

Corbin Russwin®

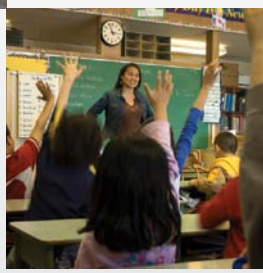
ASSA ABLOY

Smooth Operation









ML2000 Series Mortise Lock

The ML2000 Series is an ANSI/BHMA Grade 1 mortise lock designed to withstand the most abusive environments. Constructed of heavy-gauge steel with unique, patented features and a full range of functions and trim, the ML2000 Series separates itself from the competition. Its innovative design creates a versatile and reliable product that is one of a kind and complements any application.

BHMA™ CERTIFIED

ASSA ABLOY, the global leader in door opening solutions



Key Advantages:

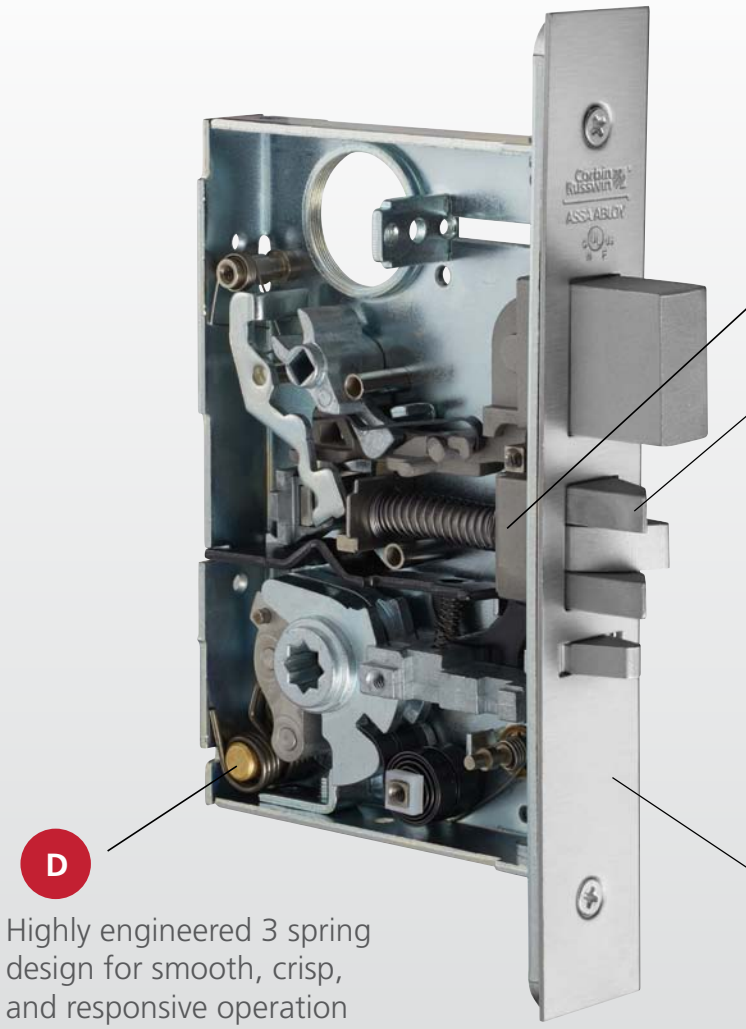
A ML2000 Series provides greater engagement of the latchbolt within the case, withstanding greater abuse from heavy impacts and unauthorized entry.

B ML2000 Series maintains greater security of the door opening, even with excessive door gaps, through more engagement of the latchbolt with the strike.

C ML2000 Series fastens the front to the lockbody case to minimize stress on the lock attaching points, ensuring long life and maximum durability.

