




1M SERIES MORTISE LOCKS



OAK™ Security Group represents strength and stability in providing extensive experience, expertise and appropriate solutions that provide enhanced protection for your facilities. With all of these solutions comes our unparalleled, direct support.

Our unique philosophy is selling direct to you.

The OAK™ team brings a wealth of experience in listening, building relationships and applying appropriate solutions as well as extensive product development and manufacturing experience. These long-term relationships help us understand your needs, and our extensive experience equip us to recommend the most effective products and services. We work directly with our customer to design, implement and support a comprehensive facility solution. Our customized design is based on a foundation of high quality OAK™ locks, industry leading solutions and custom keying systems.

We can customize new systems or seamlessly integrate our solutions into your existing systems, so you need not disrupt what you've carefully built. The results are a "best in class" solution, with a wider range of proven products, all backed by superior service and support.



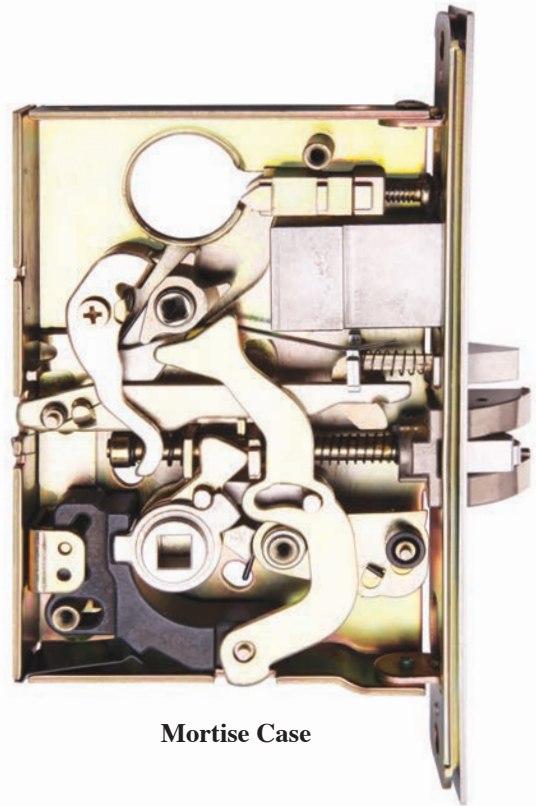
1M Series

TABLE OF CONTENTS

OAK 1M Series	4
Exploded Parts	4
Features	5
Specifications	5
Trim Styles	6
Classroom Security	7
Functions	8-10
How to Order	11
Electrified	11
Dimensions	12
Change Handing	13
Deadbolts	14
Systems Approach	15
Finishes	15

