

ANSI/BHMA GRADE 1  
**Mortise Lock**



**INOX Stainless Steel Series -**  
**MC7000**  
**MC7000EU/UL**  
**MS500**

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**INOX MC7000** Mortise Locks and **INOX MS500** Small Mortise Locks are both Heavy Duty, Grade 1 fire-rated locks that will provide security, operational, and long-life functionality for your toughest projects.



<b>Applications</b>	Residential Light Duty Commercial Heavy Duty Commercial
<b>Backset</b>	2-3/4" (70mm)
<b>Door Thickness</b>	1-3/4" (45mm)
<b>Functions</b>	Up to 34
<b>UL Listing</b>	3-hour fire door
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<b>Functions</b>	Up to 7
<b>UL Listing</b>	3-hour fire door
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# HEAVY DUTY MC7000 MORTISE LOCKS

## ANSI/BHMA Grade 1



### SPECIFICATIONS

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



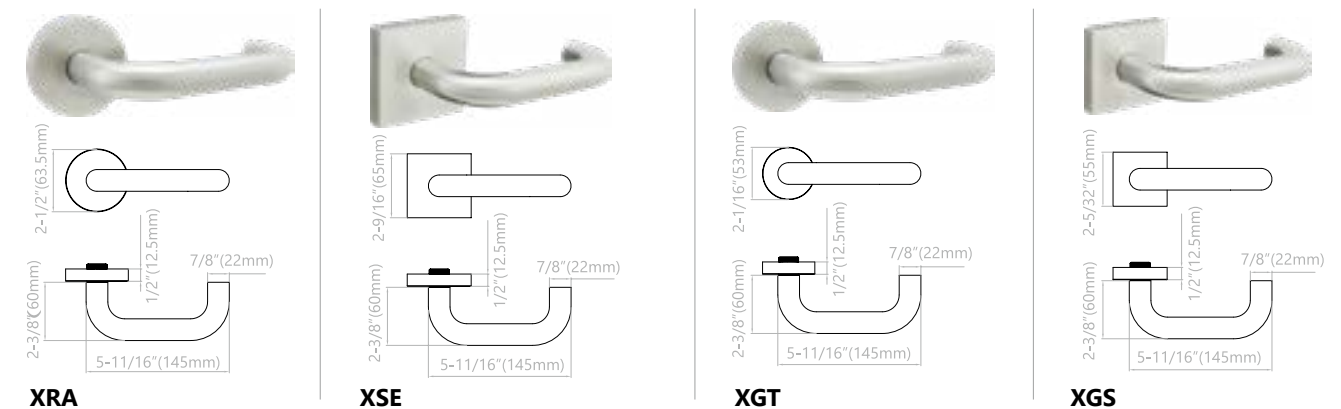
- ANSI/BHMA A156.13 Grade 1 Mortise Locks
- UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
- UBC Standard 7-2 (1997) NFPA 252
- NFPA 80 National Fire Protection - Fire Door Assembly
- NFPA101 National Fire Protection - Life Safety
- ANSI/BHMA A156.18 Finishes
- ANSI A117.1 ADA Accessibility

### STANDARD FINISHES

- 32D Satin Stainless Steel
  - 32 Bright Stainless Steel
  - PVD4 Satin Brass (243, 276 and 321 leversets only)
  - 26D Satin Chrome (RS Rose only)
- For additional finish options not listed, contact Sales Department for MOQ and lead times*

# X SERIES ROSE OPTIONS

## Heavy Duty Series



### DESIGNER LEVERS

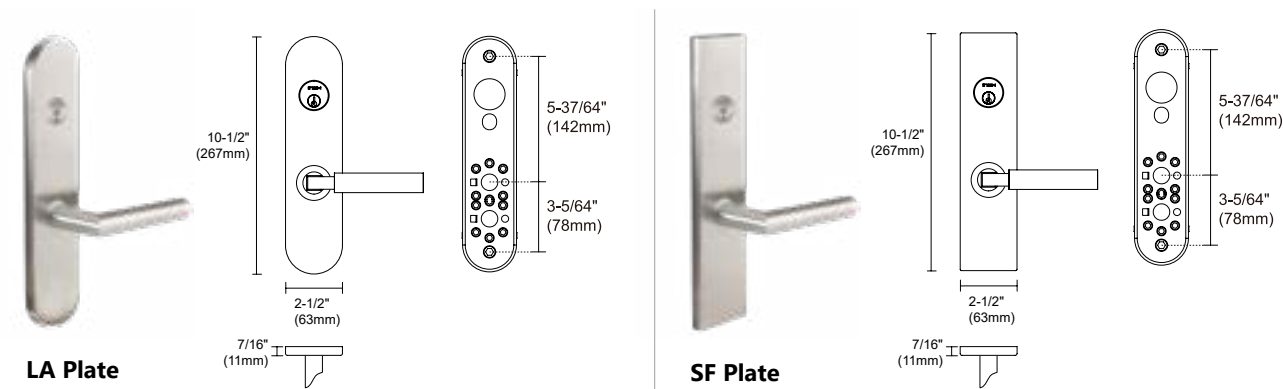


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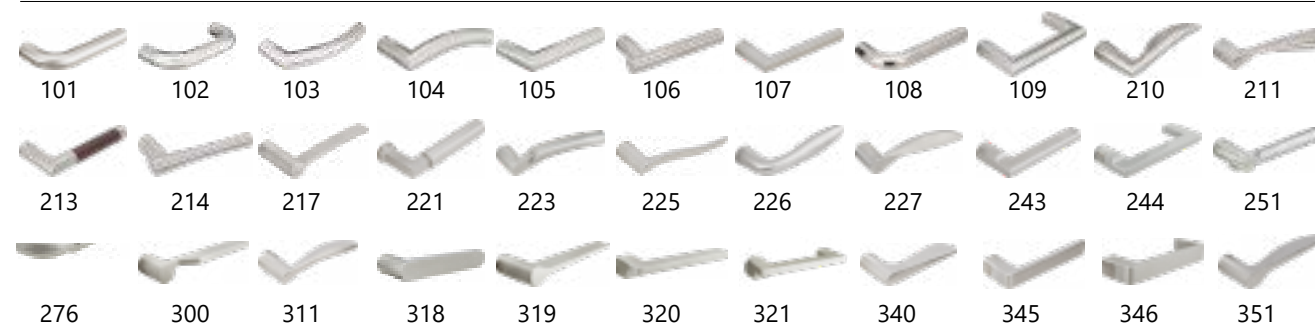


