

## 8X Line Cylindrical Knob Locks



# Specifications

## 8X Line Cylindrical Knob Locks

Features and Benefits.....	3
Functions, Knob and Rose Design.....	4
Latches and Strikes.....	5
Mechanical Options and Cylinder Options .....	6
How to Order, Finishes/Packaging and Architectural Specifications.....	7

### Specifications

Door Thickness	1-3/8" (35mm) – 2" (51mm). Factory preset to 1-3/4" (44mm)
Backsets	2-3/4" (70mm) standard
Front	Heavy wrought brass or stainless steel 2-1/4" (57mm) x 1-1/8" (29mm) Self-adjusting for flat to 1/8" (3mm) in 2" (51mm) bevel
Strike	Heavy wrought brass or stainless steel 808 ANSI curved lip strike standard, (specify 28-) 800 curved lip strike optional
Hand	Universal, not handed
Knob	Heavy wrought brass or stainless steel
Roses	Heavy wrought brass or stainless steel
Latch	Stainless steel bolt 7/8" (22mm) dia. x 1/2" (13mm) throw
Cylinder	Brass, 6 pin, LA keyway standard
Keys	Two, nickel silver
Masterkeying	Can be masterkeyed or grand masterkeyed Construction key systems available
Finishes	03, 10BE, 32D
Door Prep	ANSI/BHMA A156.115 (US 161)
Minimum Stile	4-1/2" (114mm) with 2-3/4" backset

### Certification Compliance

ANSI/BHMA	Certified ANSI/BHMA A156.2 Series 4000 - Grade 1
UL-cUL	UL and cUL Listed to U.S.A. and Canadian safety standards. Listed for 3 Hour Doors
Positive Pressure	Meets ANSI/UL 10C, Positive Pressure Fire Test of Door Assemblies

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.

### On the Cover

SARGENT 8XG05 X LB X 32D  
Entry Lock with L rose and B knob in Satin Stainless Steel

# Functions, Knob and Rose Design

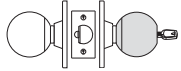
## 8X Line Cylindrical Knob Locks

**SARGENT®**  
**ASSA ABLOY**

### Single Cylinder Functions

#### 04 Storeroom or Closet

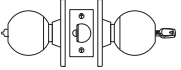
8XG04



- Key outside retracts latch
- Knob outside rigid at all times
- Knob inside retracts latchbolt
- Deadlocking latch
- ANSI/BHMA F86

#### 05 Entrance or Office

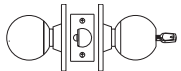
8XG05



- Latch by either knob unless outside knob is locked by turn button in inside knob
- Turn button released by key outside or knob inside
- Turn button must be released manually
- Key retracts latch when outside knob is locked
- Deadlocking Latch
- ANSI/BHMA F109

#### 37 Classroom

8XG37

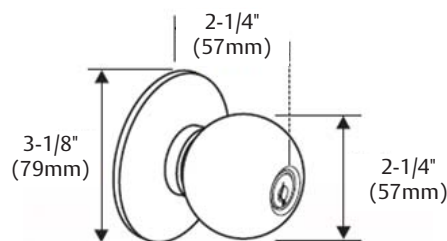


- Key outside locks or unlocks knob outside
- Knob outside retracts latch unless locked
- Knob inside always retracts latch
- Deadlocking latch
- ANSI/BHMA F84

♦ Use only on rooms with more than one exit.

### LB Design

- Rose: L – Heavy Wrought
- Knob: B – Heavy Wrought

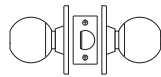


Knob projections shown are for 1-3/4" (44mm) thick doors and will vary by door thickness.