OAK™ 1M Mortise Series

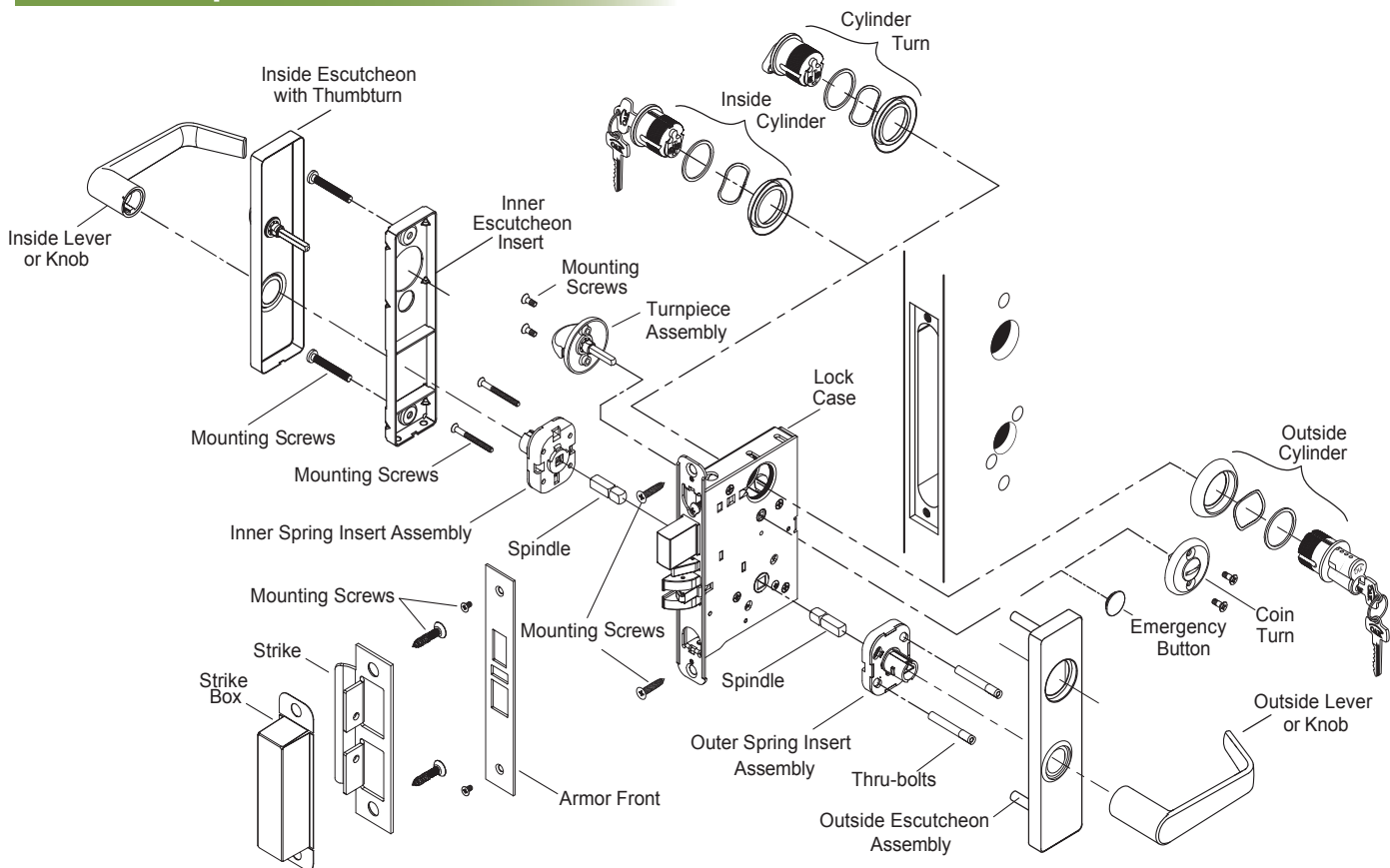
The Oak™ Security Group 1M Series Mortise Lockset has been meticulously designed to surpass the industry's most stringent performance specifications in ANSI A156.13, Grade 1. The 1M series mortise lockset is manufactured using ISO 9001 quality control standards and procedures to assure consistent strength, security, durability and performance needed for today's demanding commercial environment. Whether in a college/university, hospital, K-12 school, government, military, manufacturing, or any other commercial environment, Oak™ Security Group can help you develop the appropriate 1M mortise lock specification to meet your needs, as well as assisting with many other products and masterkeying needs. When you need experienced support, rely on the Oak™ experience.



Mortise Case



Mortise Exploded Parts



Features

- Heavy duty (Grade 1) lock for commercial, industrial and institutional use.
- Levers and knobs are retained by lever/knob keeper similar to that of cylindrical locksets eliminating screw retaining problems.
- Heavy duty independent lever return spring cassettes consistently return levers to horizontal position.
- Field reversible handing.
- Multiple functions, trim styles and finishes available.
- Roses and full plate escutcheons are snap-on.
- Lever by knob combinations are available.
- Uniquely tailored masterkey systems backed by extensive industry experienced system design and support.
- 10 year warranty.



HF2 Trim 

Specifications

Certification	UL listed for 3 Hour Fire Rating. ANSI A156.13 Series 1000 Grade 1 operational.
Door Thickness	1 $\frac{3}{8}$ " to 2 $\frac{1}{2}$ " thick doors.
Case	Case: 4 $\frac{5}{16}$ " x 6" x 1", Face: 1 $\frac{1}{4}$ " x 8" x $\frac{7}{32}$ ", heavy wrought steel case with zinc dichromate finish, field reversible handing, self-adjusting face for beveled doors.
Backset	2 $\frac{3}{4}$ "
Latchbolt	$\frac{3}{4}$ " throw, 2-piece anti-friction design. Optional 1-piece latch design available.
Deadbolt	1" throw, stainless steel.
Strike	1 $\frac{1}{4}$ " x 4 $\frac{7}{8}$ " curved lip, non-handed, standard strike for all functions, supplied with dust box. Custom lip length at $\frac{1}{8}$ " increments available.
Spindles	Designed to break when abused to prevent unlocking or damage to the case.
Trim	Self-aligning through-bolt trim with independent lever return springs, snap-on roses/escutcheons. Roses: (S1) 2 $\frac{7}{16}$ " Diameter, (S2) 3 $\frac{1}{2}$ " Diameter. Full plate escutcheons: (F2) 2 $\frac{9}{16}$ " x 8 $\frac{1}{16}$ "
IC Core	OAK™ interchangeable 6 & 7 pin core compatible with all other SFIC housings.
IC Cylinder	Standard 7 pin interchangeable core housing, compatible with all SFIC cores.
Non IC Cylinder	Standard "C" keyway, compatible with *Schlage®.
Masterkeying	Tailored masterkey system set-up and design. Construction cores available.
Finishes	605 (bright brass), 606 (satin brass), 612 (satin bronze), 613 (dark bronze), 625 (bright chrome), 626 (satin chrome), 630 (stainless steel).

