D Series (Russwin®)
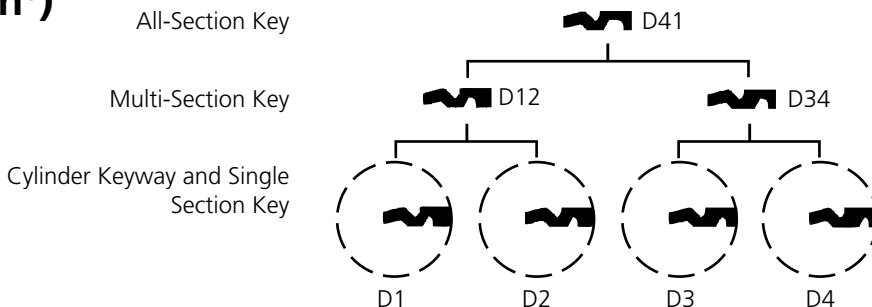
4 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.
Reverse of L Series.

Security

Available

All-Section Key — D41
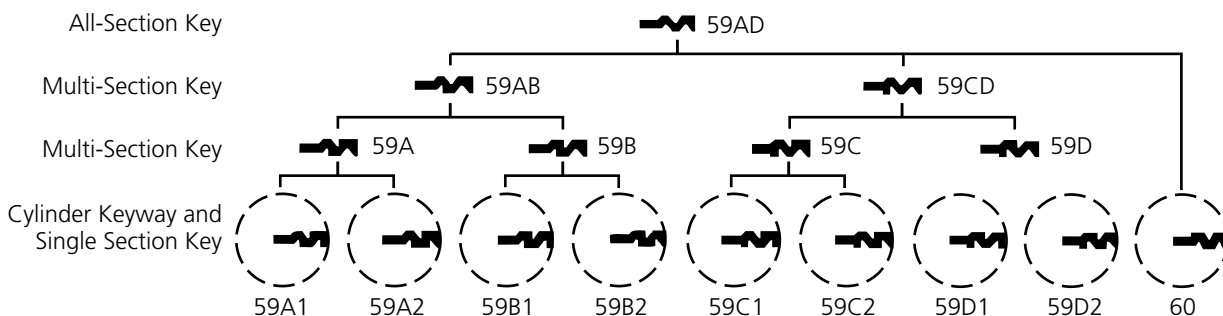
Multi-Section Key — D12 — D34

Cylinder Keyway and Single Section Key

D1 D2 D3 D4

59 Series (Corbin®)

9 keyway
multiplex system.
Available 5-, 6-
and 7-pin.
Z Class bitting.

Security

Available

All-Section Key — 59AD

Multi-Section Key — 59AB — 59CD

Multi-Section Key — 59A — 59B — 59C — 59D

Cylinder Keyway and Single Section Key

59A1 59A2 59B1 59B2 59C1 59C2 59D1 59D2 60

H Series (Russwin)

8 keyway
multiplex system.
Available 5-, 6-
and 7-pin.
DH Class bitting.

Security

Available

All-Section Key — H81

Multi-Section Key — H41 — H85

Multi-Section Key — H12 — H34 — H56 — H78

Cylinder Keyway and Single Section Key

H1 H2 H3 H4 H5 H6 H7 H8
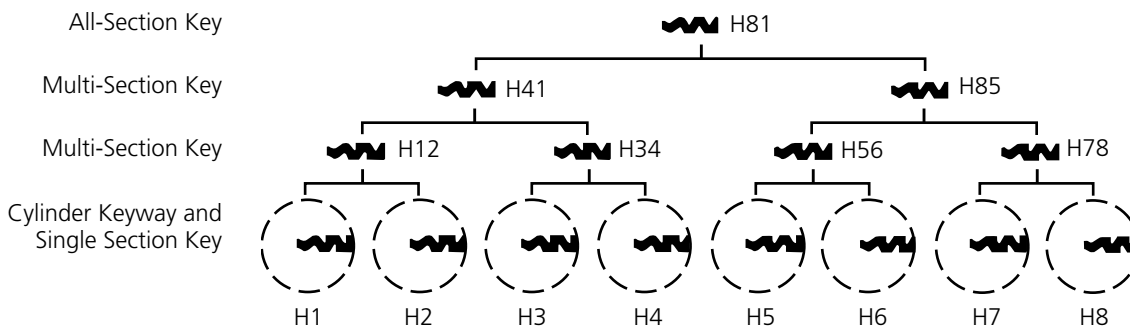
70 Series (Corbin)

Simplex Keyway.
Z Class bitting.
Reverse of 60.

