/4" (70mm) 2-5/16" (59mm) 1/2" (13mm)

Black nylon coated

How to order:	Options 11-	Series 97	Function 13	Trim ETL	Hand RHR	O/S Finish 15	I/S Finish 32D	Door Width 36"	Door Height 84"	AFF 36"

700 Series ET Trim

Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

Note: Voltage must be specified for 73 & 74 function ET trims (12v or 24v)

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	ANSI Type 2 9700 Panic & Fire
06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied	9706 x ET_
10	01	No outside Operation (No Cylinder)**	9710
10	02	No outside Operation (No Cylinder)** ET Control is used as Pull Only	9710 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	9713 x ET_
15	14	Passage Only (No cylinder)	9715 x ET_
73		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)**	9773 x ET_
74		Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)**	9774 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. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

Note: AFF means Above Finished Floor, center line of rail Above Finished Floor

** Cylinder Override is available with a 306 Aux Control

Example Order: 9773F 12V x ETMG x 306 x RHR x 32D 36"w x 84"H

PRK Knob Trim

PRK Trim with K knob is through-bolted to the chassis.

To order:
PRK trim less exit device,
Specify: 813-PRK for 06 function
Specify: 810-PRK for 10 function
Specify: 813-PRK for 13 function
Specify: 825-PRK for 15 function

06	09	Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #34 Rim Cylinder Supplied	9706 x PRK
10	02	No outside Operation PRK used as a Pull only	9710 x PRK
13	08	Classroom Key Outside Unlocks/locks Trim #34 Rim Cylinder Supplied	9713 x PRK
15	14	Passage Only (No cylinder)	9715 x PRK

300 Series++ Auxiliary Control

300 Series Auxiliary Control

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)	9700 Panic & Fire
06	12	Key unlocks Turn; Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied	9710 x 306
13	11	Key Outside Unlocks/locks Turn #41 Cylinder Supplied	9710 x 313

Note: When ordering 9700 Series Exit Device x 300 Series Aux. Control, specify 10 Function for the exit. Example: 9710F x 306 x RHR x 32D x 42" x 90"

++ Note: Exit Devices must be mounted 38" AFF when used with a 300 Series Auxiliary Controls to meet ICC/ANSI A117.1-2003 Accessible & Usable Buildings and Facilities Code

Options

9700

Mechanical Options:
12-
14-
31-
36-
37-
42-
54-
76-
85-
86-
87-
CPC-
SG-
TB-

Cylinder Options:
10-
10-21-
10UL-
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-

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10B	613
10BE	613E
10BL	614
14	618
15	619
20D	624
26	625
26D	626
32	629
32D	630

Pull & Thumb Piece Trim Section

Trim Designations
- 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

Series

9700 Panic & Fire

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)					Series
10	02	Pull Only (No Cylinder)***	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	9710 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	9728 x Trim Designation
63	05	Key Outside Unlocks/ locks Trim #34 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	9763 x Trim Designation

*** Cylinder Override is available with a 306 Aux Control

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

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

9900 Mortise Lock Exit Device

The 9900 Series exit devices are ordered with trim and shipped complete with the strike, screw packs and cylinder as required in one carton. The cross bars are cut to the correct length, based on door width.

Specifications

| For Doors	Wood or metal. 1-3/4" (44.5mm) thick standard. Other door thickness, consult factory. 4-1/2" (114mm) minimum stile
Mounting	Supplied standard with wood and machine screws. Through-bolts available on order
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	1" brass, bronze and stainless steel tubing. Specify 42- for reinforced cross bar
Hand	Handed, please specify hand when ordering
Mortise Lock	900 Series Mortise Lock, non-reversible
Dogging	Standard Allen key dogging
Strike	C908 standard for panic and fire rated
Fire Exit Hardware	See chart page 1

C908 Strike
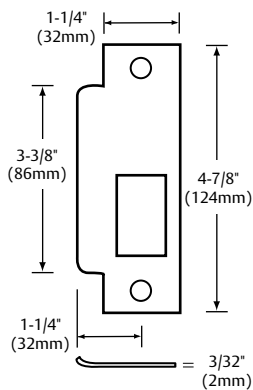
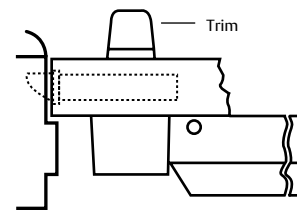- Curved lip ANSI A115.1
- Handed. 1-1/4" lip standard
- Longer, lips in increments of 1/4" through 2-7/8" available
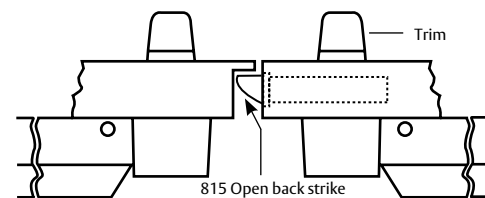- Black nylon coated

815 Open Back Strike
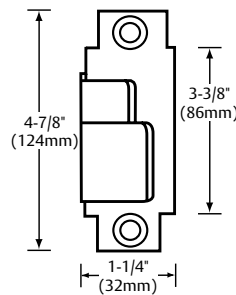
- ANSI A115.14 Open Back
- Beveled 1/8" in 2"
- Specify hand of active door
- "B" label
- Required for pairs of doors with 9700 and 9900 on pair
- Black nylon coated

Single Door

Pair of Doors

9900 Functions and Trims
90 Series Exit Devices

How to order:

	Options	Series	Function	Trim	Hand	O/S Finish	I/S Finish	Door Width		Options
	10-SG-	99	13	ETL	RHR	26	32	36"		**9900**

700 Series ET Trim

Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

Note: Voltage must be specified for 73, 74, 75 & 76 function ET trims (12v or 24v)

PRK Knob Trim

PRK Trim with K knob is through-bolted to the chassis.

To order:
PRK trim less exit device,
Specify: 814-PRK for 04 function
Specify: 810-PRK for 10 function
Specify: 813-PRK for 13 function
Specify: 825-PRK for 15 function

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 3 8900 Panic & Fire
04	03	Night Latch Key Retracts Latch #46 Cylinder Supplied	9904 x ET_
10	01	No outside Operation (No Cylinder)	9910
10	02	No outside Operation (No Cylinder) ET Control is used as Pull Only	9910 x ET_
13	08	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	9913 x ET_
15	14	Passage Only (No cylinder)	9915 x ET_
75++		Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch #46 Cylinder Supplied	9975 x ET_
76**		Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #46 Cylinder Supplied	9976 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. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

++ 75 Function without cylinder is available as a 73 Function

** 76 Function without cylinder is available as a 74 Function

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info (1-3/4" Door)	ANSI Type 3 8900 Panic & Fire
04	03	Night Latch Key Retracts Latch #41 Mortise Cylinder Supplied	9904 x PRK
10	02	No outside Operation PRK used as a Pull only	9910 x PRK
13	08	Classroom Key Outside Unlocks/locks Trim #41 Mortise Cylinder Supplied	9913 x PRK
15	14	Passage Only (No cylinder)	9915 x PRK

