

CAL-ROYAL

PRODUCTS, INC. U.S.A.



NM and WI SERIES EXTRA HEAVY DUTY MORTISE LOCKS GRADE 1



NM SERIES

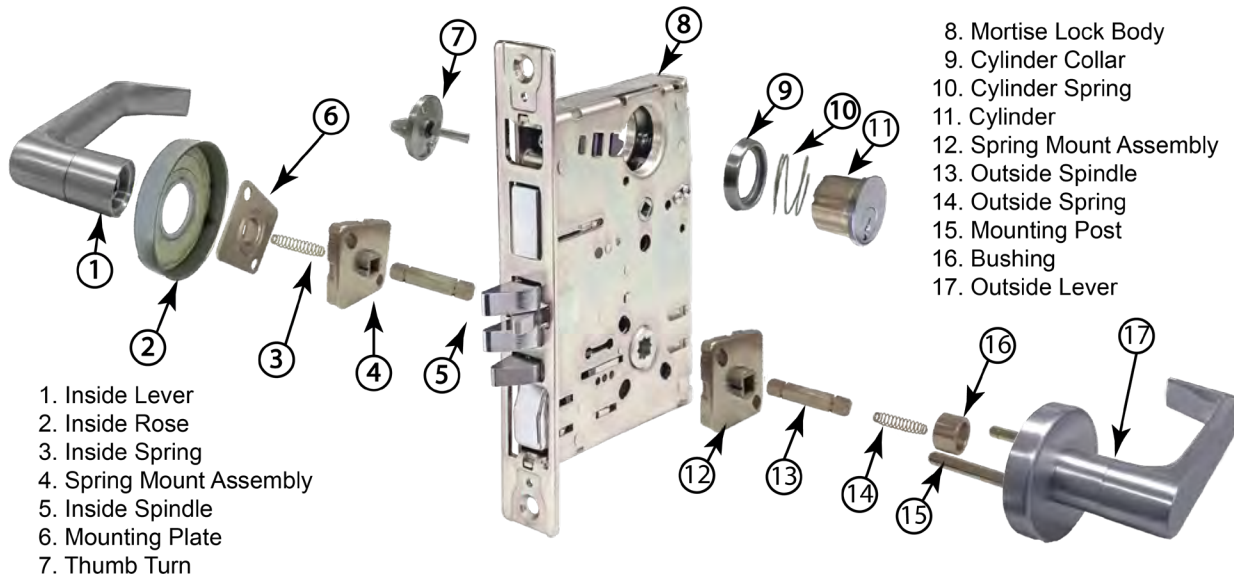
Extra Heavy Duty Mortise Locks

ANSI BHMA A156.13 - 2017

Grade 1



MEETS
The Buy American Act



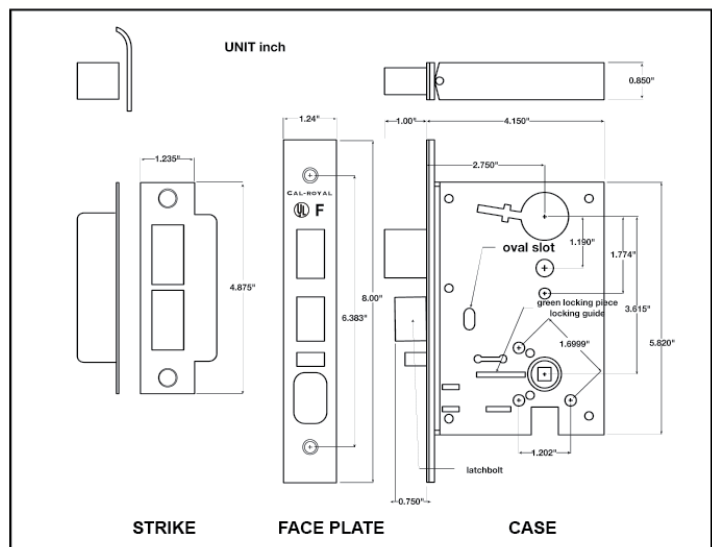
- 1. Inside Lever
- 2. Inside Rose
- 3. Inside Spring
- 4. Spring Mount Assembly
- 5. Inside Spindle
- 6. Mounting Plate
- 7. Thumb Turn

