X SERIES ROSE OPTIONS
Heavy Duty Series
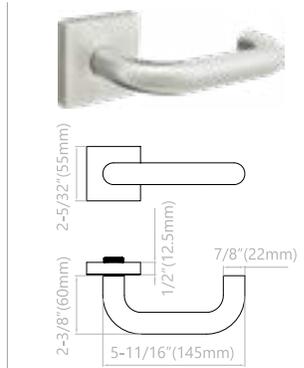

2-1/2"(63.5mm)	2-9/16"(65mm)	2-1/16"(53mm)	2-5/32"(55mm)
2-3/8"(60mm) · 1/2"(12.5mm) · 7/8"(22mm)	2-3/8"(60mm) · 1/2"(12.5mm) · 7/8"(22mm)	2-3/8"(60mm) · 1/2"(12.5mm) · 7/8"(22mm)	2-3/8"(60mm) · 1/2"(12.5mm) · 7/8"(22mm)
5-11/16"(145mm)	5-11/16"(145mm)	5-11/16"(145mm)	5-11/16"(145mm)
XRA	**XSE**	**XGT**	**XGS**

DESIGNER LEVERS

201	202	205	221	243	244
276	318	319	320	345	346
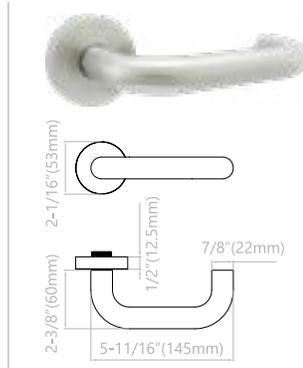
FINISH

Standard:

32D	C19G	C19	CGY	CDB
32	PVD4			

HEAVY DUTY MC7000 MORTISE LOCKS
ANSI/BHMA Grade 1

SPECIFICATIONS

Door Thickness	1-3/4" (45mm) standard
	Thick Door Kits available
Backset	2-3/4" (70mm)
Handing	Specify handing for all functions
Lockcase	Field reversible without disassembly
Lever Spindle	8mm x 8mm square
Thumbturn Spindle	5mm x 5mm square
Center to Center	Lever to Cylinder: 3-7/8" (98mm) Lever to Thumbturn: 2-11/16" (68mm)
Case Size	4" x 6-1/16" x 15/16" (102mm x 154mm x 24mm)
Deadbolt	1" (25mm) throw in stainless steel
Latchbolt	3/4" (19mm) anti-friction throw
Cylinder	Schlage C keyway 6 pin mortise cylinder with 2 keys standard. Optional keyways, keying services, and IC cores available
Lockcase	Heavy gauge plated steel
Strike	ANSI stainless steel strike, 4-7/8" x 1-1/4" curved, field reversible
UL	UL listed for 3-hour fire door

FEATURES

Built with heavy-duty stainless steel components and lock body, the MC7000 Series has been engineered to exceed 1 million testing cycles for high traffic applications.

The auxiliary latch provides extra security when the door is closed, but the lock still provides emergency egress in case of crisis. Strong spring chassis, concealed bolt-through fixing and flexibility of sectional and plate trim combinations makes this a set unmatched for both beauty and strength.

CODE COMPLIANCE

ANSI/BHMA A156.13 Grade 1 Mortise Locks
UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
UBC Standard 7-2 (1997) NFPA 252
NFPA 80 National Fire Protection - Fire Door Assembly
NFPA101 National Fire Protection - Life Safety
ANSI/BHMA A156.18 Finishes
ANSI A117.1 ADA Accessibility

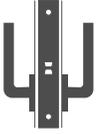| **Description**	**Standard Finish**
MC7000 Series Lockcase with X Series Trim	32D Satin Stainless Steel
	32 Bright Stainless Steel
	PVD4 Satin Brass