Mechanical Options:
12-
23-
31-
36-
37-
42-
54-
76-
85-
86-
87-
CPC-
SG-
TB-

Cylinder Options:
10-
10-21-
10UL-
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-

* Options are not available with the following functions: 04 x ET, 75 & 76

Pull & Thumb Piece Trim Section

Trim Designations
- 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 & hand

SARGENT Function Numbers	ANSI Function Numbers	Description & Cylinder Info. (1-3/4" Door)						Series 9900 Panic & Fire
04	03	Night Latch-Key Retracts Latch #41 Cylinder Supplied	814-FLL	814-FLW	814-MAL	814-PTB	814-STS	9904 x Trim Designation
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL	810-FLW	810-MAL	810-PTB	810-STS	9910 x Trim Designation
28	15	Passage Only (No cylinder)	828-FLL	828-FLW	828-MAL	828-PTB	828-STS	9928 x Trim Designation
63	05	Key Outside Unlocks/locks Trim #41 Cylinder Supplied	866-FLL	866-FLW	866-MAL	866-PTB	866-STS	9963 x Trim Designation

Note: Thumb piece trims used with mortise lock exit devices are handed
Note: Thumb piece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately
Note: FLW trim is not available in 32(629) or 32D(630)

Available Finishes

SARGENT Finishes	BHMA Finishes
03	605
04	606
09	611
10	612
10BE	613
10BL	613E
14	614
15	618
20D	619
26	624
26D	625
32	626
32D	629
	630

How to order:	Options	Series	Function	Hand	Finish	Door Width	Door Height	AFF
	12-	94	04	RHR	32D	36"	84"	36"

Specifications

For Doors	Metal doors with 1-3/4" (44.5mm) thickness only. Requires proper reinforcements
Mounting	Supplied standard with machine screws.
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	13/16" x 1-3/8" oval seamless tubing; standard length for doors up to 36"; crossbar available for doors 36-1/2" to 48"
Hand	Field Reversible. Order as RHRB or LHRB
Dogging	Standard Allen key dogging. Less dogging available, special order
Strikes	94-2390 top strike pack; 94-2391 bottom strike pack
Rod	3/8" solid steel (top); 1/2" steel tubing. Rods for doors 8'6" standard. Rods for doors 8'6" to 10'8" optional
Trim	Night Latch Cylinder Retainer with 04 function; 862, 863, 864 pulls available separately
Opening Height	8'6" standard to 10'8" optional
Stile Width	2-1/8" minimum with 1/2" stop, single door; 1-3/4", pair of doors
Projection	4-7/8"; 3-1/8" depressed
Backset	1-3/8" on single door with 3/8" stop; 1" on pair of doors without mullion
Cylinder	41 Mortise cylinder. Supplied with 9404 / 12-9404 only; Cylinder kit includes: Cylinder, Night Latch Cylinder Retainer, and mounting screws
Warranty	1 Year Limited
Certifications / Compliance ANSI	ANSI A156.3 Grade 1; A117.1 Accessibility Code
Fire Exit Hardware	See chart on page 1

Options

9400

Mechanical Options:
12-
85-

Cylinder Options:
10-
10UL-
11-
11-21-
82-
F1-82-
BR-
SC-
SE-

9400 CVR Exit Device

The 9400 Series Exit Device is available with two functions:

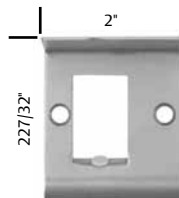9404 - Night latch

9410 - No outside operation (no cylinder)

9400 Night Latch Cylinder Retainer

- Key retracts latch
- Standard with 9404 & 12-9404
- Supplied with a # 41 Cylinder

94-2390 Top Strike

- Standard Top Strike for 9400

2"

227/32"

94-2391 Bottom Strike

- Standard Bottom Strike for 9400
- Strike to be flush with finish floor

4-3/16"

1-3/8"

90128J 6/15/14

9898 Reversible Rim Exit and Trim for the 9898 Rim Exit Device

90 Series Exit Devices

SARGENT®
ASSA ABLOY

The 9898 Multi-fuction Rim Exit Device is the perfect stocking device.

- 4 functions determined by trim specified
- Device & trim sold separately; easy to mix and match
- 5 available trim designs
- Trim is non-handed
- Device is field reversible

How to Order: 9898 x Finish x Door Width

Note: If door width information is not supplied, SARGENT will supply a cross bar for a 44" door width

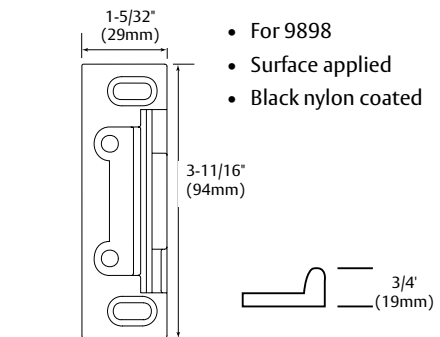- Cross bars can easily be cut to length in the field

Available options for 9898 exit devices are 42-, SG- & CPC

Available options for 9898 trim are 10-, 10UL-, 11-, 11-60-, 11-63-, 11-64-, 21-, 22-, 60-, 63-, 64-, 81-, 82-, F1-82-, 83-, F1-83-, 84-, BR-, CPC- and SG

Specifications

For Doors	Wood or metal. 1-3/4" (44.5mm) thick standard. 2-1/4" (57mm) thick on order. Other door thickness, consult factory. 4-1/8" (105mm) minimum stile
Mounting	Supplied standard with wood and machine screws. Through-bolts available on order
Chassis Cover	Brass, bronze or stainless steel
Chassis	Nonferrous alloy
Crossbar	1" brass, bronze and stainless steel tubing. Specify 42- for reinforced cross bar
Hand	Non-handed
Dogging	Standard Allen key dogging
Strike	649 Strike
Fire Exit Hardware	Not available

649 Strike

1-5/32" (29mm)
3-11/16" (94mm)
3/4' (19mm)

- For 9898
- Surface applied
- Black nylon coated

Product Designation

Available Trim Designs & Functions to be used with any 9898 Device

- All trims are non-handed for 9898 devices
- Determine available Trim Designs & Functions with chart below
- How to Order Trim: Specify "Product Designation" from the chart below and finish required

| Functions	ANSI	Descriptions					
04	03	Key Retracts Latch #34 Cylinder Required & Supplied	814-FLL x Finish	814-FLW x Finish	814-MAL x Finish	814-PTB x Finish	814-STS x Finish
10	02	No O/S Operation or Cylinder (Pull Only)	810-FLL x Finish	810-FLW x Finish	810-MAL x Finish	810-PTB x Finish	810-STS x Finish
10	01	No O/S Operation or Cylinder (Exit Only)	N/A	N/A	N/A	802-PTB x Finish	N/A
28	15	Passage Only (No cylinder)	828-FLL x Finish	828-FLW x Finish	828-MAL x Finish	828-PTB x Finish	828-STS x Finish
63	05	Key Outside Unlocks/ locks Thumb Piece # 34 Cylinder Required & Supplied	866-FLL x Finish	866-FLW x Finish	866-MAL x Finish	866-PTB x Finish	866-STS x Finish