*Manufacturers' registered trade names used above are for identification and reference only.

Lever & Trim Styles



CS1 Trim ♿



CS2 Trim ♿



CF2 Trim ♿



HS1 Trim ♿



HS2 Trim ♿



HF2 Trim ♿



PS1 Trim ♿



PS2 Trim ♿



PF2 Trim ♿

Lever/Knob & Trim Styles



SS1 Trim ♿*



SS2 Trim ♿*



SF2 Trim ♿*

***ATTENTION:** Lever handles without a return should only be used in accordance with existing building and Life Safety Codes®.



RS1 Trim



RS2 Trim



RF2 Trim

Classroom Security

OAK™ Security Group is committed to classroom security.

Our security indicators provide clear indication of lock condition in times of emergency by displaying a RED "Locked" indicator.

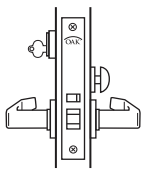
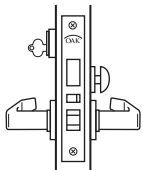
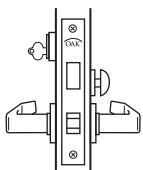
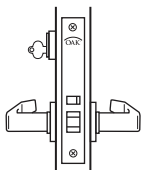
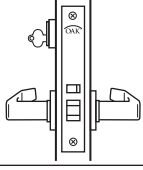
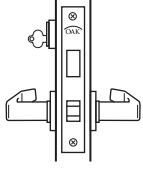
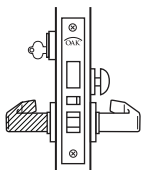
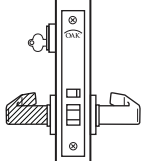
Available in keyed cylinder or turnknob options.

This ensures that the classroom can immediately be secured without confusion and without opening the door.

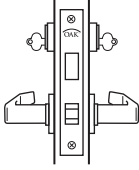
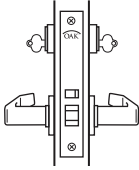
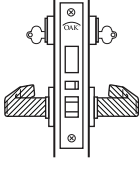
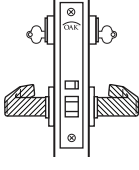
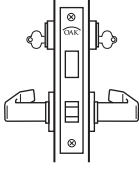
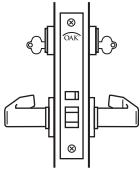
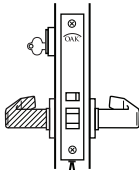
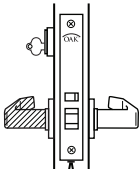


Mortise Indicator
(Inside lever shown)

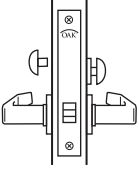
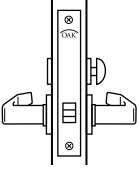
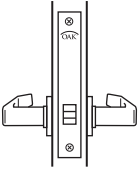
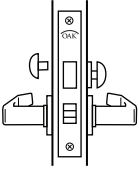
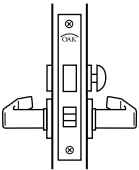
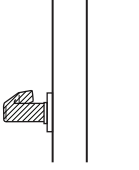
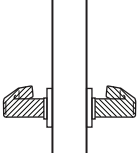
Functions

