Corbin Russwin

ASSA ABLOY

ML2000 Series

Mortise Locksets



ASSA ABLOY, the global leader
in door opening solutions

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Overview

ML2000

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Quality

The ML2000 series is a Grade 1 mortise lock designed to meet the rigors of high-traffic commercial, institutional, industrial and government applications. Constructed of heavy-gauge steel, the lockbody features our patented Quick Reversible latchbolt, and a 1" stainless steel deadbolt. A wide variety of trim designs and functions and a 10-year warranty lend to the ML2000's versatility and reliability, making it the ideal choice for use in offices, schools, hospitals, hotels and other high-use applications.

Security

Further discourage intrusion and abuse with the ML2000HS (High Security) or ML2000VR (Vandal Resistant) series mortise lock. Both locks feature vandal-resistant stainless steel escutcheons with tapered edges and Torx® pin tamper resistant screws. When matched with Corbin Russwin patented high-security Pyramid cylinders, any door can become a formidable barrier to intruders.

Aesthetics

Complement any application with the full range of trim designs and finishes offered with ML2000 Series. From stainless steel security trims to bright brass Vineyard™ levers, design continuum can be achieved without forfeiting aesthetics. For additional information regarding designer trim, see the Corbin Russwin Vineyard™ Collection and Muséo® Collection catalogs.

Key Advantages

- Patented Quick Reversible feature enables reversal of hands without disassembling the lock case (Patent # 6,349,982)
- Security trims provide a vandal-resistant barrier
- Can be used with new or existing Corbin Russwin key systems, including patented high-security Pyramid cylinders. (Patent # 6,125,674) Also accepts cylinders of most other manufacturers.
- Provides life safety and security in a single door prep, saving the additional cost of a deadlock
- Through-bolted trim designs for proper alignment and increased security

Features

ML2000

Features

Handing
Handed; quick reversible. The lockset can be re-handed without disassembling the lock case; see page 66.

Door Thickness
1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 66.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).
Optional: non-ferrous lockcase for corrosion resistance; see Quick Codes, page 66.

Front
Heavy-gauge steel, 8" (203mm) x 1-1/4" (32mm) x -3/32" (2mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm). Furnished 1-1/16" (27mm), optional D138, wide for 1-3/8" (35mm) doors.

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front. ML2000HS & ML2000VR utilizes security Torx® screws.

Latchbolt
2-piece mechanical with anti-friction insert, 5/8" (16mm) x 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Deadbolt
One-piece stainless steel, 19/32" (15mm) x 1-1/4" (32mm) x 1" (25mm) throw.

Occupancy Indicator
Occupancy indicators for use with ML2000 x sectional trim. Design features option for dual indicators on double cylinder functions, confirming door is secured from either side. Emergency override standard for all non-keyed functions.

Hub
- Knob: stainless steel, 9/32" (7mm) x 9/32" (7mm). (HS) 3/8" (10mm) stainless steel.
- Lever: steel, 5/16" (8mm). (Including (VR))

Spacing
C. to c. knob/lever to cylinder: 3-5/8" (92mm).
C. to c. knob/lever to thumbturn: 2-7/16" (62mm).

Strike
Wrought brass, bronze or stainless steel, ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 66.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard.
Brass, fixed 6-pin conventional fixed core cylinder, L4 keyway standard for ML2000HS.
Optional cylinders available; see Quick Codes, page 65.

Keys
Two nickel silver standard.

Keying Features Available
Master keying
Construction master keying
Visual key control
Concealed key control
Plug only to show (concealed shell)
7-pin cylinder
Security cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Pyramid IC
Master ring cylinder
Blockout cylinder
Flex head cylinder

Warranty
Ten-year limited.

Certification/Compliance

ANSI
Meets A156.13 Series 1000, Operational and Security Grade 1.
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

UL/ULC-UL10C Positive Pressure
All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair (3 hour fire door). Letter F and UL symbol on armored front indicate listing.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns, return to within 1/2" (13mm) of door face.

Windstorm/Hurricane
Certified (refer to local codes).

(HS) Indicates ML2000HS (High Security) availability.
(VR) Indicates ML2000VR (Vandal Resistant) availability.

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Features

ML2000

Finishes

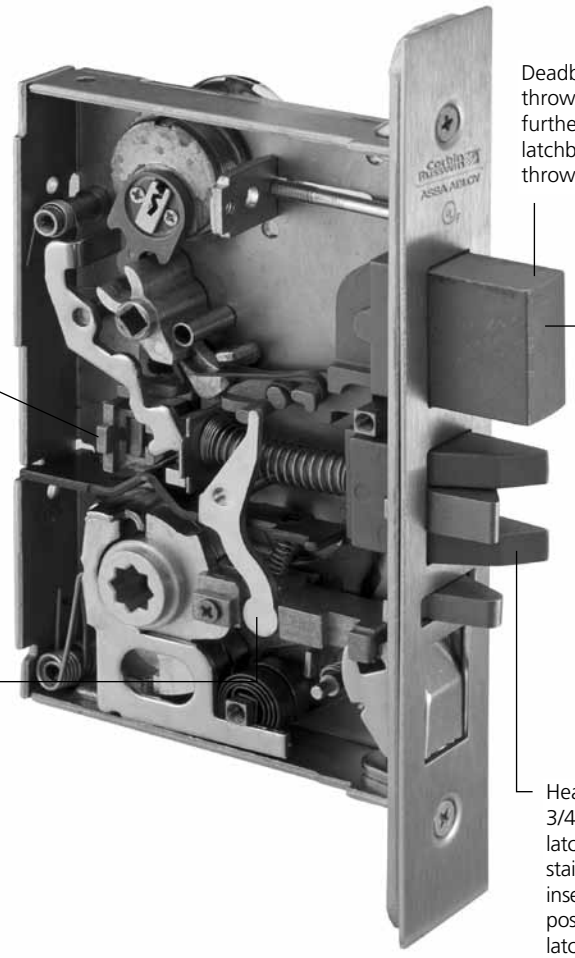
BHMA 605 (US3)	(HS)	Bright Brass
605-E*		Bright brass, Infini-T® (Vineyard™ Trim Only)
606-E*		Satin brass, Infini-T® (Vineyard™ Trim Only)
BHMA 606 (US4)	(HS)	Satin Brass
BHMA 611 (US9)	(HS)	Bright Bronze
BHMA 612 (US10)	(HS)	Satin Bronze
BHMA 613 (US10B)	(HS)	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618 (US14)		Bright Nickel Plated
BHMA 619 (US15)		Satin Nickel Plated
BHMA 625 (US26)	(HS)	Bright Chromium Plated
BHMA 626 (US26D)	(HS)	Satin Chromium Plated
626C	(HS)	Satin Chromium Plated with MicroShield®
BHMA 629 (US32)		Bright Stainless Steel
BHMA 630 (US32D)	(VR)	Satin Stainless Steel
630C	(VR)	Satin Stainless Steel with MicroShield®
BHMA 722	(HS)	Black Oxidized Bronze, oil rubbed

***Available with Vineyard™ Collection trim only. Infini-T® finish is a technologically advanced finish produced by a coating technology called Physical Vapor Deposition (PVD). Infini-T® provides the ultimate surface protection against the elements and everyday wear and tear.**

Infini-T

Vineyard™ collection

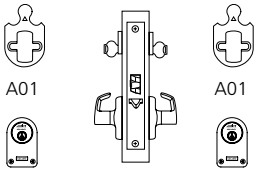
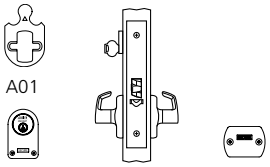
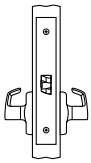
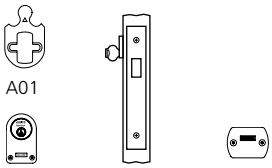
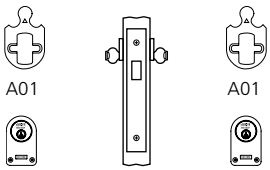
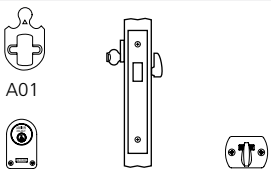
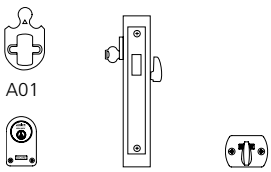
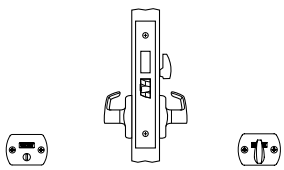
BHMA CERTIFIED



(HS) Indicates ML2000HS (High Security) availability.
(VR) Indicates ML2000VR (Vandal Resistant) availability.

Functions

ML2000

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
 A01	A01	ML2002 (HSS)	Classroom Intruder		• Latchbolt by grip either side, unless outside grip is locked by key either side. • Outside grip locked or unlocked by cylinder either side. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
 A01		ML2003 (HSS)	Classroom		• Lock or unlock outside grip by key. • Latchbolt by grip either side, unless outside grip is locked. • Inside grip always free. • Auxiliary latch deadlocks latch.
		ML2010 (HS) (VR) (HSS)	Passage or Closet	F01	• Latchbolt by grip either side. • Both grips always free.
 A01		ML2011 (VR) (HSS)	Deadlock	F18	• Deadbolt by key outside. • No inside operation.
 A01	A01	ML2012 (HSS)	Deadlock	F16	• Deadbolt by key either side.
 A01		ML2013 (HSS)	Deadlock	F17	• Deadbolt by key outside or by thumbturn grip inside.
 A01		ML2017 (HSS)	Classroom Deadlock	F29	• Deadbolt by key outside. • Thumbturn grip inside retracts deadbolt only; will not project deadbolt.
		ML2020 (HS) (VR) (HSS)	Privacy Bedroom or Bathroom	F02	• Latchbolt by grip* either side, when deadbolt is retracted. • Deadbolt by thumbturn grip inside or by emergency release tool outside. • No simultaneous deadbolt and latch retraction • Non-panic release • Not available with M19S ro M19SN

 Indicates Indicator option is available

 Indicates Indicator option is available

* When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

(HS) Indicates function availability in ML2000HS.

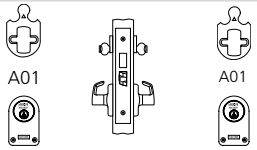
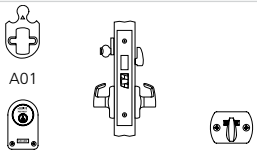
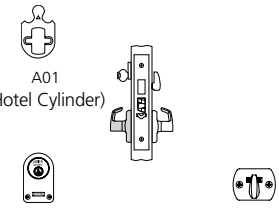
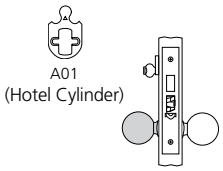
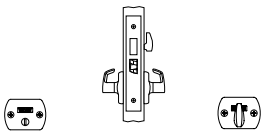
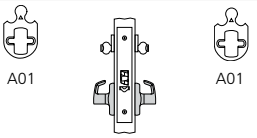
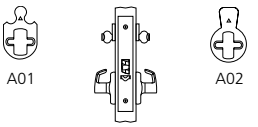
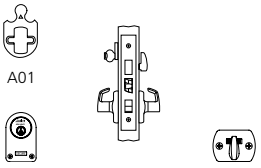
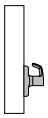
(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim

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Functions

ML2000

Outside Inside	Series/Function	Type	ANSI No.	Function Description
 A01 A01	ML2022 (HS) (VR) (HSS)	Store Door	F14	• Latchbolt by grip* either side when deadbolt is retracted. • Deadbolt by key either side. • Non-panic release. • No simultaneous deadbolt and latch retraction
 A01	ML2024 (HS) (VR) (HSS)	Entrance or Storeroom	F21	• Latchbolt by grip* either side when deadbolt is retracted. • Deadbolt by key outside or by thumbturn grip inside. • Non-panic release. • No simultaneous deadbolt and latch retraction
 A01 (Hotel Cylinder)	ML2029 (VR)	Hotel or Motel	F15	• Latchbolt by grip inside and by guest key or master key outside. • Outside grip always rigid. • Deadbolt by thumbturn grip inside or by emergency key outside. • Inside grip simultaneously retracts latchbolt and deadbolt. • Emergency key shuts out all other keys. • Auxiliary latch deadlocks latchbolt. Note: Indicator shows deadbolt position only
 A01 (Hotel Cylinder)	ML2029HS (HS)	Hotel or Motel	—	• Latchbolt by grip inside and by guest key or master key outside. • Outside grip always rigid. • Emergency key throws deadbolt, shutting out all other keys and preventing exit from inside. • Auxiliary latch deadlocks latchbolt. Note: Indicator shows deadbolt position only
	ML2030 (HS) (VR)	Privacy Bedroom or Bathroom	F19	• Latchbolt by grip either side unless outside grip locked by thumbturn • Deadbolt by thumbturn grip inside or by emergency release tool outside. • Inside grip simultaneously retracts latchbolt and deadbolt and unlocks outside grip. • Not available with M19S or M19SN
 A01 A01	ML2032 (HS) (VR) (HSS)	Institution or Utility	F30	• Latchbolt by key either side. • Both grips always rigid. • Auxiliary latch deadlocks latchbolt. Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.
 A01 A02	ML2042 (HS) (VR) (HSS)	Entrance or Public Restroom	F09	• Latchbolt by grip either side, unless outside grip is locked by key from inside. • Latchbolt by key outside when outside grip is locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
 A01	ML2048 (HS) (VR)	Entrance or Apartment	F08 F10	• Latchbolt* by key outside or by grip either side, unless outside grip is locked by toggle-action stop. • Deadbolt by key outside or by thumbturn grip inside. • Inside grip free when deadbolt is retracted. • Non-panic release. • No simultaneous deadbolt and latch retraction Note: Indicator shows deadbolt position only
	ML2050	Half Dummy Trim	—	• Grip acts as pull only; no operation.

Indicates Indicator option is available

Indicates Indicator option is available

* When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

(HS) Indicates function availability in ML2000HS.

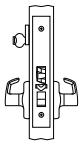
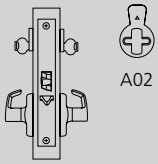
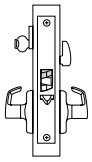
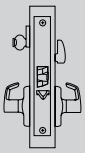
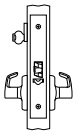
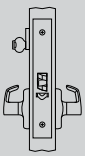
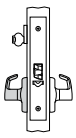
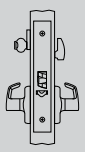
(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

Indicates rigid grip.

Functions

ML2000

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
A01		ML2051 (HS) (VR) (HSS)	Entrance or Office	F04	• Latchbolt by key when outside grip locked by toggle action stop. • Latchbolt by grip either side, unless outside grip is locked by toggle-action stop. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A02	 A02	ML2052 (HSS)	Classroom Intruder	F32	• Latchbolt by grip either side, unless outside grip is locked by key either side. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. • Outside grip remains locked unless unlocked by key either side. Note: Not available with indicator, specify ML2002.
A02		ML2053 (HSS)	Entrance or Office	—	• Latchbolt by grip either side, unless outside grip is locked or unlocked by key or thumbturn. • Unlocked by key or thumbturn. • Outside grip locked or unlocked by key or thumbturn. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A01		ML2054 (HSS)	Entrance or Office	F04	• Latchbolt by grip either side, unless outside grip is locked. • Outside grip locked or unlocked by thumbturn. • Latchbolt by key when outside grip locked. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A02		ML2055 (HS) (VR) (HSS)	Classroom	F05	• Latchbolt by grip either side, unless outside grip is locked by key outside • Latchbolt by key when outside grip unlocked • Auxiliary latch deadlocks latchbolt • Inside grip always free • Outside grip remains locked unless unlocked by key Note: Not available with indicator, specify ML2003
A02		ML2056 (HSS)	Classroom Holdback	F06	• Latchbolt by grip either side, unless outside grip is locked or unlocked by key. • Latchbolt by key outside when outside grip is locked. • Latchbolt can be held in a retracted position by key, or released by key. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. Note: Not approved for use on U.L. fire listed applications.
A01		ML2057 (HS) (VR) (HSS)	Storeroom or Closet	F07	• Latchbolt by grip inside or by key outside. • Outside grip always rigid. • Auxiliary latch deadlocks latchbolt. • Inside grip always free.
A02		ML2058 (HSS)	Entrance or Office Holdback	—	• Latchbolt by grip either side, unless outside grip is locked. • Outside grip locked or unlocked by key or thumbturn. • Latchbolt retracted by key outside when outside grip is locked. • Latchbolt can be held in a retracted position by key or thumbturn, or released by key or thumbturn. • Auxiliary latch deadlocks latchbolt. • Inside grip always free. Note: Not approved for use on U.L. fire listed applications.

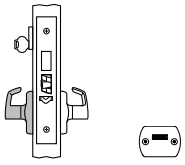
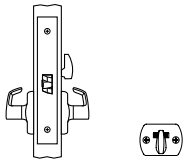
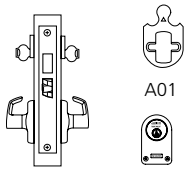
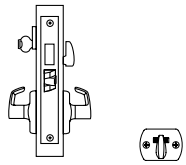
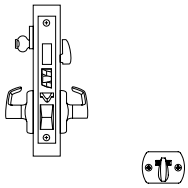
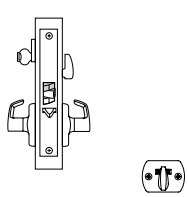
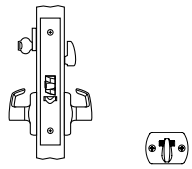
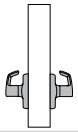
 Indicates rigid grip.

(HS) Indicates function availability in ML2000HS.
(VR) Indicates function available in Vandal Resistant Trim.
(HSS) Indicates function available in Anti-Harm Trim.