Note: Thumb piece trims for 63 and 66 function devices are identical and are identified as 66 function when trim is ordered separately
Note: FLW trim is not available in 32(629) or 32D(630)

ET Lever Controls

3-9/16" MAX*
(90mm)

8-1/16"
(205mm)

1-13/16"
(46mm)

13/16"
(21mm)
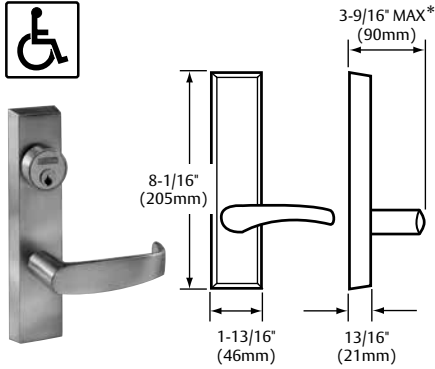
*Projection varies by lever design.
2-1/2" (63mm) projection with L Lever

ET lever trim can be used with most 90 Series exit devices. Easy operating lever handle allows convenient one hand operation. ET Escutcheons are forged or cast brass and the levers are brass or bronze. Stainless steel is available.

ET Designations
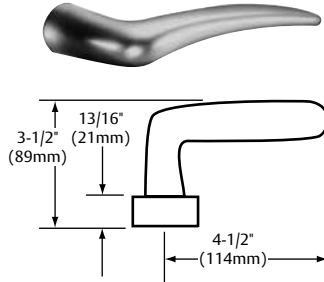(Used to order ET trim without device)

Specify: 704 x ET, 706 x ET, 710 x ET, 713 x ET, 715 x ET, 773 x ET, 774 x ET, 775 x ET & 776 x ET include lever design and finish and hand
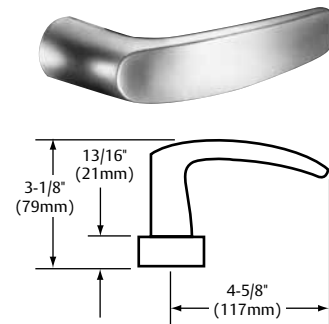
Example: 713 x ETJ x 26D x RHR

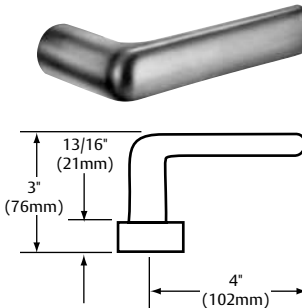**Note**: ET trim used with 90 Series device use standard ET trims with out a suffix
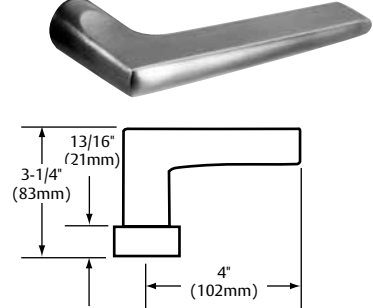
A Lever

- Handed
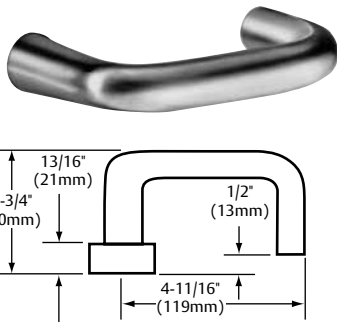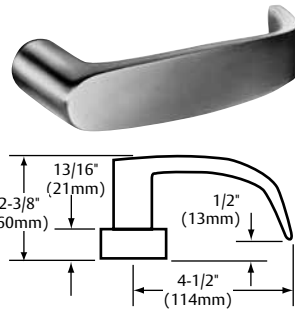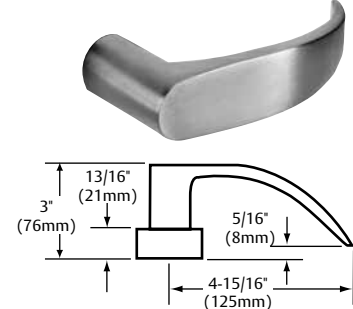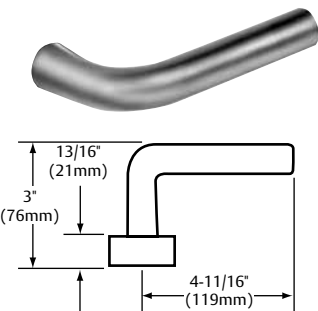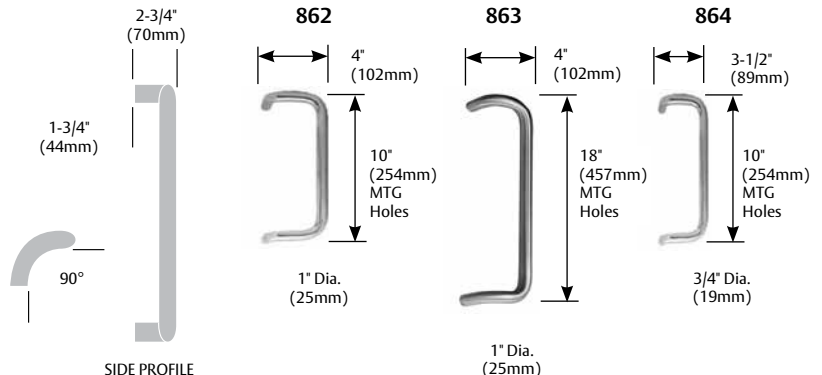
13/16"
(21mm)

3-1/2"
(89mm)

4-1/2"
(114mm)

B Lever

13/16"
(21mm)

3-1/8"
(79mm)

4-5/8"
(117mm)

E Lever

13/16"
(21mm)

3"
(76mm)

4"
(102mm)

F Lever

13/16"
(21mm)

3-1/4"
(83mm)

4"
(102mm)

J Lever*

13/16"
(21mm)

2-3/4"
(70mm)

1/2"
(13mm)

4-11/16"
(119mm)

L Lever*

13/16"
(21mm)

2-3/8"
(60mm)

1/2"
(13mm)

4-1/2"
(114mm)

P Lever*

13/16"
(21mm)

3"
(76mm)

5/16"
(8mm)

4-15/16"
(125mm)

W Lever

13/16"
(21mm)

3"
(76mm)

4-11/16"
(119mm)

* Lever returns within 1/2" (13mm) of door face

Pulls

2-3/4"
(70mm)

1-3/4"
(44mm)

90°

SIDE PROFILE

862

4"
(102mm)

10"
(254mm)
MTG
Holes

1" Dia.
(25mm)

863

4"
(102mm)

18"
(457mm)
MTG
Holes

1" Dia.
(25mm)