For additional finish options not listed, contact Sales Department for MOQ and lead times

inox® www.inoxproducts.com Sacramento, CA, USA

FUNCTIONS
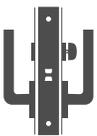## Non-Keyed Locks

MC7010 (ANSI: F01)
Passage Latch
• Latchbolt operated by lever from either side at all times
• Inside lever is always free for immediate egress

MC7025 (ANSI: F31)
Exit/Communicating
• Latchbolt operated by inside lever
• Blank trim or no outside trim
• Auxiliary latch deadlocks latchbolt when door is closed

MC7040 (ANSI: F22)
Privacy Lock with Coin Turn
• Latchbolt operated by lever from either side except when outside lever is locked by inside thumbturn
• Operating inside lever, closing door or operating outside emergency release coin turn unlocks outside lever
• Inside lever is always free for immediate egress

MC7176
Full Dummy with Lockcase
• Used as pull or matching trim on pairs of doors

MC7440 (ANSI: F19)
Privacy with Deadbolt and Coin Turn
• Latchbolt operated by lever from either side
• Deadbolt operated by inside thumbturn
• Operating deadbolt locks outside lever
• Deadbolt and latchbolt operated simultaneously by inside lever and unlocks outside lever
• Operating outside emergency release coin turn unlocks outside lever
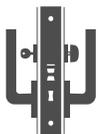
FUNCTIONS
Single Cylinder

Non-Deadbolt
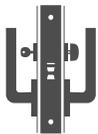
**MC7050 (ANSI: F04)**
Office and Inner Entry

- Latchbolt operated by lever unless outside lever is locked by key or thumbturn inside
- When outside lever locked, latchbolt can be retracted by key outside or lever inside
- No deadbolt; auxiliary latch deadlock latchbolt closed
- Inside lever is always free for immediate egress

MC7053 (ANSI: F04)
**Office and Inner Entry with Toggle**

- No thumbturn; latchbolt operated by inside lever or outside key
- Toggle always in locked position unless manually unlocked. Locking or unlocking latchbolt resets toggle to locked position
- When door is locked, auxiliary latch deadlocks latchbolt. Inside lever always allows emergency egress
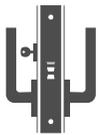
MC7070 (ANSI: F05)
Classroom

- Latchbolt operated by lever from either side except when outside lever is locked from outside by key
- When outside lever is locked, latchbolt is retracted by key or by operating key and outside lever from outside or by operating inside lever
- Auxiliary latch deadlocks latchbolt when door is closed
- Inside lever is always free for emergency egress
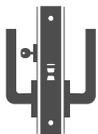
MC7080 (ANSI: F07)
Storeroom

- Latchbolt operated by key from outside or by operating inside lever
- Outside lever is always inoperative
- Auxiliary latch deadlocks latchbolt when door is closed

Deadbolt

MC7453 (ANSI: F20)
Entrance with Toggle

- Latchbolt operated by lever from either side, except when outside lever is made inoperative by toggGle
- Deadbolt operated by key outside or inside thumbturn
- Key outside operates both bolts
- Operating inside lever retracts both bolts; outside remains locked
- Latchbolt is deadlocked when outside lever is made inoperative or when the deadbolt is projected. When deadbolt is retracted, lever is unlocked by toggle
- Auxiliary latch deadlocks latchbolt when door is closed
- Inside lever is always free for emergency egress

MC7438
Entrance without Toggle

- Latchbolt operated by lever from either side
- Deadbolt operated by key outside or thumbturn inside
- Key outside operates both bolts
- Operating inside lever retracts both bolts; outside remains locked
- Latchbolt is deadlocked when outside lever is made inoperative or when the deadbolt is projected
- Auxiliary latch deadlocks latchbolt when door is closed
- Inside lever is always free for emergency egress