- 8. Mortise Lock Body
- 9. Cylinder Collar
- 10. Cylinder Spring
- 11. Cylinder
- 12. Spring Mount Assembly
- 13. Outside Spindle
- 14. Outside Spring
- 15. Mounting Post
- 16. Bushing
- 17. Outside Lever

FEATURES & SPECIFICATIONS

For Doors.....	1 3/4"
Backset.....	2 3/4"
Lockcase.....	Heavy gauge zinc chromate steel
Front.....	Heavy gauge steel 8" x 1 1/4" x 3 1/32". Accommodates flat doors and doors beveled 1/8" in 2"
Armored Front.....	Wrought brass attached by machine screws to lock case front
Deadbolt.....	1" throw, brass chrome-plated with hardened steel rollers
Guard Bolt.....	Extruded brass, chrome plated
Stop Works.....	Rocker type, brass, chrome-plated
Strikes.....	Brass, non-handed curve strike 4 7/8" x 1/4". Curved-up strike available upon request
Handing.....	Handed. Easily field-reversible
Trim.....	As specified
Cylinder.....	As specified
Keyway.....	As specified
Finishes.....	As specified
UL Listing.....	UL Listed "A" Label (3 hours), for use on fire doors, single or pair of doors. "F" mark stamped on strike
ANSI / BHMA.....	Meets ANSI / BHMA A156.13, Series 1000, Operational & Security Grade 1 Standards. Lock body conforms to Federal Specification Type 86; and all dimensional and operational performances, Exceeds 1,000,000 cycles

- 100% internal parts quality inspection provides security, reliability and durability
- Available with Best, Falcon and Arrow (Small Format IC), Schlage, Corbin / Russwin, Sargent, and Yale Interchangeable core.
- ICSC - Schlage LFIC
- ICCR - Corbin / Russwin LFIC
- ICSR - Sargent LFIC
- ICYA - Yale LFIC
- Electrified Locks available.





► **KEYWAYS AVAILABLE**

6 pin solid brass "C" keyway Mortise cylinder standard.
Optional: Schlage E, Schlage C-K, Russwin D1-2-3-4, Corbin 59 / 60, Sargent LA-LB-LC, Falcon / Weiser E, Arrow A, Yale 8, Yale GA and Kwikset. Can also accept Medeco, Assa and Kaba and Cal-Royal HSK High Security Cylinders.

► **WIDE ESCUTCHEON AVAILABLE**

All trim designs for standard escutcheon are available for "WI" wide escutcheon series. Specify design code when referencing "WI" Series in the Pricelist. Availability and finish subject to factory lead time and minimum order.