# LA/SF PLATE OPTIONS

Residential Series



## LA/SF DESIGNER LEVERS



380

## FINISH



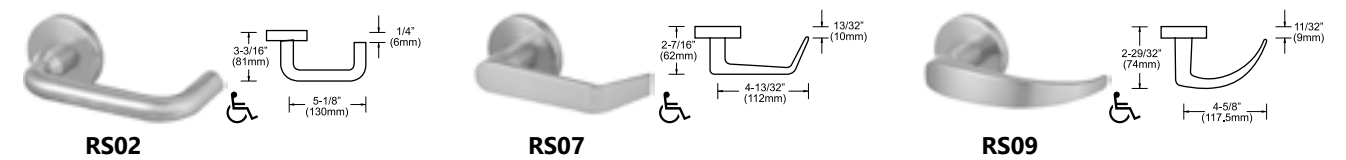
# RS SERIES

Commercial Series



RS Rose

## RS SERIES LEVER OPTIONS

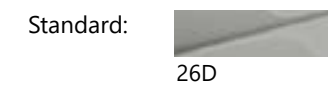


RS02

RS07

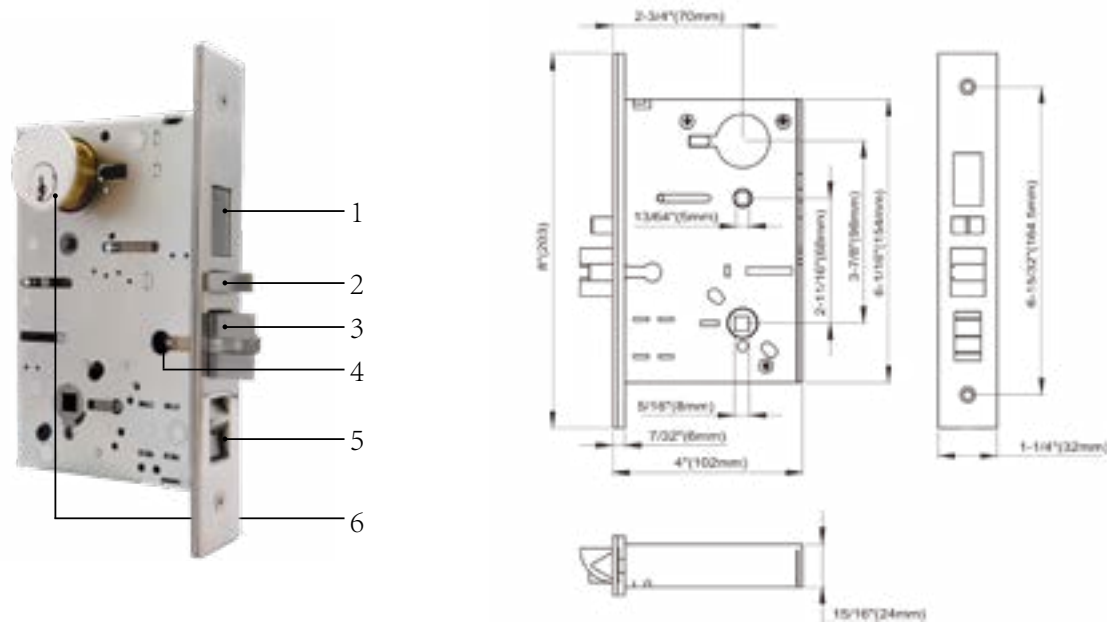
RS09

## FINISH



# MORTISE LOCKCASE

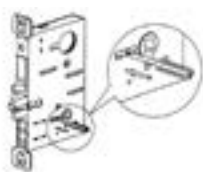
## MC7000 Dimensions



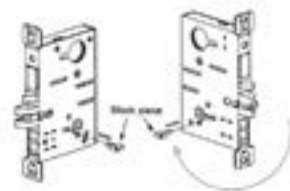
1. 1" throw, heavy duty stainless steel deadbolt
2. Auxiliary latch deadlocks latch bolt when door is closed, providing extra security
3. Guarded, two-piece stainless steel 3/4" latch bolt projection with mechanical anti-friction tongue
4. Field reversible: latch direction can be easily reversed without 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

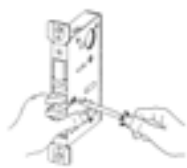


Remove catch screw on the chassis facing the outside and push out the block piece.



Reinsert the block piece on the opposite side and use the fixing screw to fasten the block into place.

#### Change Latchbolt Handing

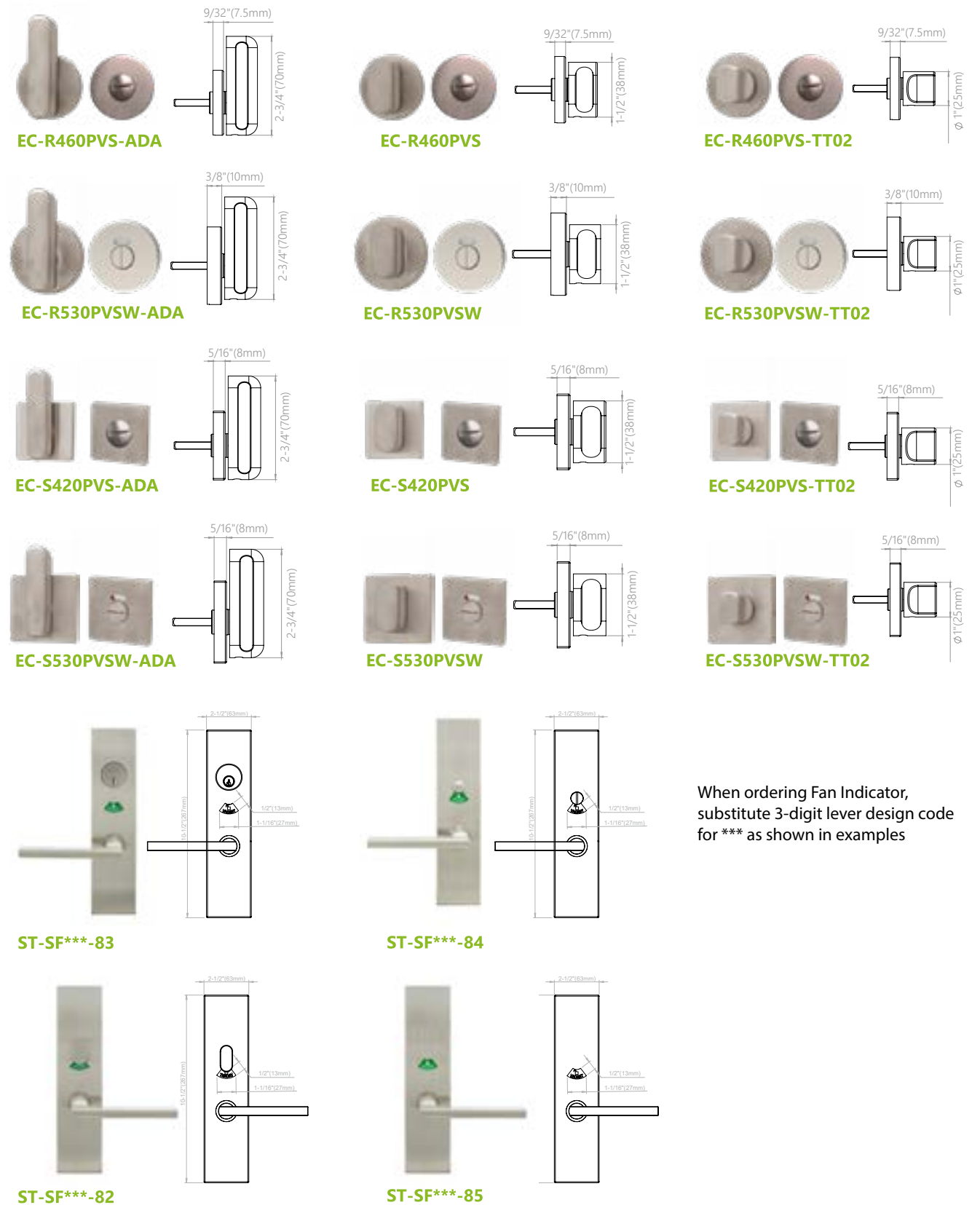


Remove fixing screw and pull latchbolt out from the lock case.