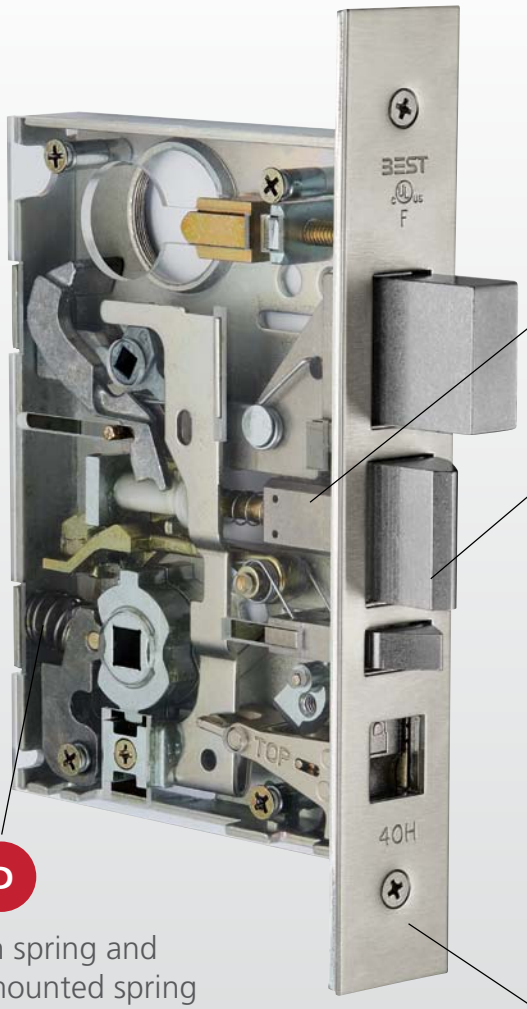
D ML2000 Series spring design contains all parts within the lockbody, reducing complexity and simplifying installation.

Corbin Russwin ML2000 Series



D Highly engineered 3 spring design for smooth, crisp, and responsive operation

Best
45H Series



3/4" engagement with lockbody

A

B

Heavy-duty, two-piece 3/4" anti-friction latchbolt throw; fully retracts when lever rotated; requires less force to close door

C

Adjustable front to accommodate square or beveled doors

D

Lever return spring and externally mounted spring cartridge

5/16" engagement with lockbody

A

B

1/8" bevel on end of latch; extended 1/8" when lever rotated; narrow cross section

