



ASSA ABLOY

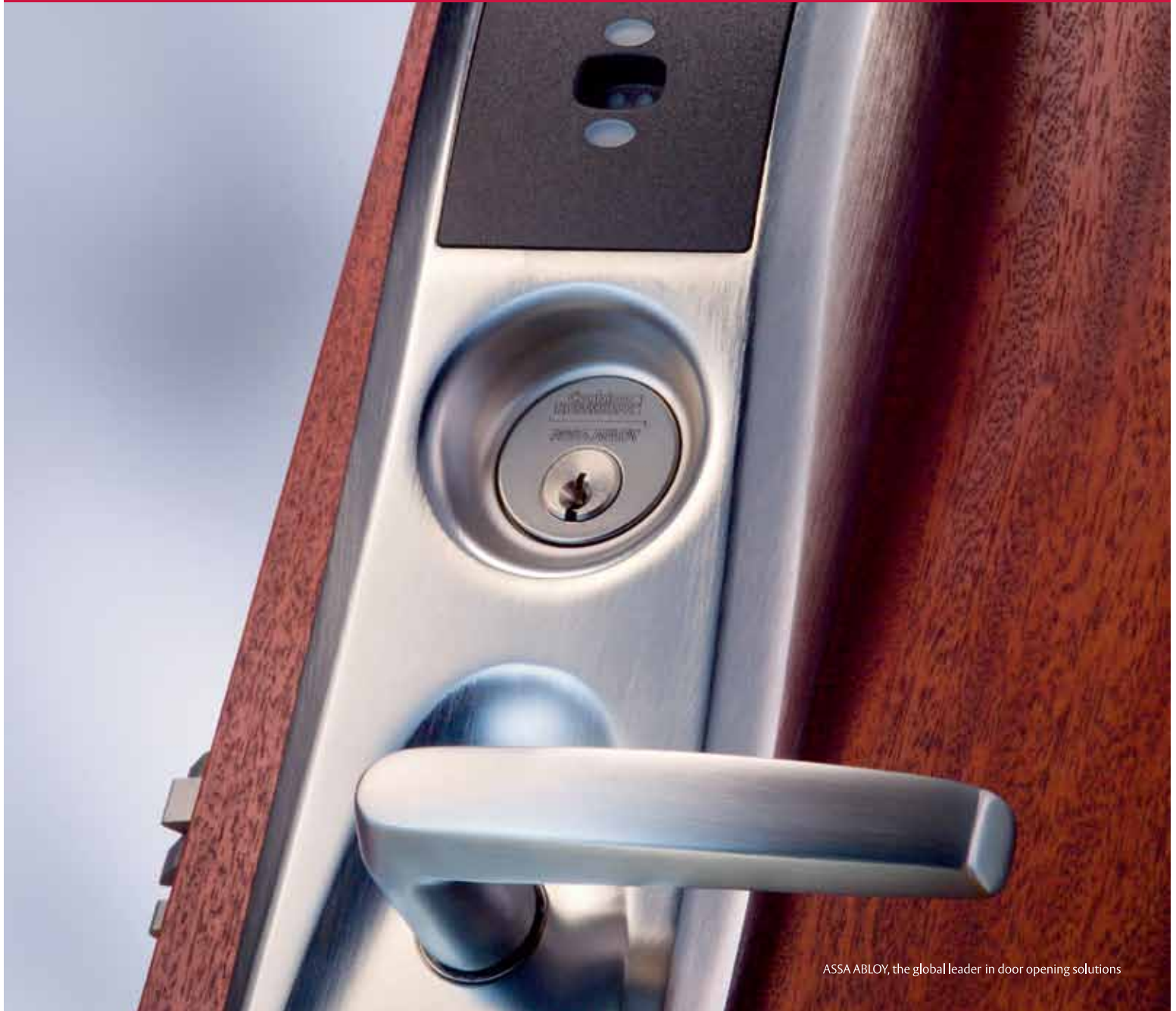
MULTI-SERIES CATALOG

Access Control	
Access 800 AC2 Catalog	2
Auxiliary Lock	
Auxiliary Lock	43
Cylindrical Locksets	
CL3100 Series	55
CL3300 Series	71
CL3500 Series	91
CL3700 Series	103
CL3800 Series	111
CK4200 Series	127
CK4400 Series	143
CK4700 Series	155
Key Systems/Cylinders	
Key Systems	167
Pyramid	223
Door Closers	
DC3000 Series	243
DC5000 Series	259
DC6000 Series	271
DC62900 Series	296
DC8000 Series	312
Exit Devices	
ED4000 Series	343
ED5000 Series	383
ED6000 Series	447
ED7000 Series	487
ED8000 Series	515

<i>Decorative Levers and Trim</i> _____	
Museo _____	535
Vineyard _____	551
<i>Mortise Locksets</i> _____	
ML2000 & ML20900 ECL Series _____	563
<i>Multi-point Locks</i> _____	
FE5400S Series _____	639
FE6700 Series _____	663
FE6800 Series _____	675
<i>Speciality Hardware</i> _____	
Speciality Hardware _____	687
<i>Tubular Locks</i> _____	
TL3700 Series _____	719
<i>Unit Locksets</i> _____	
Unit Locksets _____	731

Access
800® | AC2

Stand-alone Access Control



Applications



Index

Applications.....	2
Overview	3-4
Features.....	5
100 User Mode (M800) Features.....	6
2000 User Mode Features.....	7-8
ML20800 Mortise Locks	
Features.....	9
Functions.....	10
Escutcheons & Cylinders	11
Options & Accessories.....	12
Available Trim Options	13-14
How to Order	15-16
Quick Codes	17
CL33800 Cylindrical Locks	
Features.....	18
Features & Functions.....	19
Options & Accessories.....	20
Available Trim Options & How to Order	21
Quick Codes	22
ED5000 Series Exit Devices	
Features.....	23-24
Functions.....	25
Options & Accessories.....	26
Available Trim Options	27-28
How to Order	29-30
Quick Codes	30-31
WM800 Reader/Controller	
Features.....	32
SoloPlus™ Software	33
ASSA ABLOY Data Transfer Device ...	33
Options & Accessories.....	34-36
Architectural Specifications .	37
Quick Code Index	38-39

The Access 800 AC2 series of stand-alone access control products provides the user with a broad selection of technologies, features and mechanical locking means housed in a sleek, architecturally pleasing design. From the basic keypad-programmed M800 option to the full-featured M806, programmed via data transfer device (DTD) or a PDA, all units utilize a battery-powered micro-processor-based controller with non-volatile memory to preserve user coding. All technology features are supported by the physical security of a Corbin Russwin ANSI/BHMA Grade 1 mechanical locking device: mortise, cylindrical or exit device.