Corbin Russwin
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Functions

ML2000

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
A01		ML2059	Security Storeroom or Closet	—	• Latchbolt and deadbolt by grip inside or by key outside • Inside grip simultaneously retracts deadbolt & latchbolt • Outside grip always rigid • Auxiliary latch deadlocks latchbolt • Inside grip always free Note: Indicator shows deadbolt position only
		ML2060 (HSS)	Privacy	F22	• Latchbolt by grip either side, except when outside grip is locked by thumbturn inside. • Operating inside grip, closing door or operating emergency key outside unlocks outside grip. • Inside grip always free. • Not available with M19S or M19SN
A01	 A01	ML2062	Intruder Deadbolt	F33	• Latchbolt by grip either side, unless outside grip is locked by projection of deadbolt • Deadbolt thrown or retracted by key from either side • Inside grip simultaneously retracts latchbolt and deadbolt and unlocks outside grip • Inside grip always free
A01		ML2065 (HS) (VR)	Dormitory or Entrance	F13	• Latchbolt by grip either side unless outside grip locked by projection of deadbolt. • Deadbolt thrown or retracted by key outside or by thumbturn grip inside. • Inside grip simultaneously retracts latchbolt and deadbolt and unlocks outside grip. • Inside grip always free.
A01		ML2067 (HS) (VR)	Apartment or Dormitory	F20	• Latchbolt by grip either side, unless outside grip is locked by toggle-action stop or by projection of deadbolt. • Deadbolt thrown or retracted by key outside or by thumbturn grip inside. • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked. • Auxiliary latch deadlocks latchbolt. • Outside grip unlocked by toggle-action stop Note: Occupancy Indicator shows deadbolt position only
A01		ML2068 (HSS)	Privacy or Apartment		• Latchbolt by grip either side, unless outside grip is locked • Outside grip locked or unlocked by key or thumbturn • Operating inside grip, closing the door or using key unlocks outside grip • Inside grip always free • Auxiliary latch deadlocks latch
A02		ML2069 (HSS)	Institutional Privacy	F26	• Latchbolt by grip either side, except when outside is locked by thumbturn inside. • Operating inside grip or closing door unlocks outside grip. • Key outside retracts latch at all times, even if thumbturn is held in locked position. • Auxiliary latch deadlocks latchbolt.
		ML2070	Full Dummy Trim	—	• Grips act as pulls only; no operation.

Indicates Occupancy Indicator option is available

Indicates Indicator option is available

(HS) Indicates function availability in ML2000HS.

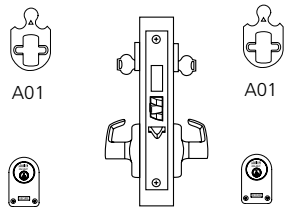
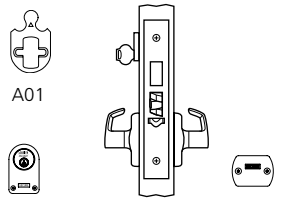
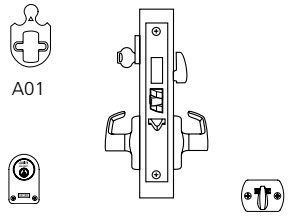
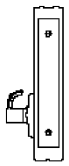
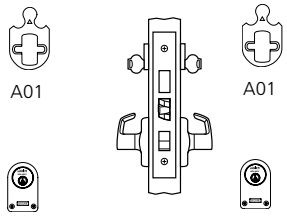
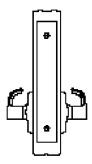
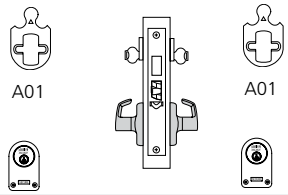
(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

Indicates rigid grip.

Functions

ML2000

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
 A01	A01	ML2072 (HS) (VR)	Classroom Intruder	—	• Latchbolt by grip from either side unless outside grip is locked by projection of deadbolt • Deadbolt thrown or retracted by key from either side • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked • Key either side unlocks outside grip; outside grip remains locked unless unlocked by key • Auxiliary latch deadlocks latchbolt Note: Indicator shows deadbolt position only
 A01		ML2073 (HS) (VR)	Classroom Security	—	• Latchbolt by grip from either side unless outside grip is locked by projection of deadbolt • Deadbolt thrown or retracted by key • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked • Key unlocks outside grip; outside grip remains locked unless unlocked by key • Auxiliary latch deadlocks latchbolt Note: Indicator shows deadbolt position only
 A01		ML2075 (HS) (VR)	Security Entrance or Office	—	• Latchbolt by grip from either side unless outside grip is locked by projection of deadbolt • Deadbolt thrown or retracted by outside key or inside thumbturn • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked • Key unlocks outside grip; outside grip remains locked unless unlocked by key • Auxiliary latch deadlocks latchbolt Note: Indicator shows deadbolt position only
		ML2080	Half Active Dummy Trim	—	• Non-latching operation • Grip always active; acts as push or pull only
 A01	A01	ML2082 (HS) (VR)	Dormitory or Exit	F11	• Latchbolt by grip either side, unless outside grip is locked by toggle-action stop or by projection of deadbolt • Deadbolt thrown by key from either side • Deadbolt and latchbolt retracted by outside key when outside grip locked • Outside grip unlocked by toggle-action stop • Inside grip simultaneously retracts latchbolt and deadbolt; outside grip remains locked Note: Indicator shows deadbolt position only
		ML2090 (HSS)	Full Active Dummy Trim	—	• Non-latching operation • Both grips always active; acts as push or pulls only
 A01	A01	ML2092 (HS) (VR) (HSS)	Security Institution or Utility	—	• Latchbolt by key either side • Deadbolt thrown and retracted by key either side • Auxiliary latch deadlocks latchbolt • Inside and outside grips remain locked at all times Note: Indicator shows deadbolt position only Note: This function does not allow free egress and can pose a life safety hazard in event of an emergency. Installation should be in accordance with approved codes only.

 Indicates rigid grip.

 Indicates Indicator option is available

(HS) Indicates function availability in ML2000HS.

(VR) Indicates function available in Vandal Resistant Trim.

(HSS) Indicates function available in Anti-Harm Trim.

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Applications

ML20900 ECL

ML20900 ECL Series
Electrified Mortise Lockset

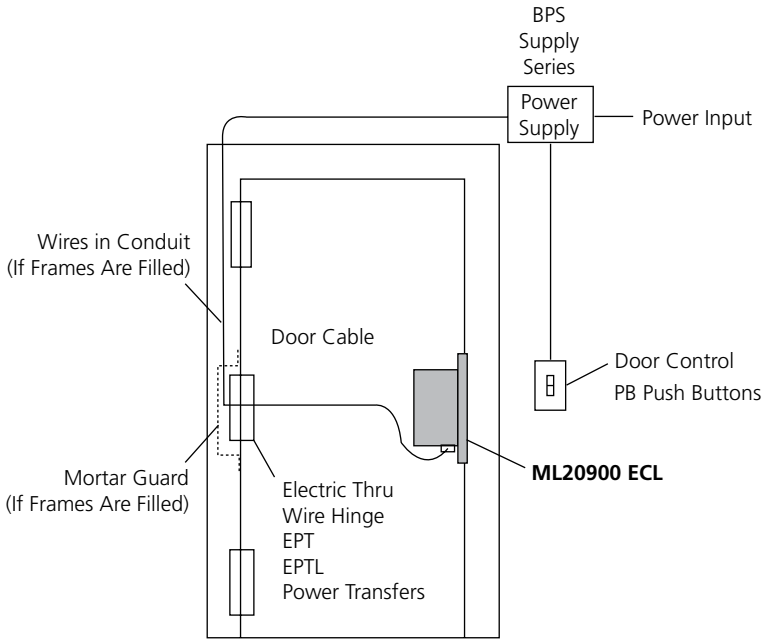
Simplicity
Combine simplicity and access control with the Corbin Russwin ML20900 ECL series electrically controlled mortise lock. Utilizing the proven ML2000 Series mortise lockset with the patented quick reversible latchbolt, the ML20900 series provides solenoid-operated remote locking and unlocking. The self-contained integral continuous-duty solenoid allows installation in standard mortise prep with slight modification by door manufacturer. The ML20900 ECL is ideal for use where increased security is necessary at all times, such as tenant space, pharmacies, computer rooms, and high security areas.

Security
In applications where increased security is required, look no further than the ML2000VR Vandal Resistant Trim. This cast stainless steel trim features tapered edges, double through bolts, torx-pin tamper resistant screws and the lever remains attached to the escutcheon when the spindle is broken. Also available is the patented Pyramid cylinder from Corbin Russwin, the most secure locking system available. Pyramid is especially recommended for installations that require superior protection against picking, drilling and other surreptitious entry. See the Pyramid catalog for additional information.

Aesthetics
Access control doesn't mean a loss of visual appeal. The Vineyard™ Collection and the Muséo® Collection feature beautifully designed levers, perfect for high-profile applications where pleasing aesthetics is a must.

Key Advantages
- Available in 12 or 24 volt AC/DC
- Fail Safe or Fail Secure
- Minimal power requirements – lock is designed to lock or unlock as the situation demands
- Mechanical key override
- Patented Quick Reversible latchbolt, Patent # 6,349,982
- Full line of trims available, including the *Vineyard* Collection, the *Muséo* Collection and Vandal Resistant
- Increased security available by adding Pyramid cylinders

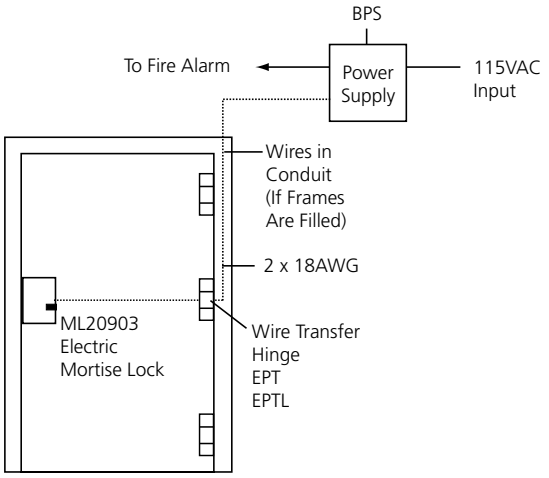
Typical Application



Typical System Components (For Reference Only)

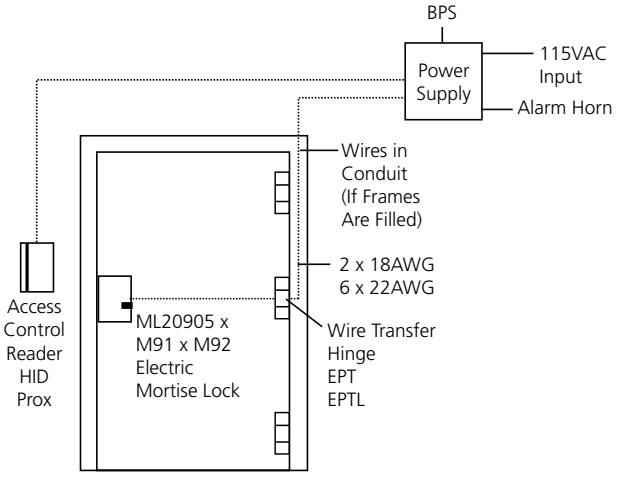
ML20900 ECL

Tower Stairwell



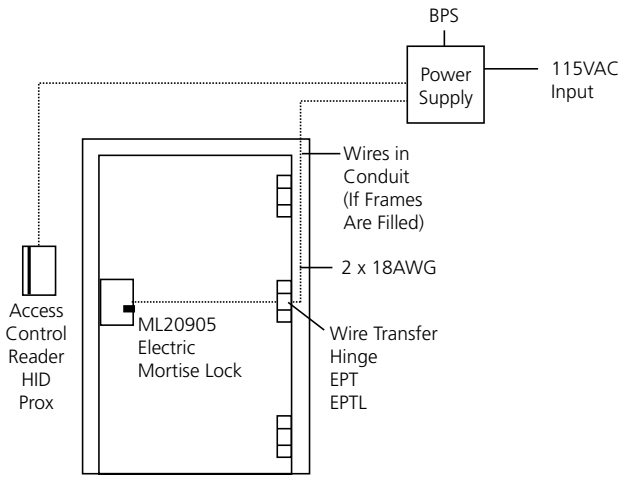
Operation:
Free egress at all times. Door is locked at all times preventing entry from the stairwell to a floor. Fire alarm activation will allow re-entry from the stairwell to the floor. Power failure will allow re-entry from the stairwell to the floor.

Controlled Entry With Alarm



Operation:
Free egress at all times. User exits through the door which triggers the M92 switch which shunts the alarm. Door is locked at all times preventing unauthorized entry. Authorized entry is permitted by presenting a valid user card. Forced entry will trigger M91 switch and activate alarm. Alarm is deactivated by a valid user card.

Access Control on Employee Entrance



Operation:
Free egress at all times. Door is locked at all times preventing unauthorized entry. Authorized entry is permitted by presenting a valid user card.

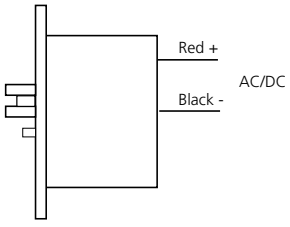
Hardwiring Made Easy® ElectroLynx®

ElectroLynx®, a system of universal Molex® plug-in connectors and standardized color-coded wiring, makes installing electrified doorway components a snap!

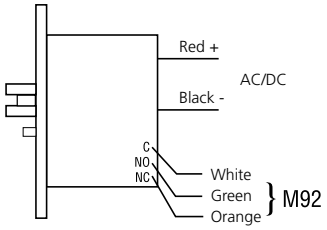


Lock Schematics

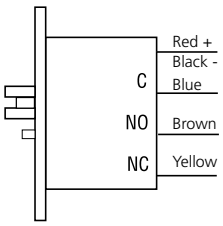
Power Leads



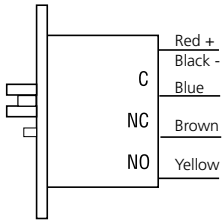
Power Leads x M92 (Request to Exit)



Power Leads x M91 (Latchbolt Monitor)



Power Leads x M105 (Security Monitor)



Consult factory for electrical system layouts, riser and wiring diagrams.

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Features

ML20900 ECL

Features

Handing
Handed; quick reversible. The lockset can be re-handed without disassembling the lockcase.

Door Thickness
1-3/4" (44mm) standard. Optional door thicknesses available; see Quick Codes, page 66.

Backset
2-3/4" (70mm).

Lockcase
Heavy-gauge steel, 5-7/8" (149mm) x 4" (102mm) x 15/16" (24mm).

Front
Heavy gauge steel, 8" (203mm) x 1-1/4" (32mm) x 3/32" (2mm).
Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Armored Front
Wrought brass, bronze or stainless steel attached by machine screws to lockcase front.

Latchbolt
2-piece mechanical anti-friction insert, 5/8" (16mm) x l" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt
9/16" (14mm) effective throw and 3/8" (10mm) effective auxiliary latch deadlocking.

Hub
- Knob: stainless steel, 9/32" (7mm) x 9/32" (7mm).
- Lever: steel, 5/16" (8mm). (Including (VR))
- (HS) 3/8" (10mm) stainless steel.

Spacing
C. to c. knob/lever to cylinder: 3-5/8" (92mm)
C. to c. knob/lever to thumbturn: 2-7/16" (62mm).

Strike
Wrought brass, bronze or stainless steel ANSI straight lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8'' (29mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 66.

Trim
Available with all ML2000 Series trim designs including the Vineyard™ Collection and the Muséo® Collection. See pages 38-50.

Cylinder
Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, page 65.

Keys
Two nickel silver standard.

Warranty
Ten-year limited warranty on ML2000 mortise lockset. Two-year limited warranty on electronic components.

See the Corbin Russwin Vineyard™ Collection catalog for warranty information on the Infini-T® finish.

Electrical Specifications (Fail Safe/Fail Secure)
12VAC/VDC @ 800mA
24VAC/VDC @ 390mA
Continuous duty solenoid.
Monitor Switch Rating: 4 amp @ 250 VAC
Note: Operating voltage not to exceed +/- 10%.
See Quick Codes, page 67.

Monitor Options
M91 - Latchbolt Monitor
Latchbolt monitoring is a SPDT switch which monitors the full extension of the main latch.
M92 - Request to Exit Monitor
Request to Exit monitoring is a SPDT switch which monitors the activation of the trim. (Both levers activate switch)
M105 - Security Monitor
Security Monitor is two switches in series that monitors lock status (locked or unlocked) and Auxiliary Latch position.

Note: Monitoring options may only be ordered together as follows: M91xM92, M92xM105.

Certification/Compliance

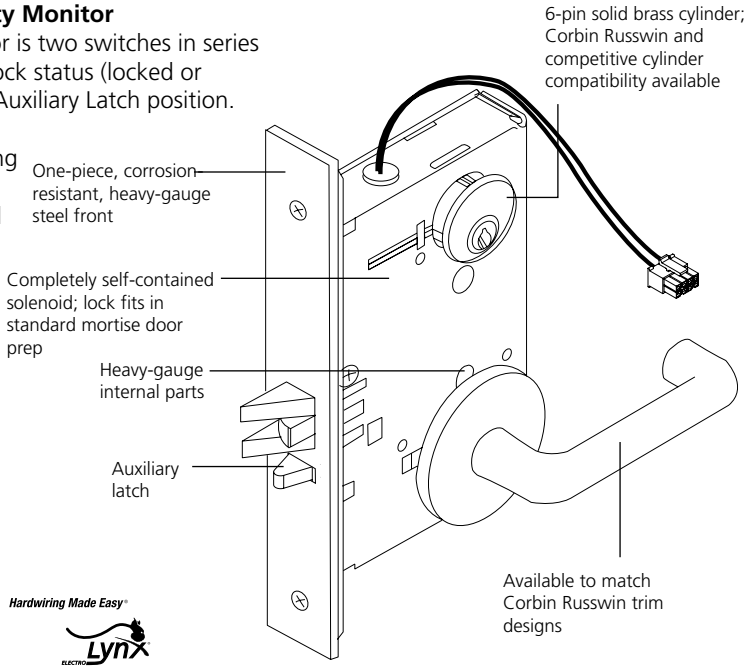
ANSI
Meets A156.13 Series 1000, operational Grade 1.
Meets A117.1 Accessibility Code.

Federal
Meets FF-H-106C.

UL /ULC
All locks listed for A label and lesser class doors, 4' x 10' single or 8' x 10' pair. Letter F and UL symbol on armored front indicate listing. Meets requirements of UL1034.

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin, Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

California State Reference Code
(Formerly Title 19, California State Fire Marshal Standard)
All levers with returns comply; levers return to within l/2" of door face.