C

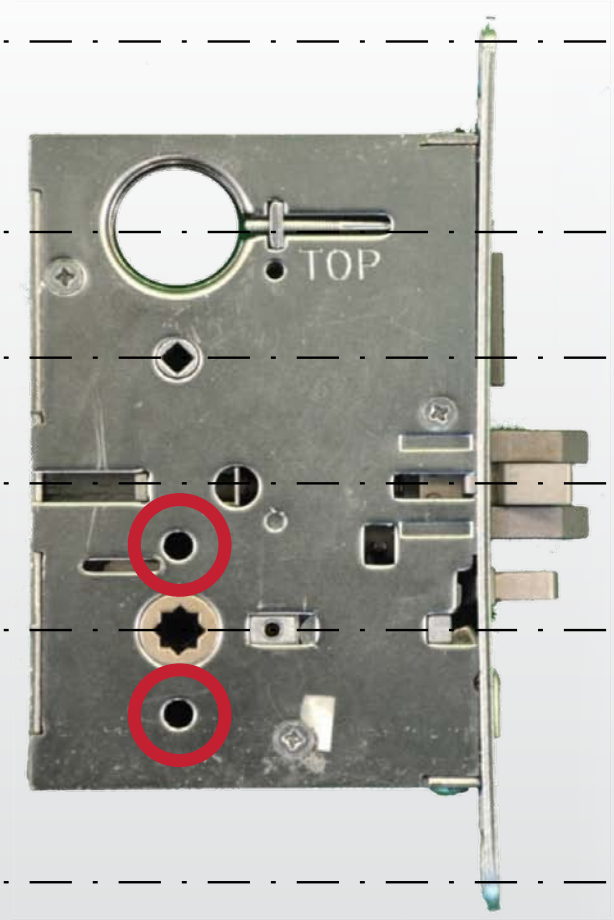
Free floating front



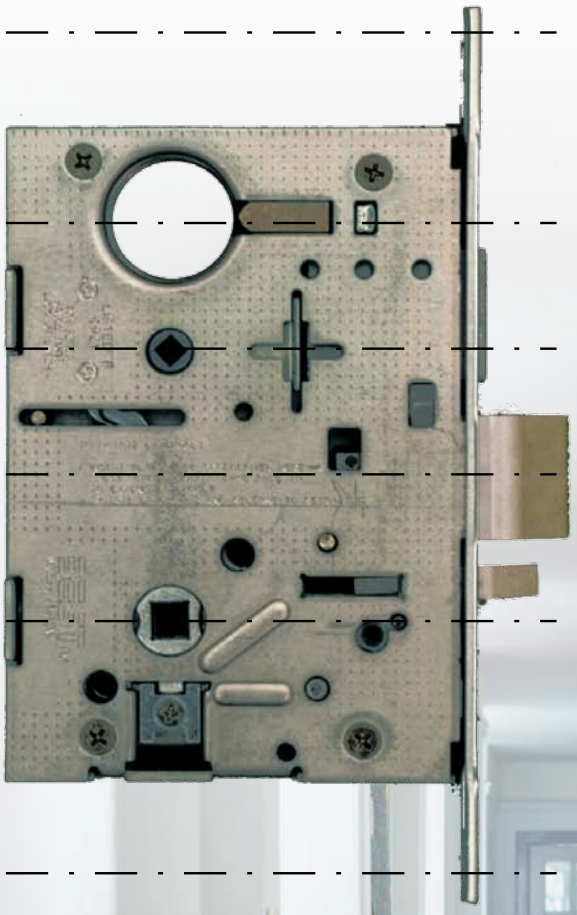
Retofit Compatibility

The ML2000 Series easily retrofits into the mortise pocket of the Best 45H Series. All that is needed are two new thrubolt holes to accommodate the Corbin Russwin trim.

Corbin Russwin ML2000 Series



Best 45H Series



Features

	Corbin Russwin	Best
	ML2000 Series	**45H Series**
ANSI/BHMA Certified Operational Grade 1 (A156.13)	Yes	Yes
ANSI/BHMA Certified Security Grade 1 (A156.13)	Yes	No
UL Listed (3 Hour)	Yes	Yes
Buy American Act	Yes	Unknown
Windstorm Certified	Yes	Yes
Door Thickness	1-3/8" - 4"	1-3/4" - 5"
Hub Material	Steel	Stainless Steel
Spindle Size	5/16"	Unknown
Through Connected Spindles	Yes	Yes
Field Reversible Handing	Yes	Yes
Quick Change Hand/Locking	Yes	Yes
Thru-bolt Trim	Yes	Yes
Electrified Functions	Yes (18)	Yes (12)
Electrified Options	Yes	Yes
2pc. Anti Friction Latchbolt	Yes	No
Number of Mechanical Functions	41	28
Multi-Function Lockbody	Yes	Yes
Number of Finishes	13	13
Antimicrobial Finish Coating	Yes	Yes
Lever Designs	59	44
Security or Patented Keying	Yes	Yes
SFIC	No	Yes
Behavioral Health Trim Options	4	1
Cylinder Options	10	5
Key System Options	9	6
Electrified Lockset	Actuator	Solenoid
Power Usage	15mA holding current draw	450mA continuous duty
Field Selectable Fail Safe/Fail Secure	Yes	No
Request to Exit	Yes	Yes
Latchbolt Monitoring	Yes	Yes
Security Monitoring	Yes	No
End of Line Resistors	Yes	No
Deadbolt Privacy Function	Yes	No
Latchbolt Engagement Case	3/4"	5/16"
Full Latchbolt Retraction	Yes	No
Latchbolt Design	One Piece Design; All Metal	Pinned Together
Lever Return Springs	3	1
Axial Load Test	1929 lbf	1540 lbf
Detention Impact Testing; Latchbolt Only (Blows to Failure)	193	4
Detention Impact Testing; Latchbolt & Deadbolt (Blows to Failure)	600	439