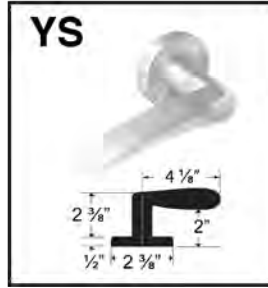
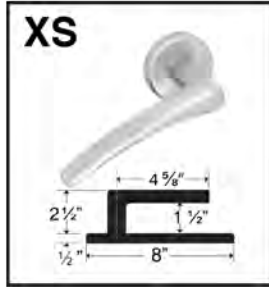
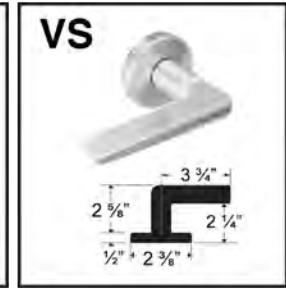
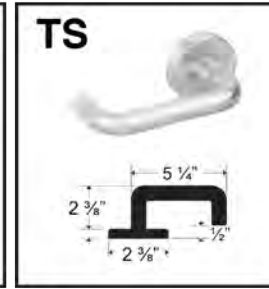
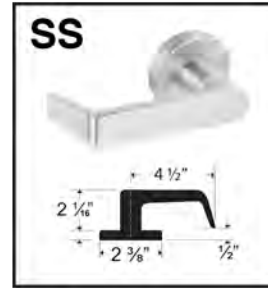
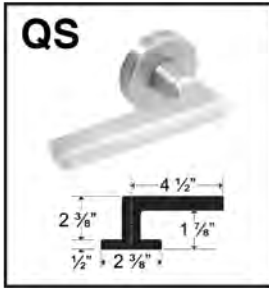
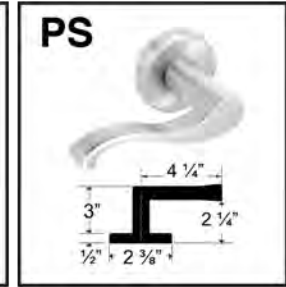
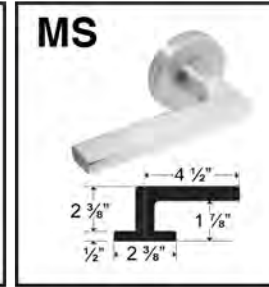
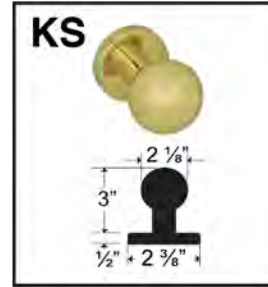
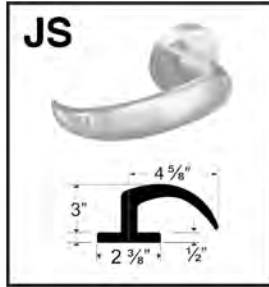
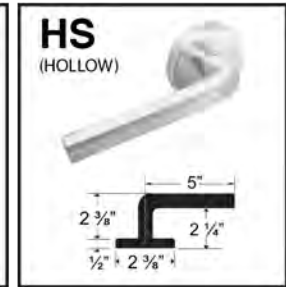
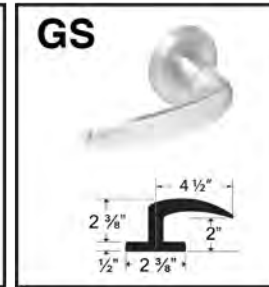
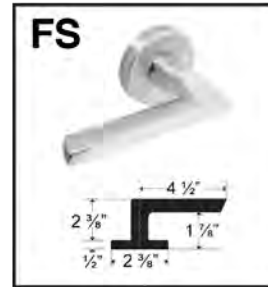
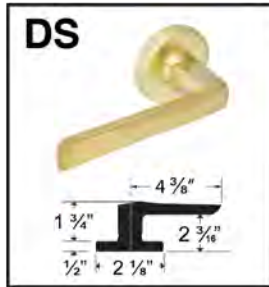
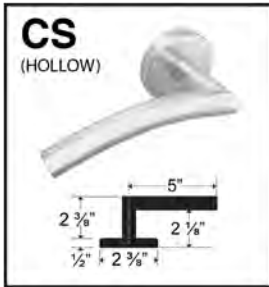
► **ESCUTCHEON DIMENSION:** 2 1/2" w x 8 1/4" h x 1/2" t

MEETS
The Buy American Act

LIFETIME WARRANTY **BHMA**
CERTIFIED
Be Safe. Be Secure. Look for the Mark.

NM SERIES

SECTIONAL TRIMS & FINISHES

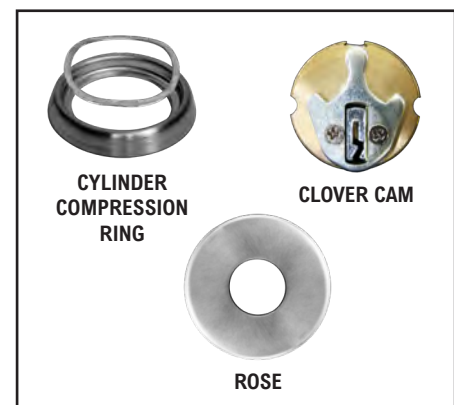
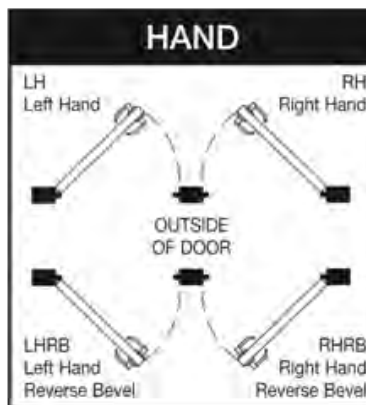


ITEM	MATERIAL
Rose	Brass / Stainless Steel
Levers	Brass / Zinc / Stainless Steel
Escutcheons	Brass / Zinc / Stainless Steel

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LIFETIME WARRANTY **BHMATM**
CERTIFIED
Be Safe. Be Secure. Look for the Mark.