### Non-Cylinder Functions

#### 65 Privacy/Bathroom

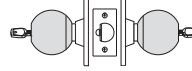
8XU65



- Either knob retract latch unless outside knob is locked by push button
- Push button is released by turning inside knob or closing the door
- Emergency release in outside knob unlocks outside knob with use of a blade screw driver or emergency key and releases inside button
- ANSI/BHMA F76A

#### ♦ 17 Utility, Asylum or Institution

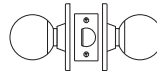
8XG17



- Key from either side retracts latch
- Both knobs rigid at all times
- Deadlocking latch
- ANSI/BHMA F87

#### 15 Passage

8XU15



- Either knob retracts latch
- ANSI/BHMA F75

#### 93 Single Knob Pull

8XU93



- Knob always rigid
- No latch included
- Surface mounted

# Mechanical Options and Cylinder Options

## 8X Line Cylindrical Knob Locks

### Mechanical Options:

Strike	<b>28-</b>	Strike #808. Lip length 1-1/4". Other lip lengths available by separate order.
Security Fasteners	<b>36-</b>	Six lobe security head screws
	<b>37-</b>	Spanner head screws
Box Strike	<b>WBS-</b>	Wrought Box Strike

### Cylinder Options:

Conventional Cylinder	-	SARGENT Conventional Cylinders supplied Standard (Nomenclature not required) 0.226"
Degree Key System	DG1-	Sargent Degree Key System Level 1 (bump resistant with patented keys)
	DG1-21-	Degree Level 1 Construction Master Keying
	DG1-65-	Degree Level 1 Unassembled/Uncombined Fixed Core Component Cylinder (packed loose for field keying)
	DG2-	Sargent Degree Key System Level 2 (geographically exclusive; bump and pick resistant)
	DG2-21-	Degree Level 2 Construction Master Keying
	DG2-65-	Degree Level 2 Unassembled/Uncombined Fixed Core Component Cylinder (packed loose for field keying)
	DG3-	Sargent Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)
	DG3-21-	Degree Level 3 Construction Master Keying
Signature Key System	10-	SARGENT Signature Key System
	10-21-	SARGENT Signature Construction Key System (Lost Ball)
XC- Key System	11-	XC Key System (not available with other Key Systems, unless specified)
	11-21-	XC Construction Key System (Lost Ball)
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-)
Less Cylinder	LC-	Lock supplied less Cylinder

# How to Order, Finishes/Packaging & Architectural Specifications

## 8X Line Cylindrical Knob Locks

### How To Order

Specify	Note	Example
Quantity	Number Ordered	1 Qty
*Option	Additional Feature	1 Qty 36-28-
Lock Function	See Functions	1 Qty 36-28-8XG05
Trim Design	Rose x Knob	1 Qty 36-28-8XG05 LB
Finish	See Finishes	1 Qty 36-28-8XG05 LB 32D
Additional Information	Item/Heading Number, Door Number, Keyset Information	1 Qty 36-28-8XG05 LB 26D x Item 01 x DRL201 x Keyset AA3

\*Can choose multiple options

### Packaging

28-8XG05 x LB x 32D
3 lbs (1.4kg)

### Finishes

US Finish	Descriptions	ANSI/BHMA
03	Polished brass, clear coated	605
10BE	Dark Oxidized Satin Bronze — equivalent	613E
32D	Satin stainless	630

### Suggested Architectural Specifications

<b>2.1 Heavy Duty Bored Lock</b>		
<p>A. All bored knob locks shall be provided by Sargent Manufacturing Company, New Haven, CT.</p> <p>B. Locks shall be certified ANSI A156.2 Series 4000, Grade 1.</p> <p>C. Locks shall be completely reversible without disassembly of cylinder and knob.</p> <p>D. Locks shall be able to fit a standard 2-1/8" (55 mm) bore (161 prep). Standard rose size shall be 3-1/8" (79 mm) diameter.</p>	<p>E. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of 3 hours (A label) and less, for doors up to 4'0" (1.2m) x 10'0" (3.0m)</p> <p>F. Latch shall be minimum 1/2" (13mm) throw.</p> <p>G. Locks shall have 2-3/4" (70 mm) backset, standard.</p> <p>H. Locks shall have brass 6-pin cylinder, standard.</p>	<p>I. Provide two Nickel Silver keys with each lock.</p> <p>J. Locks shall have a three year limited warranty.</p>