These locking devices allow for electronic control over the optimum mechanical lock and are UL Listed for use on fire doors*. Trims and finishes along with the various technology offerings combine for a cost effective continuity of design.

The keypad option features user codes that can vary from 1 to 6 digits and utilizes a master code to program the lock in a variety of modes. These modes allow the operation of the lock to be tailored to the opening and individual user. Typical modes include panic, adjustable momentary unlock and passage.

SoloPlus software allows you to meet your facility's needs while maintaining a stand-alone, single door electronic access control system.

* 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.

Applications

- Remote locations
- Building perimeter
- High security areas
- Restricted access
- Retrofit applications where hardwiring is not practical

Advantages

- Bundled unit
- Economic (low cost) versus hard wired magnetic lock/stand-alone reader
- Backwards compatibility and audit trail capable
- Similar features to online systems such as programmable time zones, holidays
- User groups (2000 users) & access level oriented format

Access 800® AC2 - Features

Corbin Russwin Access 800 AC2 Series' product enhancements help to further distinguish it as the right choice for a wide range of applications.

- **Forced Master Code Change** – from factory default for added security
- **Enrollment Station** enrolls 125 kHz Wiegand-format HID prox cards into SoloPlus™ software.
- **Force/Propped Door Alarm** provides an audible alarm if the door is held open for an extended period of time or forced open without the use of valid credentials.
- **Dorm Room Function for Mortise Option** prevents students from locking themselves out of their dorm room.
- **Temporary User Codes** allows temporary codes by number of uses, start and stop dates or total days after first use.

Overview



Cylindrical Lock - CL33800



Exit Device - ED5000 x 9800



Mortise Lock - ML20800

M800

100 user keypad only Stand-alone access control products are designed for areas that require authorized entry, such as stairwell doors, meeting rooms, company health clubs, etc. Microprocessor based technology with non-volatile solid state memory ensures that codes will not be lost even if the batteries stop functioning. The controller will hold a total of 100 different user codes and these codes can vary in length from one to six digits. All programming is done through the keypad.

M801

2000 user keypad only The M801 is ideal for dormitories, assisted living facilities, hospitals, retailers, apartments and office complexes. Programming is accomplished through the keypad for most basic functions or via SoloPlus™ software.

M802

2000 user proximity only The M802 provides a higher level of security. All programming must be handled through the *SoloPlus* software. It is ideal for high traffic applications where keypad usage is not desirable: universities, laboratories or hospitals. A "master" Comm Enable proximity card or fob is required to initiate programming of the lock.

M803

2000 user proximity/keypad The M803 stand-alone access control products offer the highest level of security and flexibility. These products can be programmed via keypad or *SoloPlus* requiring both a code (1-6 digits) and proximity card/key/tag presentation to gain entry. It can also be programmed for keypad or proximity presentation only.

M804

2000 user keypad and RF technology The M804 offers the convenience of the keypad along with the RF technology which allows for remote unlocking and locking of the unit. This configuration is ideal where security is a concern (offices and medical clinics).

M805

2000 user proximity and RF technology The M805 offers the additional security of eliminating the keypad with the convenience of remote unlocking and locking through the RF technology.

M806

2000 user keypad, proximity and RF technology The M806 offers all three technologies allowing the lock to be programmed to respond to any of the technologies as needed.

Features



Access	M800	M801	M802	M803	M804	M805	M806
Stand-alone Unit	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Keypad	Yes	Yes	-	Yes	Yes	-	Yes
Proximity	-	-	Yes	Yes	-	Yes	Yes
RF Technology	-	-	-	-	Yes	Yes	Yes
Programming	Keypad	DTD or a PDA/Keypad	DTD or a PDA	DTD or a PDA/Keypad	DTD or a PDA/Keypad	DTD or a PDA	DTD or a PDA/Keypad
Supports all HID Proximity Bit Format	No	-	Yes	Yes	-	-	Yes
DTD or a PDA	-	Yes	Required	Yes	Yes	Required	Yes
Directly Supports 26, 33 & 34 bit 125kHz HID Wiegand Formats ¹	No	-	Yes	Yes	-	Yes	Yes
Supports all 125kHz HID Wiegand (up to 40) Bit Formats with Enrollment Station	No	-	Yes	Yes	-	Yes	Yes
Non-volatile Memory	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power Requirements							
Battery Life (Estimate)	80,000 cycles	80,000 cycles	80,000 cycles	80,000 cycles	4-1/2 Mo.	4-1/2 Mo.	4-1/2 Mo.
Batteries	6 AA	6 AA	6 AA	6 AA	6 AA	6 AA	6 AA
Low Battery Indication	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hard Power Available	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Users & Codes							
Users Supported per Lock	100	2,000	2,000	2,000	2,000	2,000	2,000
Users Supported by Database	-	20,000	20,000	20,000	20,000	20,000	20,000
Audit Trail	1,000	2,000	2,000	2,000	2,000	2,000	2,000
Code: Number of Digits	1 to 6 Digits	1 to 6 Digits	-	1 to 6 Digits	1 to 6 Digits	-	1 to 6 Digits
Master, Emergency & Supervisory Codes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Standard, Extended Passage Codes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Panic, Lockout Codes	No	Yes	Yes	Yes	Yes	Yes	Yes
Comm Unlock, Relock Codes	No	Yes	Yes	Yes	Yes	Yes	Yes
Temporary User Codes	No	Yes	Yes	Yes	Yes	Yes	Yes
Features							
Real Time Clock with Date & Time	No	Yes	Yes	Yes	Yes	Yes	Yes
Up to 8 Time Zones per Lock	No	Yes	Yes	Yes	Yes	Yes	Yes
Holidays (16 Single & 16 Blocked)	No	Yes	Yes	Yes	Yes	Yes	Yes
Daylight Saving Time	No	Yes	Yes	Yes	Yes	Yes	Yes
Auto Unlock	No	Yes	Yes	Yes	Yes	Yes	Yes
Auto Unlock with First In	No	Yes	Yes	Yes	Yes	Yes	Yes
Unlock Time Adjustability	1-255 Sec	1-255 Sec	1-255 Sec	1-255 Sec	1-255 Sec	1-255 Sec	1-255 Sec
Audible Keystroke Beep Available	Yes	Yes	-	Yes	Yes	-	Yes
Remote Unlocking	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UL Listed for Fire Doors ²	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Note: Dash (-) Means either Not Available or Not Applicable

1. Directly supports credential formats with special requirements. Consult factory.

2. 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.