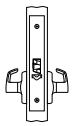
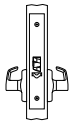
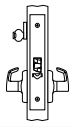
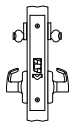
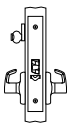
Hardwiring Made Easy®
Lynx ELECTRONICS

Functions

ML20900 ECL

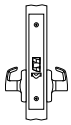
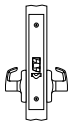
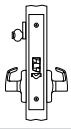
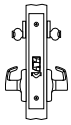
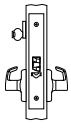
Fail Safe

The following functions are unlocked when power is off and locked when the power is on.

Outside	Inside	Series/Function	Description
		ML20910 (VR) (HS)	• Latchbolt by grip either side, unless outside grip is locked by energizing solenoid. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.
		ML20920 (VR) (HS)	• Latchbolt by grip either side, unless both grips are locked by energizing solenoid. • Auxiliary latch deadlocks latchbolt.
 A01		ML20901 (VR) (HS)	• Latchbolt by grip either side, unless both grips are locked by energizing solenoid. • Latchbolt by key outside when solenoid is energized. • Auxiliary latch deadlocks latchbolt.
 A01		 A01 ML20902 (VR) (HS)	• Latchbolt by grip either side, unless both grips are locked by energizing solenoid. • Latchbolt by key inside or outside when solenoid is energized. • Auxiliary latch deadlocks latchbolt.
 A01		ML20903 (VR) (HS)	• Latchbolt by grip either side, unless outside grip is locked by energizing solenoid. • Latchbolt by key outside when solenoid is energized. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.

Fail Secure

The following functions are locked when power is off and unlocked when the power is on.

Outside	Inside	Series/Function	Description
		ML20930 (VR) (HS)	• Latchbolt by grip either side only when solenoid is energized. • Outside grip locked when solenoid is not energized. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.
		ML20940 (VR) (HS)	• Latchbolt by grip either side only when solenoid is energized. • Both grips locked when solenoid is not energized. • Auxiliary latch deadlocks latchbolt.
 A01		ML20904 (VR) (HS)	• Latchbolt by grip either side only when solenoid is energized. • Both grips locked when solenoid is not energized. • Latchbolt by key outside when solenoid is not energized. • Auxiliary latch deadlocks latchbolt.
 A01		 A01 ML20912 (VR) (HS)	• Latchbolt by grip either side only when solenoid is energized. • Both grips locked when solenoid is not energized. • Latchbolt by key inside or outside when solenoid is not energized. • Auxiliary latch deadlocks latchbolt
 A01		ML20905 (VR) (HS)	• Latchbolt by grip either side only when solenoid is energized. • Outside grip locked when solenoid is not energized. • Latchbolt by key outside when solenoid is not energized. • Inside grip always free. • Auxiliary latch deadlocks latchbolt.

(HS) Indicates function availability in ML2000HS.

(VR) Indicates function available in Vandal Resistant Trim.

Corbin Russwin
ASSA ABLOY

Trim Designs

ML2000 and ML20900 ECL



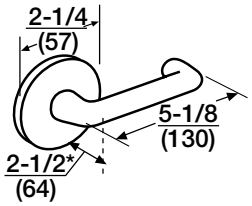
Lustra

Complies with codes requiring lever to return to within 1/2" (13mm) of door face. Brass, bronze or stainless steel.

LWA
Lever: Wrought
Rose: Wrought

LWB
Lever: Wrought
Rose: Cast



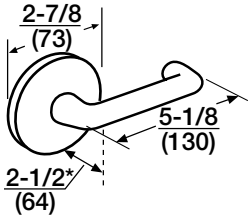


LSA
Lever: Cast
Rose: Wrought

LSB
Lever: Cast
Rose: Cast

LWF
Lever: Wrought
Rose: Cast





LSF
Lever: Cast
Rose: Cast

Dimensions:
inches
millimeters

*Dimension from face of door, not surface of rose or escutcheon.

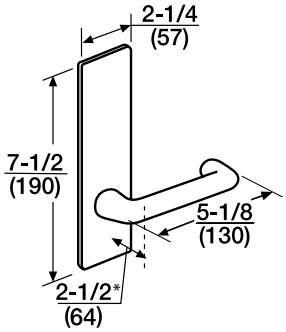
Trim Designs

ML2000 and ML20900 ECL



LWM
Lever: Wrought
Escutcheon: Wrought
Optional: Plug only to show; master ring

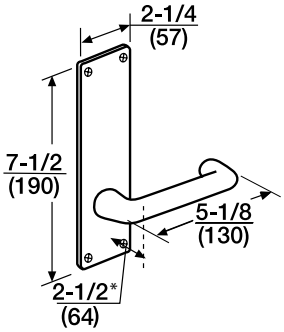
LSM
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring





LWN
Lever: Wrought
Escutcheon: Wrought

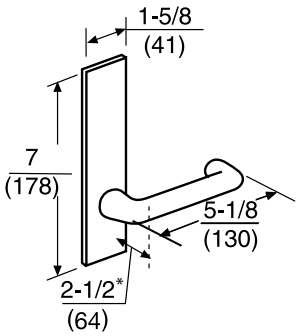
LSN
Lever: Cast
Escutcheon: Wrought





LWP
Lever: Wrought
Escutcheon: Wrought

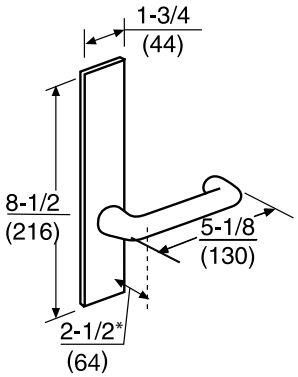
LSP
Lever: Cast
Escutcheon: Wrought





LWR
Lever: Wrought
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

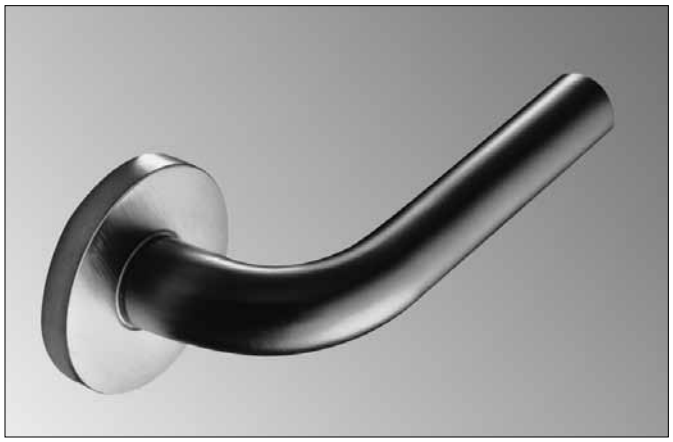
LSR
Lever: Cast
Escutcheon: Solid stainless steel, forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)



*Dimension from face of door, not surface of rose or escutcheon.

Trim Designs

ML2000 and ML20900 ECL



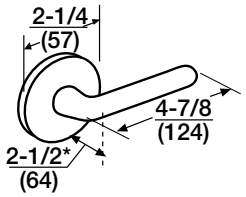
Regis

Brass, bronze or stainless steel



RWA

Lever: Wrought
Rose: Wrought

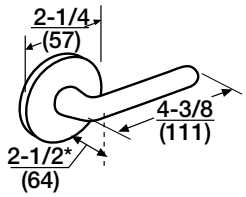


RWB

Lever: Wrought
Rose: Cast

RSA

Lever: Cast
Rose: Wrought



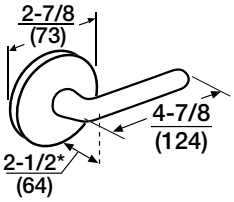
RSB

Lever: Cast
Rose: Cast



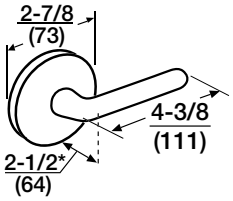
RWF

Lever: Wrought
Rose: Cast



RSF

Lever: Cast
Rose: Cast



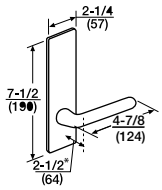
*Dimension from face of door, not surface of rose or escutcheon.

Trim Designs

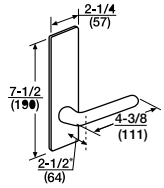
ML2000 and ML20900 ECL



RWM
Lever: Wrought
Escutcheon: Wrought
Optional: Plug only to show; master ring

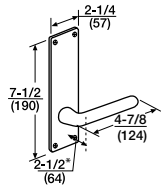


RSM
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring

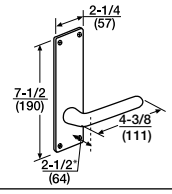




RWN
Lever: Wrought
Escutcheon: Wrought

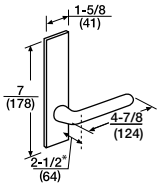


RSN
Lever: Cast
Escutcheon: Wrought

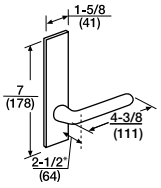




RWP
Lever: Wrought
Escutcheon: Wrought

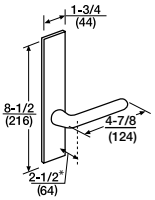


RSP
Lever: Cast
Escutcheon: Wrought

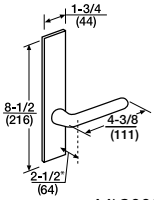




RWR
Lever: Wrought
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)



RSR
Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)



*Dimension from face of door, not surface of rose or escutcheon.

Trim Designs

ML2000 and ML20900 ECL



Citation

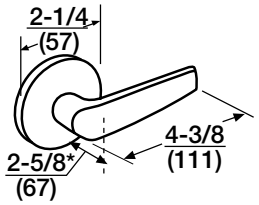
Brass, bronze or stainless steel





CSA

Lever: Cast
Rose: Wrought



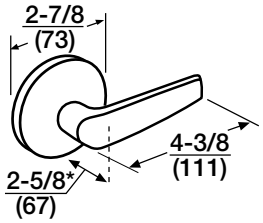
CSB

Lever: Cast
Rose: Cast



CSF

Lever: Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

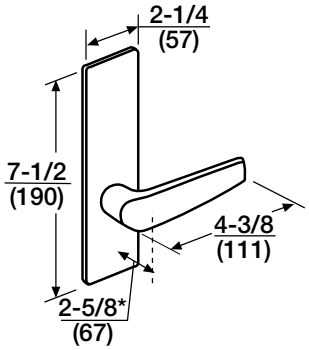
Trim Designs

ML2000 and ML20900 ECL



CSM

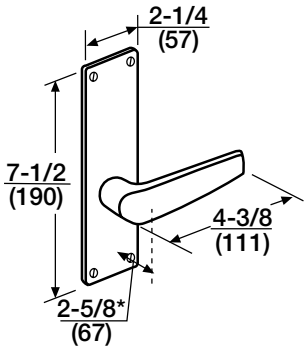
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring





CSN

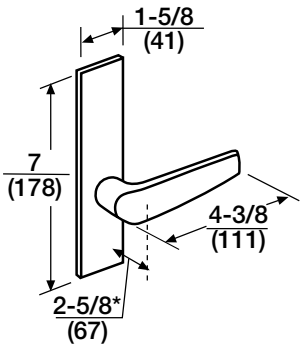
Lever: Cast
Escutcheon: Wrought





CSP

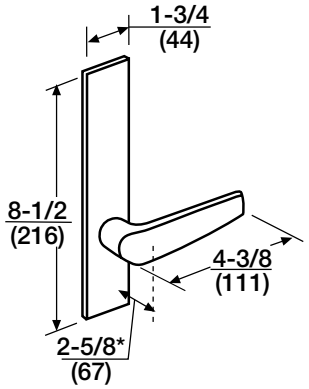
Lever: Cast
Escutcheon: Wrought





CSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)



*Dimension from face of door, not surface of rose or escutcheon.

Corbin Russwin
ASSA ABLOY

Trim Designs

ML2000 and ML20900 ECL



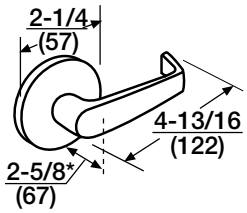
Newport

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
Brass, bronze or stainless steel



NSA

Lever: Cast
Rose: Wrought



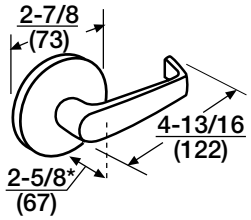
NSB

Lever: Cast
Rose: Cast



NSF

Lever: Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

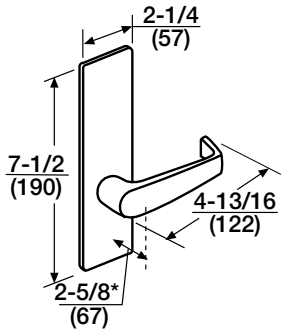
Trim Designs

ML2000 and ML20900 ECL



NSM

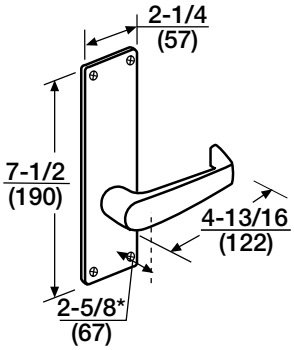
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring





NSN

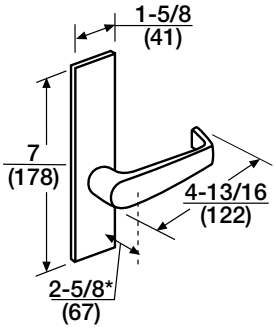
Lever: Cast
Escutcheon: Wrought





NSP

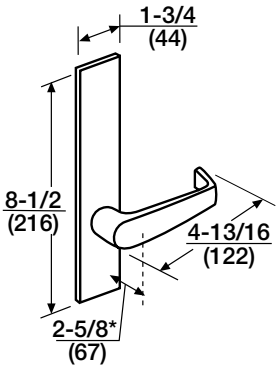
Lever: Cast
Escutcheon: Wrought





NSR

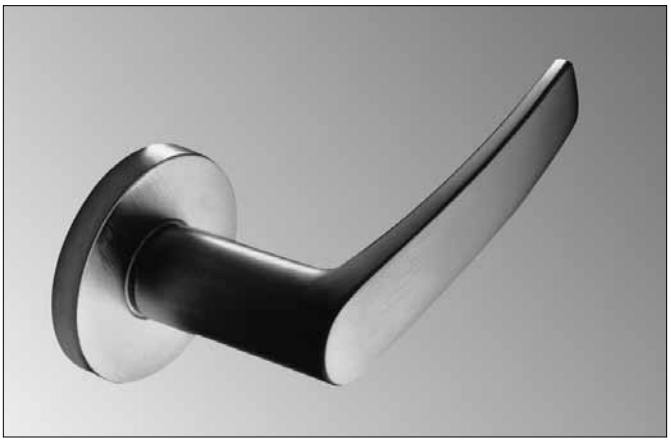
Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)



*Dimension from face of door, not surface of rose or escutcheon.

Trim Designs

ML2000 and ML20900 ECL



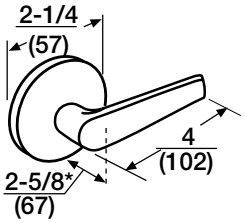
Armstrong

Brass, bronze or stainless steel

ASA

Lever: Cast
Rose: Wrought





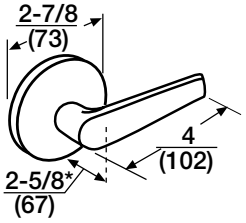
ASB

Lever: Cast
Rose: Cast

ASF

Lever: Cast
Rose: Cast





*Dimension from face of door, not surface of rose or escutcheon.

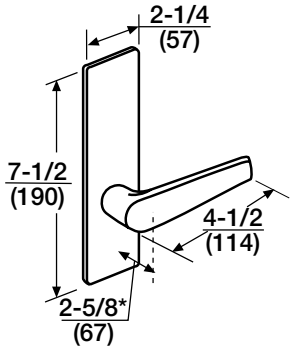
Trim Designs

ML2000 and ML20900 ECL



ASM

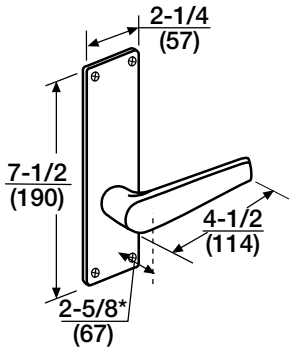
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring





ASN

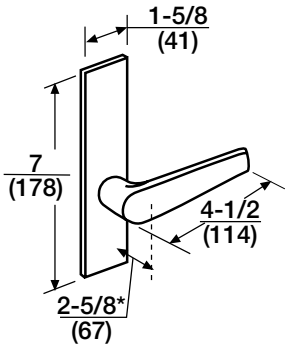
Lever: Cast
Escutcheon: Wrought





ASP

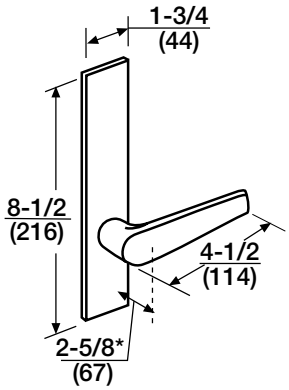
Lever: Cast
Escutcheon: Wrought





ASR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)



*Dimension from face of door, not surface of rose or escutcheon.

Trim Designs

ML2000 and ML20900 ECL



Dirke

Brass, bronze or stainless steel

- Not reversible
- Handed levers

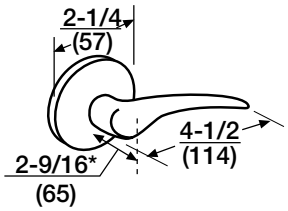
DSA

Lever: Cast
Rose: Wrought
Specify hand



DSB

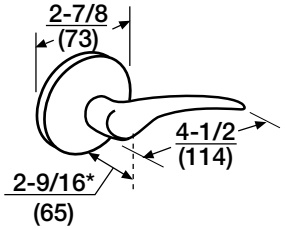
Lever: Cast
Rose: Cast
Specify hand



DSF

Lever: Cast
Rose: Cast
Specify hand





*Dimension from face of door, not surface of rose or escutcheon.