Functions

		ANSI/ BHMA No.	Corbin Russwin ML2000 Series	Best 45H Series
No Cylinder	Dummy – Trim One Side	–	ML2050	–
	Dummy – Trim Both Sides	–	ML2070	–
	Dummy - Trim One Side x Active Trim	–	ML2080	–
	Dummy – Trim Both Sides x Active Trim	–	ML2090	–
	Exit or Communicating	F31	–	NX
	Passage or Closet Latch	F01	ML2010	N
	Privacy, Bedroom or Bath	F02	ML2020	LT
	Privacy, Bedroom or Bath (No Deadbolt)	F22	ML2060	–
	Privacy, Bedroom or Bath (Simultaneous Retraction)	F19	ML2030	L
Single Cylinder	Apartment Corridor Door	F20	ML2067	AB
	Apartment, Exit or Public Toilet – Thumbturn	F10	ML2048	–
	Classroom	F05	ML2055	R
	Classroom	–	ML2003	–
	Classroom Deadlock	F29	ML2017	RD
	Classroom Security No Inside Cylinder	–	ML2073	–
	Classroom with Holdback	F06	ML2056	RHB
	Deadlock – Single Cylinder with Thumbturn	F17	ML2013	AD
	Deadlock – Single Cylinder x No Thumbturn	F18	ML2011	TD
	Dormitory or Exit – Single Cylinder x Simultaneous Retraction x No Toggle	F13	ML2065	T
	Dormitory or Exit – Single Cylinder x Simultaneous Retraction x Rigid Outside Lever	–	–	TD
	Dormitory or Exit – Single Cylinder x Simultaneous Retraction x Toggle	F12	–	TA
	Entrance x Hold Back x Thumbturn No Toggle	–	ML2058	–
	Entrance x Thumbturn x No Toggle	–	ML2053	–
	Entry – With Toggle	F04	ML2051 ML2054	A/AT
	Exit – Single Cylinder x No Outside Trim	–	–	XR
	Front Door	F08	ML2048	–
	Hotel Guest	F15	ML2029 x M19	H/HJ
	Hotel/Motel High Security x Rigid Knob Only	–	ML2029HS	–
	Institutional Privacy	F26	ML2069	–
	Privacy/Apartment x No Deadbolt, Closing Door Unlocks Outside Lever	–	ML2068	–
	Room Door	F21	ML2024	–
	Security Entrance x Single Cylinder x Thumbturn	–	ML2075	–
	Storeroom or Closet – Single Cylinder with Deadbolt x Rigid Outside Trim	–	ML2059	–
	Storeroom or Closet – Single Cylinder x No Deadbolt	F07	ML2057	D
	Storeroom Single Cylinder Rigid Lever Outside, No Inside Trim	–	–	ZD