Function	Description	Operation Description
SINGLE KEYED		
	ENL (F04) Entry/Office	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by outside lever/knob when not locked by thumbturn stopworks or key outside. Stopworks activated by thumbturn or key outside, locking outside lever/knob. Outside lever/knob remains locked until thumbturn is returned to vertical position, or unlocked by key outside. Auxiliary latch deadlocks latchbolt when door is closed.
	END (F20) Entry/Office w/Deadbolt	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by key outside, or by outside lever/knob when not locked by thumbturn stopworks. Stopworks activated by partial thumbturn rotation, locking outside lever/knob. Outside lever/knob remains locked until thumbturn is returned to vertical position. Full thumbturn rotation throws deadbolt, automatically locking outside lever/knob. When deadbolt is thrown, key rotation outside or lever/knob rotation inside retracts deadbolt and latchbolt simultaneously. Auxiliary latch deadlocks latchbolt when door is closed.
	DCD (F13) Dormitory/ Corridor	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by outside lever/knob when not locked by thrown deadbolt. Deadbolt thrown or retracted by key outside or thumbturn inside, automatically locking the outside lever/knob. When deadbolt is thrown, lever/knob rotation inside retracts deadbolt and latchbolt simultaneously, and unlocks outside lever/knob.
	CHL (F06) Classroom Holdback	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by outside lever/knob when not locked by key outside. Outside lever/knob locked or unlocked by key outside. Rotate inside lever/knob and turn key one full turn to activate “holdback” feature. Auxiliary latch deadlocks latchbolt when door is closed.
	CLL (F05) Classroom	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by outside lever/knob when not locked by key outside. Outside lever/knob locked or unlocked by key outside. Auxiliary latch deadlocks latchbolt when door is closed.
	SCD Storeroom/ Closet with Deadbolt	<ul style="list-style-type: none"> Latchbolt retracted by lever/knob from either side. Deadbolt thrown or retracted by key.
	STD Storeroom w/Deadbolt	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by key outside. Outside lever/knob always inoperative. Deadbolt thrown or retracted by key outside or thumbturn inside. When deadbolt is thrown, lever/knob rotation inside retracts deadbolt and latchbolt simultaneously. Auxiliary latch deadlocks latchbolt when door is closed.
	STL (F07) Storeroom	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by key outside. Outside lever/knob always inoperative. Auxiliary latch deadlocks latchbolt when door is closed.

Functions

Function	Description	Operation Description
DOUBLE KEYED		
	CSD Classroom Security w/ Deadbolt	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by outside lever/knob when not locked by thrown deadbolt. Deadbolt thrown or retracted by key from either side, locking outside lever/knob. When deadbolt is thrown, lever/knob rotation inside retracts deadbolt and latchbolt simultaneously, and unlocks outside lever/knob.
	CSL Classroom Security	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by outside lever/knob when not locked by key from either side. Outside lever/knob locked by key from either side. Latchbolt can be retracted by key outside when locked. Auxiliary latch deadlocks latchbolt when door is closed.
	IND Institutional w/Deadbolt	<ul style="list-style-type: none"> Latchbolt retracted by key from either side. Inside and outside lever/knob always inoperative. Deadbolt thrown or retracted by key from either side. Auxiliary latch deadlocks latchbolt when door is closed.
	INL (F30) Institutional Lock	<ul style="list-style-type: none"> Latchbolt retracted by key from either side, but does not unlock lever/knob. Inside and outside lever/knob always inoperative. Auxiliary latch deadlocks latchbolt when door is closed.
	SUD (F14) Store/Utility w/Deadbolt	<ul style="list-style-type: none"> Latchbolt retracted by lever/knob from either side. Deadbolt thrown or retracted by key from either side.
	VEL (F09) Vestibule	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by outside lever/knob when not locked by key inside. Outside lever/knob locked or unlocked by key inside. Latchbolt can be retracted by key outside when locked. Auxiliary latch deadlocks latchbolt when door is closed.
ELECTRIFIED		
	STLEL	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by outside lever/knob when unlocked by electronic device (12 or 24VAC) or power failure. (Fail Safe) Latchbolt can be retracted by key outside when locked. Auxiliary latch deadlocks latchbolt when door is closed.
	STLEU	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by outside lever/knob when unlocked by electronic device (12 or 24 VAC). Latchbolt can be retracted by key outside when locked, or during power failure. (Fail Secure) Auxiliary latch deadlocks latchbolt when door is closed.