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

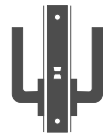
### THUMBTURN AND RELEASE OPTIONS



When ordering Fan Indicator, substitute 3-digit lever design code for \*\*\* as shown in examples

## 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



#### **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



#### **MC7096 (ANSI: F22)** **Privacy with Coin Turn Indicator**

- 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
- When outside lever is locked, indicator message is displayed
- Inside lever is always free for immediate egress



#### **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



#### **MC7440EU** **Privacy with Deadbolt and Coin Turn Electrically Unlocked (Fail Secure)**

- Outside lever continuously unlocked by 12V/24V DC
- Latchbolt operated by lever from either side
- Switch or power failure keeps outside lever/knob locked
- Deadbolt operated by inside thumbturn or outside emergency release coin turn
- 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

### Non-Keyed Locks



#### **MC7025 (ANSI: F31)** **Exit/Communicating**

- Latchbolt operated by inside lever
- Blank trim or no outside trim
- Auxiliary latch deadlocks latchbolt when door is closed



#### **MC0170** **Half Dummy without Lockcase**

- Used as pull or matching trim on pairs of doors



#### **MC7175** **Half Dummy with Lockcase**

- Used as pull or matching trim on pairs of doors



#### **MC0172** **Full Dummy without Lockcase**

- Used as pull or matching trim on pairs of doors



#### **MC7176** **Full Dummy with Lockcase**

- Used as pull or matching trim on pairs of doors

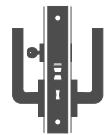
## FUNCTIONS

### Single Cylinder Non-Deadbolt



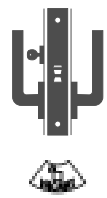
#### MC7050 (ANSI: F04) Office and Inner Entry

- 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
- *Optional Indicator window: When outside lever is locked, indicator message is displayed*



#### 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



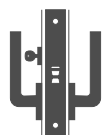
#### MC7070 (ANSI: F05) Classroom

- 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
- *Optional Indicator window: When outside lever is locked, indicator message is displayed*



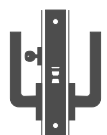
#### MC7080 (ANSI: F07) Storeroom

- Latchbolt operated by key outside or by operating inside lever
- Outside lever is always inoperative
- Auxiliary latch deadlocks latchbolt when door is closed
- Inside lever is always free for immediate egress



#### MC7080EL Storeroom Electrically Locked (Fail Safe)

- Outside lever continuously locked by 12V/24V DC
- Latchbolt retracted by key outside or lever inside
- Switch or power failure allows outside lever to retract latchbolt
- Auxiliary latch deadlocks latchbolt when door is closed
- Inside lever is always free for emergency egress



#### MC7080EU Storeroom Electrically Unlocked (Fail Secure)

- Outside lever unlocked by 12V/24V DC
- Latchbolt retracted by key outside or lever inside
- Auxiliary latch deadlocks latchbolt when door is closed
- Inside lever always free for emergency egress

## FUNCTIONS

### Single Cylinder Deadbolt



#### MC7453 (ANSI: F20) Entrance with Toggle

- Latchbolt operated by lever from either side, except when outside lever is made inoperative by toggle
- 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
- *Optional Indicator window: When outside lever is locked, indicator message is displayed*



#### MC7438EL Entrance without Toggle Electrically Locked (Fail Safe)

- Outside lever continuously locked by 12V/24V DC
- Latchbolt retracted by key outside or lever inside
- Switch or power failure allows outside lever to retract latchbolt
- Auxiliary latch deadlocks latchbolt when door is closed. Inside lever always free for immediate exit
- Inside lever is always free for emergency egress



#### MC7438EU Entrance without Toggle Electrically Unlocked (Fail Secure)

- Outside lever continuously unlocked by 12V/24V DC
- Latchbolt operated by key outside or lever inside
- Switch or power failure keeps outside lever locked
- Auxiliary latch deadlocks latchbolt when door is closed

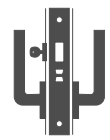


#### MC7456 (ANSI: F13) Dormitory/Exit/Corridor

- Latchbolt operated by lever from either side
- Deadbolt projected by key from outside and thumbturn from inside
- Throwing deadbolt locks outside lever
- Operating inside lever retracts both bolts and unlocks outside lever
- Inside lever is always free for emergency egress

## FUNCTIONS

### Single Cylinder Deadbolt



#### MC7465

##### Closet/Storeroom

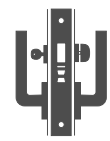
- Latchbolt retracted by lever from either side
- Deadbolt projected or retracted by key outside



#### MC7473 (ANSI: F21)

##### Dormitory with Deadbolt

- Latchbolt operated by lever from either side
- Deadbolt operated by key outside or thumbturn inside



#### MC7480

##### Storeroom Lock with Deadbolt

- Latchbolt retracted by key outside or by inside lever
- Outside lever always fixed
- Deadbolt operated by key outside or thumbturn inside. Turning inside lever simultaneously retracts both deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is closed
- Inside lever is always free for emergency egress



#### MC7485 (ANSI: F15)

##### Entrance/Hotel/Restroom Lock

- Latchbolt retracted by key outside or by lever inside
- Outside lever always fixed
- Deadbolt operated by inside thumbturn
- When deadbolt is thrown, all keys become inoperative except emergency or display keys
- Turning inside lever retracts both deadbolt and latchbolt simultaneously
- Auxiliary latch deadlocks latchbolt when door is closed
- Inside lever is always free for emergency egress



#### MC7496 (ANSI: F15)

##### Privacy with Deadbolt and Indicator

- Latchbolt operated by lever from either side except when outside lever is locked by inside thumbturn
- When outside lever is locked, indicator window changes
- When deadbolt is thrown, all keys become inoperative except emergency key
- Inside lever is always free for emergency egress

## FUNCTIONS

### Double Cylinder Non-Deadbolt



#### MC7060 (ANSI: F09)

##### Apartment Entrance / Public Restroom

- Latchbolt operated by lever from either side, except when outside lever is locked by key from inside
- When outside lever is locked, latchbolt is retracted by key from outside or by operating inside lever
- Auxiliary latch deadlocks latchbolt when door is closed
- Inside lever is always free for immediate egress