100 User Mode (M800) Features



Mortise shown

Quick Code Option M800 Keypad Operated Products

The Corbin Russwin 100 user, keypad-only stand-alone access control products are designed for areas that require authorized entry, such as stairwell doors, meeting rooms, company health clubs, etc. Microprocessor based technology with non-volatile solid state memory ensures that codes will not be lost even if the batteries stop functioning. The controller will hold a total of 100 different user codes and these codes can vary in length from one to six digits. All programming is done through the keypad.

Credential Quick Codes

Description	Specify
Credential for 100 User	
Keypad Only	M800

Access	M800
Stand-alone Unit	Yes
Keypad	Yes
Proximity	-
RF Technology	-
Programming	Keypad
Supports HID Proximity Bit Format	-
DTD or a PDA	-
Supports 26, 33 & 34 bit 125kHz HID Wiegand Formats ¹	-
Non-volatile Memory	Yes
Power Requirements	
Battery Life (Estimate)	80,000 cycles
Batteries	6 AA
Low Battery Indication	Yes
Hard Power Available	Yes
Users & Codes	
Users Supported per Lock	100
Audit Trail	1,000
Code: Number of Digits	1 to 6 Digits
Master, Emergency & Supervisory Codes	Yes
Standard, Extended Passage Codes	Yes
Panic, Lockout Codes	-
Comm Unlock, Relock Codes	-
Temporary User Codes	-
Features	
Real Time Clock with Date & Time	-
Up to 8 Time Zones per Lock	-
Holidays (16 Single & 16 Blocked)	-
Daylight Saving Time	-
Auto Unlock	-
Auto Unlock with First In	-
Unlock Time Adjustability	1-99 Sec
Audible Keystroke Beep Available	Yes
Remote Unlocking	Yes
UL Listed for Fire Doors ²	Yes

1. Directly supports credential with special requirements. Consult factory.
 2. 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.

2000 User Mode Features

Standard Features

- Audit Trail provides parameters such as access granted in, access denied, entry into programming mode, date, time, user and door information
- Low battery indication – four chirps after code entry. Master and emergency code will operate lock after the low battery indication period has passed and user codes no longer operate the lock
- Moisture resistant coating on electronics
- Entry of three wrong user codes in succession disables all codes for ten seconds
- UL Listed to U.S. and Canadian safety standards
- Forced and propped door option
- Weatherseal gaskets and conduit provided for use on exterior doors
- Remote power and request to enter available – requires wire harness and hard wiring
- One master code – forced master code change from factory default. Assigns emergency, supervisory and user codes and allows entry when deadbolt is thrown (mortise locks)
- Multiple supervisory codes – allow temporary lockout of selected users, change unlock time duration, request audit log and add user codes

- Emergency code – allows entry when deadbolt is thrown (mortise locks). Unlocks after the low battery indication period has passed and user codes no longer operate lock
- Temporary codes by number of uses (1-500), start and stop dates or total days after first use (24 hour specific)
- Maintained (passage) code – unlocks

Keypad Features

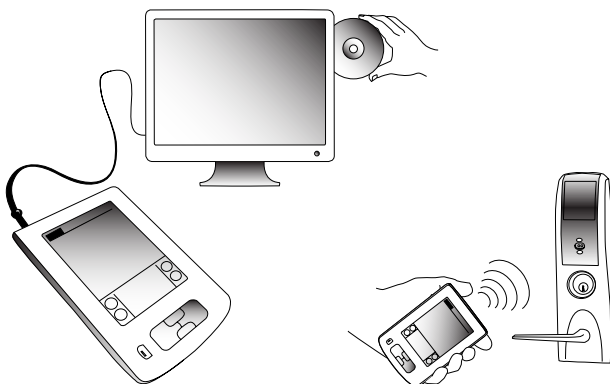
- LEDs on unit indicate status – green indicates unlocked; yellow indicates programming mode

Proximity Features

- Supports all HID 125 KHz Wiegand formats (up to 40 bit) by keypad presentation or when using proximity enrollment station with SoloPlus™ software
- Supports 26, 34 & Corporate 1000 (35 bit) HID formats with *SoloPlus* software programming

Credential Quick Codes

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



2000 User Mode Features



Software Features

SoloPlus™ Software

SoloPlus Software allows simple programming and interrogation of the *Access 800* access control products. This software provides the means for fast, convenient assignment of access levels, doors, users, time zones and management of multiple doors with full audit trail capability. Communication between the computer and lock controller is via DTD or a PDA that allows for quick and efficient program transfer and audit trail retrieval. For more information see page 33.



RF Fob

RF Fob

RF technology offers stand-alone access control enhancement by allowing the user to remotely control the lock by means of a hand-held transmitter (RF fob).



Outside Escutcheon
cylindrical shown

The *Access 800* lock is easily programmed for three primary RF actuation modes: Passage, Standard or Panic. RF technology is an additional means of operating the lock to direct keypad code entry or proximity credential presentation.

Three Primary Modes of RF Technology

Passage: Remotely toggle (lock/unlock) the unit which remains locked/unlocked until the RF Fob is pressed again. **Convenient applications:** To unlock doors for extended periods of time; employee entrances, office suites, etc.

Unlock/Relock: Remotely unlock for a defined period of time (1 to 255 seconds) and then automatically relock at the end of that time period. **Typical applications:** Security entrances, guard stations, anywhere an electric strike is not feasible and/or an audit trail is desired.

Panic: An RF fob set as a "Panic User" can be used to quickly and easily remotely lock entry doors during emergency situations to prevent entry by intruders. Remains locked until reset by Master code.



Inside Escutcheon



RF Actuation
Indicator

Features

- Available with keypad, keypad/proximity and proximity only models
- C-UL US Listed for fire doors¹
- Typical operating distance of 35 to 75 feet on inside of door; 10 to 25 feet on outside of door²
- Ideal for retrofit applications: Minimal door prep with no frame prep, wiring or external power supply needed
- Multiple RF Fobs may be programmed into a single lock
- LED indicator on inside escutcheon shows when RF lock is actuated
- Cylindrical, Mortise Lock and Exit Device versions
- Supported by *SoloPlus* software
- All user types, features for *Access 800* supported

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2. Operating distance may vary depending on building construction

Credential Quick Codes

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

Features



ML20800 AC2 Mortise Lock

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.