Security

Available

70

ASSA ABLOY, the global leader in door opening solutions
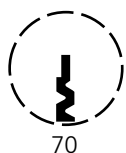
The one-piece escutcheon of the motorized mortise lock product has a clean, crisp design and is available with a variety of lever designs and hardware finishes. ML20800 mortise locks are ideal for business and facility entrances, computer room areas, telephone rooms, health clubs, and child care facilities. Ecoflex™ technology offers improved battery life.

Mortise Lock
ML20800

Features

Handing
Handed; quick reversibility. The lockset can be re-handed without disassembling the lock body

Door Thickness
1-3/4" (44mm) standard.
Optional 2" (50mm) to 2-1/4" (57mm).

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

Lockcase
Heavy-gauge chrome plated 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 non-beveled and beveled doors 1/8" (3mm) in 2" (51mm).

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

Latch
Patented, quick, reversible 2-piece mechanical with anti-friction insert 5/8" (16mm) x 1" (25mm) x 3/4" (19mm). U.S. Patent #6,349,982.

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.

Lever Trim
Free floating, to fit doors 1-3/4" (44mm) to 2-1/4" (57mm).

Hub
Steel, 5/16" (8mm).

Strike
Wrought brass 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.

Cylinder
1000-138-A01, 6-pin, L4, keyed random, furnished standard for 1-3/4" (44mm) door. Optional cylinders available.

Batteries
Operates with 6 AA batteries (included).

Operations
Typical 80,000 per set of batteries.
RF technology will limit battery life to approximately 4-1/2 months.

Optional Power Supply
9VDC output. Operates 2 each *Access 800* locks. Specify 784 when ordering.

Warranty
10-year limited mechanical.
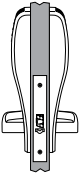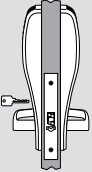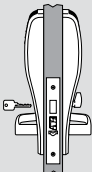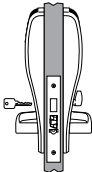2-year limited electrical.

Certification/Compliance

ANSI
Meets A156.13, Grade 1 requirements.
Meets A117.1 Accessibility Code.
Meets A156.25 requirements.

Credential Quick Codes

Description	Specify
Credential for 100 User	
Keypad Only	M800
Credentials for 2000 User	
Keypad Only	M801
Prox Only	M802
Keypad/Prox	M803
Keypad/RF	M804
Prox/RF	M805
Keypad/Prox/RF	M806

ML20800 AC2 Mortise Lock

Access 800® AC2

| Outside	Inside	Series/Function	Type	Function Description
		ML20833 Without Cylinder or Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered
		ML20834 With Cylinder Without Deadbolt	Entry	• Deadlocking latch • Latch retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered • Key outside retracts latch • No deadbolt function
		ML20835 Without Cylinder With Deadbolt	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever at all times • Outside lever rigid except when in "passage" mode or valid user code entered • When deadbolt thrown, outside lever operable only with emergency code or master code
		ML20836 With Cylinder and Deadbolt	Entry	• Deadlocking latch • Latch and deadbolt retracted by inside lever and deadbolt at all times • Outside lever rigid except when in "passage" mode or valid user code entered • Key outside projects or retracts deadbolt and retracts latch • When deadbolt projected, outside lever operable only with emergency code, master code, or key (key retracts deadbolt and latch)
		ML20837 With Deadbolt and Inside	Dormitory Entry	• Deadlocking latch • Dorm room application for students using proximity cards • Prevents students from locking themselves out of dorm rooms • Controller to be configured at factory for dorm room application • Available with M802 and M803 Quick Codes • Latch and deadbolt retracted by inside lever, placing lock in passage mode; must present valid user code to secure door upon exit

Escutcheons

- Zinc die cast
- Lowest projection 11/16" (17mm) less lever
- Highest projection 1-5/8" (41mm)
- Tactile keypad
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/invalid entries
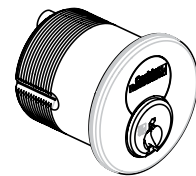- Keys/buttons with double shot mold construction prevents wear

Outside
4" (102mm)
13-1/8" (333mm)