#### MC7071 (ANSI: F32)

##### Classroom Security Intruder Latchbolt

- Latchbolt retracted by key from either side unless outside is locked by key from either side
- When locked, latchbolt retracted by key outside or lever inside
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever is always free for emergency egress



#### MC7082 (ANSI: F30)

##### Asylum/Institution Lock

- Latchbolt operated by key from either side
- Both levers always inoperative
- Auxiliary latch deadlocks latchbolt when door is closed



#### MC7082EL

##### Institution Electrically Locked (Fail Safe)

- Outside and inside lever continually locked electrically
- Latchbolt retracted by key either side
- Switch or power failure allows outside and inside lever to retract latchbolt
- Auxiliary latch deadlocks latchbolt when door is closed



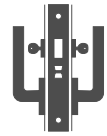
#### MC7082EU

##### Institution Electrically Unlocked (Fail Secure)

- Outside and inside lever unlocked electrically
- Latchbolt retracted by key either side
- Switch or power failure keeps inside and outside lever locked
- Auxiliary latch deadlocks latchbolt when door is closed

## FUNCTIONS

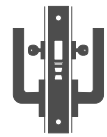
### Double Cylinder Deadbolt



#### MC7457 (ANSI: F33)

##### Classroom Security Lock

- Latchbolt operated by lever from either side
- Deadbolt retracted by key from either side
- Throwing deadbolt locks outside lever
- Operating inside lever retracts both bolts and unlocks outside lever
- Inside is always free for immediate egress



#### MC7458 (ANSI: F33)

##### Classroom Security Lock with Auxiliary

- Latchbolt operated by lever from either side
- Deadbolt retracted by key from either side
- Throwing deadbolt locks outside lever
- Operating inside lever retracts both bolts and unlocks outside lever
- Auxiliary latch deadlocks latchbolt when door is closed
- Inside is always free for immediate egress



#### MC7466 (ANSI: F14)

##### Store Door Lock

- Latchbolt operated by lever from either side
- Deadbolt operated by key from either side



#### MC7482

##### Institution Lock with Deadbolt

- Latchbolt operated by key from either side
- Lever on both sides always inoperative
- Deadbolt retracted by key either side
- Auxiliary latch deadlocks latchbolt when door is closed

## FUNCTIONS

### Full Mortise Deadlocks



#### MC7460 (ANSI: F17)

##### DeadLock - Cylinder & Thumbturn

- Deadbolt operated by key outside and by thumbturn inside



#### MC7462 (ANSI: F16)

##### DeadLock - Double Cylinder

- Deadbolt operated by key on either side



#### MC7463 (ANSI: F29)

##### Deadlock - Classroom

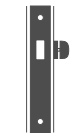
- Deadbolt operated by key outside
- Turn inside retracts but does not project deadbolt



#### MC7464 (ANSI: F18)

##### Deadlock - Single Cylinder

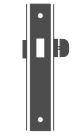
- Deadbolt operated by key on outside only
- No trim on opposite side



#### MC7445

##### Deadlock - Thumbturn Only

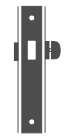
- Deadlock operated by thumbturn only



#### MC7447

##### Deadlock - Thumbturn x Coin Turn Release

- Deadbolt operated by thumbturn inside or coin turn outside



#### MC7446

##### Deadlock - Thumbturn x Coin Turn Release & Indicator

- Deadbolt operated by thumbturn inside or coin turn with indicator outside

## HEAVY DUTY ELECTRIFIED MC7000 MORTISE LOCKS

ANSI/BHMA Grade 1



### SPECIFICATIONS

<b>Door Thickness</b>	1-3/4" (44mm) Standard Thick Door Kits available
<b>Backset</b>	2-3/4" (70mm)
<b>Handing</b>	Specify handing from the outside
<b>Lever Spindle</b>	8mm x 8mm square
<b>Thumbturn Spindle</b>	5mm x 5mm square
<b>Center to Center</b>	Lever to Cylinder: 3-7/8" (98mm) Lever to Thumbturn: 2-11/16" (68mm)
<b>Cylinder</b>	Schlage C keyway 6 pin mortise cylinder with 2 keys standard. Optional keyways, keying services, and IC cores available
<b>Function</b>	EL (Fail Safe) - Electrically Locked EU (Fail Secure) - Electrically Unlocked
<b>Voltage</b>	12V DC or 24V DC
<b>Current</b>	0.3A at 24V DC 0.6A at 12V DC
<b>Temperature</b>	32°F to +120°F

### FEATURES

- Electrified mortise locks allow remote keyless access and control for heavy use applications where security and safety are critical.
- MC7000 electrified mortise locks use continuous duty solenoids for cooler operation.
- Can be used by keypad access controls, access card readers, security consoles, automatic time devices and computerized controls.

### 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
- Electrification: ANSI/UL634, ANSI/UL294, ANSI/UL10C

Description	Item No.
SERVICE CODE: Electrification of Mortise Lock, Fail Safe 12V Voltage	<b>SV-MC-EL12V</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Safe 24V Voltage	<b>SV-MC-EL24V</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Secure 12V Voltage	<b>SV-MC-EU12V</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Secure 24V Voltage	<b>SV-MC-EU24V</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Safe 12V Voltage with REX Switch	<b>SV-MC-EL12V-REX</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Safe 24V Voltage with REX Switch	<b>SV-MC-EL24V-REX</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Secure 12V Voltage with REX Switch	<b>SV-MC-EU12V-REX</b>
SERVICE CODE: Electrification of Mortise Lock, Fail Secure 24V Voltage with REX Switch	<b>SV-MC-EU24V-REX</b>

Add service code and upcharge price as a separate line item to order electrified locking (EL) locks. In case of power outage, EL locks are Fail Safe and EU locks are Fail Secure.

## ISK SERIES SMART BLE ACCESS CONTROL UNIT

via Smart Phone, BLE/WIFI Gateway, Passcode or RFID Fob/Card



### SPECIFICATIONS

<b>Keypad</b>	Touchscreen
<b>Voltage</b>	DC12~24V
<b>Relay Load</b>	<=2A
<b>RF Reader Distance</b>	1" to 4"
<b>Working Temperature</b>	-20°F to +140°F
<b>Working Humidity</b>	0% to 98%

### FEATURES

- Smart control unit with BLE and RFID authentication capabilities
- Can be managed by INOX SMART APP and easily integrated for iOS and Android, supporting multi-level user roles and permissions with audit trail
- Extended access control device directly connects to any electrified locking mechanism, such as electrified locks, strikes, and exit devices
- Modern touchscreen keypad
- Supports remote access with BLE/WIFI Gateway
- Supports 13.56 MHz Mifare RFID fob/card
- Protective metal casing
- Water resistant IP66