864

3-1/2"
(89mm)

10"
(254mm)
MTG
Holes

3/4" Dia.
(19mm)

SARGENT®

ASSA ABLOY

Studio collection

Features

- Studio Collection levers can be used with all SARGENT 90 Series exit devices with ET trim
- All levers - solid brass or stainless steel
- Available with all lever functions
- Finishes available: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, 32 & 32D
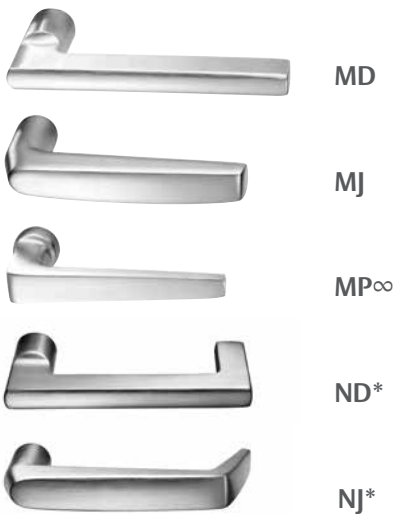- Always specify hand

Centro Series

MD

MJ

MP∞

ND*

NJ*

Notting Hill Series
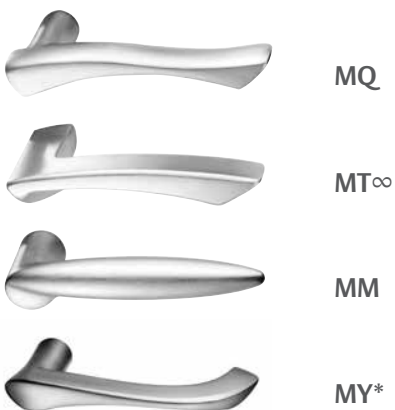
MQ

MT∞

MM

MY*

Rialto Series

MO

MZ*

Aventura Series

MB

ME

MF

NF

MG

MI

NI*

MW*

Odéon Series

MN∞

MH

MK∞

MS

MU

MV

MX*

NS*

NU*

Gramercy Series**

RCM∞

RAL∞

REM∞

RAM∞

RAS∞

RAW∞

RAG∞

RGM∞
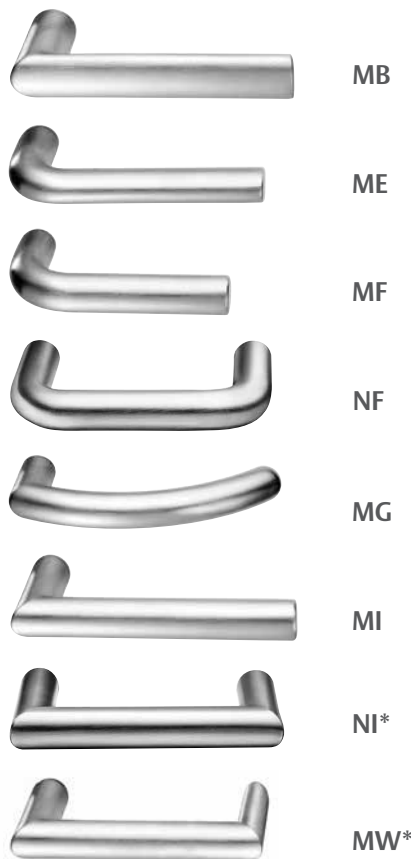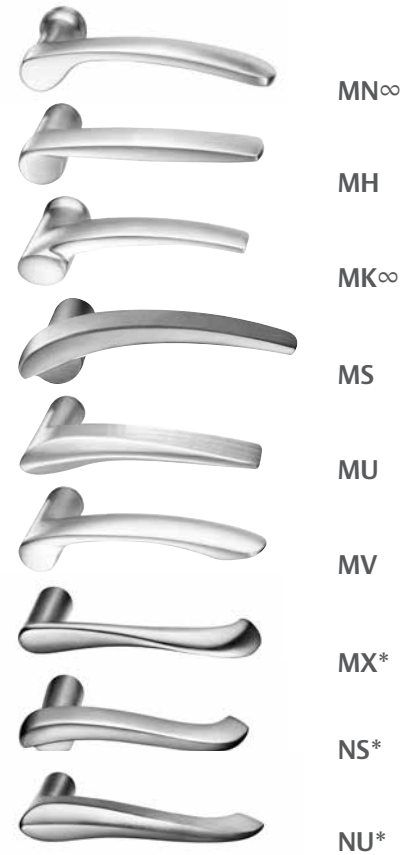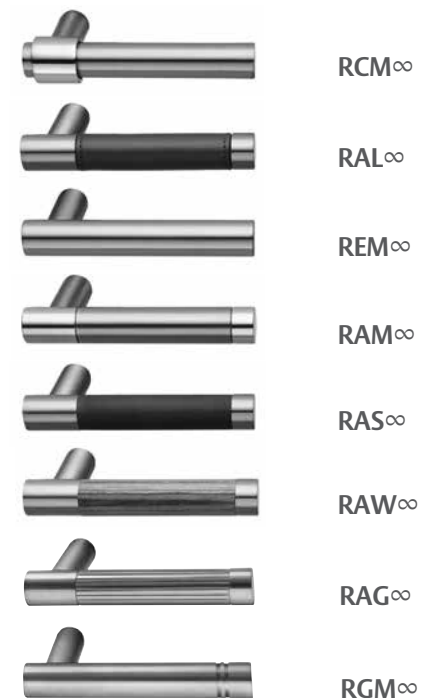
* Lever returns within 1/2" (13mm) of door face

∞ Levers are not available with Simplí™ Roseless trim

**The Gramercy Levers are customized. Refer to the next page for ordering information

90128:J 6/15/14

Elements of Gramercy Series Levers

grip   grip

insert

shank   shank   shank

REM   RCM   RAM, RAW, RAS, RAL
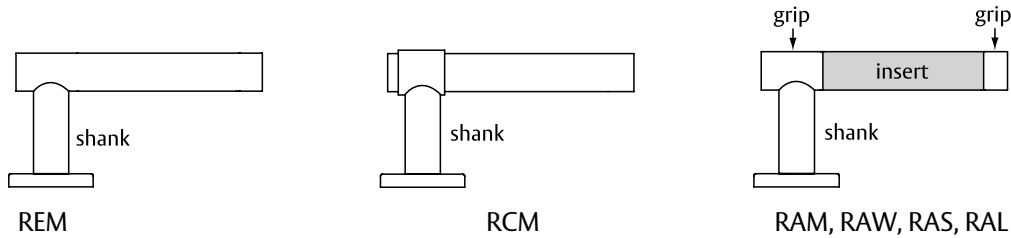
Lever	Part Number	Shank Finish*	Insert	Grip Finish
Plain†	**REM**	Polish Stainless (629) or Satin Stainless (630)	n/a	Polish Stainless (629) or Satin Stainless (630)
With Raised Band	**RCM**	Polished Stainless (629)	n/a	Polish Stainless (629) or Satin Stainless (630)
With Metallic Insert	**RAM**	Polished Stainless (629)	Satin Stainless (630)	Polished Stainless (629)
With Wood Insert†	**RAW**	Polished Stainless (629) or Satin Stainless (630)	Birch (BH)	Polish Stainless (629) or Satin Stainless (630)
With Santoprene™ Insert†	**RAS**	Polished Stainless (629) or Satin Stainless (630)	Black (BK)	Polish Stainless (629) or Satin Stainless (630)
With Leather Insert†	**RAL**	Polished Stainless (629) or Satin Stainless (630)	Black (BK) or Brown (BN)	Polish Stainless (629) or Satin Stainless (630)

* ET trim finish is designated by shank finish selected
† Grip finish must match shank finish

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use "29" for polished stainless, BHMA finish 629.

