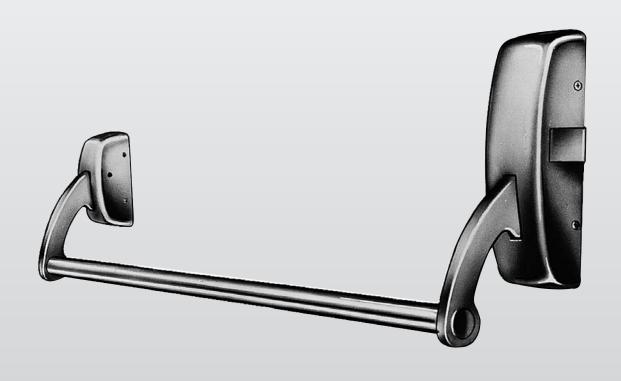


90 Series Exit Device



SARGENT

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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

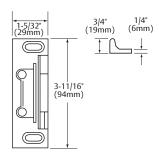
- Two point latching (top and bottom of the door)
- Top & bottom latchbolt projection adjustable through center case
- Standard bottom latch compatible with latchtrack thresholds (by others)
- · Single and double door applications
- Devices are ANSI A156.3 2008 Grade 1
- UL Fire and Panic listed
- Rods 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 3		
Opening Height	84" (2134mm) Standard	

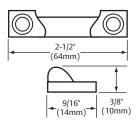
646 Top Strike

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



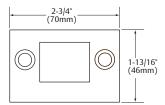
624 Bottom Strike

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



655 Bottom Strike

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

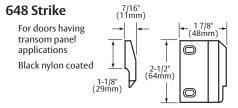


Inside Lever Assembly for 300 Series Aux Control

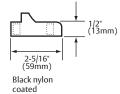


Attaches to top rod and engages with 300 Series Auxiliary Control. Packed standard with 306 and 313 Auxiliary Controls Part # 97-2378

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



653 Strike



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9700 Functions and Trims

90 Series Exit Devices

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

700 Series ET Trim



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

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

Options
9700
Mechanical Options: 12- 14- 31- 36- 37- 42- 54- 76- 85- 86- 87- CPC- *** SG- TB- Cylinder Options:
Cylinder Options: 10- 10-21- 10-63- 11- 11-60- 11-63- 11-64- 11-70-7P- 11-72-7P- 11-73-7P- 21- 22- 51- 52-
60- 63- 64- 70- 72- 73- 65-73-7P- 81- 82- F1-82- 83- F1-83- 84- BR- LC- SC-
*** Only available with 15, 26D, and 32D finishes

Options

300 Series++ **Auxiliary Control**

300 Series Auxiliary Control

SARGENT Function Numbers	ANSI Function Numbers	Descri
06	12	Key unlo Turn re #
13	11	Key O

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

Pull & Thumb Piece Trim Section

	I I I I 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)			1	ē)	9700 Panic & Fire
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: Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

Available

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

Series

^{**} Cylinder Override is available with a 306 Aux Control

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Finishes and Finish Care

90 Series Exit Devices

Finishes

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

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

Note: Arms Nickel Plated to match 32 and 32D **Note:** FLW Trim is NOT available in 32 or 32D

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

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

90128

^{**} 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.

Mullions: Aluminum, Steel and Electrified

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90 Series Exit Devices

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	ns HC980 980S L980S HCL980 12-HI				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 tw 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 - 98-260 Top Retainer Shim Kit - 60

^{*} 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-, 10-63-, 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-, 10-63-, 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 20 for option details

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Mullion Accessories, Stabilizers and Door Coordinators

90 Series Exit Devices

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Mullion Accessories

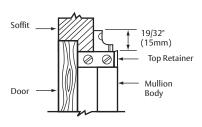
RK980

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



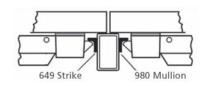
507 Narrow Transom Bars Adapter

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

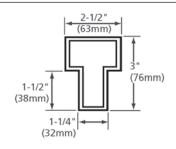


980S Mullion Application

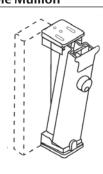
• All steel mullions are 2" x 3"



980 Mullion & **L980 Lockable Mullion**



Lockable Mullion

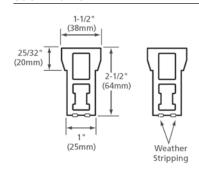


651 Mullion Stabilizer Kit



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

650A Mullion



980C1 Cylinder Mullion Kit





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

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

980C2 Cylinder Mullion Kit







- · Electrified only
- Includes cylinder and collar

Mechanical Options and Descriptions

90 Series Exit Devices



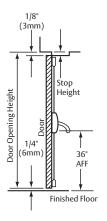
Mechanical Options:

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
	76-	Tactile Warning - Milled Outside Lever (Not available with Studio & Coastal Levers and the A Lever)
Tactile Warning	85-	Tactile Warning - Abrasive strip on Cross Bar
Options	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 (only available with 15, 26D and 32D finishes)
Through Bolts	TB-	Through-bolts for 9900, 9800 & 9700 Devices

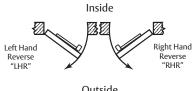
Note: Tactile Warning with Knurled Cross Bars is available, please consult factory (not available with 9400 devices)

Mounting Heights

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



Hand



Outside

Cylinder Options and Descriptions

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90 Series Exit Devices

Cylinder Options:

	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
Degree Key System	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	10-	SARGENT Signature Key System (Not Available with other Key Systems)
Key System	10-21-	SARGENT Signature Construction Key System (Lost Ball)
Signature- LFIC Removable Core	10-63-	SARGENT Signature Removable Core Cylinder
VC Vov System	11-	XC Key System (Not available with other Key systems unless specified)
XC- Key System	11-21-	XC- Construction Key System (Lost Ball)
XC- Large Format	11-60-	Device to accept XC- Permanent Removable Core, Disposable plastic Core- provided
Interchangeable Core	11-63-	Device provided with XC- Removable Core Cylinder - (Includes masterkeying, grand masterkeying)
(Removable Core)	11-64-	Device provided with Keyed construction core to accept XC- Removable Permanent Core (ordered separately)
	11-70-7P-	Device to accept XC- SFIC (7-Pin) XC- Permanent Cores, plastic disposable core provided
XC- Small Format Interchangeable Core	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- Uncombinated 7-Pin SFIC (Permanent) Core - (Packed Loose)

07/19

Cylinder Options and Descriptions 90 Series Exit Devices



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	60-	Device to accept SARGENT Permanent Removable Core, Disposable plastic Core provided (Permanent Cores ordered separately)	
Interchangeable Core (Removable Core)	63-	Device provided with Removable Core Cylinder - (Includes masterkeying, grand masterkeying)	
(nemovable core)	64-	Device provided with Keyed construction core to accept Removable Permanent Core (ordered separately)	
	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)	
Small Format Interchangeable	73-	Device provided with 6-pin SFIC (Includes masterkeying, grand masterkeying)	
Core	65-73-	Device provided to accept Uncombinated 6-Pin SFIC (Permanent) Core - (Packed Loose for field keying)	
	65-73-7P-	Device provided to accept Uncombinated 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)	
	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	
Keso & Keso F1	F1-82-	Device provided with SARGENT Keso F1 Security Cylinder (Patented)	
KC30 & KC30 TT	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-	BR- Bump Resistant Cylinder (Available with Conventional & Conventional XC Cylinders Only)	
Less Cylinder	inder 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	