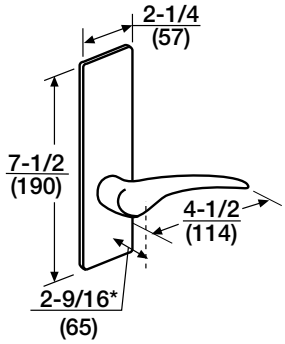
Trim Designs

ML2000 and ML20900 ECL



DSM

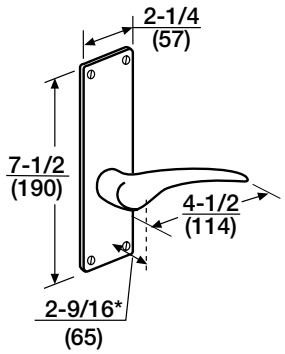
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring
Specify hand





DSN

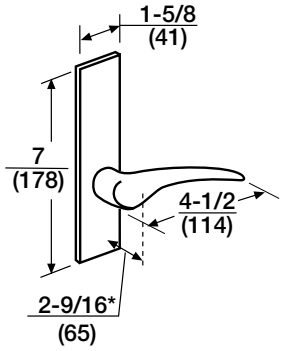
Lever: Cast
Escutcheon: Wrought
Specify hand





DSP

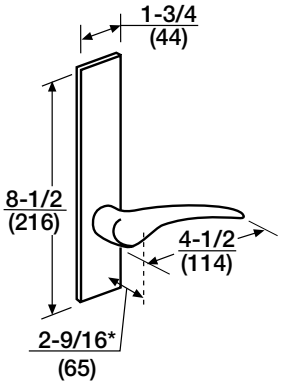
Lever: Cast
Escutcheon: Wrought
Specify hand





DSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
Specify hand



*Dimension from face of door, not surface of rose or escutcheon.

Corbin Russwin
ASSA ABLOY

Trim Designs

ML2000 and ML20900 ECL



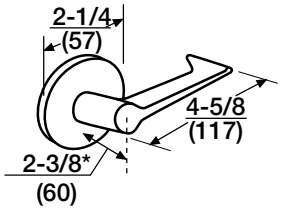
Essex

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
Brass, bronze or stainless steel



ESA

Lever: Cast
Rose: Wrought



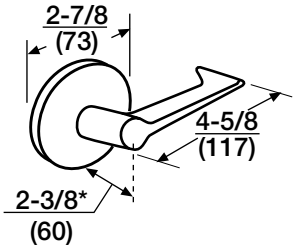
ESB

Lever: Cast
Rose: Cast



ESF

Lever: Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

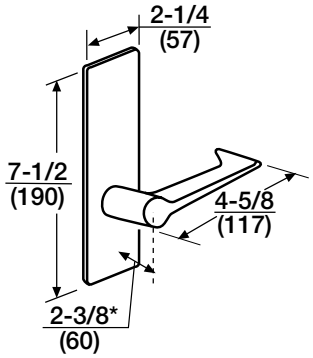
Trim Designs

ML2000 and ML20900 ECL



ESM

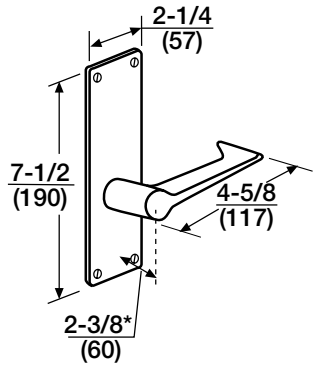
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring





ESN

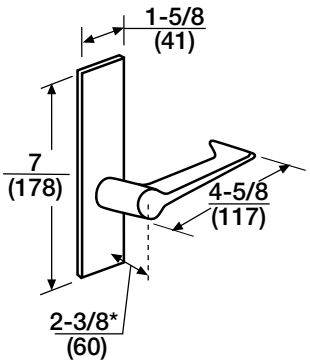
Lever: Cast
Escutcheon: Wrought





ESP

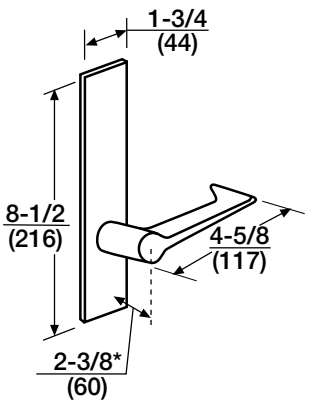
Lever: Cast
Escutcheon: Wrought





ESR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)



*Dimension from face of door, not surface of rose or escutcheon.

Trim Designs

ML2000 and ML20900 ECL



Princeton

Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

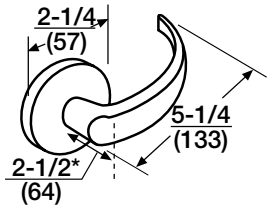
Brass, bronze or stainless steel





PSA

Lever: Cast
Rose: Wrought



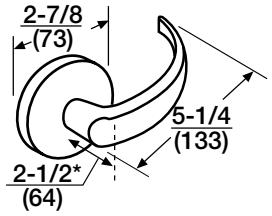
PSB

Lever: Cast
Rose: Cast



PSF

Lever: Cast
Rose: Cast



*Dimension from face of door, not surface of rose or escutcheon.

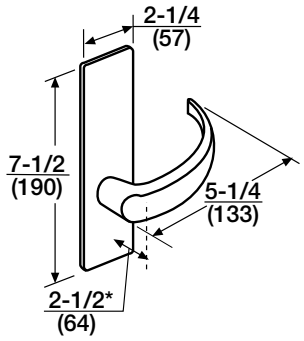
Trim Designs

ML2000 and ML20900 ECL



PSM

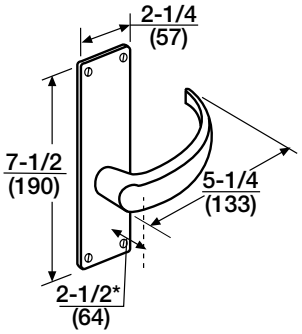
Lever: Cast
Escutcheon: Wrought
Optional: Plug only to show; master ring





PSN

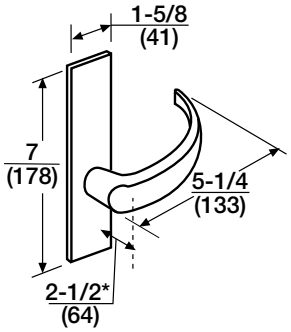
Lever: Cast
Escutcheon: Wrought





PSP

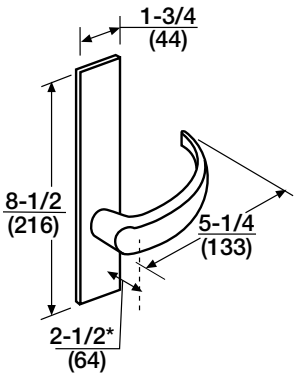
Lever: Cast
Escutcheon: Wrought





PSR

Lever: Cast
Escutcheon: Solid stainless steel; forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

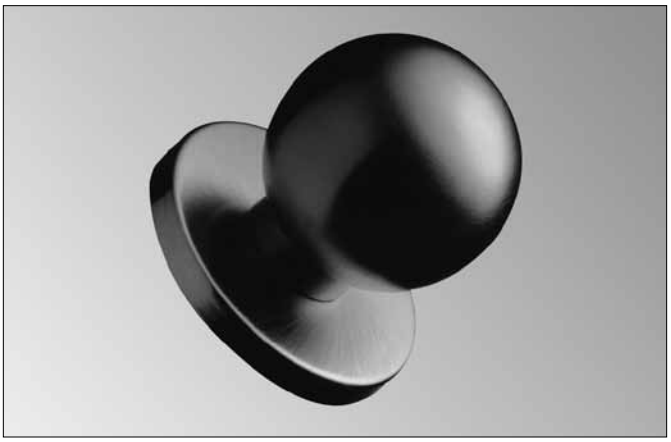


*Dimension from face of door, not surface of rose or escutcheon.

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Trim Designs

ML2000 and ML20900 ECL



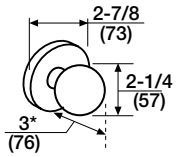
Global

Brass, bronze or stainless steel

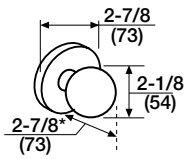


GRC
Knob: Wrought reinforced
Rose: Wrought reinforced

GWC
Knob: Wrought
Rose: Wrought reinforced



GRC

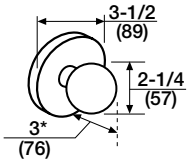


GWC

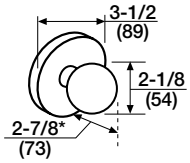


GRD
Knob: Wrought reinforced
Rose: Wrought reinforced

GWD
Knob: Wrought
Rose: Wrought reinforced



GRD



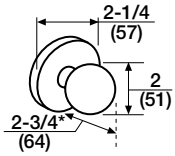
GWD



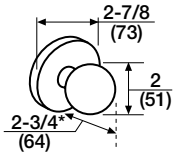
GSA
Knob: Cast
Rose: Wrought

GSB
Knob: Cast
Rose: Cast

GSF
Knob: Cast
Rose: Cast



GSA
GSB

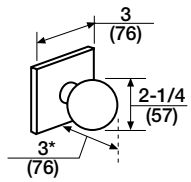


GSF

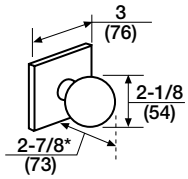


GRE
Knob: Wrought reinforced
Rose: Wrought reinforced

GWE
Knob: Wrought
Rose: Wrought reinforced



GRE



GWE

*Dimension from face of door, not surface of rose or escutcheon.

Trim Designs

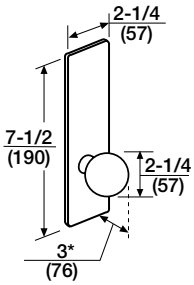
ML2000 and ML20900 ECL



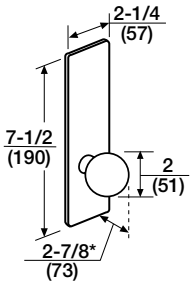
GRM[1]
Knob: Wrought reinforced
Escutcheon: Wrought

GSM[1]
Knob: Cast
Escutcheon: Wrought

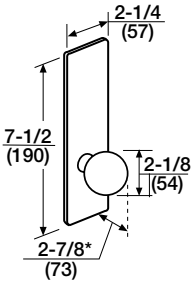
GWM[1]
Knob: Wrought
Escutcheon: Wrought



GRM



GSM



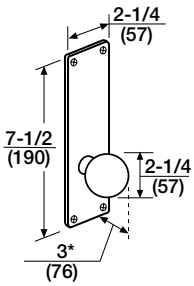
GWM



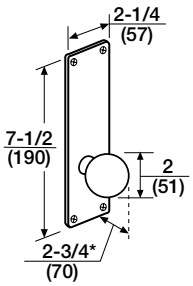
GRN
Knob: Wrought reinforced
Escutcheon: Wrought

GSN
Knob: Cast
Escutcheon: Wrought

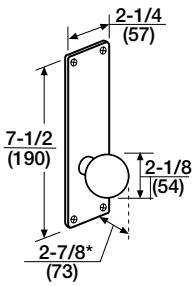
GWN
Knob: Wrought
Escutcheon: Wrought



GRN



GSN



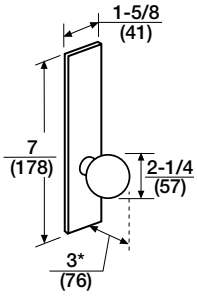
GWN



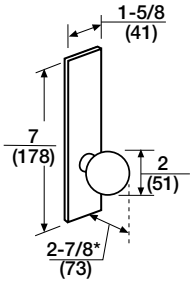
GRP
Knob: Wrought reinforced
Escutcheon: Wrought

GSP
Knob: Cast
Escutcheon: Wrought

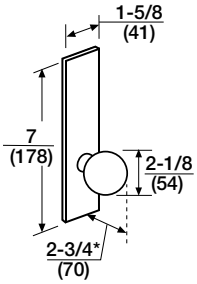
GWP
Knob: Wrought
Escutcheon: Wrought



GRP



GSP



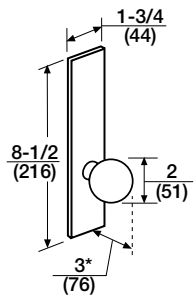
GWP



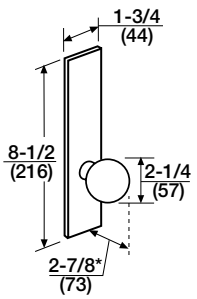
GSR[1, 2]
Knob: Cast
Escutcheon: Solid stainless steel; forged brass

GRR[1, 2]
Knob: Wrought reinforced
Escutcheon: Solid stainless steel; forged brass

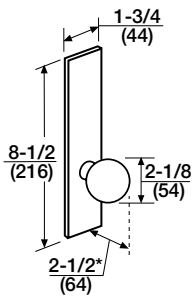
GWR[1, 2]
Knob: Wrought
Escutcheon: Solid stainless steel; forged brass



GSR



GRR



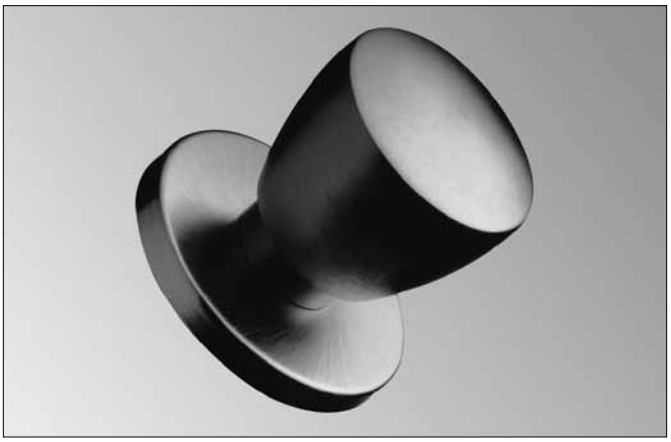
GWR

1. Optional: Plug only to show; master ring
2. Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)
*Dimension from face of door, not surface of rose or escutcheon.

Corbin Russwin
ASSA ABLOY

Trim Designs

ML2000 and ML20900 ECL



Belmont

Brass, bronze or stainless steel

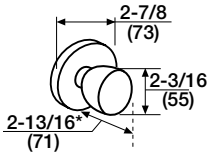


BRC

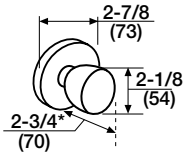
Knob: Wrought reinforced
Rose: Wrought reinforced

BWC

Knob: Wrought
Rose: Wrought reinforced



BRC



BWC

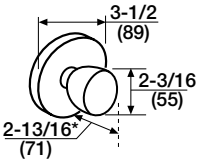


BRD

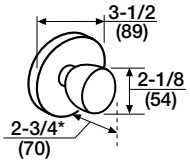
Knob: Wrought reinforced
Rose: Wrought reinforced

BWD

Knob: Wrought
Rose: Wrought reinforced



BRD



BWD

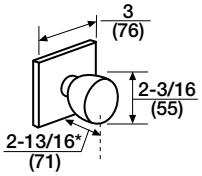


BRE

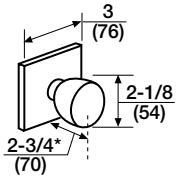
Knob: Wrought reinforced
Rose: Wrought reinforced

BWE

Knob: Wrought
Rose: Wrought reinforced



BRE



BWE

*Dimension from face of door, not surface of rose or escutcheon.

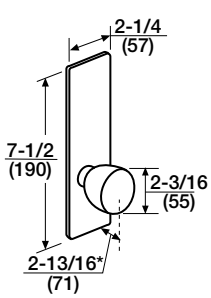
Trim Designs

ML2000 and ML20900 ECL

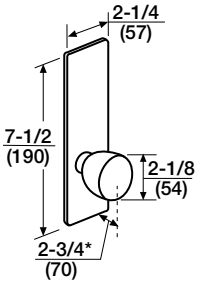


BRM[1]
Knob: Wrought reinforced
Escutcheon: Wrought

BWM[1]
Knob: Wrought
Escutcheon: Wrought



BRM

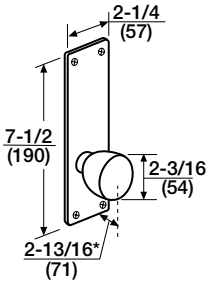


BWM

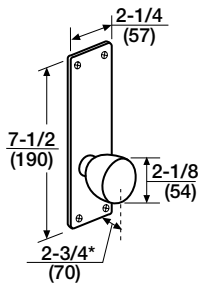


BRN
Knob: Wrought reinforced
Escutcheon: Wrought

BWN
Knob: Wrought
Escutcheon: Wrought



BRN

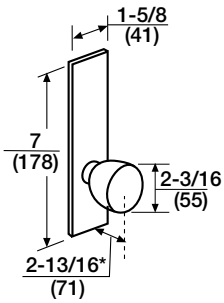


BWN

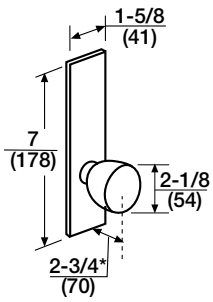


BRP
Knob: Wrought reinforced
Escutcheon: Wrought

BWP
Knob: Wrought
Escutcheon: Wrought



BRP

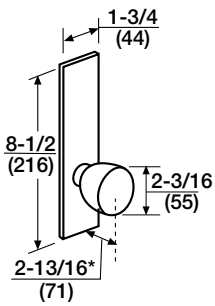


BWP

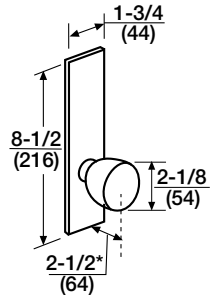


BRR[1, 2]
Knob: Wrought reinforced
Escutcheon: Solid stainless steel; forged brass

BWR[1, 2]
Knob: Wrought
Escutcheon: Solid stainless steel; forged brass



BRR



BWR

1. Optional: Plug only to show; master ring
2. Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)

*Dimension from face of door, not surface of rose or escutcheon.

Trim Designs

ML2000 and ML20900 ECL



Yankee

Brass, bronze or stainless steel

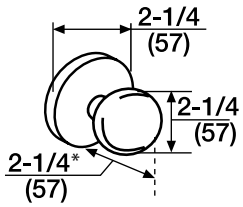


YWA

Knob: Wrought
Rose: Wrought

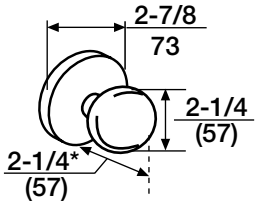
YWB

Knob: Wrought
Rose: Cast



YWF

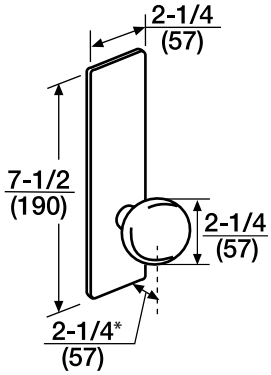
Knob: Wrought
Rose: Cast





YWM

Knob: Wrought
Escutcheon: Wrought
Optional: Plug only to show; master ring



*Dimension from face of door, not surface of rose or escutcheon.