MORTISE LOCKCASE
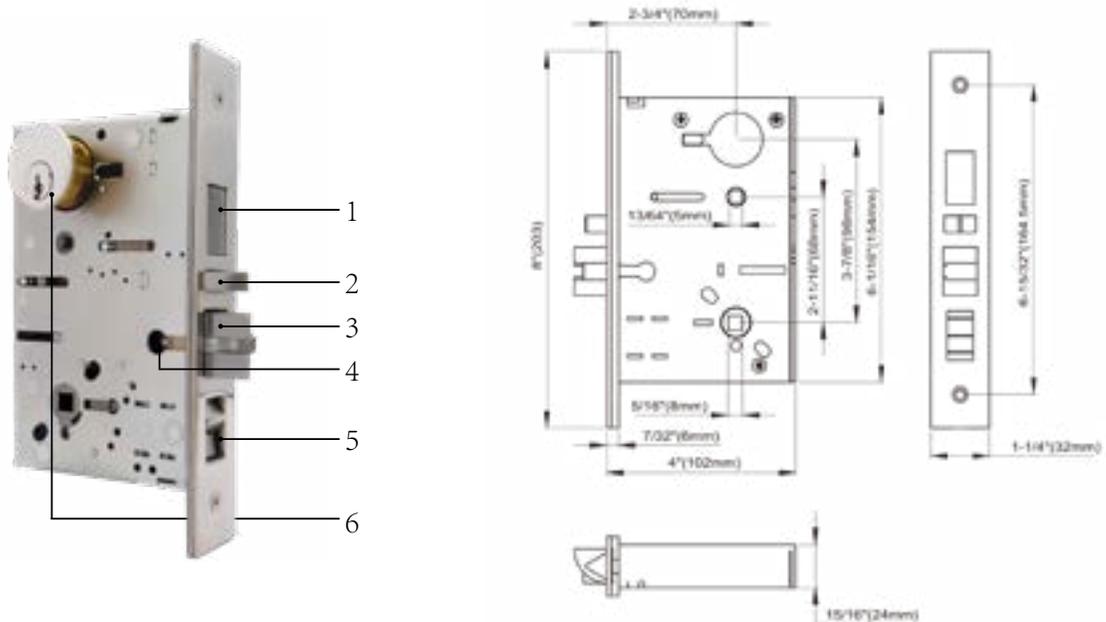## MC7000 Dimensions

1. 1" throw, heavy duty stainless steel deadbolt
2. Auxiliary latch deadlocks latch bolt when door is closed, providing extra security
3. Guarded, two-piece stainless steel 3/4" latch bolt projection with mechanical anti-friction tongue
4. Field reversible: latch direction can be easily reversed without opening lock case
5. When toggle switch is locked, outside lever is inoperative; when toggle switch is unlocked, outside lever is operative
6. 6-pin solid brass mortise cylinder

CHANGE HANDING

How to Change Handing
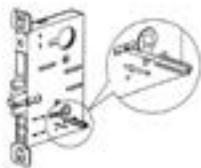
Remove catch screw on the chassis facing the outside and push out the block piece.
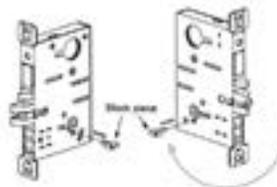
Reinsert the block piece on the opposite side and use the fixing screw to fasten the block into place.

Change Latchbolt Handing
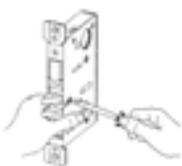
Remove fixing screw and pull latchbolt out from the lock case.

Rotate the latchbolt to the opposite direction, reinsert in lockcase and fasten with screw.