Functions

Function	Description	Operation Description
NON-KEYED		
	PRL Bath/Bedroom Privacy	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by outside lever/knob when not locked by thumbturn stopworks. Stopworks activated by thumbturn inside, locking outside lever/knob. Outside lever/knob remains locked until thumbturn is returned to vertical position, or unlocked by rotating inside lever or closing door. To unlock from outside, insert emergency thumbturn in access hole and rotate.
	PCL Privacy w/ Coin Turn Outside	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by outside lever/knob when not locked by key. Stopworks activated by thumbturn inside or coin turn outside, locking outside lever/knob. Outside lever/knob remains locked until thumbturn is returned to vertical position, rotating coin turn outside, rotating inside lever or closing door. Auxiliary latch deadlocks latchbolt when door is closed. Function available in sectional trim only.
	PAL Passage	<ul style="list-style-type: none"> Latchbolt always retracted by lever/knob from either side.
	PRD Privacy w/ Deadbolt	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by outside lever/knob when not locked by thrown deadbolt. Deadbolt thrown or retracted by thumbturn inside, locking outside lever/knob. When deadbolt is thrown, lever/knob rotation inside retracts deadbolt and latchbolt simultaneously, and unlocks outside lever/knob. To unlock from outside, insert emergency thumbturn in access hole and rotate.
	PCD Privacy w/ Deadbolt and Coin Turn O/S	<ul style="list-style-type: none"> Latchbolt always retracted by inside lever/knob for egress, or by outside lever/knob when not locked by thrown deadbolt. Deadbolt thrown or retracted by thumbturn inside or coin turn outside, locking outside lever/knob. When deadbolt is thrown, lever/knob rotation inside or coin turn outside retracts deadbolt and latchbolt simultaneously, and unlocks outside lever/knob. Function available in sectional trim only.
DUMMY TRIM		
	DTB Single Dummy Trim	<ul style="list-style-type: none"> No latchbolt. Inoperative lever/knob on one side of door used as pull.
	DDB Double Dummy Trim	<ul style="list-style-type: none"> No latchbolt. Inoperative lever/knob on both sides of door used as push/pull.

How To Order - Mortise Locksets

1M	L	ENL	1	C	F2	CL	626	LC	LM
Series	Type	Function	Core	Lever/Knob	Trim	Strike	Finish	Keying	Options
1M grade1 mortise lockset	K - knob L - lever	ENL - entrance latch CLL - classroom latch STD - storeroom w/deadbolt	0 -non-keyed 1 -Oak SFIC format IC 2 -standard “C” non-I/C plug	Levers H -hard return C -curved return P - tube lever S - straight Knobs R - round	F2 - large full escutcheon S1 -small sect. trim S2 -large sect. trim	CL - curved lip (Std) CLL - curved lip spl. length specify length CLS - custom strike	605 606 612 613 625 626 630	LC - less core KE - keyed	LM - lost motion

ATTENTION: Locksets that secure both sides of door are a life safety hazard in times of emergency and they should only be used in accordance with existing building and Life Safety Codes®.

Electrified Locks

Features

- Electrified mortise lockset designed to be integrated into an electronic access control system.
- Available in 12V and 24V.
- Available in “Fail Safe” (locked when power is applied).
- Available in “Fail Secure” (unlocked when power is applied).
- Request-to-exit option available.
- Latchbolt monitoring option available.
- Door position monitoring option available.