How to specify:
90 Series Exit Devices x ET trim with Gramercy levers

					Gramercy Lever Information								
Options	Series	Functions	Voltage	Trim	Lever	Shank Finish*	Insert Finish	Grip Finish	Hand	Inside Finish	Door Width	Opening Height	AFF
select from pages 17 & 18	90 Series	select from pages 2-9	specified for electrical functions		Leather insert	polished or satin stainless	black or brown	polished or satin stainless	RHR, RH, LHR, or LH	select from page 20		For vertical rod devices	Above Finished Floor
54-	97	75	12VDC	ET	RAL	29	BN	29	RH	32D	36"	84"	36"

90128J 6/15/14

SARGENT®
ASSA ABLOY

- Coastal Series™ levers with ET Trim is available with 9900, 9800 & 9700 Devices
- All levers – solid cast brass
- All standard functions available
- Finishes available: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26 & 26D
- * Lever returns within 1/2" (13mm) of door face

Y - Yarmouth™

3-1/4" (83mm)
13/16" (21mm)
4-1/2" (114mm)
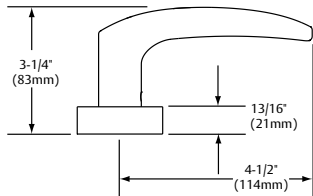
- Specify hand when ordering

Pulls and Thumb Piece Trims

Pulls and trims are through-bolted.

Through-bolting of trim allows for perfect alignment of thumb pieces, cylinders and spindles.

Through-bolts pass through the chassis of the devices and are bolted directly to the trim.

PRK
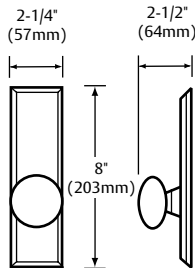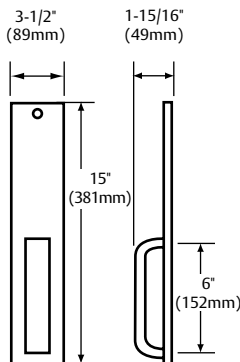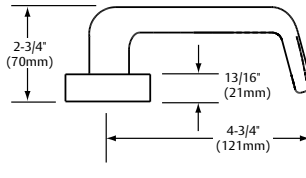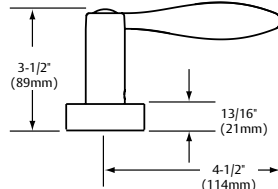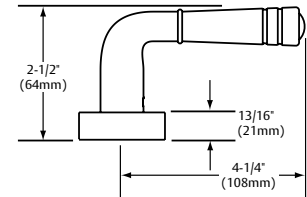
2-1/4" (57mm)
2-1/2" (64mm)
8" (203mm)

PTB

3-1/2" (89mm)
1-15/16" (49mm)
15" (381mm)
6" (152mm)

C* - Coronado™

2-3/4" (70mm)
13/16" (21mm)
4-3/4" (121mm)

G - Gulfport™

3-1/2" (89mm)
13/16" (21mm)
4-1/2" (114mm)

- Specify hand when ordering

FLL

1-3/4" (44mm)
2-1/16" (52mm)
14-5/16" (364mm)
6" (152mm)

STS

1-5/8" (41mm)
2-1/4" (57mm)
9-5/8" (244mm)
7-3/16" (198mm)

R - Rockport™

2-1/2" (64mm)
13/16" (21mm)
4-1/4" (108mm)

S - Sanibel™

4-1/16" (103mm)
13/16" (21mm)
4-1/2" (114mm)

- Specify hand when ordering

FLW

1-3/4" (44mm)
2-1/16" (52mm)
14-5/16" (364mm)
6" (152mm)

MAL

2-5/8" (67mm)
2-1/16" (52mm)
14-1/4" (362mm)
6" 152mm
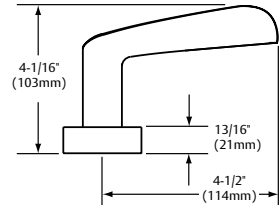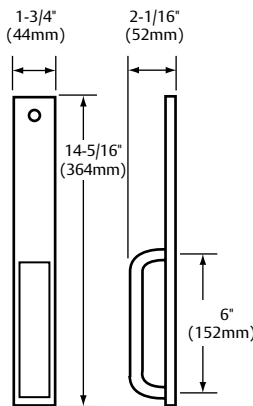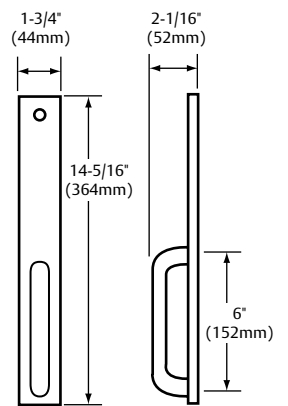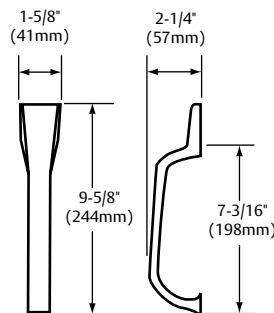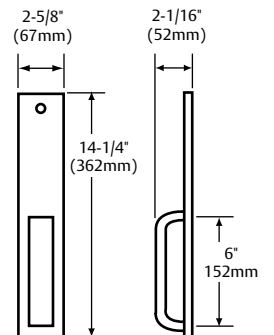
73 & 75 Electromechanical (Fail Safe)
74 & 76 Electromechanical (Fail Secure)

73 Functions: Fail Safe - Power Off, Unlocks Lever (No Cylinder)

74 Functions: Fail Secure - Power Off, Locks Lever (No Cylinder)

75 Functions: Fail Safe - Power Off, Unlocks Lever includes Cylinder override

76 Functions: Fail Secure - Power Off, Locks Lever includes Cylinder override

- 75 & 76 functions: the key retracts latch
- Exit Device always allows egress
- Voltage requirements: 12VDC or 24VDC Regulated; always specify voltage
- 250mA at 24VDC or 500mA at 12VDC
- Provided with ElectroLynx® 8-Pin Connector

12VDC & 24VDC Power Supplies:

- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

With ElectroLynx®, doorway components come pre-wired for easy hookup to the power source. Key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx®:
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect Electrified Trim to the electronic access control system, the following items are required:

- Electrified Trim (73, 74, 75 & 76 function ET's)
- ASSA ABLOY Door Group pre-wired door, or ElectroLynx® retrofit cable (order from McKINNEY)
- Electronic transfer device (ElectroLynx® electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKINNEY)
- ElectroLynx® cable from the hinge to above the ceiling (order from McKINNEY)

Information regarding cable selection, hinge requirements and order strings can be found in the McKINNEY Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

McKINNEY QC ElectroLynx® Hinges are recommended

SARGENT MODEL No.	DESCRIPTION
3521	12V - 1 AMP POWER SUPPLY
3541	12V - 3 AMP POWER SUPPLY
3551	12V - 4.5 AMP POWER SUPPLY
3571	12V - 6 AMP POWER SUPPLY
737	12V - 5 AMP HOUR BACKUP BATTERY

SARGENT MODEL No.	DESCRIPTION
3520	24V - 1 AMP POWER SUPPLY
3540	24V - 2 AMP POWER SUPPLY
3550	24V - 4 AMP POWER SUPPLY
3570	24V - 6 AMP POWER SUPPLY
738	24V - 5 AMP HOUR BACKUP BATTERY

ELECTRO Lynx

SARGENT®

ASSA ABLOY

Aluminum Mullions

Product Designation	650A	980	L980
Description	Removable	Removable	Lockable
Material	Aluminum	Aluminum	Aluminum
Standard Finish	US28/Satin Anodized Aluminum	Prime Coat	Aluminum Prime Coat
Options	Specify "650A x 10B" for 313AN to match 10B	Specify "980A" for Anodized US28/ Satin Aluminum	Specify: "L980A" Anodized Aluminum Specify: "L980A x10B" for 313AN to match 10B
Stk Size	96"	96"	96"
Max Stk Height	120"	120"	120"
Pre-prepped	658 Strikes Included	No	No
Cylinder Size	Not Required	Not Required	#41
Shape	1-1/2" x 2-1/2"	T Shaped 2-1/2" x 3"	T Shaped 2-1/2" x 3"
Misc. Information and Accessories	Includes 651 Stabilizers and imbedded Weather Stripping Top Retainer 94-2050 Bottom Retainer 94-2051	Top Retainer - 511 Bottom Retainer - 502 Adapter for narrow transom: 507 - Aluminum Prime Coated 507A - Anodized Aluminum	All Cylinder Options Available Wall Mount Kit 98-2578 Top Ret Pack 98-2526 Bottom Ret Pack 98-2525 Cylinder Kit 980C1*

Electrified

EL980
Electrical Lockable
Steel
Gray Paint
Wall Mounting Kit: 98-2580 Top Ret Pack :98-2559
96"
120"
No
#46 Only
Rectangular 2" x 3"
For use with Electric Strikes and Monitoring, Quick Connect Wiring Supplied Cylinder Kit 980C2*

* **Note:** Cylinder Kits must be ordered separately

Steel Mullions

Product Designations	HC980	980S	L980S	HCL980	12-HD980
Description	Hurricane Code	Standard Mullion	Lockable	Lockable Hurricane Code	Heavy Duty
Material	Steel	Steel	Steel	Steel	Steel
Fire Rated	Specify 12-HC980	Specify 12-980	Specify 12-L980	Specify 12-HCL980	Specify 12-HD980
Fire Rated Max Height	96"	96"	96"	96"	120"
Finish	Gray Paint	Gray Paint	Gray Paint	Gray Paint	Gray Paint
Stk Size	96"	96"	96"	96"	120"
Max Stk Height	96"	120"	120"	96"	120"
Pre-prepped	No	No	No	No	No
Cylinder Size	Not Required	Not Required	#41 Std (#42 & #43 available)	#41 Std (#42 & #43 available)	Not Required
Shape	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"	Rectangular 2" x 3"
Misc. Information	Designed for severe wind load conditions due to hurricanes or windstorms. Tested to Dade County Protocols & ASTM Standards	Channel Iron & Malleable iron top & bottom retainers	Fire rated for 8'0" x 8'0" paired openings	See Notes Below	12-HD980 is for pair of doors over 8'0" to 10'0" includes two piece strikes
Accessories	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601	Top Ret Pack - 98-2190 Bottom Ret Pack - 98-2191 Top Retainer Shim Kit - 601	Wall Mounting Kit - 98-2579 Top Ret Pack - 98-2559 Bottom Ret Pack - 98-2556 Top Retainer Shim Kit - 601 Cylinder Kit 980C1*	Top Retainer Pack: 98-2593 Bottom Retainer Pack: 98-2594 Top Retainer Shim Kit - 601 Cylinder Kit 980C1*	Top Ret Pack - 98-2599 Bottom Ret Pack - 98-2600 Top Retainer Shim Kit - 601

* **Note:** Cylinder Kits must be ordered separately

Note for HC980/12-HC980 Mullions:

- Designed for severe wind load conditions due to hurricanes or tornadoes
- Tested to Dade County protocols and ANSI 250.13 ASTM Standards and FEMA 361
- 12- Fire labeled version
- Replacement lock kits are available for lockable mullions Part numbers for each model are listed in the price book

HCL980 Mullion Information

- Model 12-HC-L980 may be supplied for doors UL fire rated up to and including 3 hrs not exceeding 8 ft in width and height
- Meets the following standards: ANSI 250.13, ASTM E330, ASTM 1886, ASTM 1996, TAS 201, TAS 202 & TAS 203

Lockable Mullion Cylinder Kit Options

Lockable mullions are shipped without cylinders. Order Cylinder Mullion Kit separately.

- L980, L980A, L980S & HC-L980 are 10, 10-21-, 10-UL-, 10-63-, 11-, 11-21-, 11-60, 11-63-, 11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 22-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82-, F1-82-, 83-, F1-83-, 84-, SC- & SE-
- EL980 are 10, 10-21-, 10-UL-, 10-63-, 11-, 11-21-, 11-60, 11-63-, 11-64-, 11-72-7P-, 11-65-73-7P-, 11-73-7P-, 21-, 22-, 60-, 63-, 64-, 70, 72-, 73-, 65-73-, 65-73-7P-, 73-7P-, 81-, 82- & F1-82-

Note: See page 18 for option details

Mullion Accessories

RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion.