Inside
4" (102mm)
13-1/8" (333mm)
2" (51mm)
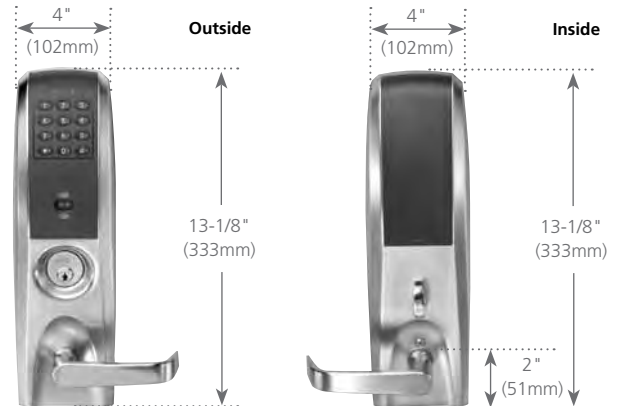
Cylinders

- Conventional (standard for ML2000)
- Security (standard for ML2000HS)
- Pyramid
- Interchangeable Core (IC)
- 2 nickel silver keys
- Finishes: See Key Systems and Pyramid

Conventional (Fixed Core)
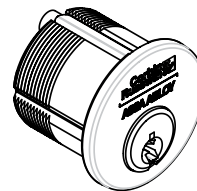
Interchangeable Core (IC)

Pyramid Shown

Cylinder Quick Codes

Mortise Cylinder Type	Keyed Functions for 1-3/4" Door
Pyramid High Security (PHS)	1020-114-A01
Pyramid High Security Interchangeable Core (PCHS)	1030-138-A01
Pyramid Security (PS)	1027-114-A01
Pyramid Security IC (PCS)	1037-138-A01
Conventional 6-pin	1000-138-A01
7-pin (7P)	1000-138-A01-7
6-pin IC (C6)	1080-138-A01
7-pin IC (C7)	1080-112-A01-7
Security IC (CHS)	1090-138-A01
Security (HS)	1010-138-A01

For complete Pyramid information and options refer to Pyramid catalog.

To order optional cylinder with lockset, see Quick Codes, page 17.

To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 1000-138-A01 x L4 x 626).

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
Optional lip lengths: 7/8" (22mm), 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)

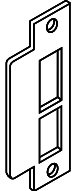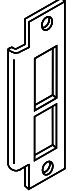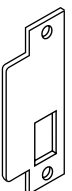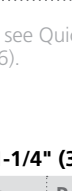*ANSI Curved Lip*
Brass, Bronze or Stainless Steel
Handed 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center
Optional lip lengths: 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)
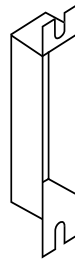
ANSI Wrought Strike Box
To order with lockset; see Quick Codes, page 17. To order separately, specify 120F768.

	Part No.	Description
Latchbolt X Deadbolt	236L72	Straight Lip
	340L60	Curved Lip for RH, LHR
	340L61	Curved Lip for LH, RHR
Latchbolt Only	236L73	Straight Lip
	340L62	Curved Lip for RH, LHR
	340L63	Curved Lip for LH, RHR

To order strike with lockset, see Quick Codes, page 17. To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).

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

| Hand	Door Thickness	Part
LHL	1-3/4" (44mm)	411L63016
	2" (51mm)	411L63018
	2-1/4" (57mm)	411L63020
RHR	1-3/4" (44mm)	411L62016
	2" (51mm)	411L62018
	2-1/4" (57mm)	411L62020
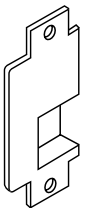
To order with lockset; see Quick Codes, pg. 17. To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).

Rabbeted Front and Strike
Brass or bronze. For 1/2" (13mm) rabbet.
No optional lip lengths.

	Part No.	Hand
Latchbolt x deadbolt	318F66	RH/LHR
	318F69	LH/RHR
Latchbolt only	318F64	RH/LHR
	318F67	LH/RHR
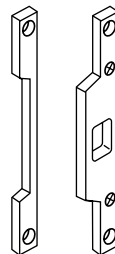
To order with lockset; see Quick Codes, page 17. To order separately, specify Part No. x Finish (e.g., 318F66 x 626).