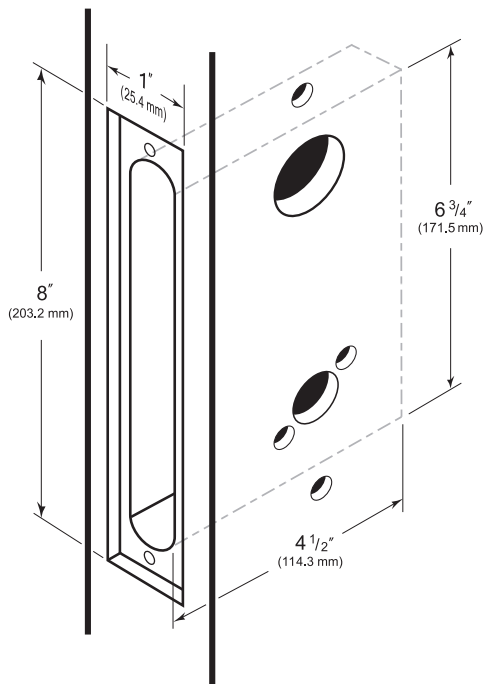
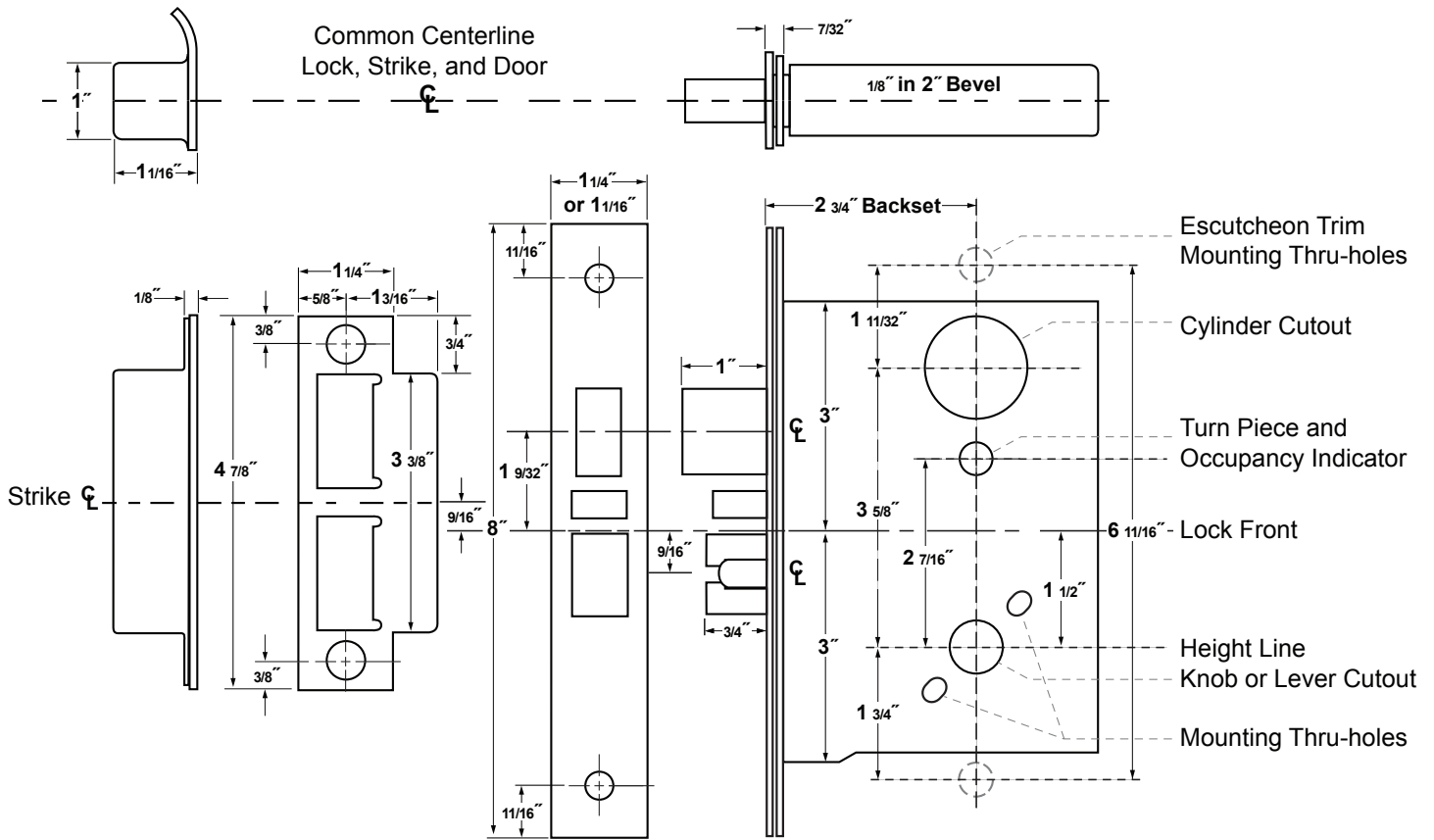
Electrified Lock

How To Order - Electrified Locks

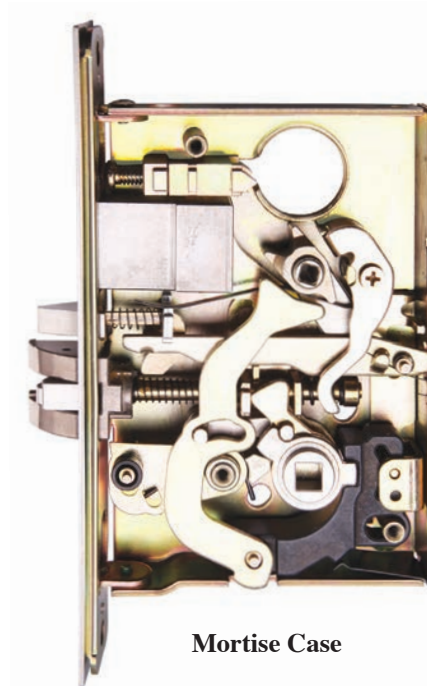
1M	L	STLEL	1	C	F2	CL	626	LC	R
Series	Type	Function	Core	Lever/Knob	Trim	Strike	Finish	Keying	Options
1M grade1 mortise lockset	K -knob L -lever	STLEL - outside electrically locked STLEU - outside electrically unlocked	0 -non-keyed 1 -Oak SFIC format IC 2 -standard “C” non-I/C plug	Levers H - hard return C - curved return P - tube lever S - straight Knobs R - round	F2 - large full escutcheon S1 -small sect. trim S2 -large sect. trim	CL -curved lip (Std) CLL -curved lip spl. length specify length	605 606 612 613 625 626 630	LC -less core KE - keyed	R -RQE D -door position monitor L -latch monitor

***ATTENTION:** Locksets that secure both sides of door are a life safety hazard in times of emergency and they should only be used in accordance with existing building and Life Safety Codes®.