FINISHES		
Symbol	BHMA	Description
US3	605	Polished Brass
US4	606	Satin Brass
US10	612	Satin Bronze
US10B	613	Oil Rubbed Bronze
US19	622	Flat Black Coated
US26D	626	Satin Chrome
US26	625	Polished Chrome
US32D	630	Stainless Steel

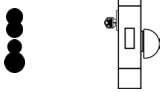
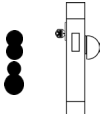
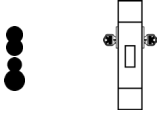
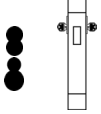
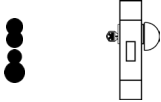
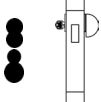
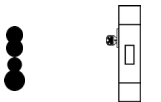
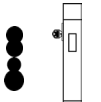

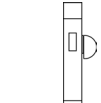
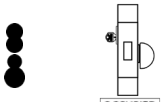




OUTSIDE	INSIDE	SERIES / FUNCTION	TYPE	ANSI	FUNCTION DESCRIPTION
		NM8050	Office / Entrance	F04	Latch bolt retracted by key outside and inside lever when outside lever is locked. Outside lever retracts latch bolt unless outside lever is locked by operating toggle button. Outside lever is locked and unlocked by toggle button. Key outside locks outside lever only. When latch bolt is retracted by inside lever, outside lever remains locked. Auxiliary latch deadlocks latch bolt when door is closed. Inside lever is always free for immediate exit.
		NM8056	NM8050 with Automatic Unlocking	---	Latch bolt retracted by knob / lever from either side unless outside is made inoperative by key outside or by rotating inside thumbturn. Outside knob / lever unlocked by key outside or thumbturn. Rotating inside knob / lever simultaneously retracts latch bolt and unlocks outside knob / lever. Auxiliary latch deadlocks bolt when door is locked. Inside knob / lever is always free of immediate egress.
		NM8070	Classroom	F05	Outside key locks and unlocks outside lever. Outside lever retracts latch bolt unless outside lever is locked by key. When outside lever is locked, unlocked from outside by key or by inside lever. Inside lever is always free for immediate exit. Auxiliary latch deadlocks latch bolt when door is closed.
		NM8071	Classroom Security Lock	F32	Latch bolt retracted by knob / lever from either side unless outside is locked by key from either side. When outside lever is locked, latch bolt is retracted by key outside or lever inside. Turning key from either side locks and unlocks outside lever. Auxiliary latch deadlocks latch bolt when door is locked. Inside knob / lever is always free for immediate egress.
		NM8457	Classroom Security Lock w/ Deadbolt	F33	Latch bolt retracted by outside lever from either side unless outside lever is locked by key from inside or outside. Deadbolt projected or retracted by key outside. Operating inside lever retracts both deadbolt and latch bolt simultaneously and unlock outside lever. Inside knob / lever is always free for immediate egress.
		NM8458	Classroom Security Lock w/ Deadbolt and Auxiliary Latch	F34	Latch bolt retracted by lever from either side unless outside lever is locked from inside or outside by key. Deadbolt projected or retracted by key outside. Operating inside lever retracts both bolts and unlocks outside lever. Auxiliary latch deadlocks latch bolt when door is closed or latch bolt deadlocks when deadbolt is projected. Inside lever is always free for immediate egress.
		M8463	Classroom Lock	F29	Deadbolt thrown or retracted by key from outside. Inside thumbturn cylinder retracts deadbolt but cannot project it.
		NM8080	Storeroom	F07	Latch bolt operated by key from outside or rotating inside lever, outside lever is always inoperative. Auxiliary latch deadlocks latch bolt when door is closed. Inside lever is always free for immediate egress.
		NM8480	Storeroom Lock with Deadbolt	---	Latch bolt retracted by key outside or by lever or knob inside. Outside knob / lever is always fixed. Deadbolt thrown or retracted by key outside or thumbturn inside. Turning inside knob / lever simultaneously retracts both deadbolt and latch bolt. Auxiliary latch deadlocks latch bolt when door is closed. Inside knob / lever is always free for immediate egress.
		NM8453	Entrance	F20	Latch bolt retracted by lever from either side unless outside lever is locked by operating toggle button. Deadbolt projected by key from outside or by thumbturn from inside. Both deadbolt and latch bolt are retracted by inside lever simultaneously. Latch bolt is deadlocked when outside lever is locked or when deadbolt is projected. Outside lever is unlocked by toggle button if deadbolt is retracted. Inside lever is always free for immediate egress.