### DIMENSIONS



ISK-B300

### STANDARD FINISHES

- AL Aluminum
- BK Graphite Black

## POWER SUPPLY INX-ELPS5-4 4-Output Hardware Power Supply



### SPECIFICATION

<b>Input Voltage</b>	120 VAC, 60 Hz Input Fuse: 2 Amp Fuse @250 VAC
<b>Output Voltage</b>	4A @ 24V DC 4 Solid State I/Os 1.5A auto-resetting fused outputs Over-voltage protection Output voltage trim pot
<b>Battery Backup</b>	Regulated, independent battery charging with automatic uninterrupted backup circuit. Battery cables included and requires 2 12V DC 7 AH batteries (not included)
<b>Fire Alarm</b>	Includes Fire Alarm link
<b>LED Indicators</b>	Red (AC Power), Green (DC Output), Orange (Battery output)
<b>Product Weight</b>	14 lbs
<b>Shipping Weight</b>	15 lbs
<b>Dimensions</b>	13" W x 15.5" H x 5" D
<b>Electrical</b>	Temperature range 32° to 120° F Maximum humidity 85%

### APPLICATION AND FEATURES

- Delivers 4 AMPS @24V DC to up to 4 PTC fused outputs: locks, exit trim, and LP motor / solenoid kits
- Robust solid state outputs to protect system relays from surges, grounds, or shorts
- Interruption-free battery backup
- Ample in-rush/hold current for latch retraction
- Door-mounted LED power indicator
- Easy to remove Euro connectors
- Linear design makes it a perfect match for motor or solenoid driven exit devices, electric locks and strikes

### CODE COMPLIANCE

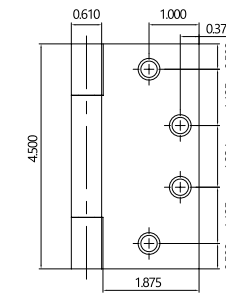


UL 294 Listed

### STANDARD FINISHES

- AL Aluminum Painted

## POWER TRANSFER MORTISE HINGES HG8112-ETH Standard Weight, 3 Knuckle, Concealed Bearing



4-1/2"(114mm) x 4-1/2"(114mm)

### FEATURES

- INOX HG8112-ETH power transfer hinge is an ideal way to transfer low voltage from the hinge jamb to the lockset without exposed wires.
- The hinge is most commonly used for electrical mortise and cylindrical locks, electric strikes, electric exit devices, and door mounted card readers.

### CODE COMPLIANCE



- ANSI/BHMA A156.1 Type A8112
- ANSI/UL10B and UL10C Fire Rated up to 3 Hours
- Meets USA Federal Spec. #FF-H-116C
- C-UBC California Uniform Builders Code-2001
- NFPA80 - National Fire Protection Association -1999
- NFPA101 - National Fire Protection-Life Safety - 2000

### STANDARD FINISHES

- 26D Satin Chrome
- 19G Graphite Black

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

# MS500 MORTISE DEADBOLT

ANSI/BHMA Grade 1



## SPECIFICATIONS

<b>Door Thickness</b>	1-3/4" (44mm) standard Thick Door Kits available
<b>Backset</b>	2-3/4" (70mm)
<b>Handing</b>	Non-Handed
<b>Thumbturn Spindle</b>	5mm x 5mm square
<b>Faceplate</b>	5-9/16" x 1-7/32" (141.3mm x 31mm)
<b>Strike</b>	3-1/2" x 1-1/8" (89mm x 29mm)
<b>Deadbolt</b>	1" (25mm) throw, stainless steel
<b>Cylinder</b>	Schlage C keyway 6 pin mortise cylinder with 2 keys standard. Optional keyways, keying services, and IC cores available
<b>UL</b>	UL and UL 10C for 3 hour fire door

## FEATURES

- The MS500 is constructed with heavy duty stainless steel components and a lock body that meets Grade 1 standards.
- The tough, strong spring chassis and concealed bolt-thru fixing make this a great choice with surface pulls and other trim.

## CODE COMPLIANCE



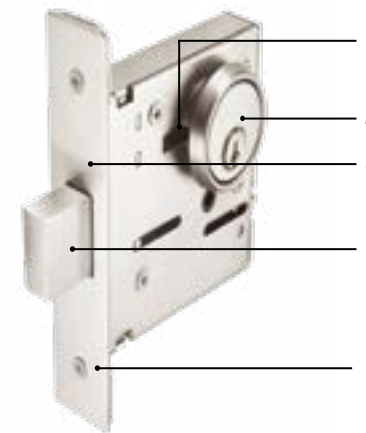
- ANSI/BHMA A156.36 Grade 1 Mortise Deadbolt
- UL Listed for ANSI/UL10B and UL10C, CAN/ULC S104 up to 3 Hours
- UBC Standard 7-2 (1997) NFPA 252
- NFPA 80 National Fire Protection - Fire Door Assembly
- NFPA101 National Fire Protection - Life Safety
- ANSI/BHMA A156.18 Finishes
- ANSI A117.1 ADA Accessibility

## STANDARD FINISHES

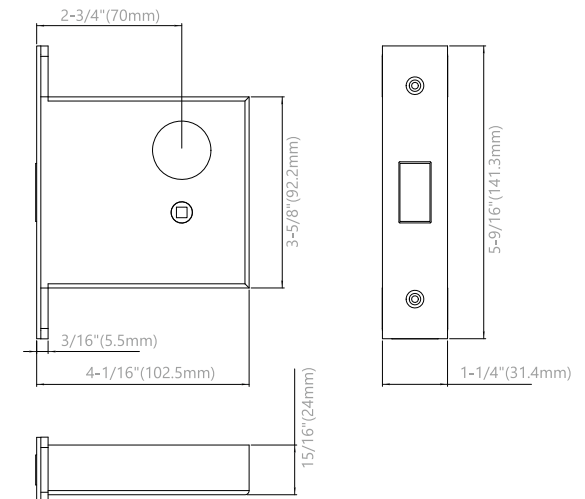
- 32D Satin Stainless Steel
  - 10B Oil Rubbed Bronze
- For additional finish options not listed, contact Sales Department for MOQ and lead times*

# MORTISE DEADLOCK LOCKCASE

MS500



1. Strengthened steel alloy cylinder retainer
2. 6-pin solid brass mortise cylinder
3. Armor front faceplate in stainless steel
4. 1" throw, heavy duty stainless steel deadbolt
5. Wrought steel corrosion protected lock case



## SURFACE PULLS



PHIX31108



PHIX330.512.8



PHIX41714



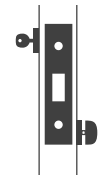
PHIX45714



PHIX30108

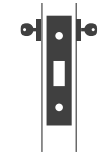
# FUNCTIONS

## Full Mortise Deadlocks



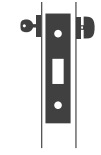
**MS560 (ANSI: E06071)**  
**Cylinder x Thumbturn Lock**

- Deadbolt thrown or retracted by key outside or thumbturn inside



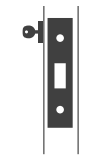
**MS562 (ANSI: E06061)**  
**Double Cylinder Lock**