THUMBTURN AND RELEASE OPTIONS

9/32"(7.5mm)
2-3/4"(70mm)

EC-R460PVS-ADA

9/32"(7.5mm)
1-1/2"(38mm)

EC-R460PVS

9/32"(7.5mm)
Ø 1"(25mm)

EC-R460PVS-TT02

3/8"(10mm)
2-3/4"(70mm)

EC-R530PVSW-ADA

3/8"(10mm)
1-1/2"(38mm)

EC-R530PVSW

3/8"(10mm)
Ø 1"(25mm)

EC-R530PVSW-TT02

5/16"(8mm)
2-3/4"(70mm)

EC-S420PVS-ADA

5/16"(8mm)
1-1/2"(38mm)

EC-S420PVS

5/16"(8mm)
Ø 1"(25mm)

EC-S420PVS-TT02

5/16"(8mm)
2-3/4"(70mm)

EC-S530PVSW-ADA

5/16"(8mm)
1-1/2"(38mm)

EC-S530PVSW

5/16"(8mm)
Ø 1"(25mm)

EC-S530PVSW-TT02
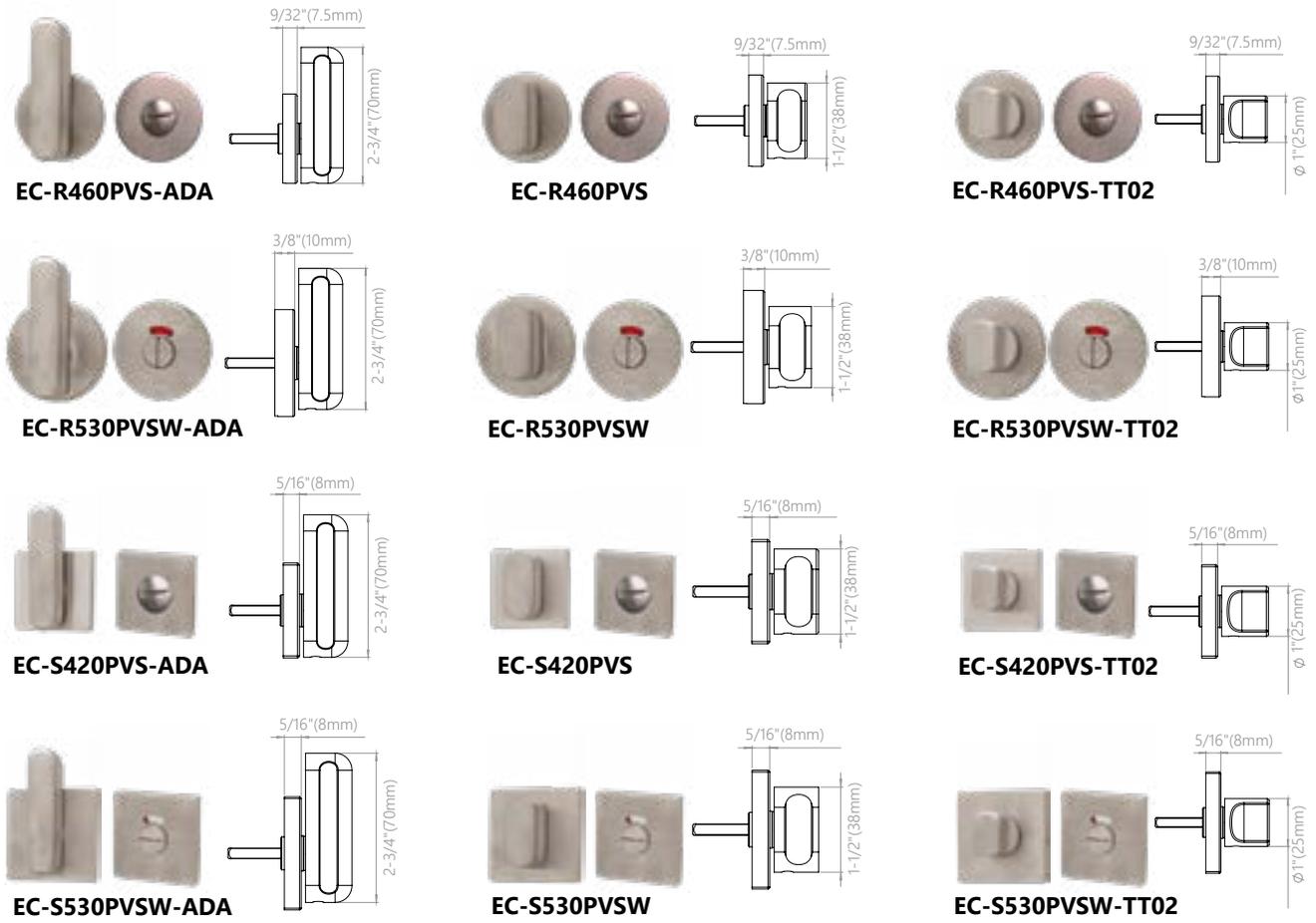
MORTISE CYLINDERS AND KEYS