OUTSIDE	INSIDE	SERIES / FUNCTION	TYPE	ANSI	FUNCTION DESCRIPTION
		NM8456	Corridor	F13	Latch bolt retracted by knob / lever from either side. Deadbolt thrown or retracted by key outside or inside thumbturn. Throwing deadbolt locks outside knob / lever. Turning inside knob / lever simultaneously retracts deadbolt and latch bolt and unlocks outside knob / lever. Inside knob / lever is always free for immediate egress.
		NM8473	Dormitory / Bedroom	F21	Latch bolt retracted by knob or lever from either side. Deadbolt extended or retracted by key outside or thumb turn inside. Latch bolt and deadbolt are independent of each other.
		M8460	Cylinder x Thumbturn Lock	F17	Deadbolt thrown or retracted by key outside or thumbturn inside.
		NM8466	Store Door Lock	F14	Latch bolt operated by lever from either side. Deadbolt projected or retracted by key on either side. Latch bolt and deadbolt are independent of each other.
		M8462	Double Cylinder Lock	F16	Deadbolt operated by key from either side.
		M8464	Cylinder Lock	F18	Deadbolt thrown or retracted by key from outside only. No trim on opposite side.
		NM8082	Asylum / Institution Lock	F30	Latch bolt retracted by key from either side. Knob / lever on both sides always inoperative. Auxiliary latch deadlocks latch bolt when door is closed.
		NM8465	Closet / Storeroom with Deadbolt	---	Latch bolt retracted by knob or lever from either side. Deadbolt extended or retracted by key outside.
		NM8040	Privacy Bedroom / Bath	F22	Latch bolt retracted by knob / lever from either side unless outside is locked by inside thumbturn. Operating inside knob / lever, closing door, or operating outside emergency release unlocks outside knob / lever. Inside knob / lever is always free for immediate exit.
		NM8044	Privacy w/ Coin Turn Outside	---	Latch bolt retracted by knob / lever from either side unless outside is locked by inside thumbturn or outside coin turn. Operating inside knob / lever, closing door, rotating inside thumbturn or rotating outside coin turn unlocks outside knob / lever. Inside knob / lever is always free for immediate exit.

OUTSIDE	INSIDE	SERIES / FUNCTION	TYPE	ANSI	FUNCTION DESCRIPTION
		NM8440	Privacy with Deadbolt	F19	Latch bolt retracted by knob / lever from either side. Deadbolt thrown or retracted by inside thumbturn. Throwing deadbolt locks outside knob / lever. Rotating inside knob / lever simultaneously retracts deadbolt and latch bolt, and unlocks outside knob / lever. To unlock from outside, insert emergency thumbturn in access hole and rotate. Inside knob / lever is always free for immediate egress.
		NM8444	Privacy w/ Deadbolt and Coin Turn Outside	F19A	Latch bolt retracted by knob / lever from either side. Deadbolt thrown or retracted by inside thumbturn or outside coin turn. Throwing deadbolt locks outside knob / lever. Rotating inside knob / lever simultaneously retracts deadbolt and latch bolt, and unlocks outside knob / lever. Rotating outside coin turn retracts deadbolt and unlocks outside knob / lever. Inside knob lever is always free for immediate egress.
		NM8445	Privacy w/ Deadbolt, Coin Turn Outside and "OCCUPIED" Indicator	F19B	Latch bolt retracted by knob / lever from either side. Deadbolt thrown or retracted by inside thumbturn or outside coin turn. Throwing deadbolt locks outside knob / lever and displays "OCCUPIED" plate. Rotating inside knob / lever simultaneously retracts deadbolt and latch bolt, and unlocks outside knob / lever. Rotating outside coin turn retracts deadbolt and unlocks outside knob / lever. Inside knob lever is always free for immediate egress.
		NM8495	Privacy with "OCCUPIED" Indicator	---	Knob / lever retracts latch bolt form either side. Dead bolt thrown or retracted by key outside (retraction by key required in the event of an emergency) or inside thumbturn. Throwing deadbolt locks outside knob / lever and displays "OCCUPIED" plate. Rotating inside knob / lever simultaneously retracts both deadbolt and latch bolt and unlocks outside knob / lever. Inside lever is always free for immediate egress.
		NM8010	Passage	F01	Latch bolt operated by lever from either side at all times. Inside lever is always free for immediate exit.
		NM8170	Single Fixed Dummy	---	Lever on one side fixed by mounting bar is always rigid. Lever is used as door pull only.
		NM8172	Double Fixed Dummy	---	Lever on both sides fixed by mounting bar is always rigid. Lever is used as door pull only.
		NM8175	Single Dummy Trim with Lock Case	---	Lever on one side fixed on door surface is always rigid. Includes lock case and armored front.
		NM8176	Double Dummy Trim with Lock Case	---	Lever on both sides fixed on door surface and are always rigid. Includes lock case and blank armor front.