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

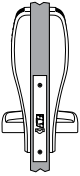
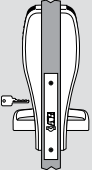

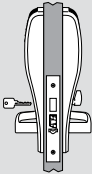

Meets A156.13, Grade 1 requirements.
Meets A117.1 Accessibility Code.
Meets A156.25 requirements.

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

Functions

ML20800 AC2 Mortise Lock

Outside	Inside	Series/Function	Type	Function Description
		ML20833 Without Cylinder or Deadbolt	Entry	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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

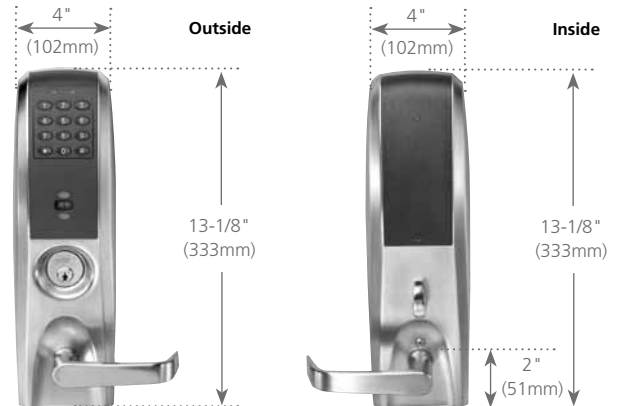
Escutcheons & Cylinders

ML20800 AC2 Mortise Lock



Escutcheons

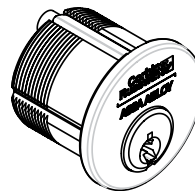
- Zinc die cast
- Lowest projection 11/16" (17mm) less lever
- Highest projection 1-5/8" (41mm)
- Tactile keypad
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/invalid entries
- Keys/buttons with double shot mold construction prevents wear



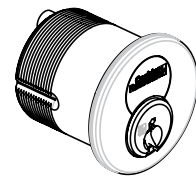
Cylinders

- 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).

Options & Accessories

ML20800 AC2 Mortise Lock



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

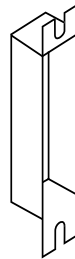
Optional lip lengths: 7/8" (22mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

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

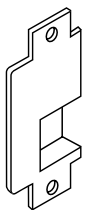
To order with lockset; see Quick Codes, page 17. To order separately, specify 120F768.

		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).

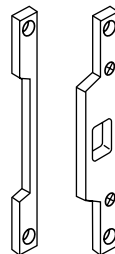
Open Back

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).

Available Trim Options

ML20800 AC2 Mortise Locks



Standard

		ML20800			
Armstrong	ASZ				
Newport	NSZ				
Princeton	PSZ	Armstrong	Citation	Dirke	Essex*
Citation	CSZ				
Dirke	DSZ				
Essex	ESZ				
Lustra	LSZ	Lustra*	Newport*	Princeton*	Regis
Regis	RSZ				
		Vineyard™			
Frascati	FSZ				
Merlot	MSZ				
Tuscany	TSZ	Frascati	Merlot	Tuscany*	Zinfandel
Zinfandel	ZSZ				
		Muséo®			
		GEORGIA			
102	102Z				
103	103Z				
104	104Z				
124	124Z	102	103	104	124*
125	125Z				
					125*
		SALVADOR			
106	106Z				
107	107Z				
108	108Z				
109	109Z	106	107	108	109*
110	110Z				
123	123Z				
128	128Z				
129	129Z	110	123*	128*	129*
		MARC			
111	111Z				
112	112Z				
113	113Z				
114	114Z	111	112	113	114
115	115Z				
116	116Z				
130	130Z				
131	131Z				
132	132Z	116	130*	131*	132*
		PABLO			
117	117Z				
126	126Z				
		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	21G	21L	21M	21S
25M	25MZ				
27M	27MZ				
					21W
					23M
					27M

Available Trim Options

ML20800 AC2 Mortise Locks

Muséo[®] Piet Lever Collection 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



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

* Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.

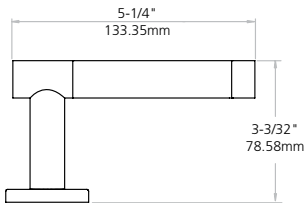
** Grip finish must match shank finish

How to Order

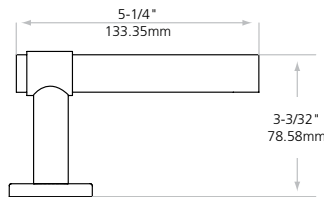


ML20800 AC2 Mortise Locks

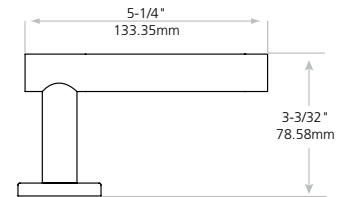
How to Order the Muséo® Piet Lever Collection



21G, 21L, 21M, 21S, 21W



23M



25M, 27M

Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	ML20834	TCAC2	21MZ	293029	625	RHR	M803

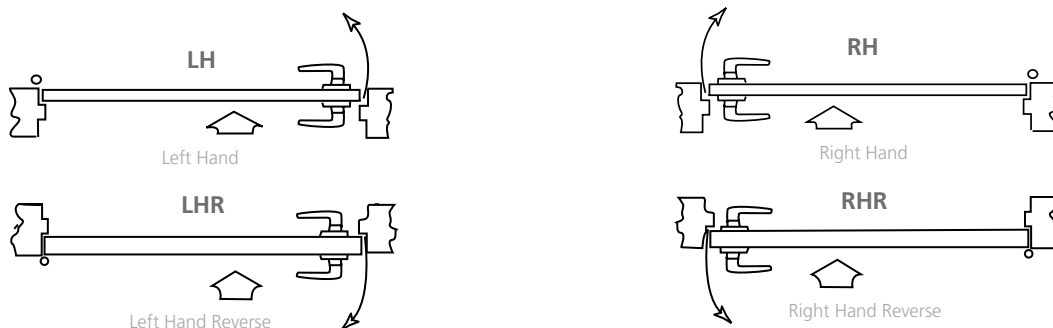
- › Muséo® Piet Lever 21M - Polished with Satin Insert
- › 293029 Lever Finish
- › Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
- › 625 Lock Finish

Stock Order

Quantity	Series/ Function	Technology Code	Trim	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	ML20834	TCAC2	21WZ	29BH29	625	RHR	M803

- › Muséo® Piet Lever 21W - Wood Insert
- › 29BH29 Lever Finish
- › Wood insert with polished stainless steel (629) shank and polished stainless steel (629) grip
- › 625 Lock Finish
- * Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.