Ø1-23/64" (34.5mm) 1/8" (3mm) Ø1-9/64" (29mm)

1-1/4" (32mm) 1/8" (3mm)
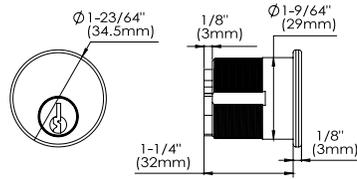
Schlage C Keyway, 6 Pin, with Clover Cam, 2 Keys
Standard Keyed Different (KD)
Other Keying Services available
All trims use 1-1/4" Mortise Cylinder for standard 1-3/4" door
Other sizes or keyway cylinders available. Order separately

Illustration	Item Code	Description	Size	ANSI
	Mortise Cylinders			
	CMB105	Mortise Cylinder, Schlage C Keyway, 5 pin, L Cam	1"	E09211
	CMB1186	Mortise Cylinder, Schlage C Keyway, 6 pin, L Cam	1-1/8"	E09211
	CMB1146	Mortise Cylinder, Schlage C Keyway, 6 pin, L Cam	1-1/4"	E09211
	CMB1386	Mortise Cylinder, Schlage C Keyway, 6 pin, L Cam	1-3/8"	E09211
	CMB1126	Mortise Cylinder, Schlage C Keyway, 6 pin, L Cam	1-1/2"	E09211
	CMB1346	Mortise Cylinder, Schlage C Keyway, 6 pin, L Cam	1-3/4"	E09211
	Dummy Cylinders			
	CMB1140DM*	Mortise Dummy Cylinders, No Cam	1-1/4"	E09211

* Dummy function lockset does not include dummy cylinder. Dummy cylinder ordered separately if required

INTERCHANGEABLE CORE (IC) HOUSING WITH REMOVABLE MORTISE CAM

Solid Brass/ Small Format (SFIC) Housing
Standard L Cam included for MC7000 Series mortise lock
Accepts Best, Arrow and Falcon Cores

Illustration	Item Code	Description	Size	ANSI
	CMB1146-ICBA-HUS	SFIC Mortise Cylinder Housing, 6 Pin	1-1/4"	E09241
	CMB1386-ICBA-HUS	SFIC Mortise Cylinder Housing, 6 Pin	1-3/8"	E09241
	CMB1126-ICBA-HUS	SFIC Mortise Cylinder Housing, 6 Pin	1-1/2"	E09241
	CMB1586-ICBA-HUS	SFIC Mortise Cylinder Housing, 6 Pin	1-5/8"	E09241
	CMB1387-ICBA-HUS	SFIC Mortise Cylinder Housing, 7 Pin	1-3/8"	E09241
	CMB1127-ICBA-HUS	SFIC Mortise Cylinder Housing, 7 Pin	1-1/2"	E09241
	CMB1587-ICBA-HUS	SFIC Mortise Cylinder Housing, 7 Pin	1-5/8"	E09241

INTERCHANGEABLE CORES ONLY

Solid brass plug and housing / Small Format (SFIC) Core in Best A Keyway
2 Change keys per Combinated Core – A2 System Only
1 master key or grand master key included per group/order