HEAVY DUTY ANSI A156.36 GRADE 1 SMALL LOCK CASE	NM SERIES MORTISE DEADBOLTS	HEAVY DUTY ANSI A156.13 GRADE 1 FULL MORTISE									
  <p>Lock Case: 3 15/16" x 3 5/8" x 1" (100 mm x 92 mm x 25 mm)</p> <p>Faceplate: 1 1/4" x 5 19/32" x 7/32" (32 mm x 142 mm x 6 mm)</p> <p>Strike: 1 1/8" x 3 1/2" (29 mm x 89 mm)</p>	<ul style="list-style-type: none"> Any door in commercial or institutional buildings where the best auxiliary Mortise deadbolt locks are required Backset: 2 3/4" (70 mm) Door Range: 1 3/4" (44 mm), available to 2 1/4" (57 mm). Specify thickness if other than 1 3/4". Deadbolt: 1" (25 mm) throw, stainless steel, can withstand cutting or sawing Cylinder: 1 1/8" Mortise cylinder Schlage "C" (standard). Otherwise specify Heavy Gauge Steel Lock Case Brass Deadbolt with Hardened Steel Inserts 1" Throw Architectural Finishes including stainless steel available <p>Mortise Cylinder</p> <ul style="list-style-type: none"> Cylinder length is 1 1/8" (under shoulder including cam) With clover leaf cam 	  <table border="1" data-bbox="1135 480 1522 739"> <thead> <tr> <th colspan="2">NM SERIES</th> </tr> </thead> <tbody> <tr> <td>LOCK CASE</td> <td>4" x 5 3/4" x 1" 102 mm x 146 mm x 25.4 mm</td> </tr> <tr> <td>FACE PLATE</td> <td>1 1/4" x 8" x 1/8" 32 mm x 203 mm x 3.175 mm</td> </tr> <tr> <td rowspan="2">STRIKE</td> <td>1 1/4" x 4 1/8"</td> </tr> <tr> <td>32 mm x 124 mm</td> </tr> </tbody> </table>	NM SERIES		LOCK CASE	4" x 5 3/4" x 1" 102 mm x 146 mm x 25.4 mm	FACE PLATE	1 1/4" x 8" x 1/8" 32 mm x 203 mm x 3.175 mm	STRIKE	1 1/4" x 4 1/8"	32 mm x 124 mm
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	32 mm x 124 mm										