Mortise Dimensions



Mortise Door Prep.

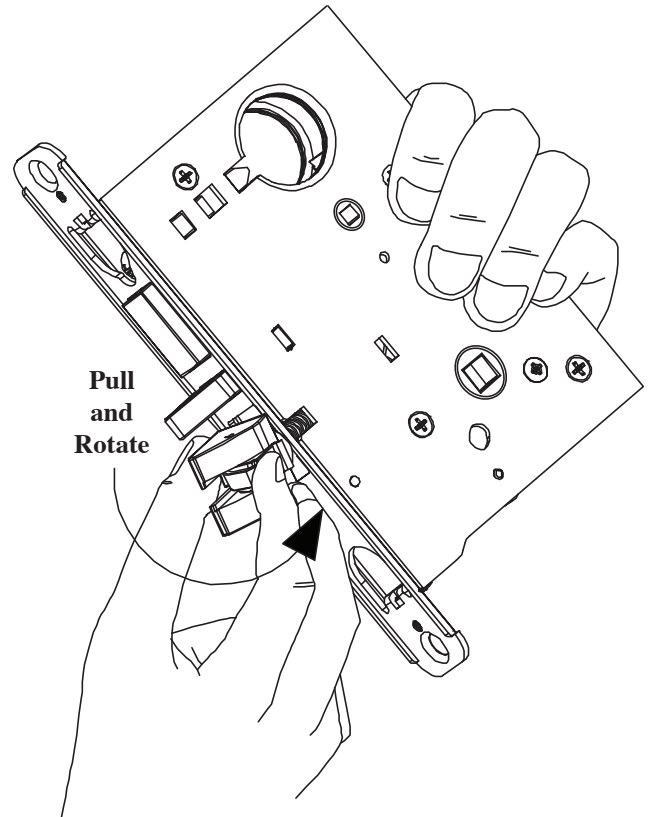


Mortise Case

How to Change Handing

A. CHANGE LATCH HANDING.

- Pull anti-friction tongue and latchbolt away from lock case.
- Rotate latchbolt 180°.



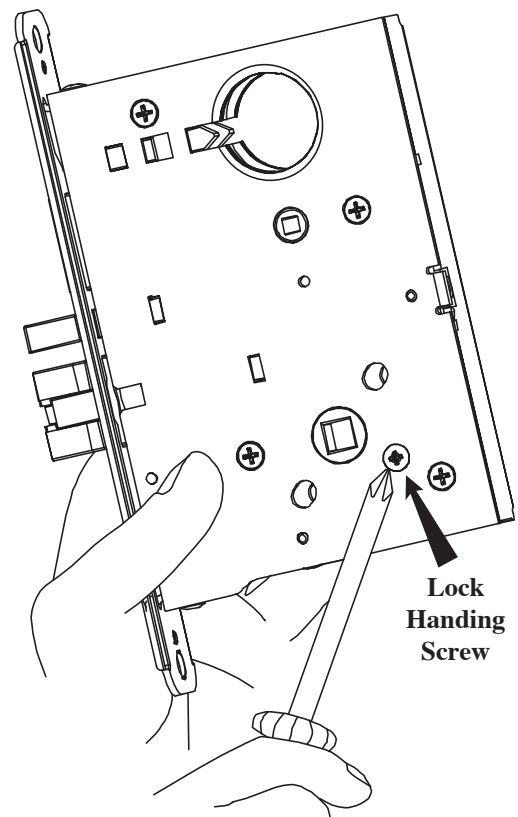
B. CHANGE LOCK HANDING SCREW.

- Remove lock handing screw from side of lock case.
- Install lock handing screw on other side of lock case.

NOTE: The lock handing screw must always be on the inside of the door for proper operation of the lock. (Handing screw is **Not** used on STL – storeroom function or any other fixed lever function).