1 Control key per group/order
6 or 7 pin cores replace Arrow, Best, Falcon
Construction or Combinated Core

Illustration	Item Code	Description	ANSI
	CMB-ICBA6-CST	SFIC Core Only, Best A Keyway, 6 Pin, Construction	E09251
	CMB-ICBA6-CMB	SFIC Core Only, Best A Keyway, 6 Pin, Combinated	E09251
	CMB-ICBA7-CMB	SFIC Core Only, Best A Keyway, 7 Pin, Combinated	E09251

KEYS
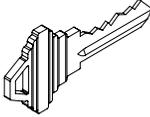
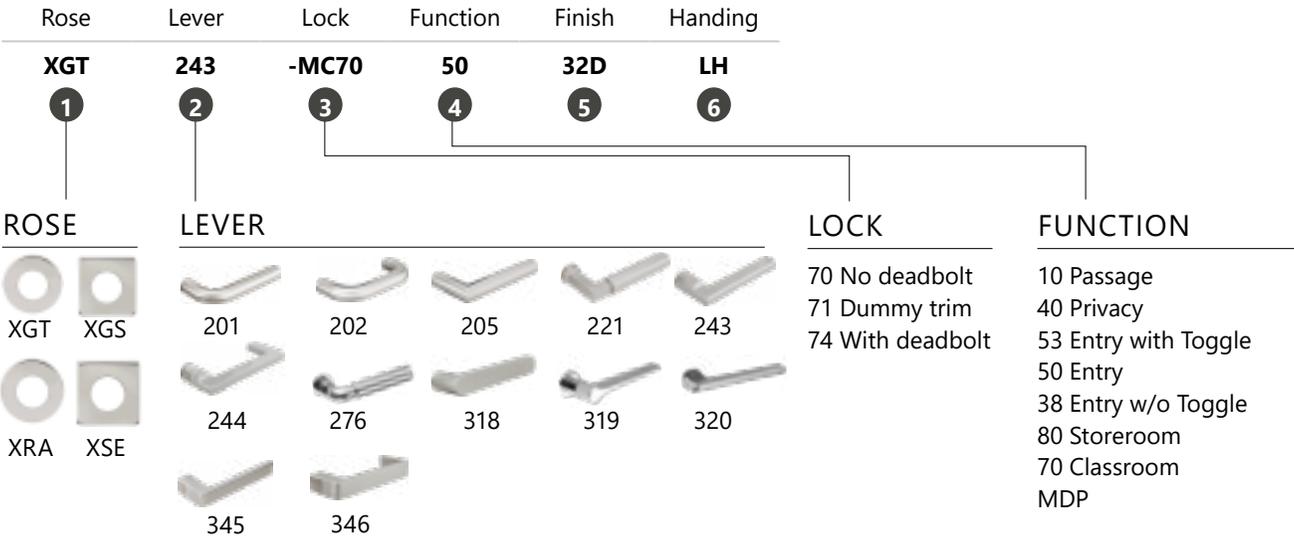| Illustration	Item Code	Description
	LSK-6SC-NP	Standard key Schlage C Keyway for 6 Pin, Nickel Plated
	LSK01-6SC-NS-DND	DND Nickel Silver Key, Schlage C Keyway for 6 Pin, w/"Do Not Duplicate"
	LSK06-BA-CRK	Extra Control Key for IC Core, Best A Keyway
	LSK06-BA-MK	Extra Master Key for IC Core, Best A Keyway
	LSK06-BA-GMK	Extra Grand Master Key for IC Core, Best A Keyway

KEYING SERVICES

Description	Item No.
Service: Key Cut including Key Blank	**SV-KYCT**
Service: Keyed Alike (KA)	**SV-KA**
Service: Keyed Alike Pair	**SV-KA2**
Service: Keyed Alike Group (Specify Number of Keyed Alike Per Group)	**SV-KA (Number)**
Service: Keyed to Specific Code	**SV-KS**
Service: Master Keying	**SV-MK**
Service: Grand Master Keying with 2 or more Master groups.	**SV-GMK**
Service: Construction Master Keying Service	**SV-CMK**
Service: Great Grand Master Key	**SV-GGMK**