MODEL #	FUNCTIONS	MODEL #
SM4608 ANSI E06071 	Cylinder and Thumbturn Deadbolt thrown or retracted by key outside or thumbturn inside	M8460 ANSI F17 
SM4628 ANSI E06061 	Double Cylinder Deadbolt operated by key on either side	M8462 ANSI F16 
SM4638 ANSI E06091 	Classroom Lock Deadbolt thrown or retracted by key from outside. Inside cylinder turn retracts deadbolt but cannot project it. Specify handing.	M8463 ANSI F29 
SM4648 ANSI E06081 	Cylinder Lock Deadbolt thrown or retracted by key from one side. No trim on opposite side	M8464 ANSI F18 
SM4808 	Door Bolt Deadbolt thrown or retracted by thumbturn from one side. No trim on opposite side	M8480 
SM4968 	Deadbolt With "Occupied" Indicator Deadbolt thrown or retracted by key outside or thumbturn inside. When deadbolt is thrown "OCCUPIED" plate is displayed	M8496 
PACKAGING INCLUDES <ul style="list-style-type: none"> UL listed single point latch Standard "C", 6 pin cylinder Non-handed strike 	OPTIONAL INTERCHANGEABLE CORE <ul style="list-style-type: none"> For Best, Falcon and Arrow Interchangeable Core prefix "IC" before Part#. (Mortise housing Part# ICH961387) For Schlage Large Format Interchangeable Core prefix "ICSC" before Part#. For Corbin / Russwin Large Format Interchangeable Core prefix "ICCR" before Part#. For Sargent Large Format Interchangeable Core prefix "ICSA" before Part#. For Yale Large Format Interchangeable Core prefix "ICYA" before Part#. (Mortise housing Part# 7000ICMC) 	

ADDITIONAL KEYWAYS
6 pin solid brass "C" keyway standard. Optional: Schlage E, Schlage C-K, Russwin D1-2-3-4, Corbin 59 / 60, Sargent LA-LB-LC, Falcon / Weiser E, Arrow A, Yale 8, Yale GA and Kwikset. Can also accept Medeco, Assa, Kaba and Cal-Royal HSK High Security Cylinders.

NM SERIES

Kits and Accessories

► ADA Thumbturn

Optional Disability Turn (ADA) on applicable mortise locks.
Prefix "ADA" before Mortise lock PART#.



ADA THUMBTURN

► QUICKMARK TEMPLATE

Available heavy duty steel template for fast and easy installation.
Reduces installation time. Eliminates using paper templates.
Use PART# "MTCAL".



QUICKMARK TEMPLATE

► FOR 2" up to 2 1/4" Thick door

Order kit:
SSMKIT214 – for sectional trim
SEMKIT214 – for escutcheon trim

► TACTILE

Available on request. Use PART# "TAC".

► LEAD LINING

Available on request. Use PART# "LEAD".

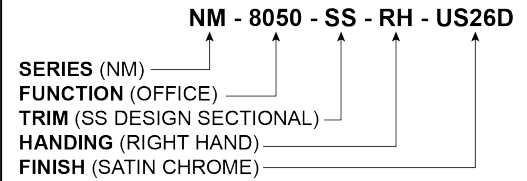
► ANTI MICROBIAL COATING

Available on request on US26D and US32D finishes.
Longer factory lead time usually applies.
Specify "ANTB" when ordering.

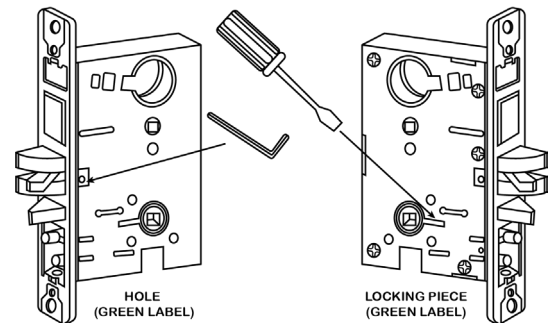
► HOW TO CHANGE HANDING

1. Use hex key to unfasten screw in the hole behind latch bolt (green label).
2. Pull latch bolt out until it is entirely away from the lock case.
3. Rotate latch bolt to adjust handing.
4. Fasten the screw tightly into the hole and glue with threadlocker (loctite 242).
5. Use blade screwdriver to flip locking piece (green label) forward twice to front side.
6. Handing is completely reversed.

HOW TO ORDER NM SERIES



HOW TO CHANGE HANDING



WARNING!

Please read the instruction on the installation guide about the correct position of spring cage.