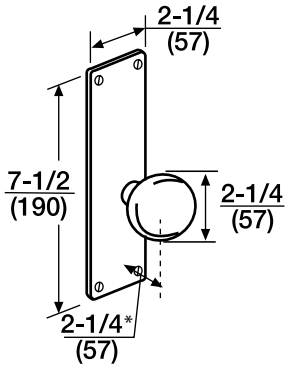
Trim Designs

ML2000 and ML20900 ECL



YWN

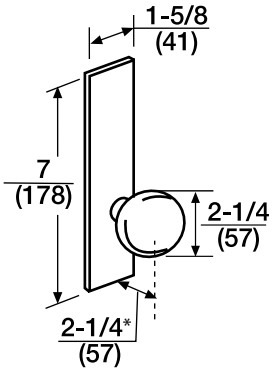
Knob: Wrought
Rose: Wrought





YWP

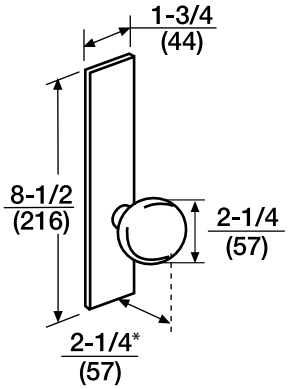
Knob: Wrought
Escutcheon: Wrought





YWR

Knob: Wrought
Escutcheon: Solid stainless steel or forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm), 1-3/4" (44mm), 2-1/4" (57mm)



*Dimension from face of door, not surface of rose or escutcheon.

Corbin Russwin
ASSA ABLOY

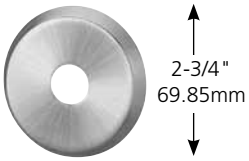
Muséo® Collection Roses and Escutcheons

ML2000 and ML20900 ECL

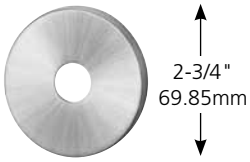
Muséo® Collection Roses* and Escutcheons



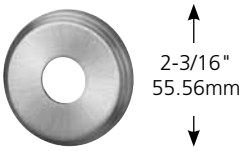
V Rose
Wrought



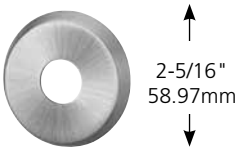
U Rose
Wrought



T Rose
Wrought



Y Rose
Wrought



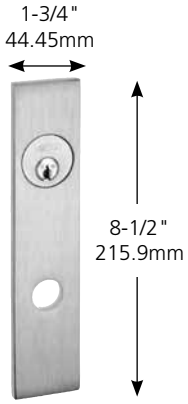
W Rose
Wrought



X Rose
Wrought

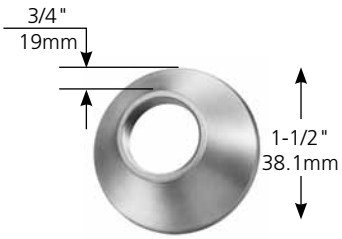


L Escutcheon
Cast Brass

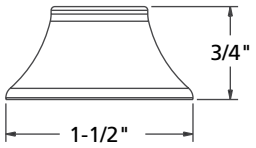


R Escutcheon
Solid Stainless Steel
or Forged Brass

Inspire™ Roseless Trim



Brass or Stainless Steel



***Roses and *Inspire* trim are only available with *Muséo* levers.**

Inspire™ Roseless Trim

ML2000 and ML20900 ECL



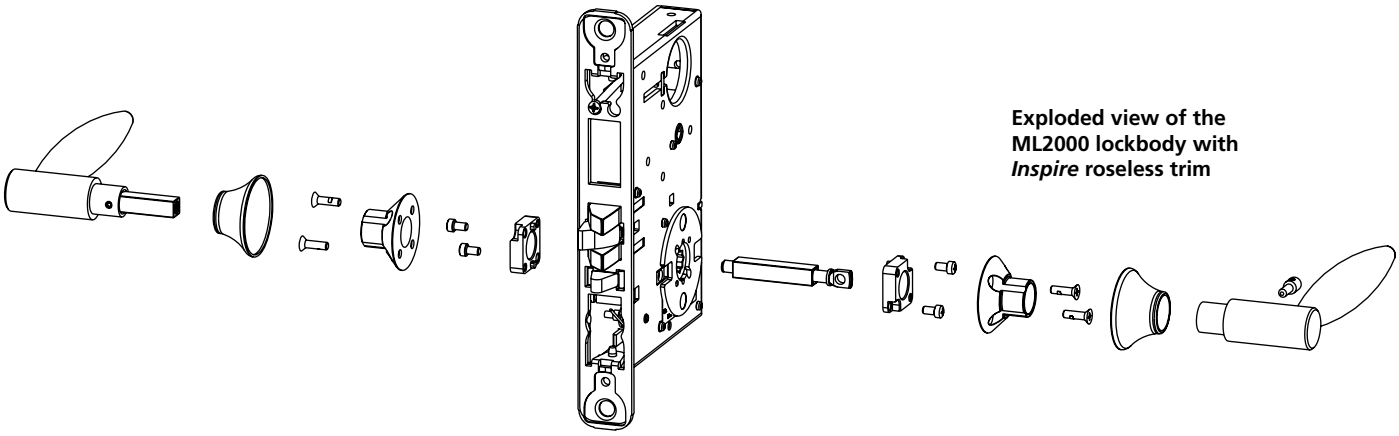
MUSÉO

Inspire™ Roseless Trim

Inspire roseless trim blends the lever and the door creating an artful apprach to every opening. Offered with most Muséo® decorative levers, this exquisite trim will inspire the creation of beautiful openings.

Features:

- Certified to and exceeds ANSI A156.13, Series 1000, Operational Grade 1 and Security Grade 1
- Attachment method similar to standard trim
- Available with all mortise lock functions
- Compatible with most *Muséo* Collection levers (except 104,111,113, 121 and Piet levers)
- Selected levers return within 1/2" of the door face
- All standard cylinder options are available



Exploded view of the ML2000 lockbody with *Inspire* roseless trim

How to Order
Inspire Roseless Trim

Quantity	Series/Function	Trim*	Finish	Hand
50	ML2055	102J	626	RHR

***Specify J for the rose when ordering *Inspire* roseless trim.**

Corbin Russwin
ASSA ABLOY

Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



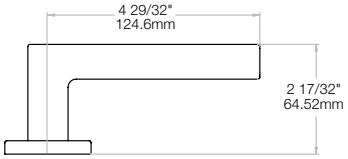
MUSÉO

Georgia

Timeless elegance in forms inspired by the natural world.

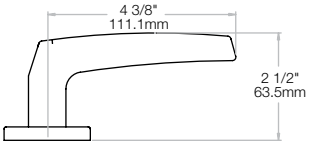


102
Lever: Cast
Non-Handed lever



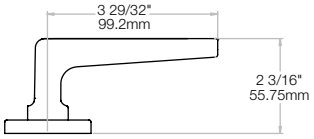


103
Lever: Cast
Non-Handed lever



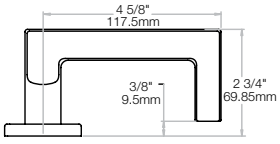


104[2]
Lever: Cast
Non-Handed lever



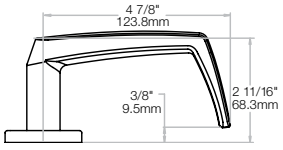


124[1]
Lever: Cast
Non-Handed lever





125[1]
Lever: Cast
Non-Handed lever



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ roseless trim.

Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



MUSÉO

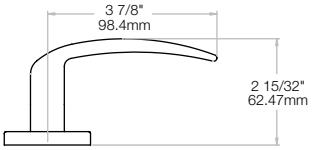
Pablo

Diminutive, yet distinctive and striking in style.



117

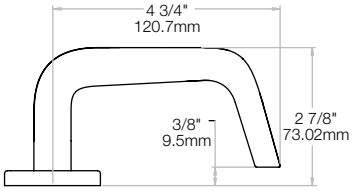
Lever: Cast
Non-Handed lever





126[1]

Lever: Cast
Handed - Specify hand
Non-Reversible



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

Corbin Russwin
ASSA ABLOY

Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



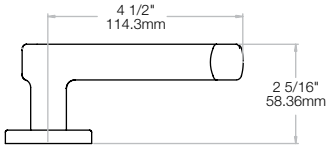
MUSÉO

Jackson

Intuitive shapes, moving with the energetic rhythm of modern life.

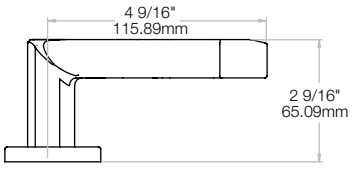


119
Lever: Cast
Handed - Specify hand
Non-Reversible



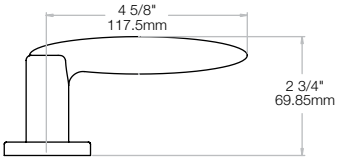


121[2]
Lever: Cast
Handed - Specify hand
Non-Reversible



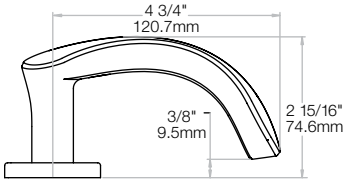


122
Lever: Cast
Handed - Specify hand
Non-Reversible





127[1]
Lever: Cast
Handed - Specify hand
Non-Reversible



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ roseless trim.

Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



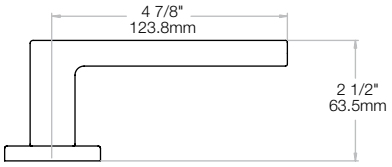
MUSÉO

Salvador

Dreamlike beauty manifested in solid, familiar forms.

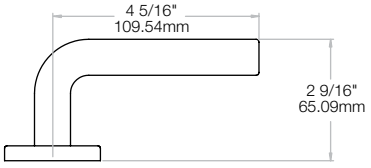


106
Lever: Cast
Non-handed lever



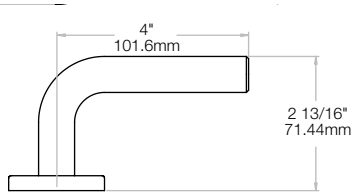


107
Lever: Cast
Non-handed lever





108
Lever: Cast
Non-handed lever



Corbin Russwin
ASSA ABLOY

Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



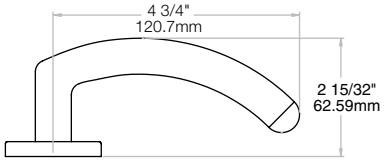
MUSÉO

Salvador

Dreamlike beauty manifested in solid, familiar forms.

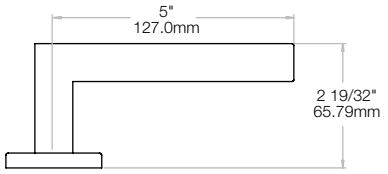


109
Lever: Cast
Non-Handed lever



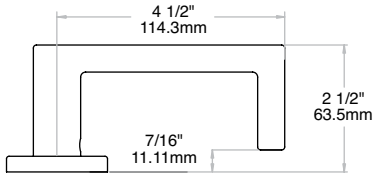


110
Lever: Cast
Non-handed lever



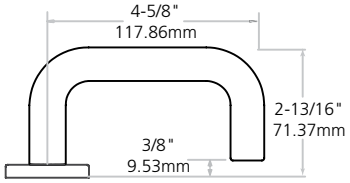


123[1]
Lever: Cast
Non-handed lever



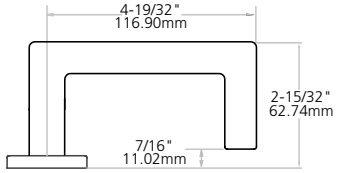


128[1]
Lever: Cast
Non-handed lever





129[1]
Lever: Cast
Non-handed lever



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



MUSÉO

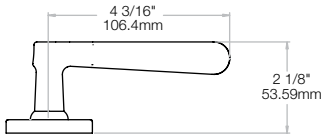
Marc

Fluid lyricism expressed through whimsical lines and dynamic contours.



111[2]

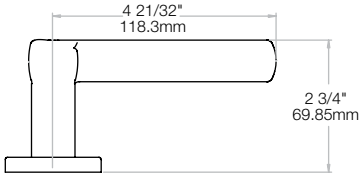
Lever: Cast
Handed - Specify hand
Non-Reversible





112

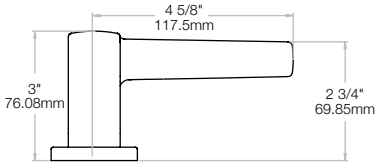
Lever: Cast
Handed - Specify hand
Non-Reversible





113[2]

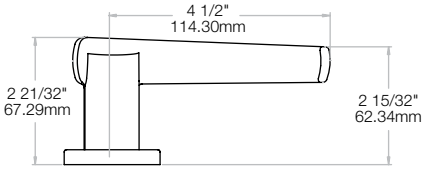
Lever: Cast
Handed - Specify hand
Non-Reversible





114

Lever: Cast
Handed - Specify hand
Non-Reversible



2. Not available with Inspire™ roseless trim.

Corbin Russwin
ASSA ABLOY

Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



MUSÉO

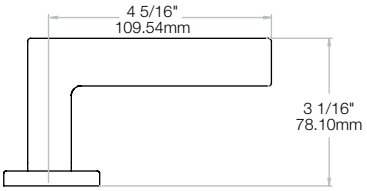
Marc

Fluid lyricism expressed through whimsical lines and dynamic contours.



115

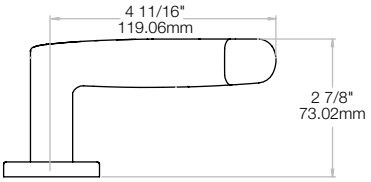
Lever: Cast
Handed - Specify hand
Non-Reversible





116

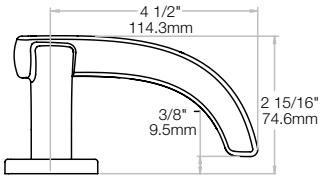
Lever: Cast
Handed - Specify hand
Non-Reversible





130[1]

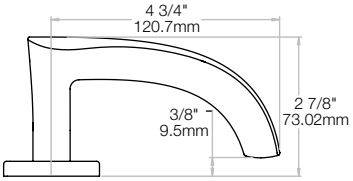
Lever: Cast
Handed - Specify hand
Non-Reversible





131[1]

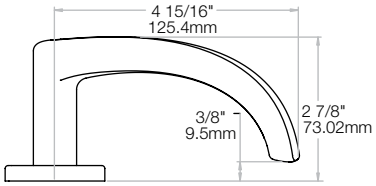
Lever: Cast
Handed - Specify hand
Non-Reversible





132[1]

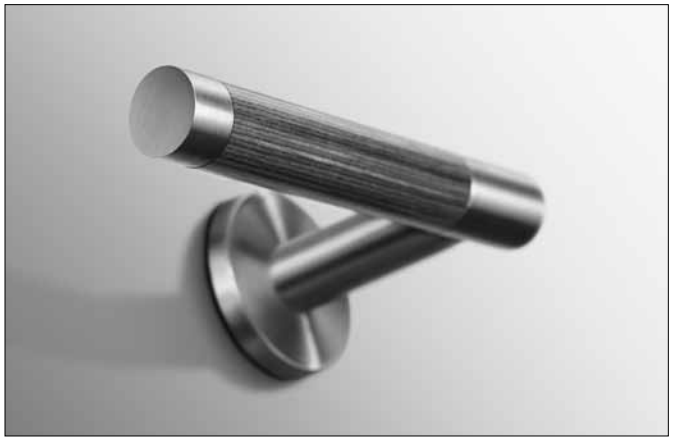
Lever: Cast
Handed - Specify hand
Non-Reversible



1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



MUSÉO

Piet[2]

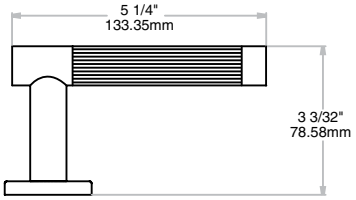
Striking levers with sleek, clean lines.

***Refer to page 62 for how to order the Muséo® Piet Lever Collection.**
2. Not available with Inspire™ roseless trim.



21G

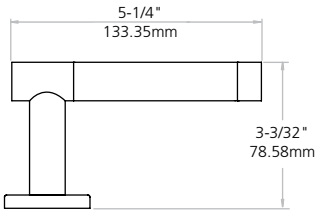
Grooved Insert
Lever: Stainless Steel
Non-Handed Lever





21L

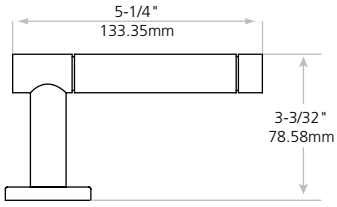
Leather Insert
Lever: Cast
Non-Handed Lever





21M

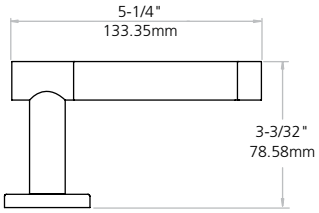
Polished with Satin Insert
Lever: Cast
Non-Handed Lever





21S

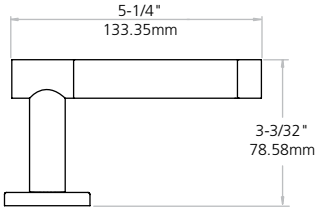
Santoprene™ Insert
Lever: Cast
Non-Handed Lever





21W

Wood Insert
Lever: Cast
Non-Handed Lever



Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



MUSÉO

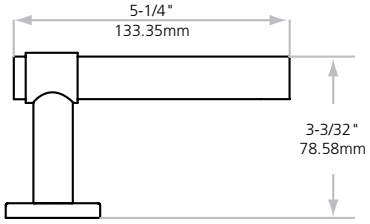
Piet[2]

Striking levers with sleek, clean lines.