651 Mullion Stabilizer Kit

- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

980C1 Cylinder Mullion Kit

- Lockable mullions only
- Aluminum and steel
- Includes cylinder and collar

980C2 Cylinder Mullion Kit

- Lockable mullions
- Electrified only
- Includes cylinder and collar
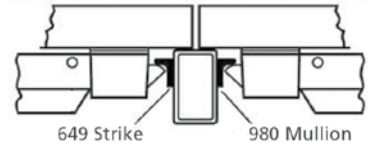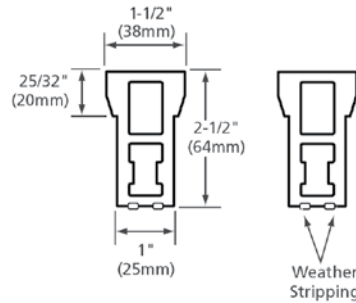
507 Narrow Transom Bars Adapter

- Available with 980 and 980A
- Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide

Soffit

19/32" (15mm)

Top Retainer

Door

Mullion Body

650A Mullion

1-1/2" (38mm)

25/32" (20mm)

2-1/2" (64mm)

1" (25mm)

Weather Stripping

Mullion Weights & Packaging

Product	Avg Wt	Case
Exit Device with Trim	15 lbs	1 ea
980 Mullion	18 lbs	1 ea
12-980 Mullion	40 lbs	1 ea
650A Mullion	18 lbs	1 ea

Cylinder Nut Wrench

This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).

- Part number 97-0568

980S Mullion Application

- All steel mullions are 2" x 3"

649 Strike   980 Mullion

980 Mullion & L980 Lockable Mullion

2-1/2" (63mm)

3" (76mm)

1-1/2" (38mm)

1-1/4" (32mm)

Lockable Mullion

3487 Door Coordinators

- Prevents active door from closing before inactive door closes
- Meets Federal Specification FF-H-106a Type 836. Cast bronze with rubber rollers
- U.L. Labeled when used with Fire Exit Hardware
- 3487 (6-3/4" length; 171mm) for pairs of doors equipped with outside astragal
- Packed with wood and machine screws
- Finishes: 10, 26D

Mechanical Options:

Fire Rated	**12-**	UL Fire Label Exit hardware
SVR Bolt	**14-**	Sliding bolt bottom case for 9700
Alternate Strike	**23-**	4-7/8" (124mm) ANSI flat lip strike (for 9900 Series Mortise Lock Exit Devices)
Thick Doors	**31-**	Doors over 1-3/4" and/or Panels (Specify door thickness, panel thickness & location as required) (Not available with 9400 Devices) Extended lip strike supplied for 9900 Series
Security Fasteners	**36-**	Six lobe security head screws
	37-	Spanner head screws
Reinforced Cross Bar	**42-**	Reinforced Cross Bar (Not available with 9400 Devices)
Electrical Options	**54-**	Monitors ET Lever movement with Internal micro switch in ET Control
Tactile Warning Options	**76-**	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
	85-	Tactile Warning - Abrasive strip on Cross Bar
	86-	Tactile Warning - Abrasive coating on Outside Lever
	87-	Tactile Warning - Abrasive strip on Cross Bar & Abrasive coating on Outside Lever
Finish Protection	**CPC-**	Clear Powder Coat (Available for 32 & 32D Finishes)
	SG-	MicroShield® antimicrobial clear powder coat
Through Bolts	**TB-**	Through-bolts for 9900, 9800 & 9700 Devices

Note: Tactile Warning with Knurled Cross Bars is available, please consult factory (not available with 9400 devices)

Mounting Heights

- 36" (914mm) Cross Bar above finished floor for standard application

Hand

Inside

Left Hand Reverse "LHR"

Right Hand Reverse "RHR"

Outside

1/8" (3mm)

Stop Height

Door Opening Height

Door

1/4" (6mm)

36" AFF

Finished Floor
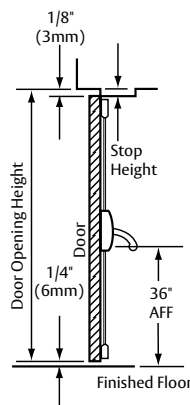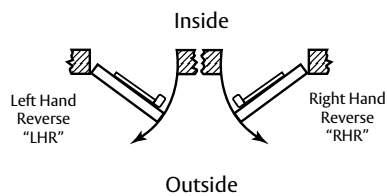
Cylinder Options:

Degree Key System	**DG1-**	SARGENT Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-60-	Degree Level 1 Removable Disposable Construction Core
	DG1-63-	Degree Level 1 Removable Core
	DG1-64-	Degree Level 1 Removable Construction Keyed LFIC
	DG1-65-	Degree Level 1 Unassembled/Uncombined Core
	DG2-	SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-60-	Degree Level 2 Removable Disposable Construction Core
	DG2-63-	Degree Level 2 Removable Core
	DG2-64-	Degree Level 2 Removable Construction Keyed LFIC
	DG2-65-	Degree Level 2 Unassembled/Uncombined Core
	DG3-	SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
	DG3-60-	Degree Level 3 Removable Disposable Construction Core
	DG3-63-	Degree Level 3 Removable Core
	DG3-64-	Degree Level 3 Removable Construction Keyed LFIC
Signature Key System	**84-**	SARGENT Signature Key System (Not Available with other Key Systems)
	BR-	SARGENT Signature Construction Key System (Lost Ball)
	LC-	SARGENT Signature UL437 Key System (Not Available with other Key Systems)
Signature- LFIC Removable Core	**SC-**	SARGENT Signature Removable Core Cylinder
XC- Key System	**SE-**	XC Key System (Not available with other Key systems unless specified)
	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format Interchangeable Core (Removable Core)	**11-60-**	Device to accept XC- Permanent Removable Core, Disposable plastic Core- provided
	11-63-	Device provided with XC- Removable Core Cylinder - (Includes masterkeying, grand masterkeying)
	11-64-	Device provided with Keyed construction core to accept XC- Removable Permanent Core (ordered separately)
XC- Small Format Interchangeable Core	**11-70-7P-**	Device to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
	11-72-7P-	Device to accept XC- SFIC (7-pin Keyed Construction Core provided) cylinder Permanent core ordered separately
	11-73-7P-	Device provided with XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)
	11-65-73-7P-	Device provided to accept XC- Uncombined 7-Pin SFIC (Permanent) Core - (Packed Loose)

Note: For V-10 Cylinders and information, contact ASSA, Inc @ 800-235-7482

Cylinder Options:

Construction Key Systems	21-	SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)
	22-	SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only) (N/A with 10-, 11-, 63- or 73-)
Old Style Removable Core	51-	Removable Core Cylinder (Old Style) provided (existing systems only)
	52-	Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)
Large Format Interchangeable Core (Removable Core)	60-	Device to accept SARGENT Permanent Removable Core, Disposable plastic Core provided (Permanent Cores ordered separately)
	63-	Device provided with Removable Core Cylinder - (Includes masterkeying, grand masterkeying)
	64-	Device provided with Keyed construction core to accept Removable Permanent Core (ordered separately)
Small Format Interchangeable Core	70-	Device to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided
	72-	Device to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)
	73-	Device provided with 6-pin SFIC (Includes masterkeying, grand masterkeying)
	65-73-	Device provided to accept Uncombined 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	65-73-7P-	Device provided to accept Uncombined 7-Pin SFIC (Permanent) Core - (Packed Loose for field keying)
	73-7P-	Device provided with Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)
Keso & Keso F1	81-	Device provided with housings to accept Keso (83) & Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)
	82-	Device provided with SARGENT Keso Security Cylinder
	F1-82-	Device provided with SARGENT Keso F1 Security Cylinder (Patented)
	83-	Device provided with SARGENT Keso Security Removable Core cylinder
	F1-83-	Device provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)
	84-	Device provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)
Added Security	BR-	Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)
Less Cylinder	LC-	Less Cylinder - SARGENT supplies standard blocking rings for 1-1/8" Cylinders (For longer cylinders order collars/rings separately)
Schlage Keyways	SC-	Schlage C keyway cylinder, 0 bitted
	SE-	Schlage E keyway cylinder, 0 bitted