Handing



Note: Arrow indicates secure side of door.

How To Order

ML20800 AC2 Mortise Lock



Ordering Examples

Stock Order

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

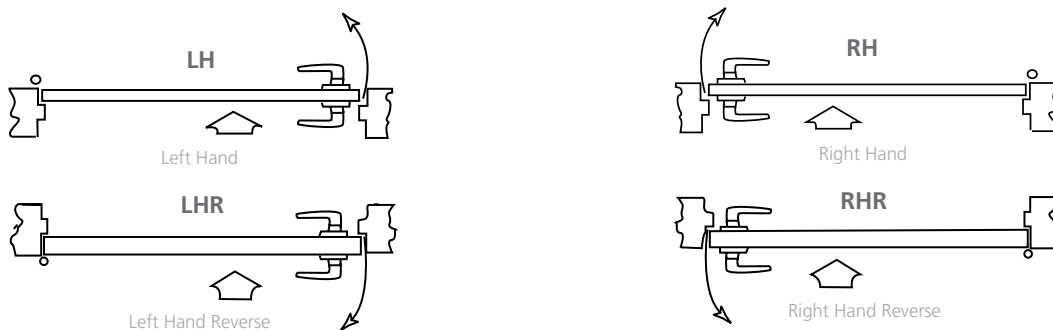
Split Trim/Finish Order

Quantity	Series/Function	Technology Code	Trim		Finish		Hand	Credential Quick Code
			Outside	Inside	Outside	Inside		
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



Note: Arrow indicates secure side of door.

Quick Codes



ML20800 AC2 Mortise Lock

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)
	KY#
More than 2 Keys	(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, 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

Features

CL33800 AC2 Cylindrical Lock



The motorized Access 800 CL33800 design provides uniformity when used with other Corbin Russwin CL3300 locks at a facility. Access 800 products offer access control solutions for meeting rooms, country club locker rooms and assisted living facilities. The product features three different lever designs, seven hardware finishes and cylinder override.



Features

Non-handed

Door Thickness

1-3/4" (44mm) to 2" (50mm) standard,
2" (50mm) to 2-1/4" (57mm) optional

Lock Chassis

Steel, zinc dichromated for corrosion
resistance.

Backset

2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm) and 5" (127mm).

Latchbolt

Stainless steel, 1/2" (13mm) throw.
Optional: 3/4" (19mm) throw deadlocking fire
latch for pair of doors.

Auxiliary Latchbolt

Deadlocking latchbolt prevents manipulation
when door is closed.

Front

Wrought brass or stainless steel,
2-1/4" (57mm) x 1-1/8" (29mm).
Accommodates non-beveled and beveled
doors 1/8" (3mm) in 2" (51mm).
Optional: rounded corners.

Strike

Wrought brass or stainless steel ANSI curved lip
standard, 4-7/8" (124mm) x 1-1/4" (32mm) x
1-1/4" (32mm) lip to center.
Optional strikes, lip lengths and ANSI wrought
strike box available

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard.

Keying Features Available

Master Keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC
Pyramid
Pyramid IC
Pyramid Security
Pyramid Security IC

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.

Keys

Two nickel silver standard.

Key Override

Standard not available without key override.

Optional Power Supply

9VDC output. Operates 2 each Access 800
locks. Specify 784 when ordering.

Warranty

7-year limited mechanical;
2-year limited electrical.

Features & Functions

CL33800 AC2 Cylindrical Lock



Certification/Compliance

ANSI/BHMA

Meets A156.2 Grade 1 requirements.

Federal

Meets FF-H-106C.

California State Reference Code

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

C-UL US

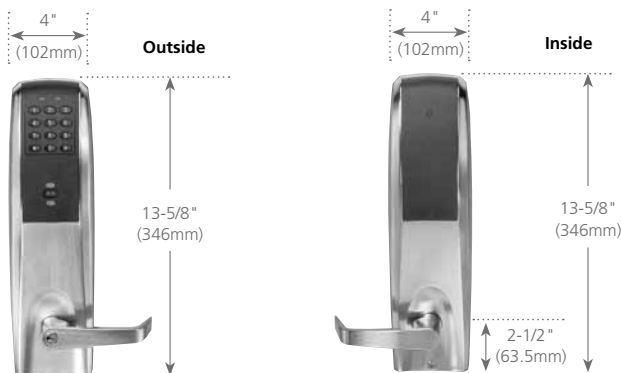
All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

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

Outside	Inside	Series/Function	Type	Function Description
		CL33834 With Cylinder	Entry	<ul style="list-style-type: none"> Latch retracted by inside lever at all times. Key outside retracts latch. Outside lever locked (freewheeling) except when in "passage" mode or valid user code entered.

Escutcheons

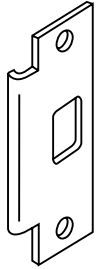


- Zinc die cast
- Lowest projection 11/16" (17mm) less lever
- Highest projection 1-5/8" (41mm)
- Tactile keypad
- Operating temperature -40°F (-40°C) to 135°F (57°C)
- LEDs indicate valid/invalid entries
- Keys/buttons with double shot mold construction prevents wear
- Freewheeling outside lever when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

Options & Accessories

CL33800 AC2 Cylindrical Lock

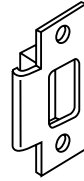
Strikes



ANSI Curved Lip (standard)

Brass or stainless steel,
4-7/8" (124mm) x 1-1/4" (32mm) x
1-1/4" (32mm) lip to center.
Optional lip lengths: 1" (25mm),
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).

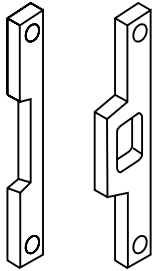
To order with lockset, see Quick Codes on page 22.
To order separately, specify 217L13 x
Lip Length x Finish.



Curved Lip Box

Brass, 2-3/4" (70mm) x 1-1/8" (29mm)
x 1-1/4" (32mm) lip to center.
Optional lip lengths: 1" (25mm), 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).

To order with lockset, see Quick Codes on page 22.
To order separately, specify 586L19 x
Lip Length x Finish.