***Refer to page 62 for how to order the Muséo® Piet Lever Collection.**
2. Not available with Inspire™ roseless trim.

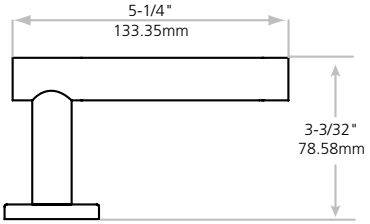


23M
With Raised Band
Lever: Cast
Non-Handed Lever



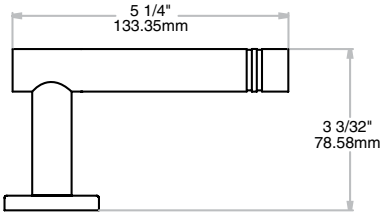


25M
Plain
Lever: Cast
Non-Handed Lever





27M
Plain with Two Grooves
Lever: Stainless Steel
Non-Handed Lever



Vineyard™ Collection Trim Designs

ML2000 and ML20900 ECL



Vineyard™ collection

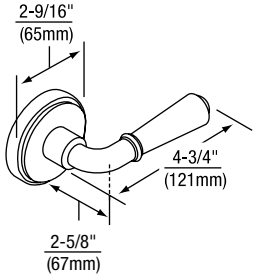
Merlot

Like its namesake, the Merlot blends with — and enhances — any decor.



MSG

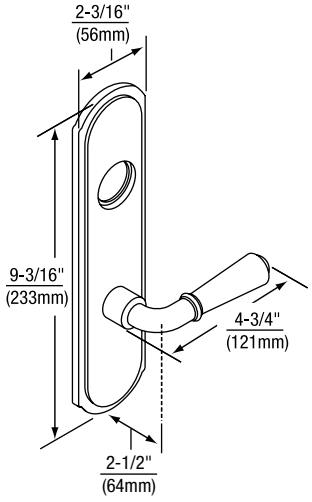
Lever: Cast
Rose: Cast





MSL

Lever: Cast
Escutcheon: Cast



Corbin Russwin
ASSA ABLOY

Vineyard™ Collection Trim Designs

ML2000 and ML20900 ECL



Vineyard™ collection

Frascati

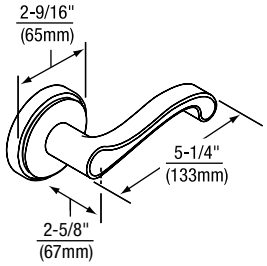
Fresh yet classic, the Frascati exudes the casual, timeless elegance of the Roman hills.

- Non-Reversible
- Handed Levers



FSG

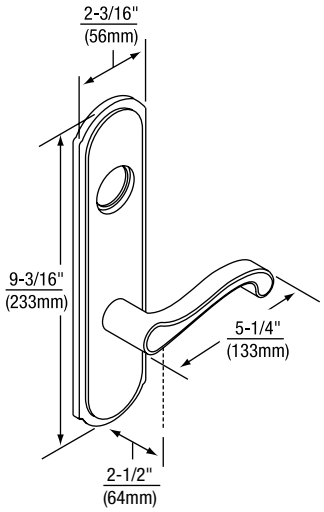
Lever: Cast
Rose: Cast
Specify hand.





FSL

Lever: Cast
Escutcheon: Cast
Specify hand.



Vineyard™ Collection Trim Designs

ML2000 and ML20900 ECL



Vineyard™ collection

Zinfandel

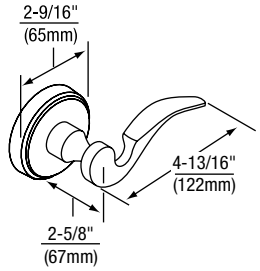
Vigorous and complex in design, the Zinfandel adds finesse to any opening.

- Non-Reversible
- Handed Levers



ZSG

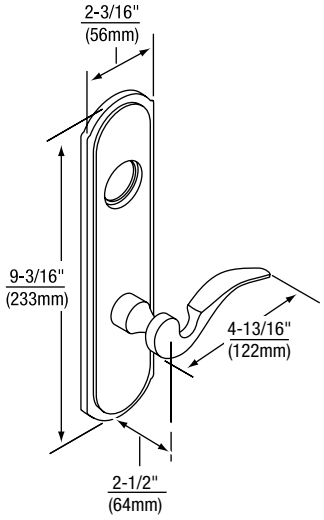
Lever: Cast
Rose: Cast
Specify hand.





ZSL

Lever: Cast
Escutcheon: Cast
Specify hand.



Corbin Russwin
ASSA ABLOY

Vineyard™ Collection Trim Designs

ML2000 and ML20900 ECL



Vineyard™ collection

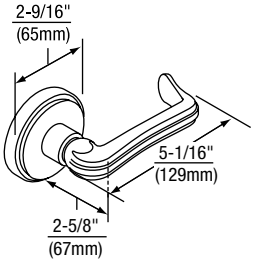
Tuscany

In true Renaissance spirit, the Tuscany brings balance and beauty to every interior.



TSG

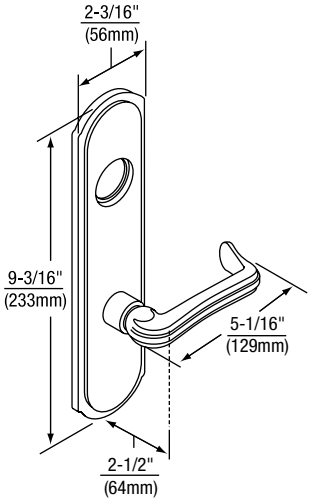
Lever: Cast
Rose: Cast





TSL

Lever: Cast
Escutcheon: Cast



Trim Designs

ML2000

ML2000HS High Security Mortise Trim

Applications

Designed for high-traffic commercial, industrial, institutional and government buildings that require a greater degree of security than traditional mortise trim provide. Applications may include:

- Computer rooms
- Hospital pharmacies
- Banks
- Storage facilities
- Government installations
- Prisons and detention facilities
- Evidence rooms
- Weapons storage

Advantages

- Flush-mounted conventional fixed core cylinder
- Cast escutcheons and knobs, double through-bolted
- Torx® pin tamper resistant security screws
- Armored front to protect against tampering
- 1" throw 1-piece stainless steel deadbolt
- 10-year limited warranty

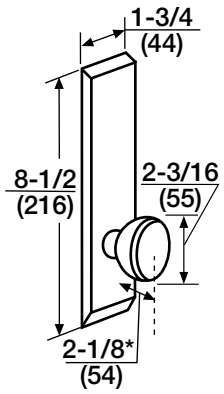


Surety

Brass or bronze

SST

Knob: Cast brass or bronze
Escutcheon: Cast brass or bronze
Optional: Blank inside escutcheon (M07)
Door thickness:1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm)



Note: This is the only trim that is available on the ML2000HS. It is not available on the standard ML2000 lockset.

Corbin Russwin
ASSA ABLOY

Trim Designs

ML2000

ML2000VR Series Vandal-Resistant Mortise Trim

Applications

Designed for high-traffic commercial, industrial, institutional and government buildings that require a greater degree of security and vandal resistance not found on other mortise trims. Applications may include:

- Schools and universities
- Computer rooms
- Hospital pharmacies
- Banks
- Storage facilities
- Government installations
- Prisons and detention facilities
- Evidence rooms
- Weapons storage

Advantages

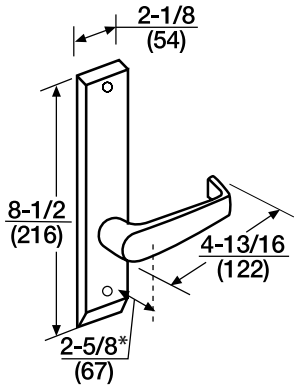
- Flush-mounted conventional fixed core cylinder
- Cast escutcheons and levers; double through-bolted
- Torx® pin tamper resistant security screws
- Armored front to protect against tampering
- Free-floating spindle self-adjusts for door thicknesses from 1-3/4" to 2-1/4"
- Levers remain attached if spindle is broken



Newport

NSV

Lever: Cast stainless steel
Escutcheon: Cast stainless steel
Door thickness: 1-3/4" (44mm) standard, 2" (51mm) specify D200, 2-1/4" (57mm) specify D214

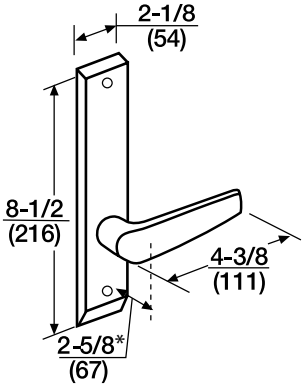




Citation

CSV

Lever: Cast stainless steel
Escutcheon: Cast stainless steel
Door thickness: 1-3/4" (44mm) standard, 2" (51mm) specify D200, 2-1/4" (57mm) specify D214



Notes: This trim only available for ML2000VR and ML20900VR locksets.
Only available in 32D/630 finish.

Trim Designs

ML2000



U.S. Patent Numbers: D646,548S; D646,549S

HPSK

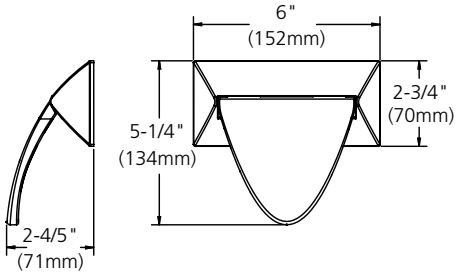
The ML2000 mortise lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the ML2000 mortise lock ideal for use in healthcare facilities and educational facilities.

Refer to the Specialty Hardware Catalog (45205) for more information.



HPSK

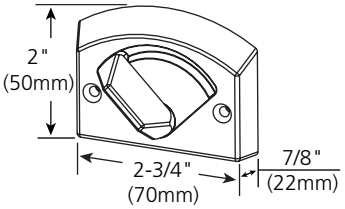
Covers: Cast stainless steel or brass
Paddles: Cast stainless steel or brass
Specify hand.





Thumbturn - HPSK

Brass or Stainless Steel
Door thickness: 1-3/4" (44mm) through 2-1/4" (57mm).



How to Order

HPSK Push/Pull

Quantity	Series/Function	Trim	Finish*	Hand
100	ML2010	HPSK	630	RHR

HPSK Push/Pull

Quantity	Series/Function	Trim	Finish*	Hand
50	ML2055	HPSK	630	LHR

** HPSK is not available in 625 (Bright Chrome) or 626 (Satin Chrome) finishes. Please order 629 (Bright Stainless Steel) or 630 (Satin Stainless Steel) instead.*

Trim Designs

ML2000



Anti-Harm Knob HSS

The anti-harm knob is designed for safety and security by eliminating catch points with a tapered knob recessed into the rose, a tapered thumbturn (for mortise lock thumbturn functions) with Torx® pin security screws, tapered cylinder collars and concealed mounting screws. Available as sectional trim, the anti-harm knob features recessed finger holes for a better grip and the reliability of the ML2000 ANSI/BHMA grade 1 mortise lock. Ideal for psychiatric or detention facilities.

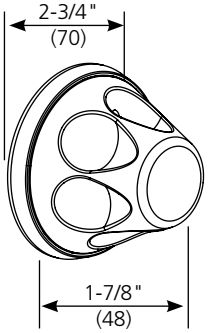
Refer to the Specialty Hardware Catalog (45205) for more information.



Anti-Harm Knob HSS

Brass

Knob: Brass
Door thickness: 1-3/4" (44mm) through 4" (102mm).
Finishes: 606, 626, and 626C

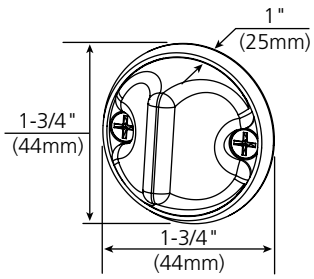


*Dimension from face of door, not surface of rose or escutcheon.
Notes: On lever trim x HSS Knob, the outside lever will be retained with a set screw.
HSS Knob is only available with the rose shown. No optional roses or escutcheons.



Anti-Harm Thumbturn

Standard for all ML2000 x HSS thumbturn functions



How to Order

Anti-Harm Knob (HSS) Trim – HSS Knob x HSS Knob

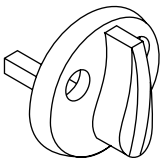
Quantity	Series/Function	Trim	Finish	Hand
6	ML2032	HSS	626	RH

Anti-Harm Knob (HSS) Trim – Lever Trim x HSS Knob

Quantity	Series/Function	Trim		Finish	Hand
		Outside	Inside		
6	ML2055	NSA	HSS	626C	RH

Options & Accessories

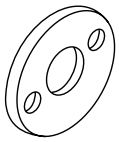
ML2000



Thumbturn Lever

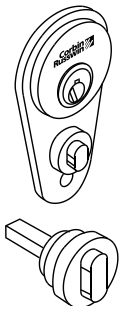
Cast brass or bronze. Standard on functions utilizing thumbturn. Sectional Trim.
Turn Size: 1-1/4" (32mm)
Spindle Size: 3/16" (5mm)
Plate Size: 1-3/8" (35mm) diameter
Surface screw mounted To order separately, see table.

Door	Packet
1-3/8" (35mm)	519F09 x Finish
1-3/4" (44mm)	519F10 x Finish
2-1/4" (57mm)	519F11 x Finish
Up to 3" (76mm)	519F12 x Finish
Up to 4" (102mm)	581F96 x Finish



Key Plate

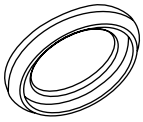
Cast brass or bronze. Standard for privacy function with emergency release only. Sectional Trim.
Plate Size: 1-3/8"(35mm) diameter. To order separately, specify Packet 438F90 x Finish.



Hotel Occupancy Indicators

For use with ML2029 hotel locks. Furnished only when ordered. When door is locked from inside, push button cannot be depressed, indicating that the room is occupied. To order specify quick code M19. For use with sectional trim designs having 2-7/8" (73mm) maximum rose diameter. Cylinder collar and indicator combined.
Size: 3-1/16" (78mm) x 1-3/4" (44mm). To order separately, see table. For use with escutcheon designs only. Indicator is fastened to escutcheon at factory. It is included for illustration purposes only and is not sold separately.

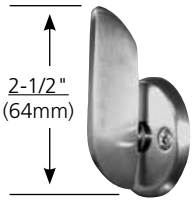
Collar and Indicator Assembly	
Door	**Packet**
1-3/8" (35mm)	429F08 x Finish
1-3/4" (44mm)	416F84 x Finish
2-1/4" (57mm)	484F74 x Finish



Tapered Cylinder Collar

Furnished only for CSV or NSV trims with 1-1/4" cylinders, double cylinder functions or with 1-1/2" cylinders, single cylinder functions.*

*1-3/4" thick doors. Only used with VR trims.



Ergonomic Thumbturn Lever

Cast brass or bronze. Large profile and offset center makes it easier to grasp and rotate. Available on both sectional and escutcheon trim. To order with lock and trim, specify Quick Code M34. To order separately, see table.

Note: This lever is not available with the M19N, M19SN, or M19VN indicators.

Door	Packet
Escutcheon Trim up to 4" (102mm)	711F002
Sectional Trim	
1-3/8" (35mm) - 1-5/8" (41mm)	707F57 x Finish
1-3/4" (44mm) - 2" (51mm)	707F58 x Finish
2" (51mm - 2-1/4" (57mm)	707F59 x Finish
2-3/8" (60mm) - 3" (76mm)	707F60 x Finish
3" (76mm) - 4" (102mm)	706F70 x Finish

Options & Accessories

ML2000

Occupancy Indicators

Occupancy indicators for use with ML2000 x sectional trim. Design features option for dual indicators on double cylinder functions, confirming door is secured from either side. Emergency override standard for all non keyed functions.

Features:

- Design eliminates unauthorized entry via indicator tampering
- Non keyed indicators available with emergency slot turn override
- Use with both keyed and non-keyed functions
- For use outside, inside or both sides of door
- Choose outside indicator text: Vacant/Occupied or Secure/Unsecure
- Inside indicators always read Secure/Unsecure
- Torx pin security fasteners (standard with cylinder indicators)

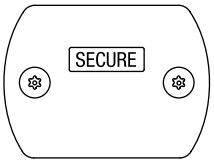


Indicators – Keyed Functions

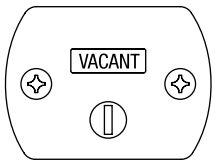
- Can be used on either side of door for double cylinder functions
- Compatible with select sectional trim rose designs: A, B, W, X, Y

Secure	
Door	Packet
1-3/8" (35mm)	720F21 x Finish
1-3/4" (44mm) - 2" (51mm)	720F22 x Finish
2-1/4" (57mm)	720F24 x Finish
Over 2-1/4" (57mm)	720F25 x Finish

Vacant	
Door	Packet
1-3/8" (35mm)	741F21 x Finish
1-3/4" (44mm) - 2" (51mm)	741F22 x Finish
2-1/4" (57mm)	741F23 x Finish
Over 2-1/4" (57mm)	741F24 x Finish



Inside Indicator



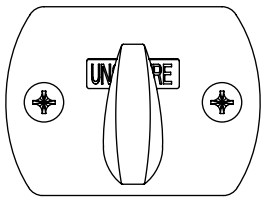
Outside Indicator

Indicators – Non Keyed Functions

- Inside Indicator always reads Secure/Unsecure
- Outside Indicator features slot-turn emergency override
- Compatible with all sectional trim rose designs: A, B, C, D, E, F, G, T, U, V, W, X, Y

Secure	
Door	Packet
1-3/8" (35mm)	721F16 x Finish
1-3/4" (44mm) - 2" (51mm)	721F17 x Finish
2-1/4" (57mm)	721F18 x Finish
Over 2-1/4" (57mm)	721F19 x Finish

Vacant	
Door	Packet
1-3/8" (35mm)	720F61 x Finish
1-3/4" (44mm) - 2" (51mm)	720F62 x Finish
2-1/4" (57mm)	720F64 x Finish
Over 2-1/4" (57mm)	720F65 x Finish



Thumbturn Indicator

- Located on the inside of the door and reads secure/unsecure
- Built into the occupancy indicator
- Only available in ML2013, ML2017, ML2020, ML2024, ML2029, ML2030, ML2048, ML2060, ML2065, ML2067, ML2068, ML2069 and ML2075 functions

Door	Packet
1-3/8" (35mm)	723F69 x Finish
1-3/4" (44mm) - 2" (51mm)	723F26 x Finish
2-1/4" (57mm)	791F59 x Finish
Over 2-1/4" (57mm)	791F60 x Finish

Occupancy Indicator Quick Codes and Functions

Quick Code	Outside	Inside	ML2002	ML2003	ML2011	ML2012	ML2013	ML2017	ML2020	ML2022	ML2024	ML2029	ML2030	ML2048	ML2059	ML2060	ML2062	ML2065	ML2067	ML2068	ML2069	ML2072	ML2073	ML2075	ML2082	ML2092
Single Indicator																										
M19S	Secure/Unsecure	—	X	X	X	X	X	X		X	X	X		X	X		X	X	X	X	X	X	X	X	X	X
M19V	Vacant/Occupied	—	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M19N	—	Secure/Unsecure	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Double Indicator																										
M19SN	Secure/Unsecure	Secure/Unsecure	X	X	X	X	X	X		X	X	X		X	X		X	X	X	X	X	X	X	X	X	X
M19VN	Vacant/Occupied	Secure/Unsecure	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

How to Order:

ML2060 x NSA x 626 x RH x M19V

Non keyed function x sectional trim x outside indicator with slot turn (text reads Vacant/Occupied)

ML2072 x NSA x 626 x RH x M19SN x PHS x KA

Double cylinder x sectional trim x outside indicator (Secure/Unsecure) x inside indicator (Secure/Unsecure) x keyed alike

Corbin Russwin
ASSA ABLOY

Options and Accessories

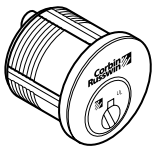
ML2000 and ML20900 ECL

Cylinders

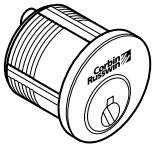
Conventional (standard for ML2000)
Pyramid (optional)

2 nickel silver keys
Finishes: See Key Systems and Pyramid catalogs.