- Deadbolt operated by key from either side



**MS563 (ANSI: E06091)**  
**Classroom Lock**

- Deadbolt thrown or retracted by key from outside
- Inside thumbturn retracts deadbolt but cannot project it



**MS564 (ANSI: E06081)**  
**Cylinder Lock**

- Deadbolt thrown or retracted by key from one side
- No trim on opposite side



**MS545**  
**DoorBolt**

- Deadbolt thrown or retracted by thumbturn from one side
- No trim on opposite side



**MS547**  
**DoorBolt with Thumbturn release**

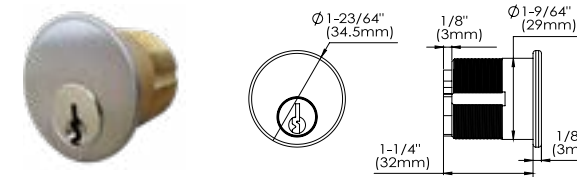
- Deadbolt thrown or retracted by thumbturn inside or release outside



**MS546**  
**Doorbolt with Thumbturn release and Indicator**

- Deadbolt thrown or retracted by thumbturn inside or release outside
- When deadbolt is thrown "OCCUPIED" indicator is displayed

## MORTISE CYLINDERS AND KEYS



Schlage C Keyway, 6 Pin, with Clover Cam, 2 Keys  
Standard Keyed Different (KD)  
Other Keying Services available  
Other sizes or keyway cylinders available. Order separately

Illustration	Item Code	Description	Size	ANSI
<i>Mortise Cylinders</i>				
	<b>CMB105</b>	Mortise Cylinder, Schlage C Keyway, 5 pin, L Cam	1"	E09211
	<b>CMB1186</b>	Mortise Cylinder, Schlage C Keyway, 6 pin, L Cam	1-1/8"	E09211
	<b>CMB1146</b>	Mortise Cylinder, Schlage C Keyway, 6 pin, L Cam	1-1/4"	E09211
	<b>CMB1386</b>	Mortise Cylinder, Schlage C Keyway, 6 pin, L Cam	1-3/8"	E09211
	<b>CMB1126</b>	Mortise Cylinder, Schlage C Keyway, 6 pin, L Cam	1-1/2"	E09211
	<b>CMB1346</b>	Mortise Cylinder, Schlage C Keyway, 6 pin, L Cam	1-3/4"	E09211
<i>Dummy Cylinders</i>				
	<b>CMB1140DM*</b>	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
	<b>CMB1146-ICBA-HUS</b>	SFIC Mortise Cylinder Housing, 6 Pin	1-1/4"	E09241
	<b>CMB1386-ICBA-HUS</b>	SFIC Mortise Cylinder Housing, 6 Pin	1-3/8"	E09241
	<b>CMB1126-ICBA-HUS</b>	SFIC Mortise Cylinder Housing, 6 Pin	1-1/2"	E09241
	<b>CMB1586-ICBA-HUS</b>	SFIC Mortise Cylinder Housing, 6 Pin	1-5/8"	E09241
	<b>CMB1387-ICBA-HUS</b>	SFIC Mortise Cylinder Housing, 7 Pin	1-3/8"	E09241
	<b>CMB1127-ICBA-HUS</b>	SFIC Mortise Cylinder Housing, 7 Pin	1-1/2"	E09241
	<b>CMB1587-ICBA-HUS</b>	SFIC Mortise Cylinder Housing, 7 Pin	1-5/8"	E09241
	<b>CMB1126-LFIC-HUS</b>	LFIC Mortise Cylinder Housing, 6 Pin	1-1/2"	E09241

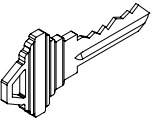
## INTERCHANGEABLE CORES ONLY

Solid brass plug and housing / Small Format (SFIC) Core in Best A Keyway  
2 Change keys per Combined 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 Combined Core

Illustration	Item Code	Description	ANSI
	<b>CMB-ICBA6-CST</b>	SFIC Core Only, Best A Keyway, 6 Pin, Construction	E09251
	<b>CMB-ICBA6-CMB</b>	SFIC Core Only, Best A Keyway, 6 Pin, Combined	E09251
	<b>CMB-ICBA7-CMB</b>	SFIC Core Only, Best A Keyway, 7 Pin, Combined	E09251
	<b>CMB-LFIC-SC6-CMB</b>	LFIC Core Only, Schlage C Keyway, 6 Pin, Combined	E09251

KEYS

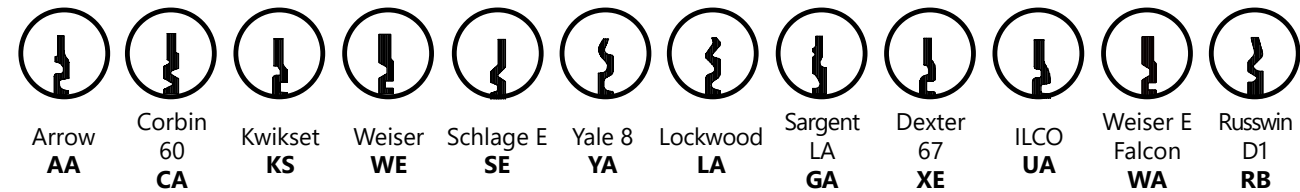
Illustration	Item Code	Description
	<b>LSK-6SC-NP</b>	Standard key Schlage C Keyway for 6 Pin, Nickel Plated
	<b>LSK01-6SC-NS-DND</b>	DND Nickel Silver Key, Schlage C Keyway for 6 Pin, w/"Do Not Duplicate"
	<b>LSK06-BA-CRK</b>	Extra Control Key for IC Core, Best A Keyway
	<b>LSK06-BA-MK</b>	Extra Master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

KEYWAY

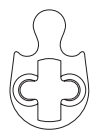


**Standard: SC**  
Schlage C Keyway.  
Other Keyways available by special order.

Other Keyway Options:



CAM



**Clover Cam CAM01-SCL**  
MC Series Lockset uses classic Clover CAM which is compatible with Schlage® L9000 series.

Other Cams Options\*:



Straight (1)      Adams Rite (2)      Yale (6)      Clover Corbin/Russwin Best (19)

\*MC7000 Mortise Locks ONLY work with L Clover cam. Other cams can be ordered for cylinders used for other locking devices.

KEYING SERVICES

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

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

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

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	Cylinder	Finish	Handing
<b>XGT</b> 1	<b>243</b> 2	<b>MC70</b> 3	<b>50</b> 4	<b>5</b>	<b>-32D</b> 6	<b>-LH</b> 7

ROSE	LEVER	LOCK	CYLINDER AND HOUSING	FUNCTION
XGT XGS XRA XSE	201 202 205 221 243 244 276 318 319 320 321 345 346	70 No deadbolt 71 Dummy trim 74 With deadbolt	Blank CMB1146-FINISH-KD SFIC6 CMB1146-ICBA-HUS-FINISH SFIC7 CMB1387-ICBA-HUS-FINISH LFIC6 CMB1126-LFIC-HUS-FINISH (Order IC Cores separately)	10 Passage 40 Privacy 53 Entry with Toggle 50 Entry 38 Entry w/o Toggle 80 Storeroom 70 Classroom 96 Privacy with Deadbolt and Indicator MDP Mortise Dummy Pair

6 FINISH



\*PVD4 is available for 243, 276 and 321 lever designs. For custom finish requests, please contact Sales.