Rabbeted Front and Strike

Brass, 4" (102mm) x 5/8"
(16mm) for 1/2" (13mm) rabbet.
No optional lip lengths.

To order with lockset, see Quick Codes
on page 22.
To order separately, specify 601F28
x Finish.



ANSI Wrought Strike Box

To order with lockset, see Quick Codes on page 22.
To order separately, specify 120F768.

Electrified Accessories





Description	Specify
Power Supply, 9VDC Output Operates 2 each Access 800 locks	784

Available Trim Options and How to Order



CL33800 AC2 Cylindrical Lock

Standard

Standard		CL33800		
Armstrong	AZZ			
Newport	NZZ			
Princeton	PZZ	Armstrong	Newport*	Princeton*
Vineyard™		CL33800		
Frascati	FZZ			
		Frascati		

Ordering Examples

Stock Order

Quantity	Series/ Function	Technology Code	Trim	Finish	Hand	Credential Quick Code
100	CL33834	TCAC2	NZZ	626	RHR	M803

Split Trim/Finish Order

Quantity	Series/ Function	Technology Code	Trim		Finish		Hand	Credential Quick Code
			Outside	Inside	Outside	Inside		
12	CL33834	TCAC2	NZZ	AZZ	626	625	LH	M803

Contract/Detailed Order

Quantity	Keypad	Series/ Function	Technology Code	Trim	Finish	Hand	Door Thickness	Backset	Optional Strike	Credential Quick Code	Optional Cylinder	Keying
24	AA1	CL33834	TCAC2	NZZ	626	RHR	D214	B334	SC114	M802	C6	VKC3

Quick Codes

CL33800 AC2 Cylindrical Lock



Cylinders and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less Cylinder(s)	LC
Security	HS
Security IC	CHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid Less Core	CLP
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin Less Core	CL6
IC 7-pin	C7
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
0-Bitted with 2 Blank Keys	(standard)
Keyed Random	KR
Construction Master Keyed	CMK
Visual Key Control (VKC)	
- No Bitting or Keyset Stamping on Keys	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, PCHS)	CKC3
2 Keys per Lock	(standard)
More than 2 Keys	KY# (e.g., KY6)
Schlage® C Keyway cylinder ¹	C
Schlage® LA Keyway cylinder ²	LA

1 Available 0-bitted & keyed random (KR) only
2 Available 0-bitted only

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, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Black Oxidized Bronze, Oil Rubbed	722
Satin Chrome with MicroShield®	626C

Strikes

Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	(standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (64mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300

Rabbeted front and strike Specify SR118

Door Thickness

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

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Miscellaneous Options

Description	Specify
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® cylinder	M06
Lever to accept Best® type core (NZD & PZD designs only)	M08
Lever to accept Sargent® cylinder (NZD & PZD design only)	M09
Rounded corners on latch front	M13
3/4" (19mm) throw fire latch	M16
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
Lever to accept Schlage® interchangeable core (NZD & PZD design only)	M69
Forced door/propped door*	M861

*not compatible M800

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



ED5000 x 9800/9M800 AC2 Exit Device

Access 800 products for Corbin Russwin's ED5000 Series rim, SecureBolt® and mortise exits provide access control in areas where life safety is a concern. This includes stairwell areas or tenant occupied facilities where stand-alone access control is required. Corbin Russwin Access 800 exit devices are available with a variety of lever design styles and hardware finishes.



Features

Handing

Rim device is non-handed. Lever trim is handed.
Mortise device is handed.

Bar Length

Easily field cut to size.
Standard: 36" (914mm) bar fits 30" (762mm) to 36" (914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36" (914mm) to 48" (1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile

Minimum width 4-1/2" (114mm).

Latchbolt

3/4" (19mm) throw, stainless steel pullman-type with stainless steel deadlocking latch.

Latchbolt - for ED5200S(A) SecureBolt

Full 3/4" (19mm) projection, 1" (25mm) strike engagement, positive deadlocking by auxiliary bolt.

Projection

3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging

Standard on panic-rated devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners

Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike

Surface-mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, assuring low friction relocking for a long, trouble-free life.

Functions and Trims

Through-bolted lever trim available with wide range of functions; see Trim, pages 27-28.

Cylinders

Cylinder not included unless specified.

Shim Kit

Optional for mounting device over raised vision light molding; specify M58.

Key Override

Standard. Available with non-key override.

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

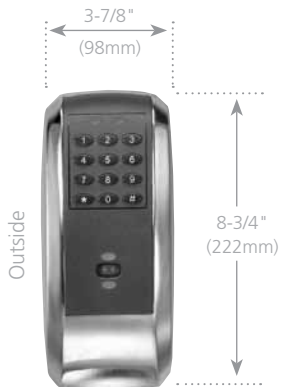
9VDC output. Operates 2 each Access 800 locks. Specify 784 when ordering.

Warranty

5-year limited mechanical.
2-year limited electrical.

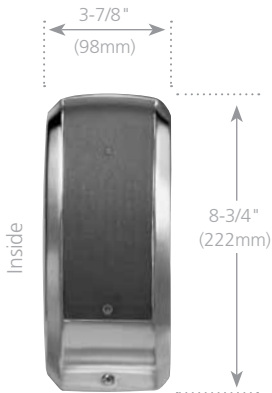
Features

ED5000 x 9800/9M800 AC2 Exit Device



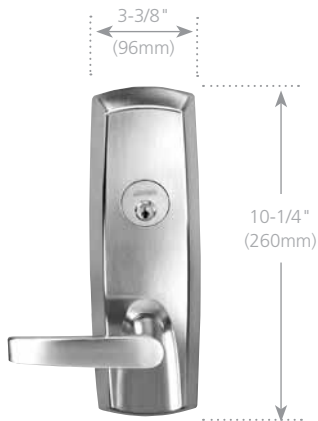
Escutcheons

- Zinc die cast
- Projection at top 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 Lever Control

- Cast lever
- Forged escutcheon
- Free wheeling lever when locked (9833 and 9834 only)



Certification/Compliance

ANSI

Meets A156.3, Type 1 & 3, Grade 1.
Meets A117.1 Accessibility Code.

C-UL US

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated* devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on active case cover indicates listing.

California State Reference Code

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA

All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors* and Windows.

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

* 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.