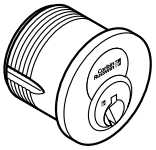
Pyramid



Conventional



Interchangeable Core (I.C.)



Pyramid Shown

Mortise Cylinder Type	Quick Code	Hotel Function	42 (inside) 52, 53, 55, 56, 58, 69 Functions	All Other Keyed and 42 (outside)Functions
Pyramid HS	PHS	N/A	1020-114-A02	1020-114-A01
Pyramid HS IC	PCHS	N/A	1030-114-A02	1030-114-A01
Pyramid Security	PS	N/A	1027-114-A02	1027-114-A01
Pyramid Security IC	PCS	N/A	1037-114-A02	1037-114-A01
Conventional 6-pin	N/A	1001-114-A01	1000-118-A02	1000-118-A01
Conventional 7-pin	7P	N/A	1000-114-A02-7	1000-114-A01-7
6-pin IC	C6	1081-138-A01	1080-114-A02	1080-114-A01
7-pin IC	C7	N/A	1080-112-A02-7	1080-112-A01-7
Security	HS	1011-114-A01	1010-118-A02	1010-118-A01
Security IC	CHS	1091-138-A01	1090-114-A02	1090-114-A01
Flex head 6-pin	FX6	1101-118-A01	1100-100-A02	1100-100-A01
Flex head 7-pin	FX7	N/A	1100-118-A02-7	1100-118-A01-7
Master ring**	MR	N/A	1060-118-A62	1060-118-A61
Master ring flex head**	FXM	N/A	1160-100-A62	1160-100-A61
Blockout	BO	N/A	1012-114-A02	1012-114-A01
Plug only to show-6-pin	P06	1201-114-A01	1200-118-A02	1200-118-A01
Plug only to show 7-pin	P07	N/A	1200-114-A02-7	1200-114-A01-7

To order optional cylinder with lockset, see Quick Codes, page 63.
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-118-A01 x L4 x 626).

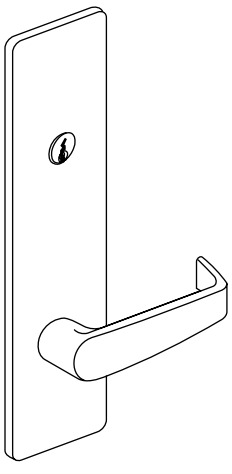
(HS) Indicates cylinder is available with ML2000HS lockset.

(VR) Indicates function is available with vandal resistant ML2000VR lockset.

**Not available for ML2017, ML2029, ML2060, ML2061, ML2068, ML2069, ML2032 x MR, ML2000HS, ML2000VR, ML20900 and P escutcheons (all functions).
Note: Master ring cylinder meets BHMA operational Grade 1.

Plug only to show (concealed shell)

Only the cylinder plug face is visible when lock trim is in place. Available with "M", "R", and "L" escutcheons. See individual trim designs for availability.



Options and Accessories

ML2000 and ML20900 ECL

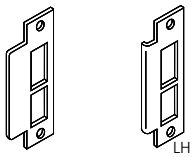
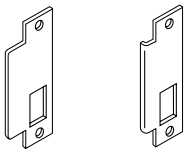
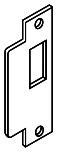
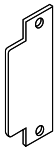
Strikes

ANSI Straight Lip (standard)

Brass, bronze or stainless steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center (standard)
Optional lip lengths: 7/8" (22mm), 1" (25mm), , 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

ANSI Curved Lip

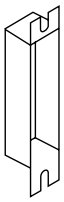
Brass, bronze or stainless steel
Handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center (standard)
Optional lip lengths: 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

	Part No.	Description
Note: Only Available with ML2000  LH Shown Latchbolt x Deadbolt	236L72	Straight Lip
	340L60	Curved Lip for RH/LHR
	340L61	Curved Lip for LH/RHR
 LH Shown Latchbolt Only	236L73	Straight Lip
	340L62	Curved Lip for RH/LHR
	340L63	Curved Lip for LH/RHR
 Deadbolt Only	236L74	Straight Lip
 Blank Filler Plate	236L70	Straight Lip

To order strike with lockset, see How to Order, page 66.
To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).

ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 66.
To order separately, specify 120F76.

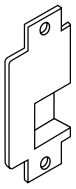


Open Back

Size: 5-1/4" (133mm) x 1/4" (32mm).

Hand	Door Thickness	Part
LHR	1-3/4" (44mm)	411L63 016
	2" (51mm)	411L63 018
	2-1/4" (57mm)	411L63 020
RHR	1-3/4" (44mm)	411L62 016
	2" (51mm)	411L62 018
	2-1/4" (57mm)	411L62 020

To order with lockset, see Quick Codes, page 66. To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).

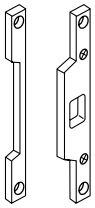


Rabbeted Front and Strike

Brass or bronze
For 1/2" (13mm) rabbet
No optional lip lengths

	Part No.	Hand
Latchbolt x Deadbolt	318F66 318F69	RH/LHR LH/RHR
Latchbolt only	318F64 318F67	RH/LHR LH/RHR
Deadbolt only	318F65 318F68	RH/LHR LH/RHR

To order with lockset, see Quick Codes, page 66.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).



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Options and Accessories

ML2000 and ML20900 ECL

BPS Power Supply

Operation
Power supplies are designed to provide reliable filtered and regulated power for long life to a variety of electrified hardware components. All modular power supplies are designed to meet UL 1481 Standards. Recommended for the ML20900, delayed egress exit devices and electric trim.

Features
- Fire panel emergency release input
- PC Board mounted system LED indicator
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Electrical Specifications
- Inputs: 115VAC @600mA
- Outputs: 12/24 VDC @ 1 Amp, 1.5 Amp or 4 Amp, Filtered and regulated output

Listings
- UL & cUL listed 1012 General Purpose Power Supply
- Fire & Burglar Alarm Power Supply Unit URT2
- Releasing device Accessory SYSW
- Access Control Systems Units ALVY
- Burglar Alarm Systems Power Supply APHY

Applications
- D – Delayed Egress
- M97 – Electric Dogging
- SAF – Fail Safe mortise device trim control
- SEC – Fail Secure mortise device trim control
- ML20900



Note: Batteries are not included with the BPS power supply

Model	Enclosure	Input	Output
BPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	2 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	115VAC, 50/60 Hz.	4 Amp @ 24VDC
BPS-12-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1 Amp @ 12 VDC
BPS-12-3	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	3 Amp @ 12 VDC

Requirements for Electrical and Data Transfer

To answer the demand for "smart" electronic access control and locking solutions that require fast, easy, and cost-effective installation, ASSA ABLOY Group brands use the ElectroLynx® standardized plug-in connectors and color-coded wiring system.

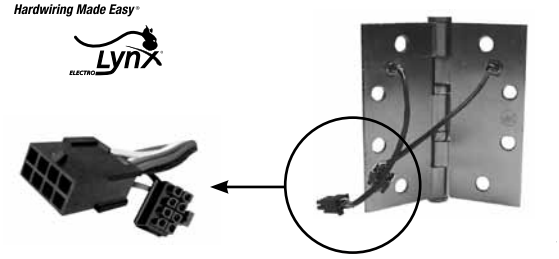
With *ElectroLynx*, doorway components come pre-wired for easy hookup to the power source. The key to the system is the transfer device hinge that carries power from the frame to the locking hardware.

Features of ElectroLynx:
- Makes it easy to bring power to the locking hardware
- Wires have connectors that snap together, like plugging a telephone into a jack

To connect a ML20900 electrified mortise lock to the electronic access control system, the following items are required:
- ML20900 electrified mortise lock
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)
- Electronic transfer device (*ElectroLynx* electronic transfer hinge or Electrical Power Transfer with standard hinge, from McKinney)
- *ElectroLynx* cable from the hinge to above the ceiling (order from McKinney)

Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 ElectroLynx Hinge is recommended for all ML20900 functions and electrified options.

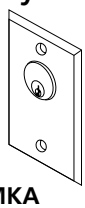


Electrified Options & Accessories

ML20900 ECL

Exit Controls and Switches

Key Switches



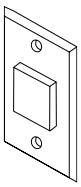
MKA

MKA - (1) SPDT Maintained
MK - (1) SPDT Momentary
MKN - (1) SPDT Momentary NS
MK2 - (1) DPDT Momentary
MKPZ x MKS - (1) SPDT Momentary with audio Double Gang x Additional Switch
Note: All key switches come standard with 12/24 VDC bi-color LED.

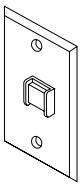
Specifications

- Keyswitch for operation using a standard 1-1/8" mortise cylinder (A02 cam) (cylinder not included).
- Contact Rating 5 Amps @ 12-24VDC
- SPDT 3-position.

Push Buttons



PB2



PB3

PB2 - (1) SPDT Momentary
PB2 - (1) DPST Remote Momentary
PB3 - (1) DPST Momentary
PB3A - (1) DPST Maintained (Alt. Action)
PB3EA - (1) DPST Alternate

Specifications

- 3 Amps @ 12-24 VDC

Indicator

ZLP - (1) Red and Green LED on narrow gang plate.

Audible/Visual Annunciators



PZ1

PZ1 - Sonalert 90db @ 2ft. 12-24VDC. Mounted on one gang stainless steel plate.

Digital Entry

DK-11 - Digital Keypad - 4 User
DK-26SS - Digital Keypad NS - 59 User - SS Finish
DK-26BK - Digital Keypad NS - 59 User - Black Finish

Power Transfers

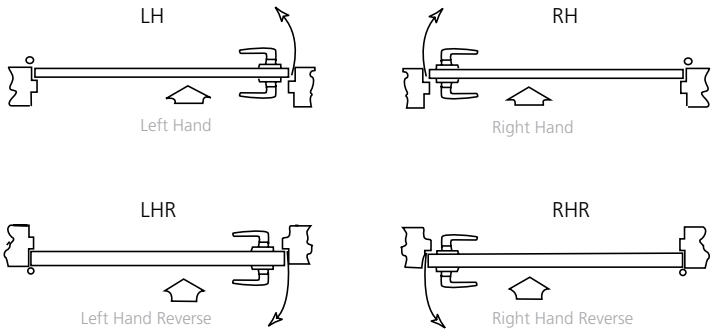
TSB B-C - Door Cord

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How to Order

ML2000

Ordering Examples - ML2000 Series



Note: Arrow indicates secure side of door.

Where to find ordering information and Quick Codes

ML2000 Series/Function	5-9
ML20900 ECL Series/Function	13
Trim Designs	14-54
Cylinder and Keying	65
Finish	65
Strikes	65
Miscellaneous Options	66
Door Thickness	66
Handing	67

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	ML2055	LWA	626	RHR
50	ML2055HS	SST	626	LHR

Split Trim / Finish Order

Quantity	Series/ Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	ML2055	LWA	GRC	626	625	RHR
6	ML2055HS	SST	—	626	606	LHR
12	ML2055	ZSL	—	626	625	RHR
24	ML2051	MSG	—	605	625	LH
12	ML2055	102U	—	626	606	RHR
24	ML2051	122R	110R	605	625	LH

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	ML2055	LWA	626	RHR	D214	SA200	M17-M26	C7	VKC3
12	AA1	ML2055HS	SST	626	LHR	D214	SS200	M07	C6	VKC1
6	AA1	ML2055VR	NSV	630	RH	D214	SS114	M17	PCHS	VKC1

Working Trim Only

Quantity	Function Only	Trim	Finish	Hand	Door Thickness	Misc. Options
6	ML2055	LWA	626	RHR	D214	M31
3	ML2055HS	SST	626	LHR	D214	M31
1	ML2055VR	NSV	630	RH	D214	M31

(Includes grip and spindle, rose or escutcheon, thumbturn lever, emergency key plate, adapters and screws)

How To Order

ML2000 and ML20900 ECL

Lock Only (Includes lock case, armored front, strike and screw pack)

Quantity	Series/ Function	Trim*	Finish	Hand	Door Thickness	Optional Strike	Misc. Options
6	ML2055	LL	626	RHR	D138	SS078	M17
3	ML2055HS	KK	626	LHR	D214	SA200	M29

*TRIM KEY
KK Knob x Knob
LL Lever x Lever
LK Lever x Knob
KL Knob x Lever
HL Lever Inside Only
HK Knob Inside Only

Ordering Examples - ML20900 ECL Series

Lock Only (Includes lock case, armored front, strike and screw pack)

Quantity	Series/ Function	Trim*	Finish	Hand	Voltage	Misc. Options	Keying
6	ML20901	LL	626	RHR	12AD	M105	VKC3

*TRIM KEY
KK Knob x Knob
LL Lever x Lever
LK Lever x Knob
KL Knob x Lever
HL Lever Inside Only
HK Knob Inside Only

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Voltage	Misc.Options	Optional Cylinder	Keying
24	AA1	ML20904	LWA	626	RHR	12AD	M20	7P	VKC3

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How to Order the Muséo® Piet Levers

ML2000 and ML20900 ECL

Lever Trim and Finish Options



Leather Insert
21L



Santoprene™ Insert
21S



Wood Insert
21W



Plain
25M



Plain with Two Grooves
27M

Trim	Lever Finish Options					
Lever Style	Shank Finish	Specify	Insert Finish	Specify	Grip Finish*	Specify
21L	629 or 630	29 or 30	Black or Brown	BK or BN	629 or 630	29 or 30
21S	629 or 630	29 or 30	Black	BK	629 or 630	29 or 30
21W	629 or 630	29 or 30	Birch	BH	629 or 630	29 or 30
25M	629 or 630	29 or 30	N/A	00	629 or 630	29 or 30
27M	629 or 630	29 or 30	N/A	00	629 or 630	29 or 30

** Grip finish must match shank finish*



Grooved Insert
21G



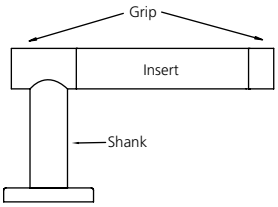
Polished with Satin Insert
21M



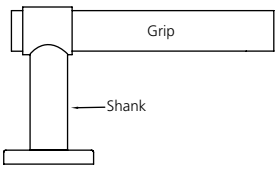
With Raised Band
23M

Trim	Lever Finish Options					
Lever Style	Shank Finish	Specify	Insert Finish	Specify	Grip Finish	Specify
21G	629 or 630	29 or 30	N/A	00	629 or 630	29 or 30
21M	629	29	630	30	629	29
23M	629 or 630	29 or 30	N/A	00	629 or 630	29 or 30

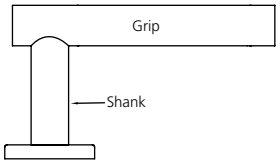
Ordering Examples



21L, 21M, 21S, 21W



23M



25M

Rose Options: T, U, V, W, X, Y
Escutcheon Options: L, R

Quantity	Series/ Function	Trim	Lever Finish	Lock Finish	Hand
2	ML2055	21LU	29BK29	629	RH
1	ML2051	23ML	290030	629	RH

Corbin Russwin ASSA ABLOY

Quick Codes

ML2000 and ML20900 ECL

Cylinder and Keying

Description	Specify
Conventional 6-pin (HS) (VR)	(standard)
Conventional 7-pin (HS) (VR)	7P
Less cylinder(s) (HS) (VR)	LC
IC 6-pin (HS) (VR)	C6
IC 6-pin with temporary construction core (HS) (VR)	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin less core (HS) (VR)	CL6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
SFIC 6-pin with Less Core[1]	CLS6
IC 7-pin (HS) (VR)	C7
IC 7-pin with temporary construction core (HS) (VR)	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin less core (HS) (VR)	CL7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
SFIC 7-pin with Less Core[1] (HS) (VR)	CLS7
Security (HS) (VR)	HS
Security IC (HS) (VR)	CHS
Pyramid High Security Fixed Core (HS) (VR)	PHS
Pyramid High Security IC (HS) (VR)	PCHS
Pyramid IC Less Core (HS) (VR)	CLP
Pyramid with temporary construction core (HS) (VR)	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-Pin Disposable Core	CT6D
7-Pin Disposable Core	CT7D
Master ring[2]	MR
Blockout function cylinder (HS) (VR)	BO
Flex head cylinder, 6-pin (sectional trim)	FX6
Flex head cylinder, 7-pin (sectional trim)	FX7
Flex head cylinder, master ring[2] (sectional trim)	FXM
Plug only to show, 6-pin (concealed shell; M and R escutcheons only, single cylinder only)	PO6
Plug only to show, 7-pin (concealed shell; M and R escutcheons only, single cylinder only)	PO7

(HS) Indicates cylinder is available with ML2000HS lockset

(VR) Indicates availability with ML200VR lockset

Description	Specify
Keyed random (HS) (VR)	KR
Construction master keyed (not available for Pyramid) (HS) (VR)	CMK
Visual key control (HS) (VR)	
- No keying data stamped on key or cylinder	VKC0
- Keys only	VKC1
- Cylinders and keys (not for HS, CHS, PHS or PCHS)	VKC2
- Cylinders only (not for HS, CHS, PHS or PCHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for PHS or PCHS)	CKC3
2 keys per lock More than 2 keys	(standard) KY# (e.g., KY6)

1. Not available with ML2029.
2. Not available for ML2017, ML2029 or ML2032 x MR, ML2000HS or ML2000VR.

Finishes

BHMA 605 (US3)	(HS)	Bright Brass
605-E[3]		Polished brass, Infini-T® (Vineyard™ Trim Only)
606-E[3]		Satin brass, Infini-T® (Vineyard™ Trim Only)
BHMA 606 (US4)	(HS)	Satin Brass
BHMA 611 (US9)	(HS)	Bright Bronze
BHMA 612 (US10)	(HS)	Satin Bronze
BHMA 613 (US10B)	(HS)	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618 (US14)		Bright Nickel Plated
BHMA 619 (US15)		Satin Nickel Plated
BHMA 625 (US26)	(HS)	Bright Chromium Plated
BHMA 626 (US26D)	(HS)	Satin Chromium Plated
626C		Satin Chromium Plated with MicroShield®
BHMA 629 (US32)	(HS)	Bright Stainless Steel
BHMA 630 (US32D)	(HS) (VR)	Satin Stainless Steel
630C		Satin Stainless Steel with MicroShield®
BHMA722		Black Oxidized Bronze, oil rubbed

3. Available with Vineyard™ Collection trim only. Infini-T® finish is a technologically advanced finish produced by a coating technology called Physical Vapor Deposition (PVD). Infini-T® provides the ultimate surface protection against the elements and everyday wear and tear.