How to Order Exit Devices

Example Order:

12-	99	75	ETMR	12VDC	RHR	26D	32D	36"	84"	36"
Options	Device Type	Function	Trim	Voltage	Hand Finish	Outside Finish	Inside Finish	Door Width	Opening Height	AFF
Available Options Listing Pgs 17-18	99 - Mortise	04 - Night Latch	For ET trim specify ET followed by Lever design, See pages 10-13	12VDC	RHR	Available Finishes page 21	Inside Finish Available Finishes page 21	If door width is supplied Cross Bar will be cut to size	Required for Vertical Rod Exit Devices	36" Cross Bar above finished floor for std application
	98 - Rim	06 - Night latch		24VDC	LHR					
	97 - SVR	10 - Dummy								
	94 - CVR Narrow	13 - Classroom	Voltage required for Solenoid Controlled Functions - 73, 74, 75 & 76						
		15 - Passage								
		28 - TP Passage	For Thumb Piece Trims and Pulls specify Trim Designation as specified by Device Type							
		63 - TP Classroom								
		73 - Solenoid Fail Safe								
		74 - Solenoid Fail Secure	For 300 Series Auxiliary Controls; specify 306 or 313 with 10, 73 or 74 Function Devices							
		75 - Solenoid Fail Safe w/Cyl								
		76 - Solenoid Fail Secure w/Cyl	For PRK Trim; specify PRK							

Legend

AFF - Above Finish Floor
ET - SARGENT External Lever Trim
CVR - Concealed Vertical Rod
TP - Thumb Piece Trim
SVR - Surface Vertical Rod

Through-bolts

Device	Through-bolts	*Ordering
9800	4	97-2578
9900	4	97-2578
12-9800	4	97-2578
12-9900	4	97-2578
9700	14	97-2579
12-9700	14	97-2596

*Specify Finish

To order Through-bolts, specify TB- Option. Examples: TB-9804 x FLL x RHR x 32D or TB-9804 x PRK x LHR x 10. Through-bolts and mortise nuts must be specified to mount fire exit devices on composite fire doors with steel, wood or plastic covering.

Note: PRK Trim: When PRK trim is ordered with 9700, 12-9700, 9800 and 9900 Series Exit Devices, placement of bolts at center case differs (See illustration)

Center Bearing Bracket

9700   12-9700   9800 & 9900
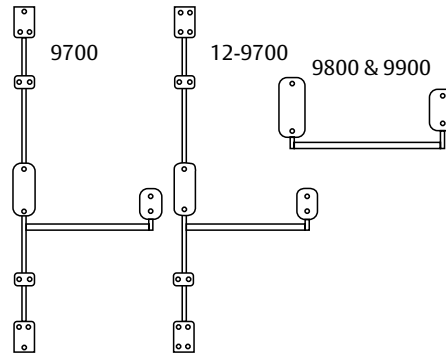
All exit devices used on doors 48" wide and wider will be furnished with a matching center bearing bracket at an additional charge. This bracket assists in supporting the long crossbar and adds an extra spring to help counter balance the crossbar.

Finishes and Finish Care

90 Series Exit Devices

Finishes

SARGENT #	BHMA#	Description	How to clean	Avoid these cleaners
3	605	Polished brass, clear coated	Mild non-abrasive detergent with damp cloth or sponge	Abrasive cleaners, bleach solvents, steel or bronze wool
4	606	Satin brass, clear coated		
9	611	Polished bronze, clear coated		
10	612	Satin bronze, clear coated		
10B	613	Oxidized bronze, oil rubbed	Lemon oil polished with dry cloth	Abrasive cleaners, bleach solvents, steel or bronze wool
10BE	613E	Dark oxidized satin bronze, equivalent		
10BL+	614	Oxidized satin, bronze, clear coated	Mild non-abrasive detergent with damp cloth or sponge	Abrasive cleaners, bleach solvents, steel or bronze wool
20D	624	Statuary dark bronze, clear coated		
32**‡	629**	Polished stainless steel		
32D**‡	630**	Satin stainless steel	Plastic pad or bronze wool	Cleaners, solvents, bleach, steel wool

+ Note: Finish not available, 9400 / 12-9400

‡ PRK Trim is not available in 32 or 32D

** 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. 26 or 26D is automatically supplied as a trim finish when 32 or 32D is specified for the exit device finish. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

Note: Arms Nickel Plated to match 32 and 32D

Note: FLW Trim is NOT available in 32 or 32D

To avoid discoloration and pitting:

- Keep stainless steel away from contact with other metals
- Avoid cleaning with mineral acids or chlorine products
- Avoid cleaning with abrasive products like sandpaper or steel wool

To maintain the finish:

- Remove any contamination before damage occurs
- Protect with a metal polish or car wax

Suggested Architect's Specification

- All exit devices must be listed under "panic hardware" in accident equipment list of Underwriters' Laboratories
- All exit devices, regardless of type, shall be of matching design
- Crossbar must have minimum wall thickness of .062" or be reinforced
- Main arm pivots shall be stainless steel
- Springs shall be stainless steel
- Crossbars and arms shall be counter balanced by springs in both center case and hinge style cases
- All exit devices shall be of chassis mounted unit construction with removable covers
- Top and bottom rods of vertical rod devices shall be a minimum of 3/8" diameter
- Where labeled fire doors are used as exits, they must be equipped with labeled fire exit hardware
- All crossbars on exit devices to be locked down by inside dogging feature accomplished by depressing crossbar and turning key

Rod Replacement Kits

Product	Top Rod Kit *	Bottom Rod Kit **
3	670T	670B

Note: Finish Information Required
* Door Height & Rail Location Required
** Rail Location Required

571 Rod Extension Kits

- For use on surface mounted vertical rods
- Kits available in 6" (15.2cm), 12" (30.4cm) or 18" (45.7cm) lengths

To order: Specify length and finish
Example: 571-6" x 26D

SARGENT®

ASSA ABLOY

SARGENT Manufacturing Company
100 Sargent Drive
New Haven, CT 06511 USA
800-727-5477
www.sargentlock.com

ASSA ABLOY is the global
leader in door opening solutions,
dedicated to satisfying
end-user needs for security,
safety and convenience

Founded in the early 1800s, SARGENT® is a market leader in locksets, cylinders, door closers, exit devices,
electro-mechanical products and access control systems for new construction, renovation, and replacement applications.
The company's customer base includes commercial construction, institutional, and industrial markets.

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