Description	Item No.
Service: IC Core Key Cut including Key Blank	**SV-ICKYCT**
Service: IC Core Keyed Alike (KA) - Each cylinder in the group is keyed alike	**SV-ICKA**
Service: IC Core Keyed to Specific Code - Cylinder is keyed to a specific code	**SV-ICKS**
Service: IC Core Master Keying - 2 Change Keys per Cylinder and 3 Master Keys per MK	**SV-ICMK**
Service: IC Core Grand Master Keying (2 or more MK groups included)	**SV-ICGMK**
Service: IC Core Master Keying, 2 Change Keys Per Cyl, and 3 Master Keys per MK Group	**SV-ICMK**

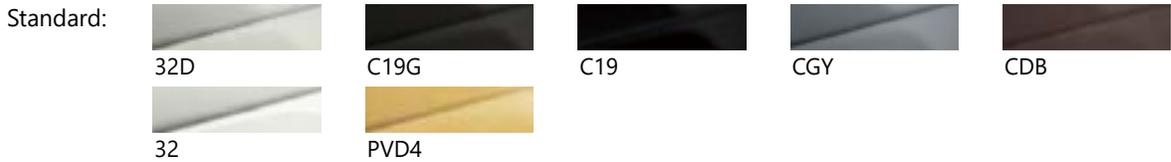| Description	Item No.
Service: Euro Cylinder Key Cut including Key Blank	**SV-CYKYCT**
Service: Euro Cylinder Keyed Alike (KA) - Each cylinder in the group is keyed alike	**SV-CYKA**
Service: Euro Cylinder Keyed to Specific Code - Cylinder is keyed to a specific code	**SV-CYKS**
Service: Euro Cylinder Master Keying - 2 Change Keys per Cylinder and 3 Master Keys per	**SV-CYMK**
Service: Euro Cylinder Grand Master Keying (2 or more MK groups included)	**SV-CYGMK**
Service: Euro Cylinder Master Keying, 2 Change Keys Per Cyl, and 3 Master Keys per MK	**SV-CYMK**

HOW TO ORDER STOCKED MC7000 SERIES MORTISE LOCKS WITH X SERIES ROSES

For leversets using the same interior and exterior lever and finish combination: Stock items have shorter lead times.

Rose	Lever	Lock	Function	Finish	Handing
XGT	**243**	**-MC70**	**50**	**32D**	**LH**
①	②	③	④	⑤	⑥

ROSE

XGT XGS

XRA XSE

LEVER

201 202 205 221 243

244 276 318 319 320

345 346

LOCK

70 No deadbolt
71 Dummy trim
74 With deadbolt

FUNCTION

10 Passage
40 Privacy
53 Entry with Toggle
50 Entry
38 Entry w/o Toggle
80 Storeroom
70 Classroom
MDP

⑤ FINISH

Standard:

32D C19G C19 CGY CDB
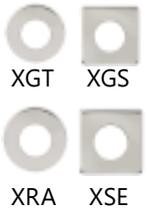
32 PVD4

⑥ HANDING

RH = Right Hand   LH = Left Hand   RHR = Right Hand Reverse   LHR = Left Hand Reverse
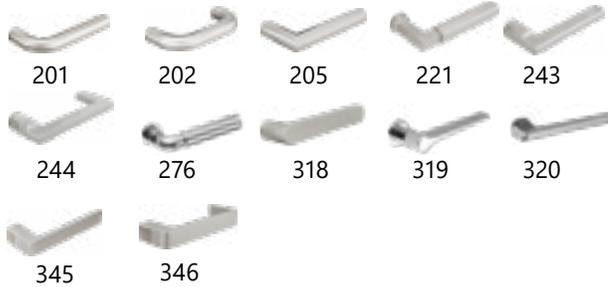
HOW TO SPECIFY NON-STANDARD MORTISE LOCKSETS

To order mortise locksets with a non-standard specifications, please list the requirements in the same sequence as below. Please see price book for parts and service upcharge.