Standard

	ML20800
Armstrong	ASZ
Newport	NSZ
Princeton	PSZ
Citation	CSZ
Dirke	DSZ
Essex	ESZ
Lustra	LSZ
Regis	RSZ

Armstrong   Citation   Dirke   Essex*

Lustra*   Newport*   Princeton*   Regis

Vineyard™

Frascati	FSZ
Merlot	MSZ
Tuscany	TSZ
Zinfandel	ZSZ

Frascati   Merlot   Tuscany*   Zinfandel

Muséo®

GEORGIA

102	102Z
103	103Z
104	104Z
124	124Z
125	125Z

102   103   104   124*   125*

SALVADOR

106	106Z
107	107Z
108	108Z
109	109Z
110	110Z
123	123Z
128	128Z
129	129Z

106   107   108   109*

110   123*   128*   129*

MARC

111	111Z
112	112Z
113	113Z
114	114Z
115	115Z
116	116Z
130	130Z
131	131Z
132	132Z

111   112   113   114   115

116   130*   131*   132*

PABLO

117	117Z
126	126Z

117   126*

JACKSON

119	119Z
121	121Z
122	122Z
127	127Z

119   121   122   127*

PIET

21G	21GZ
21L	21LZ
21M	21MZ
21S	21SZ
21W	21WZ
23M	23MZ
25M	25MZ
27M	27MZ

21G   21L   21M   21S   21W   23M   27M

ASSA ABLOY, the global leader in door opening solutions

45014-2/14

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

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Ordering Examples

Stock Order

Quantity	Series/Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
24	ML20834	TCAC2	LSZ	626	RHR	M803

Split Trim/Finish Order

Quantity	Series/Function	Technology Code	Trim Outside	Trim Inside	Finish Outside	Finish Inside	Hand	Credential Quick Code
24	ML20834	TCAC2	LSZ	CSZ	626	606	RHR	M803

Contract/Detailed Order

Quantity	Keyset	Series/ Function	Technology Code	Trim	Finish	Hand	Door Thickness	Optional Strike	Credential Quick Code	Optional Cylinder	Keying
24	AA1	ML20834	TCAC2	LSZ	626	RHR	D214	SA200	M803	C7	VKC3

Handing

LH
Left Hand

RH
Right Hand

LHR
Left Hand Reverse

RHR
Right Hand Reverse
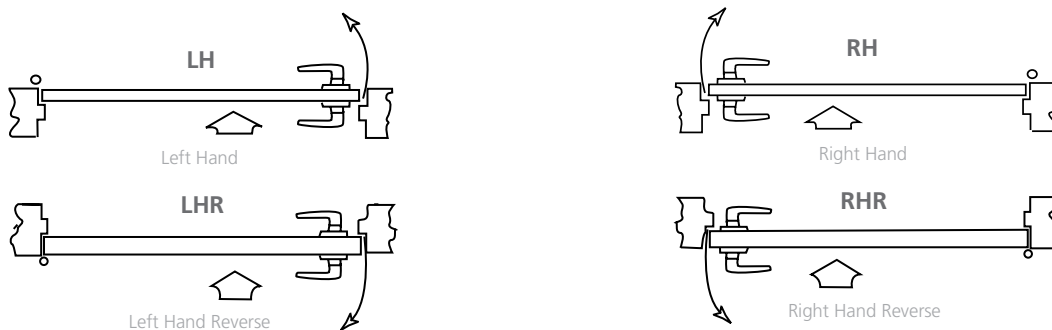
Note: Arrow indicates secure side of door.

Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
CI 6-pin Less Core	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Security	HS
Security IC	CHS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with Temporary Construction Core	CTP
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
Keyed Random (Standard)	KR
Construction Master Eyed (not available for Pyramid)	CMK
Visual Key Control	
- 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

Cylinders and Keying (Cont.)

Description	Specify
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)

Finish

Description	Specify
Polished Brass, Clear Coated	605
Satin Brass, Clear Coated	606
Polished Bronze, Clear Coated	611
Satin Bronze, Clear Coated	612
Dark Oxidized Satin Bronze, Oil Rubbed	613
Dark Oxidized Satin Bronze - Equivalent	613E
Dark Oxidized Satin Bronze, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Black Oxidized Bronze, Oil Rubbed	722

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box	M17
Knurling outside and inside*	M20
Knurling outside only*	M21
Knurling inside only	M22
Abrasive coat outside and inside*	M23
Abrasive coat inside only*	M24
Abrasive coat outside only	M25
Power/Remote Unlocking Harness	M35
Forced/Propped Door**	M861

*not available with Vineyard or Museo levers.
**not compatible with M800

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Credential Quick Codes

Description	Specify
Credential for 100 User	
Keypad Only	M800
Credentials for 2000 User	
Keypad Only	M801
Prox Only	M802
Keypad/Prox	M803
Keypad/RF	M804
Prox/RF	M805
Keypad/Prox/RF	M806

Strikes

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
7/8" (22mm)	SS078	N/A
1-1/8" (29mm)	(standard)	N/A
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

Handing

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