Privacy Indicators

Privacy with Key Outside and "OCCUPIED" Indicator NM8495

- Deadbolt thrown or retracted by key outside or inside thumbturn
- Knob / lever retracts latch bolt from either side
- Throwing deadbolt locks outside knob / lever and displays "OCCUPIED" plate
- Rotating inside knob / lever simultaneously retracts both deadbolt and latch bolt and unlocks outside knob / lever
- Inside lever is always free for immediate egress



Privacy with Deadbolt, Coin Turn Outside and "OCCUPIED" Indicator NM8445

- Deadbolt thrown or retracted by inside thumbturn or outside coin turn
- Rotating outside coin turn retracts deadbolt and unlocks outside knob / lever
- Latch bolt retracted by knob / lever from either side
- Throwing deadbolt locks outside knob / lever and displays "OCCUPIED" plate
- Rotating inside knob / lever simultaneously retracts deadbolt and latch bolt and unlocks outside knob / lever
- Inside lever is always free for immediate egress



NM300 Series

ELECTRIFIED MORTISE LOCKS

Available with or without deadbolt

FEATURES:

- UL and CUL Listings
- Continuous duty solenoids for cooler operation during “continuously on” applications
- Low current draw
- Numerous switch options
- 3 year “No Hassle” warranty

OPTIONS:

- Voltage requirement - 12V DC or 24V DC
- Amperage - 300mA @ 12V or 130mA @ 24V
- Solenoid coil resistance - 12V = 39.4 Ω or 24V = 173 Ω
- Power consumption - 3.65W @ 12V or 3.3W @ 24V
- Function – available Fail Safe, “Electrically Locked” (EL) or Fail Secure, “Electrically Unlocked” (EU)

- ▶ **RX** – Request to Exit Switch (Monitors the inside handle)
- ▶ **LBM** – Latch Bolt Monitoring Switch (Monitors the position of latch bolt)
- ▶ **DPS** – Door Position Switch (*Sold Separately. Not installed on the lock.)

HOW TO ORDER ELECTRIFIED NM300 SERIES

- Use NM Models if ordered as an ELECTRIFIED LOCK CASE ONLY.
 - Use ENM Models if ordered as a complete lock with ADD-ON list price.
- Must Specify: NM Series item # and Electrification Option
(refer to table below) separately.

For Example: NM8080SSRH US26D with ENM300 (EL 12V) option,
Order: NM8080SSRH US26D and ENM300-RH as two line items.

▶ **HANDING:** Non-Reversible. Must specify Left Hand (LH) or Right Hand (RH) when ordering.

**REFER TO PRICELIST
FOR STOCK FINISHES AND FUNCTIONS**

ELECTRIFICATION OPTIONS (WITHOUT DEADBOLT)

MODEL #	EL	EU	12	24	RX	LBM
ENM300	✓		✓			
ENM301	✓		✓		✓	
ENM302	✓		✓			✓
ENM303	✓		✓		✓	✓
ENM304	✓			✓		
ENM305	✓			✓	✓	
ENM306	✓			✓		✓
ENM307	✓			✓	✓	✓
ENM308		✓	✓			
ENM309		✓	✓		✓	
ENM310		✓	✓			✓
ENM311		✓	✓		✓	✓
ENM312		✓		✓		
ENM313		✓		✓	✓	
ENM314		✓		✓		✓
ENM315		✓		✓	✓	✓

ELECTRIFIED LOCK CASE ONLY

MODEL #
NM300
NM301
NM302
NM303
NM304
NM305
NM306
NM307
NM308
NM309
NM310
NM311
NM312
NM313
NM314
NM315

ELECTRIFICATION OPTIONS (WITH DEADBOLT)

MODEL #	EL	EU	12	24	RX	LBM
ENM316	✓		✓			
ENM317	✓		✓		✓	
ENM318	✓		✓			✓
ENM319	✓		✓		✓	✓
ENM320	✓			✓		
ENM321	✓			✓	✓	
ENM322	✓			✓		✓
ENM323	✓			✓	✓	✓
ENM324		✓	✓			
ENM325		✓	✓		✓	
ENM326		✓	✓			✓
ENM327		✓	✓		✓	✓
ENM328		✓		✓		
ENM329		✓		✓	✓	
ENM330		✓		✓		✓
ENM331		✓		✓	✓	✓

ELECTRIFIED LOCK CASE ONLY

MODEL #
NM316
NM317
NM318
NM319
NM320
NM321
NM322
NM323
NM324
NM325
NM326
NM327
NM328
NM329
NM330
NM331

▶ *Electrified Mortise Lock Case can be purchased separately. Refer to table above for options*