Rose	Lever	Function	EL/EU	Cylinder	Thumbturn	Finish	Handing
XGT	**243**	**MC7XX**	**EU**	**SFIC6**	**GR04**	**32D**	**LH**
①	②	③	④	⑤	⑥	⑦	⑧

ROSE

XGT   XGS

XRA   XSE

LEVER OPTIONS

201   202   205   221   243

244   276   318   319   320

345   346

④ ELECTRIFICATION

EU   Electrically Unlocked (Fail Secure)   EL   Electrically Locked (Fail Safe)

⑤ CYLINDER

Specify the type of cylinder:
Mortise 6-pin 1-1/4" : CMB1146
Mortise 6-pin 1-1/8" : CMB1186
Small Format IC Housing Standard : CMB1146-ICBA-HUS
Small Format IC Housing Thick Door : CMB1387-ICBA-HUS
Large Format IC Housing : CMB112-LFIC-HUS
SFIC Core Combinated 6-pin : CMB-ICBA6-CMB
SFIC Core Construction 6-pin : CMB-ICBA6-CST
SFIC Core Combinated 7-pin : CMB-ICBA7-CST
LFIC Core Combinated 6-pin : CMB-LFIC-SC6-CMB

⑥ THUMBTURN

GT02   GT04   GT07   GS02   GS04   GS07

⑦ FINISH

Standard:

32D   C19G   C19   CGY   CDB

32   PVD4

⑧ HANDING

RH = Right Hand   LH = Left Hand
RHR = Right Hand Reverse   LHR = Left Hand Reverse

LOCK FUNCTIONS

Non-Keyed Lock

MC7010	Passage Latch (ANSI F01)
MC7040	Privacy Lock (w/Coin Turn ANSI F22)
MC7440	Privacy w/Deadbolt and Coin Turn
MC7496	Privacy w/Deadbolt and Coin Turn Indicator (ANSI F19)
MC7025	Exit/Communicating (ANSI F31)
MC0170	Half Dummy Trim w/out Lock Case
MC0172	Full Dummy Trim w/out Lock Case
MC7175	Half Dummy Trim w/Lock Case
MC7176	Full Dummy Trim w/Lock Case

Single Cylinder No Deadbolt

MC7050	Office and Inner Entry (ANSI F04)
MC7070	Classroom (ANSI F05)
MC7080	Storeroom (ANSI F07)

Double Cylinder No Deadbolt

MC7060	Apartment Entrance (ANSI F09)
MC7071	Security Intruder Latchbolt (ANSI F32)
MC7082	Asylum/Institution Lock (ANSI F30)

Single Cylinder Deadbolt

MC7453	Entrance w/Toggle (ANSI F20)
MC7438	Entrance w/o Toggle
MC7456	Dormitory/Exit/Corridor (ANSI F13)
MC7465	Closet/Storeroom
MC7473	Dormitory w/Deadbolt (ANSI F21)
MC7480	Storeroom Lock with Deadbolt
MC7485	Entrance/Hotel/Restroom Lock

Double Cylinder Deadbolt

MC7457	Classroom Security Lock (ANSI F33)
MC7466	Store Door Lock (ANSI F14)
MC7482	Institution Lock with Deadbolt

Full Mortise Deadlocks

MC7460	Cylinder and Thumbturn (ANSI F17)
MC7462	Double Cylinder (ANSI F16)
MC7463	Classroom (ANSI F29)
MC7464	Single Cylinder (ANSI F18)
MC7445	Thumbturn Only
MC7447	Thumbturn X Coin Turn Release
MC7446	Thumbturn X Coin Turn Release & Indicator