Functions

		ANSI/ BHMA No.	Corbin Russwin ML2000 Series	Best 45H Series
Double Cylinder	All Purpose – Double Cylinder x Holdback x No Outside Trim	–	–	XRHB
	Apartment, Exit or Public Toilet – Double Cylinder x No Deadbolt	F09	ML2042	C
	Asylum or Institutional	F30	ML2032	W
	Asylum or Institutional – Double Cylinder Storeroom with Toggle x Deadbolt	F35	–	S
	Classroom Security Intruder – No Deadbolt, Double Cylinder	–	ML2002	–
	Classroom Security Intruder – With Deadbolt, Outside Trim Remains Locked	–	ML2072	–
	Deadlock – Double Cylinder	F16	ML2012	WD
	Dormitory or Exit – Double Cylinder	F11	–	–
	Double Cylinder Dummy trim Active, No Latch	–	ML2090	–
	Double Cylinder x No Deadbolt x Outside Trim with Holdback	–	–	CHB
	Institutional With Deadbolt x Double Cylinder	–	ML2092	–
	Intruder Deadbolt	F34	–	INA
	Intruder Deadbolt x Double Cylinder	F33	ML2062	IND
	Intruder Latchbolt	F32	ML2052	NL
	Store Door	F14	ML2022	G
Electrified Options	Request to Exit Switch	–	QC-M92	Suffix-RQE
	Latchbolt Monitor	–	QC-M91	–
	Deadbolt Monitor	–	QC-M105	–
Fail Safe	No Cylinder x Outside Lever Locked with Power On	–	ML20907 x SAF	NXEL
	No Cylinder x Both Levers Locked with Power On	–	ML20915 x SAF	-
	No Cylinder with Deadbolt x Outside Lever Locked with Power On	–	–	LEL
	Single Cylinder x Outside Lever Locked with Power On (Basic Function)	–	ML20906 x SAF	DEL
	Single Cylinder x Both Levers Locked with Power On	–	ML20914 x SAF	-
	Double Cylinder x Outside Lever Locked with Power On	–	–	-
	Double Cylinder x Both Levers Locked with Power On	–	ML20932 x SAF	WEL
	Single Cylinder with Deadbolt x Outside Lever Locked with Power On	–	–	TDEL
	Double Cylinder with Deadbolt x Both Levers Locked with Power On	–	–	TWEL
Fail Secure	No Cylinder x Outside Lever Unlocked with Power On	–	ML20907 x SEC	NEXU
	No Cylinder x Both Levers Unlocked with Power On	–	ML20915 x SEC	–
	No Cylinder with Deadbolt x Outside Lever Unlocked with Power On	–	–	LEU
	Single Cylinder x Outside Lever Unlocked with Power On (Basic Function)	–	ML20906 x SEC	DEU
	Single Cylinder x Both Levers Unlocked with Power On	–	ML20914 x SEC	–
	Double Cylinder x Outside Lever Unlocked with Power On	–	–	–
	Double Cylinder x Both Levers Unlocked with Power On	–	ML20932 x SEC	WEU
	Single Cylinder with Deadbolt x Outside Lever Unlocked with Power On	–	–	TDEU
	Double Cylinder with Deadbolt x Both Levers Unlocked with Power On	–	–	TWEU
High Security Monitoring Fail Safe	No Cylinder x Outside Lever Locked with Power On	–	ML20607 x NAC x SEC	–
	No Cylinder with Deadbolt x Outside Lever Locked with Power On	–	ML20609 x NAC x SEC	–
	Single Cylinder x Outside Lever Locked with Power On (Basic Function)	–	ML20606 x NAC x SEC	–
	Single Cylinder with Deadbolt x Outside Lever Locked with Power On	–	ML20608 x NAC x SEC	–
High Security Monitoring Fail Secure	No Cylinder x Outside Lever Unlocked with Power On	–	ML20607 x NAC x SEC	–
	No Cylinder with Deadbolt x Outside Lever Unlocked with Power On	–	ML20609 x NAC x SEC	–
	Single Cylinder x Outside Lever Unlocked with Power On (Basic Function)	–	ML20606 x NAC x SEC	–
	Single Cylinder with Deadbolt x Outside Lever Unlocked with Power On	–	ML20608 x NAC x SEC	–

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Corbin Russwin

ASSA ABLOY

FEATURES

- Heavy duty, all metal construction
- Optimized performance for consistent torque and force during lever rotation
- Smooth, crisp, and responsive lever return with constant force (torque) – eliminating lever sag
- Available in 59 mechanical and electrified functions, including vandal resistant and behavioral health options; 59 standard and Muséo Collection decorative lever designs; and 13 finishes
- Easily retrofits with the Stanley Best 45H Series lock by simply drilling (2) thrubolt holes
- Integrates with new or existing Corbin Russwin key systems, including patented/high security Access 3® and Pyramid
- Integrates with access control platforms
- Occupancy indicators available
- Ten year warranty

BENEFITS

- **Innovative Design:** Optimized torsion spring design and fewer moving parts give the lock extremely smooth and consistent operations
- **Flexible:** Field reversible latchbolt makes it easy to re-hand without disassembling the lock case
- **Safe and Secure:** Withstands unauthorized entry attempts and abuse, featuring specialized security trim and components
- **Lower Total Cost of Ownership:** Far exceeds ANSI/BHMA Grade 1 requirements ensuring durability and longevity
- **Sustainable:** EcoFlex® electrified lockset uses 96% less power to operate; Environmental Product Declaration (EPD) in accordance with ISO14025



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