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

Functions



ED5000 x 9800/9M800 AC2 Exit Device

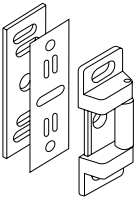
Outside	Inside	Series/Function	Type	Function Description
		ED5200(A) & ED5200S(A) *9833 Without Cylinder	Entry	<ul style="list-style-type: none"> • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered
		ED5200(A) & ED5200S(A) *9834 With Cylinder	Entry	<ul style="list-style-type: none"> • Latch retracted by inside push pad at all times • Outside lever locked (freewheeling) except when in passage mode or valid user code entered • Outside cylinder override allows lever to retract latch
		ED5633(A)L *9M833 Without Cylinder	Entry	<ul style="list-style-type: none"> • Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered
		ED5634(A)L *9M834 With Cylinder	Entry	<ul style="list-style-type: none"> • Latch retracted by inside push pad at all times • Outside lever rigid except when in passage mode or valid user code entered • Outside cylinder override retracts latch

*Lever Design (prefix)

Note: 9M833 and 9M834 cannot be retrofitted to an existing ED5600 Series mortise device. When ordered as "Trim Only", 9M833 and 9M834 will be furnished with the appropriate mortise lock. If a "Trim Only" order is intended for retrofitting an exit device with a M91 Bolt Monitor or M93 Trim Monitor function, that function must be specified with the trim order to ensure the correct lock is furnished.

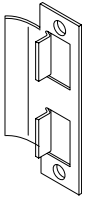
Option & Accessories

ED5000 x 9800/9M800 AC2 Exit Device



SecureBolt® and Fire-Rated Rim Strike and Rim Strike

Standard on ED5200S, ED5200SA, ED5200A and ED5200 devices. Supplied with locking plate and two 1/16" (1.6mm) shims. For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door. 3-1/2" x 1-1/4" (99mm x 32mm). Black finish only. To order separately specify 650F30-8.



Mortise Strikes

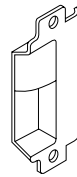
Mortise Strike

Standard on ED5600(A) Series. Non-handed, ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/4" (124mm x 32mm x 32mm) lip to center. To order separately, specify 650L657020.



Mortise Strike for Pairs of Doors with Astragal

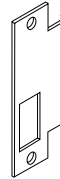
Optional for use with ED5600(A) Series devices where an astragal is to be installed. Non-handed, ANSI straight lip, 4-7/8" x 1-1/4" x 7/8" (124mm x 32mm x 22mm) lip to center. To order with exit device, specify SS078. To order separately, specify 653L157014.



Open Back Strike

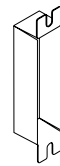
Optional for use with ED5600 x vertical rod devices on a pair of doors. Non-handed, 4-7/8" x 1-1/4" (124mm x 32mm). To order with exit device, specify SB134 for 1-3/4" doors, SB214 for 2-1/4" doors. To order separately, specify Part No. listed below.

Door Thickness	Type	Part No.
1-3/4" (44mm)	Curved lip	653L183016
	Straight lip	653L163016
2-1/4" (57mm)	Curved lip	653L183020
	Straight lip	653L163020



Mortise Strike

Standard on ED5600 and ED5600(A) devices on 2" (51mm) (D200) and 2-1/4" (57mm) (D214) thick doors. Handed ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/2" (124mm x 32mm x 38mm) lip to center. To order separately, specify 656L677024 for RH, 656L687024 for LH.



ANSI Wrought Strike Box

Optional for use with ED5600 and ED5600A devices. To order with exit device, specify M17. To order separately, specify 120F76-8.



Filler Plates

Optional for use on stock metal doors when required. To order, specify 334F99-8 600.



Optional for use on stock metal doors when required. To order, specify 236L708018 x Fin.











Optional for use on stock metal doors when required. To order, specify 077F19-8 600.

Available Trim Options







ED5000 x 9800/9M800 AC2 Exit Device

Standard

	ED5200N	ED5600N				
Armstrong	A9800	A9M800				
Newport	N9800	N9M800				
Princeton	PR9800	PR9M800	Armstrong	Citation	Dirke	Essex*
Citation	C9800	C9M800				
Dirke	D9800	D9M800				
Essex	E9800	E9M800				
Lustra	L9800	L9M800	Lustra*	Newport*	Princeton*	Regis
Regis	R9800	R9M800				

Vineyard™

Frascati	F9800	F9M800				
Merlot	M9800	M9M800				
Tuscany	TS9800	TS9M800	Frascati	Merlot	Tuscany*	Zinfandel
Zinfandel	Z9800	Z9M800				

Muséo®

GEORGIA

102	1029800	1029M800					
103	1039800	1039M800					
104	1049800	1049M800					
124	1249800	1249M800					
125	1259800	1259M800	102	103	104	124*	125*

SALVADOR

106	1069800	1069M800					
107	1079800	1079M800					
108	1089800	1089M800					
109	1099800	1099M800	106	107	108	109*	
110	1109800	1109M800					
123	1239800	1239M800					
128	1289800	1289M800					
129	1299800	1299M800	110	123*	128*	129*	

MARC

111	1119800	1119M800					
112	1129800	1129M800					
113	1139800	1139M800					
114	1149800	1149M800					
115	1159800	1159M800	111	112	113	114	115
116	1169800	1169M800					
130	1309800	1309M800					
131	1319800	1319M800					
132	1329800	1329M800	116	130*	131*	132*	

PABLO

117	1179800	1179M800					
126	1269800	1269M800					

JACKSON

119	1199800	1199M800					
121	1219800	1219M800					
122	1229800	1229M800					
127	1279800	1279M800	119	121	122	127*	

PIET

21G	21G9800	21G9M800					
21L	21L9800	21L9M800					
21M	21M9800	21M9M800					
21S	21S9800	21S9M800					
21W	21W9800	21W9M800	21G	21L	21M	21S	21W
23M	23M9800	23M9M800					
25M	25M9800	25M9M800					
27M	27M9800	27M9M800					

Available Trim Options

ED5000 x 9800/9M800 AC2 Exit Device



Muséo® Piet Lever Collection 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



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

* Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.