Infini-T

Vineyard™ collection

Corbin Russwin
ASSA ABLOY

Quick Codes

ML2000 and ML20900 ECL

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws (not available for "N" escutcheon trims (Standard for ML2000HS and VR. Optional for other trims)	M04
Blank Escutcheon Inside (only available for ML2000HS and VR, not available for ML2000) (HS) (VR)	M07
ANSI wrought strike box (HS) (VR)	M17
Hotel occupancy indicator (Only available for ML2029) (VR)	M19
Single Occupancy Indicator - Secure/Unsecure (Outside)	M19S
Single Occupancy Indicator - Vacant/Occupied (Outside)	M19V
Single Occupancy Indicator - Secure/Unsecure (Inside)	M19N
Double Occupancy Indicator - Secure/Unsecure (Outside) Secure/Unsecure (Inside)	M19SN
Double Indicator Vacant/Occupied (Outside) Secure/ Unsecure (Inside)	M19VN
*Knurling outside and inside (VR)	M20
*Knurling outside only (VR)	M21
*Knurling inside only (VR)	M22
*Abrasive coat outside and inside (VR)	M23
*Abrasive coat inside only (VR)	M24
*Abrasive coat outside only (VR)	M25
Non-ferrous lockcase	M26
Lead-wrapped case (HS) (VR)	M29
Half trim (for ML2010, ML2020, ML2022, ML2024, ML2029, ML2030, ML2032, ML2052, ML2053, ML2055, ML2056, ML2057, ML2058, ML2059, Ml2062, ML2065) (Supplied with inside trim only. Includes cylinder)	M30
Working trim only (HS) (VR)	M31
Ergonomic Thumbturn Lever	M34
Latch hold back (for ML2042, ML2052, ML2055, ML2051, ML2057 only)	LHB**

*Not available with Vineyard™ or Muséo® levers.

** Must use A02 cam when LHB is specified

Door Thickness

Door Thickness	Sectional Trim - Specify	Escutcheon* Trim - Specify
1-3/8"(35mm)**	D138	D138
1-3/4"(44mm)	(standard)	(standard)
1-7/8"(48mm)	D178	D178
2" (51mm)	D200	D200
2-1/8" (54mm)	D218	D218
2-1/4" (57mm)	D214	D214
2-3/8" (60mm)	D238	D238
2-1/2" (64mm)	D212	D212
2-5/8" (67mm)	D258	D258
2-3/4" (70mm)	D234	D234
2-7/8" (73mm)	D278	D278
3" (76mm)	D300	D300
3-1/8" (79mm)	D318	D318
3-1/4" (83mm)	D314	D314
3-3/8" (86mm)	D338	D338
3-1/2" (89mm)	D312	D312
3-5/8" (92mm)	D358	D358
3-3/4" (95mm)	D334	D334
3-7/8" (98mm)	D378	D378
4" (102mm)	D400	D400

* For 2-3/8" (60mm) to 4" (102mm) door thickness: throughbolts and thumbturn lever spindle for 4" door will be provided; may be field cut. "R" & "L" escutcheons only available 1-3/8" (35mm), 1-3/4" (44mm), and 2-1/4"(57mm).

** 1-1/16" (27mm) front standard for 1-3/8" (35mm) door

(VR) Vandal Resistant trim accommodates doors 1-3/4" (44mm) to 2-1/4"(57mm). Door thicknesses other than 1-3/4" (19mm) must be specified.

Strikes

Available for ML2000HS and ML2000VR

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
7/8" (22mm)	SS078	N/A
1-1/8" (29mm)	(standard)	SA118
1-1/4" (32mm)	SS114	SA114
1-3/8" (35mm)	SS138	SA138
1-1/2" (38mm)	SS112	SA112
1-3/4" (44mm)	SS134	SA134
2" (51mm)	SS200	SA200
2-1/4" (57mm)	SS214	SA214
2-1/2" (64mm)	SS212	SA212
2-3/4" (70mm)	SS234	SA234
3" (76mm)	SS300	SA300

Open Back Strike	Door Thickness	Specify
	1-3/4" (44mm)	SB134
	2" (51mm)	SB200
	2-1/4" (57mm)	SB214
Rabbeted front and strike	–	Specify SR118

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Quick Codes

ML2000 and ML20900 ECL

Handing

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

Electric Accessories

Description	Specify
Power supply 1.0 Amp @ 12 VDC output	BPS-12-1
Power supply 3.0 Amp @ 12 VDC output	BPS-12-3
Power supply 1.0 Amp @ 24 VDC output	BPS-24-1
Power supply 2.0 Amp @ 24 VDC output	BPS-24-2
Power supply 4.0 Amp @ 24 VDC output	BPS-24-4

Electric Monitor Options (ML20900 Series Only)

Description	Specify
Latchbolt Monitor	M91
Request to Exit	M92
Security Monitor	M105

These options may be ordered together only as follows: M91xM92, M92xM105.

Voltage

Description	Specify
12 volt alternating current/direct current	12AD
24 volt alternating current/direct current	24AD

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How To Specify

ML2000

ML2000 Series Suggested Specification

All locksets shall be ML2000 Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware.

Locks shall have all functions available in one size case, manufactured from heavy-gauge steel, minimum thickness 3/32" (2mm). The handing of all locks shall be reversible without the disassembly of the lockcase. Cases are to be closed on all sides to protect internal parts. Locks are to have adjustable, beveled and armored fronts, standard 2-3/4" (70mm) backset, a full 3/4" (19mm) throw two-piece mechanical anti-friction latchbolt, and a one-piece stainless steel 1" (25mm) throw deadbolt, and shall be available for a minimum door thickness of 1-3/8" (35mm). Internal parts shall be heavy-gauge steel, zinc dichromate plated for corrosion resistance.

All locksets with latchbolts, regardless of trim, shall be listed by Underwriters Laboratories for A label and lesser class doors, 4' x 10' single or 8' x 10' pair.

Locksets to be used on specified exterior doors or doors subject to special atmospheric conditions (roofs, pool areas, chemical laboratories, sewage disposal plants, etc.) shall have non-ferrous lock cases and critical internal components.

Cylinder options shall include master ring, flexible head, concealed shell, interchangeable core, security, blockouts and Pyramid types.

Lock trim (knob, lever, sectional or escutcheon) shall be throughbolted through the lockcase to ensure correct alignment and proper operation.

Certification:

UBC - 7 - 2(1997) and UL10C - Positive Pressure
Federal Specification FF-H-106G
ANSI A156.13 Series 1000, Grade 1
ANSI A117.1, Accessibility Code, 1989 (formerly Title 19, California State Fire Marshal Standard) (lever handle trim).

All locks, trim, and cylinders shall be from one manufacturer.

All locksets shall carry a ten-year limited warranty.

ML2000 Series Mortise Locksets with Vandal Resistant Trim Suggested Specification

All locksets shall be ML2000VR Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware.

Locks shall have all functions available in one size case, manufactured from heavy-gauge steel, minimum thickness 3/32" (2mm). The handing of all locks shall be reversible without the disassembly of the lockcase. Cases are to be closed on all sides to protect internal parts. Locks are to have adjustable, beveled and armored fronts, standard 2-3/4" (70mm) backset, a full 3/4" (19mm) throw two-piece mechanical anti-friction latchbolt, and a one-piece stainless steel 1" (25mm) throw deadbolt, and shall be available for a minimum door thickness of 1-3/4" (44mm). Internal parts shall be heavy-gauge steel, zinc dichromate plated for corrosion resistance.

High security escutcheon trim shall be cast (stainless) steel with tapered design top and bottom to resist forced entry, excessive abuse and vandalism. Size to be 8-1/2" (216mm) high x 2-1/8" (54mm) wide x 5/16" (8mm) thick with double throughbolts and 2 post lugs to receive torx® pin tamper-resistant security screws through both escutcheons. Alignment posts shall be located over and under the spindle for rigidity and security and shall project through the lock case to ensure proper alignment. Escutcheons to accept cast levers (Newport or Citation) which accept free-floating spindles with a torque resistance of 700 inch lbs. Size of spindle to be 5/16" (8mm) and extend from both sides of the escutcheon. Levers will remain attached if spindle is broken. Lobular torx® pin drive self-tapping screws and lobular throughbolts furnished standard for vandal resistance.

Locksets that are to be used on specified exterior doors or doors subject to special atmospheric conditions (roofs, pool areas, chemical laboratories, sewage disposal plants, etc.) shall have non-ferrous lock cases and critical internal components.

Locksets to be furnished standard with conventional 6-pin fixed core cylinders. Optional cylinders shall include IC, blockout, security and Pyramid. Furnish a tapered vandal-resistant cylinder collar where necessary.

Certification:

UBC - 7 - 2(1997) and UL10C - Positive Pressure
Federal Specification FF-H-106G
ANSI A156.13 Series 1000, Grade 1
ANSI A117.1, Accessibility Code, 1989 (formerly Title 19, California State Fire Marshal Standard) (lever handle trim).

All locks, trim, and cylinders shall be from one manufacturer.

All locksets shall carry a ten-year limited warranty.

Mortise Locksets ML2000HS High Security Series Suggested Specification

All locksets shall be ML2000HS Series High-Security Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware.
Locks shall be manufactured from heavy-gauge steel, minimum thickness 3/32" (2mm). Cases are to be closed on all sides to protect internal parts. Locks are to have adjustable, beveled and armored fronts, standard 2-3/4" (70mm) backset, a full 3/4" (19mm) throw two-piece mechanical anti-friction latchbolt, and a one-piece stainless steel 1" (25mm) throw deadbolt. Internal parts shall be heavy-gauge steel, zinc dichromate plated for corrosion resistance.

High-security trim shall be cast brass or bronze, designed to resist forcible removal. Knobs shall have 3/8" (10mm) spindles on both sides and shall be attached to the escutcheons. Escutcheons shall be 8-1/2" (216mm) x 1-3/4" (44mm) x 3/8" (10mm) thick, having a 30° chamfer at top and bottom to resist forcible removal. Locksets shall be furnished with 4 through bolts and 2 post lugs to receive security screws through both escutcheons. Alignment posts shall be located over and under the knob spindle for rigidity and security, and shall project through the lockcase to ensure proper alignment. Cylinders shall be mounted flush with the escutcheon. All exposed screws shall be security type.

Certification:
UBC - 7 - 2(1997) and UL10C - Positive Pressure
Federal Specification FF-H-106G
ANSI A156.13 Series 1000, Grade 1
ANSI A117.1, Accessibility Code.

All locks, trim, and cylinders shall be from one manufacturer.

All locksets shall carry a ten-year limited warranty.

ML20900 ECL Series Suggested Specification

Locksets shall be ML20900 ECL Series Electrically Controlled Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware.

Functions available shall be in one size case, manufactured from heavy gauge steel, minimum thickness 3/32". Cases shall be closed on all sides to protect internal parts. Locks shall have adjustable, beveled and armored fronts, standard 2-3/4" backset and a full 3/4" throw two-piece mechanical anti-friction latchbolt, and shall be available for a minimum door thickness of 1-3/4". Internal parts shall be heavy gauge steel, zinc dichromate plated for corrosion resistance.

The locking solenoid shall be self-contained in the mortise lockcase, allowing the lockset to be installed in a standard mortise door preparation with a slight modification by door manufacturer.

ML20900 ECL shall be available 12 or 24 volt, AC/DC, and fail safe or fail secure. Lockset shall include an internal rectifier. Locksets with latchbolts, regardless of trim, shall be listed by Underwriters Laboratories for A label and lesser class doors, 4' x 10' single or 8' x 10' pair.

Mechanical cylinder override shall be available. Optional cylinders shall include flexible head, concealed cylinder shell, interchangeable core, security and blockout types. Lock trim (knob, lever, sectional or escutcheon) shall be through-bolted through the lockcase to ensure correct alignment and proper operation.

Certification:
Federal Specification FF-H-106C
ANSI A156.13 Series 1000, Grade 1
ANSI A117.1 Accessibility Code (lever handle trim)
California State Reference Code, 1989 (formerly Title 19,
California State Fire Marshal Standard) (lever handle trim)

Locks, trim and cylinders shall be from one manufacturer.

Locksets shall carry a one-year limited warranty.

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Reversing Handing

ML2000

Instructions for reversing the hand of the ML2000.

Step 1) Move the Red locking screw to side of lock-body being locked (Fig. 1)

Step 2) Push in latch then depress catch plate with screw driver (Fig. 1)

Step 3) Pull latch out of lock-body and turn latch over (Fig. 2)

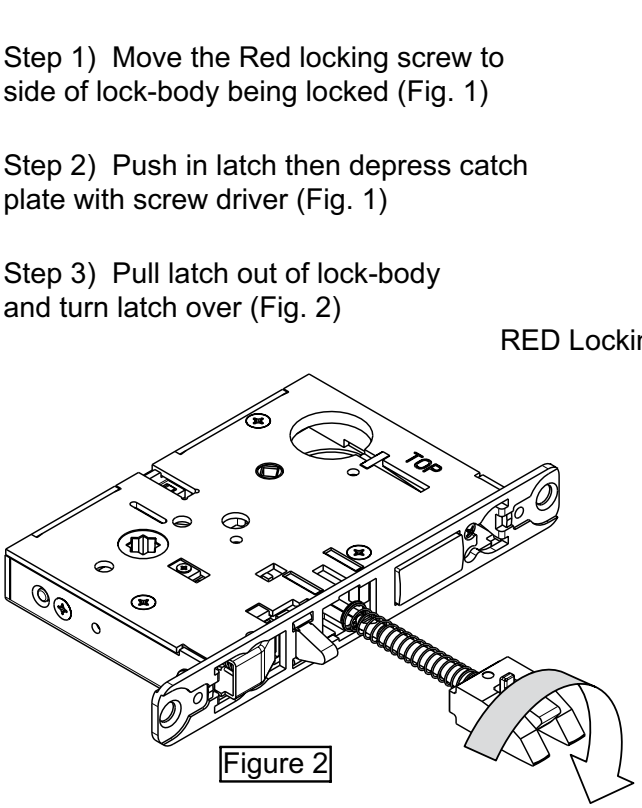


Figure 1

Figure 2

Step 4) Push in latch while holding screw driver behind latch tail (Fig. 3)

Note: Push in latch until catch plate is no longer depressed (Fig. 4)

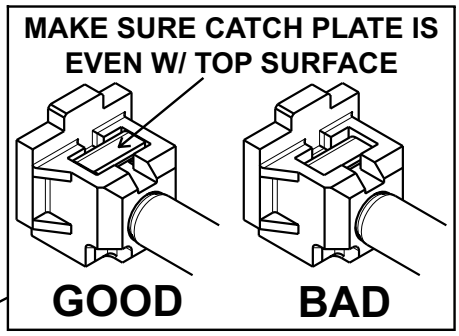


Figure 4

Step 5) Rotate lock front to match bevel of door as shown (Fig. 5)

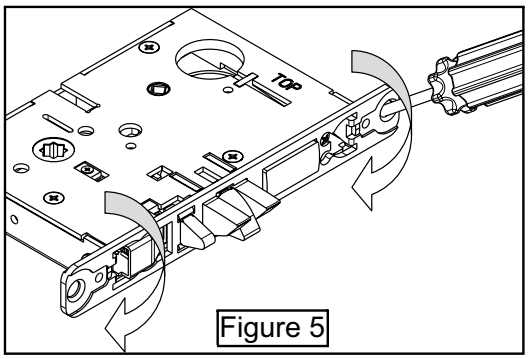


Figure 5

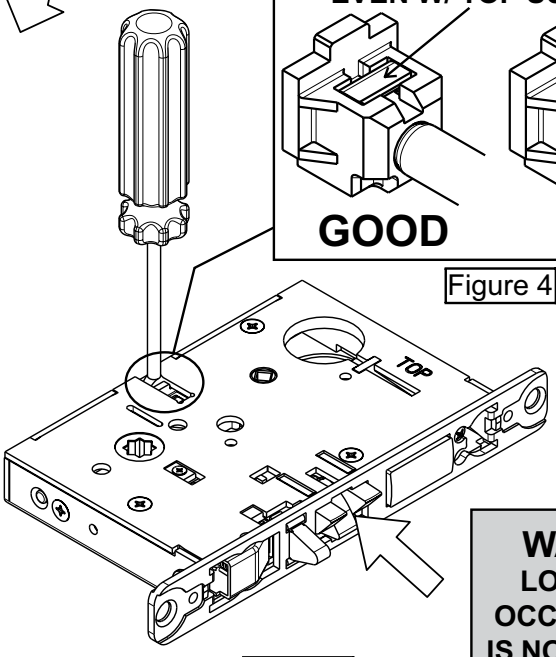


Figure 3

WARNING:
LOCK-IN CAN OCCUR IF LATCH IS NOT PROPERLY INSTALLED

Notes

ML2000

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For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

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ElectroLynx®
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45300-1/12R