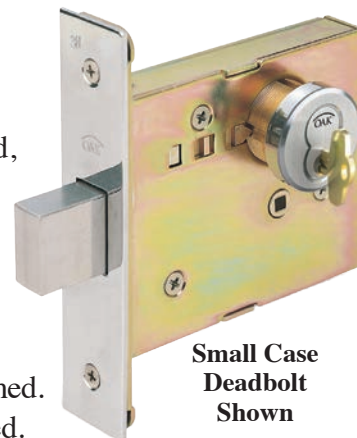
<http://www.oaksecurity.com/technical-data/>



1M – Mortise Deadbolt available in full and small case formats

Specifications

Certification	UL Listed for 3-Hour fire rating, ANSI A156.5, Grade 1
Case	Heavy wrought steel with zinc dichromate finish, non-handed, self-adjusting face for beveled doors. Full Case: 4 $\frac{5}{16}$ " \times 6" \times 1" – Small Case: 4 $\frac{5}{16}$ " \times 3 $\frac{9}{16}$ " \times 1"
Deadbolt	1" throw, stainless steel
Backset	2 $\frac{3}{4}$ "
Door Range	1 $\frac{3}{8}$ " to 2 $\frac{1}{2}$ " thick doors
Strike	Full Case: 1 $\frac{1}{4}$ " \times 4 $\frac{7}{8}$ ", curved lip, non-handed, dust box furnished. Small Case: 1 $\frac{1}{8}$ " \times 3 $\frac{1}{2}$ ", no lip, non-handed, dust box furnished.
IC Core	OAK™ Interchangeable 6 or 7-pin core compatible with all other SFIC housings.
IC Cylinder	Standard 7 pin interchangeable core housing, compatible with all SFIC cores.
Non IC Cylinder	Standard "C" keyway, compatible with †Schlage®
Masterkeying	Tailored masterkey system set-up and design, construction cores available.
Finishes	605 (bright brass), 606 (satin brass), 612 (satin bronze), 613 (dark bronze), 625 (bright chrome), 626 (satin chrome)



**Small Case
Deadbolt
Shown**



Functions

Function	Description	Operation Description
DEADLOCKS		
	CD Classroom	<ul style="list-style-type: none"> Deadbolt thrown or retracted by key outside. Inside thumb turn cylinder retracts deadbolt but cannot project it.
	KD Cylinder/ Thumb Turn	<ul style="list-style-type: none"> Deadbolt thrown or retracted by key outside or thumb turn inside.
	MD* Double Cylinder	<ul style="list-style-type: none"> Deadbolt operated by key from either inside.
	TD Door Bolt	<ul style="list-style-type: none"> Deadbolt thrown or retracted by thumb turn from one side. No trim on opposite side.
	LD Cylinder Lock	<ul style="list-style-type: none"> Deadbolt thrown or retracted by key from one side. No trim on opposite side.

How To Order - Mortise Deadbolts

1M	F	CD	1	SC	626	LC
Series	Type	Function	Core	Strike	Finish	Keying
1M grade1 mortise lockset	F -full case deadbolt S -small case deadbolt	CD -classroom lock KD -cylinder x thumbturn lock MD -double cylinder lock* TD -Door bolt LD -Cylinder lock	0 -non-keyed 1 -Oak SFIC format IC 2 -standard "C" non-I/C plug	SC -square corner (Std)	605 606 612 613 625 626	LC -less core KE -keyed

***ATTENTION:** Locksets that secure both sides of door are a life safety hazard in times of emergency and they should only be used in accordance with existing building and Life Safety Codes®.

†Manufacturers' registered trade names used above are for identification and reference only.

A Systems Approach To Security

OAK™ Security will develop a comprehensive facility masterkey system bringing a solution to any current keying problems. We will also provide flexibility for any future keying needs.

You may have already made a significant investment into an existing small format interchangeable core system. We can seamlessly integrate our additions into your system and work with you on any necessary expansions to the system.

When a higher level of security is required OAK™ offers a full range of industry leading patented keying options. Our patent protected keying systems ensure that only OAK™ or your designated staff can make and issue patent protected keys. OAK™ is proud to partner with *Medeco® and *Schlage® in providing these patented systems.



Government

NAICS:
332510; 423710; 334290

Cage Code:
43GB3

Duns #:
602666922



Contract Holder
GS-07F-0611X



Finishes

605 – Bright brass(US3)	613 – Dark bronze(US10B)
606 – Satin brass(US4)	625 – Bright chrome(US26)
611 – Bright bronze(US9)	626 – Satin chrome(US26D)
612 – Satin bronze(US10)	630 – Satin stainless steel(US32D)

*Manufacturers' registered trade names used above are for identification and reference only.



Oak Security Group, LLC
Ph: 317-585-9830 • Fax: 317-585-9834
Toll-free: 877-OSG-LOCK

www.oaksecurity.com

C-101-O