7 HANDING

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

HOW TO ORDER STOCKED MC7000 SERIES MORTISE LOCKS WITH LA/SF PLATE

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

Rose	Lever	Lock	Function	Cylinder	Indicator	Finish	Handing
<b>LA</b> 1	<b>243</b> 2	<b>MC70</b> 3	<b>50</b> 4	<b>5</b>	<b>6</b>	<b>-32D</b> 7	<b>-LH</b> 8

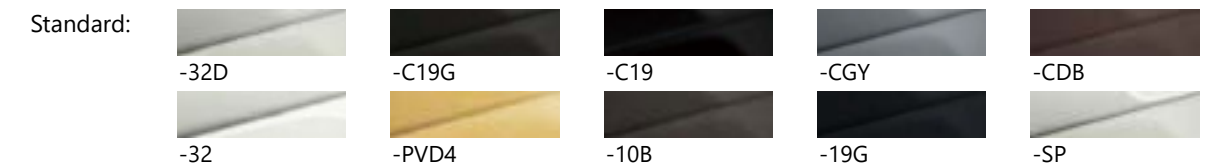
  

ROSE	LEVER	LOCK	FUNCTION	CYLINDER AND HOUSING
LA SF	101 102 103 104 105 106 107 108 109 210 211 213 214 217 221 223 225 226 227 243 244 251 276 300 311 318 319 320 321 344 345 346 351 380	70 No Deadbolt 71 Dummy Trim 74 With Deadbolt	10 Passage 40 Privacy 53 Entry with Toggle 50 Inner Entry 38 Entry w/o Toggle 80 Storeroom 70 Classroom MDP Mortise Dummy Pair	Blank CMB1146-FINISH-KD SFIC6 CMB1146-ICBA-HUS-FINISH SFIC7 CMB1387-ICBA-HUS-FINISH LFIC6 CMB1126-LFIC-HUS-FINISH (Order IC Cores separately)

6 INDICATOR

Blank = Without Indicator  
-SW = Single Window  
-DW = Dual Window

7 FINISH



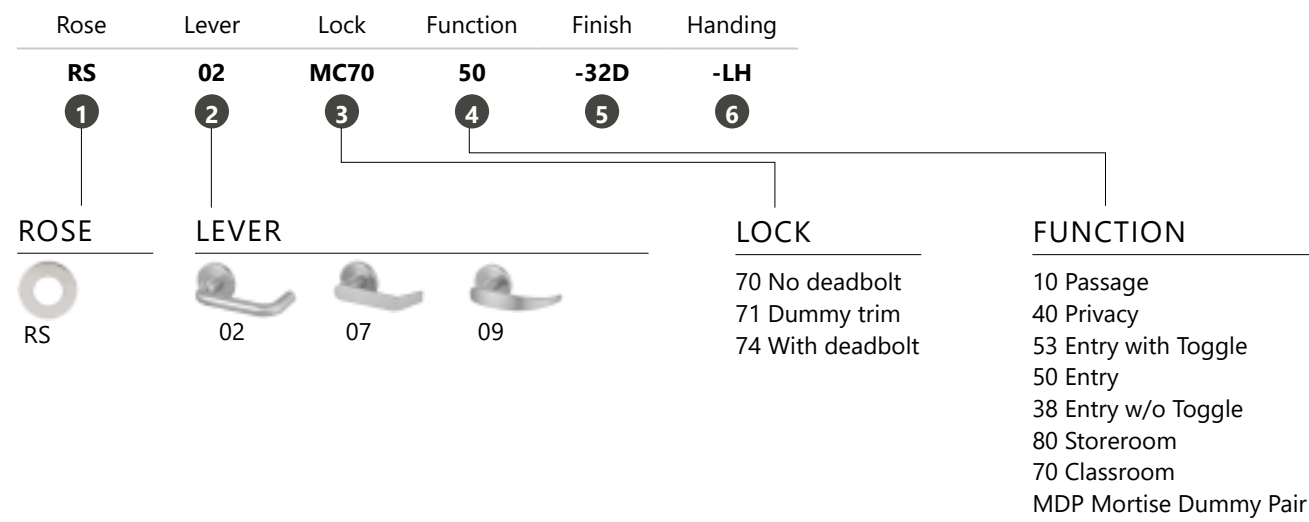
\*Not all finishes available as standard with every lever.

8 HANDING

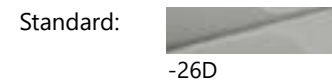
-RH = Right Hand    -LH = Left Hand    -RHR = Right Hand Reverse    -LHR = Left Hand Reverse

HOW TO ORDER STOCKED MC7000 SERIES MORTISE LOCKS WITH RS ROSES

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



5 FINISH

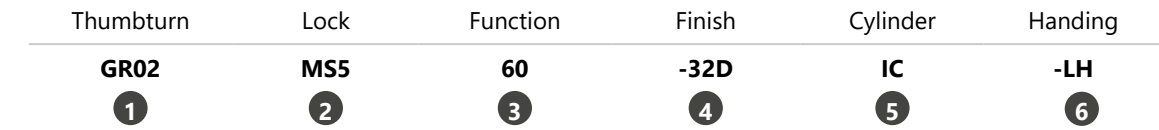


6 HANDING

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

HOW TO ORDER MS500 SERIES SMALL MORTISE DEADBOLT

See sequence below to order Mortise Deadbolt. Stocked item have shorter lead times.



1 THUMBTURN OPTIONS

GR02= TT02 Thumbturn  
GR04 = TT04 Thumbturn  
GR07 = TT07 Thumbturn

2 LOCK

MS5 - Mortise Deadbolt Lockcase

3 FUNCTION

60 = Cylinder and Thumbturn (ANSI E07071)  
62 = Double Cylinder (ANSI E06061)  
63 = Classroom (ANSI E06091)  
64 = Single Cylinder (ANSI E06081)  
45 = Thumbturn Only  
47 = Thumbturn X Coin=Turn Release  
46 = Thumbturn Release with Indicator

4 FINISH

-32D = Satin Stainless Steel  
-10B = Oil Rubbed Bronze

5 CYLINDER AND HOUSING

Blank CMB1146-FINISH-KD  
SFIC6 CMB1146-ICBA-HUS-FINISH  
SFIC7 CMB1387-ICBA-HUS-FINISH  
LFIC6 CMB1126-LFIC-HUS-FINISH  
(Order IC Cores separately)

\* All non-standard cylinder or other keyway cylinders available by special order.  
\*\* All IC Cores such as Construction or Combined Cores must be ordered separately.

6 HANDING

**Specify door handing:**  
-LH = Left Hand  
-RH = Right Hand  
-LHR = Left Hand Reverse  
-RHR = Right Hand Reverse

HOW TO SPECIFY INOX TRIM FOR THIRD PARTY LOCKS

To order trim with third party mortise locksets with a non-standard specification, please describe the additional requirements in the sequence as seen below:

Trim	Vendor	Rose	Lever	Collar	Thumbturn	Finish	Function	Cylinder	Handing
<b>TM</b>	<b>VDA</b>	<b>XRA</b>	<b>221</b>	<b>GR</b>	<b>TT04</b>	<b>-32D</b>	<b>F20</b>	<b>CMB1146</b>	<b>-LH</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>

**1 TRIM**

Use TM- when pairing INOX trim designs with third party mortise configuration.

**2 THIRD PARTY MORTISE VENDOR CODE**

**Hotel/Hospitality Card Reader Lock**

- STO - Salto AElements
- SQP - Saflok Quantum Pixel
- SQM - Saflok Quantum IV
- VDA - Vingcard DA Mortise (Essence / Signature / Allure)
- VDB - Vingcard DB Mortise (Essence / Signature / Allure)

**Commercial Mortise Lock**

- SCH - Schlage
- DOR - DormaKaba
- SAR - Sargent

**3 ROSE**

**Specify the design class:**

- X Series: XRA, XSE, XGT, XGS
- \*Custom Design class also available

**4 LEVER DESIGN**

**Specify the design lever:**

- X Series: 201, 202, 205, 221, 243, 244, 276, 318, 319, 320, 345, 346

**5 COLLAR**

**Specify the collar class:**

- X Series: GT, GS, GR, SR

**6 THUMBTURN**

**Specify the thumbturn:**

- X Series: TT07 ADA thumbturn
- X Series: TT04 Standard thumbturn
- X Series: TT02 Short profile thumbturn

**7 FINISH**

- X Series: -32D Satin Stainless Steel
- X Series: -32 Bright Stainless Steel

**8 FUNCTION**

**Specify third party mortise lock function:**

- F01 - Passage
- F22 - Privacy Lock
- F19 - Privacy with Deadbolt
- F31 - Exit / Communicating
- F04 - Office and Inner Entry
- F05 - Classroom
- F20 - Entrance with Toggle
- F13 - Dormitory / Exit Corridor
- F21 - Dormitory with Deadbolt
- F15 - Entrance / Hotel / Restroom Lock
- F09 - Apartment Entrance, Public Toilet
- F32 - Classroom Security Intruder Latchbolt
- F30 - Asylum/ Institution Lock
- F33 - Classroom Security Lock

**9 CYLINDERS, CORES, & HOUSING**

**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 Combined 6-pin : CMB-ICBA6-CMB
- SFIC Core Construction 6-pin : CMB-ICBA6-CST
- SFIC Core Combined 7-pin : CMB-ICBA7-CST
- LFIC Core Combined 6-pin : CMB-LFIC-SC6-CMB

**10 HANDING**

**Specify door handing:**

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

**INOX MC7000 Mortise Lock CROSS REFERENCES**

ANSI No. Grade 1	Function	INOX®	Schlage	Dorma	Hager	Cal Royal	Sargent	Yale
F01	Passage Latch	MC7010	L9010	ML9010	3810	8010	7915	8801
F22	Privacy Lock	MC7040	LV9040	ML9040	3840	-	7965	8862
-	Privacy w/Coin Turn	MC7044	LV9044	-	3844	-	-	-
F19	Privacy w/Deadbolt	MC7440	LV9440	ML9940	-	8040	7966	8802
-	Privacy w/Deadbolt and Coin Turn	MC7444	LV9444	-	-	-	-	-
F31	Exit/Communicating	MC7025	L9080	ML9025	-	-	-	8828
-	Half Dummy Trim w/out Lock Case	MC0170	L0170	ML9001	3817	8170	7993	855FL
-	Full Dummy Trim w/out Lock Case	MC0172	L0172	ML9002	3827	8172	7994	838BFL
-	Half Dummy Trim w/Lock Case	MC7175	L9175	ML9003	-	-	-	-
-	Full Dummy Trim w/Lock Case	MC7176	L9176	ML9004	-	-	-	838AFL
F04	Office and Inner Entry	MC7050	LV9050	ML9050	3850	8050	7955	8807
F05	Classroom	MC7070	LV9070	ML9070	3870	8070	7937	8808
F07	Storeroom	MC7080	LV9080	ML9080	3880	8080	7904	8805
F20	Entrance w/Toggle	MC7453	LV9453	ML9953	3853	8453	7943	8847
-	Entrance w/out Toggle	MC7438	-	-	-	-	-	-
F13	Dormitory/Exit/Corridor	MC7456	LV9456	ML9956	3856	8456	7925	8822
-	Closet/Storeroom	MC7465	L9465	-	-	8465	-	-
F21	Dormitory w/Deadbolt	MC7473	L9473	ML9973	-	8473	7924	8860
-	Storeroom Lock w/Deadbolt	MC7480	LV9480	ML9958	-	-	-	8840
F15	Entrance/Hotel/Restroom Lock	MC7485	LV9485	ML9985	-	-	7950	8820
F09	Apartment Entrance, Public Toilet	MC7060	LV9060	ML9060	3861	8060	7916	8817-2
F32	Classroom Security Intruder Latchbolt	MC7071	LV9071	ML9071	-	-	7938	8808-2
F30	Asylum/Institution Lock	MC7082	LV9082	ML9082	3882	8082	-	8830-2
F33	Classroom Security Lock	MC7457	LV9457	ML9968	3857	-	-	8811-2
F14	Store Door Lock	MC7466	L9466	ML9966	-	8466	7926	8860-2
-	Institution Lock w/Deadbolt	MC7482	LV9482	-	-	-	-	-
F17	Deadlock - Cylinder and Thumbturn	MC7460	L9460	MB9960	3860	M8460	8221	8815
F16	Deadlock - Double Cylinder	MC7462	L9462	MB9962	3862	M8462	8222	8814-2
F29	Deadlock - Classroom	MC7463	L9463	ML9B9963	3863	M8463	8203	8813ST
F18	Deadlock - Single Cylinder	MC7464	L9464	MB9961	3864	M8464	8220	8814
-	Deadlock - Thumbturn Only	MC7445	-	-	-	M8480	-	-
-	Deadlock - Thumbturn x Coin Turn Release	MC7447	-	-	-	-	-	-
-	Deadlock - Thumbturn x Coin Turn Release w/Indicator	MC7446	-	-	-	-	-	-



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**Unison Hardware, Inc.**

6 Wayne Court, Sacramento, CA 95829, USA Tel: +1.916.388.1888  
Email: [info@unisonhardware.com](mailto:info@unisonhardware.com)