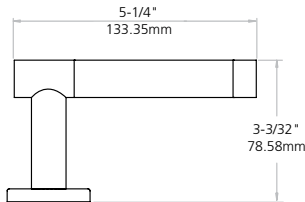
** Grip finish must match shank finish

How to Order

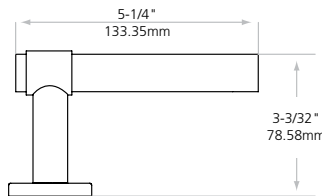


ED5000 x 9800/9M800 AC2 Exit Device

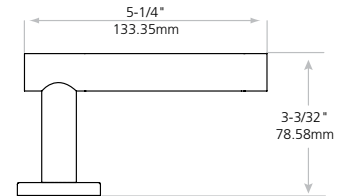
How to Order the Muséo® Piet Lever Collection



21G, 21L, 21M, 21S, 21W



23M



25M, 27M

Trim Only

Quantity	Trim/Function	Technology Code	Lever Finish	Lock Finish*	Hand	Credential Quick Code
2	21M9833	TCAC2	293029	625	RHR	M803

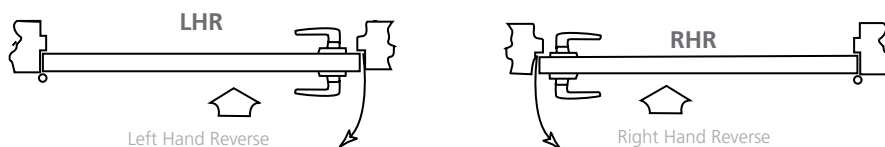
- > Muséo® Piet Lever 21M - Polished with Satin Insert
- > 293029 Lever Finish
Polished with satin stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
- > 625 Lock Finish

Exit Device with Trim

Quantity	Exit Device	Trim/Function	Technology Code	Lever Finish	Lock Finish*	Hand	Cylinder Option	Door Thickness	Optional Strike	Door Width	Credential Quick Code
2	ED5634L	21W9M834	TCAC2	29BH29	625	LHR	6P	D200	SB134	W048	M803

- > Muséo® Piet Lever 21W - Wood Insert
- > 29BH29 Lever Finish
Polished with stainless steel insert (630), polished stainless steel (629) shank and polished stainless steel (629) grip
- > 625 Lock Finish
- * Escutcheons (lock finish) are plated to match polished stainless steel (629) and satin stainless steel (630) finishes.

Handing



Note: Arrow indicates secure side of door

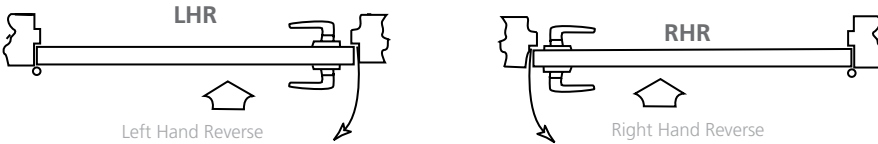
How To Order & Quick Codes

ED5000 x 9800/9M800 AC2 Exit Device



Ordering Examples

Handing



Note: Arrow indicates secure side of door

Trim Only

Quantity	Trim/Function	Technology Code	Finish	Hand	Credential Quick Code
24	N9833	TCAC2	625	RHR	M803

Exit Device with Trim

Quantity	Exit Device	Trim/Function	Technology Code	Finish	Hand	Cylinder Option	Door Thickness	Optional Strike	Door Width	Misc. Options	Credential Quick Code
65	ED5634L	N9M834	TCAC2	605	LHR	6P	D200	SB134	W048	M51-M54	M802

Contract/Detailed Order - Rim Exit Device with Trim

Quantity	Keypad	Exit Device	Trim/Function	Technology Code	Finish	Hand	Door Width	Credential Quick Code	Cylinder Option
36	AA1	ED5200	C9834	TCAC2	626	LHR	W048	M804	7P

Electrified Accessories - specify part number

Description	Specify
Controller (Required for Electric Latch Pullback)	781N
Power Supply 9VDC Output	784
Power Supply 1.0 Amp @ 24 VDC Output	BPS-24-1
Power Supply 2 Amp @ 24 VDC Output	BPS-24-2
SPDT Maintained Switch (includes LED)	MKA, MKAN
SPDT Momentary Switch (includes LED)	MK
SPDT Momentary Switch (illuminated)	PB3
SPDT Maintained (Alt. Action) Switch	PB3EA
Sonalert 90lbs. @ 2ft. 12-24VDC mounted on one gang stainless steel plate	PZ1
Alarm Kit (cylinder is not included)*	ED50AK
Concealed transfer for over 120° swing doors	EPTL

*Alarm Kit cannot be installed in the field to surface vertical rod device. Any attempt to do so voids all warranties.

Electrified Options for Exit Devices

Description	Specify
Exit Alarm Device (cylinder not included)	M61
Bolt Position Monitoring	M91
Touchbar Monitoring or Signaling	M92*
Outside Trim Monitoring or Signaling	M93
Electric Latch Pullback	M94
Electric Dogging	M97

*M92 is included with M861 option.

Delayed Egress Options

Description	Specify
Delayed Egress (15-second delay)	D
- 30-second delay (may be accepted by local jurisdiction)	M88
- BOCA 15-second delay	M89
- BOCA 30-second delay	M90

Quick Codes



ED5000 x 9800/9M800 AC2 Exit Device

Cylinders and Keying

Description	Specify
Conventional 6-pin	6P
Conventional 7-pin	7P
Less Cylinder(s)	standard
IC 6-pin	C6
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 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 Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid IC Less Core	CLP
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
0-bitted with 2 Blank Keys	Standard with Cylinder
Keyed random	KR
Construction Master Keyed (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
Concealed Key Control (CKC)	
- CKC Cylinders with VKC Keys	CKC2
- CKC Cylinders Only (not for PHS, PCHS)	CKC3
2 Keys per Cylinder	standard
Other than 2 Keys	KY# (e.g., KY6)

Finishes

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, Clear Coated	613L
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Polished Stainless Steel*	629
Satin Stainless Steel*	630
Satin Stainless Steel with MicroShield*	630C
Black Oxidized Bronze, Oil Rubbed	722

*Lever only. Escutcheons plated to match.

Door Thickness

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

Door Width

Door Width	Specify
24" (610mm)	W024
36" (914mm)	standard
48" (1219mm)	W048

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

Description	Specify
Mortise ANSI strike for pairs of doors with astragal	SS078
Open back strike for 1-3/4" doors	SB134
Open back strike for 2-1/4" doors	SB214

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Miscellaneous Options

Description	Specify
Torx® Head Screws	M04
ANSI wrought strike box (mortise)	M17
Knurling outside & inside (embossed touchbar - device side)*	M20
Knurling outside only (trim side)*	M21
Knurling inside only (embossed touchbar - device side)	M22
Abrasive coat outside and inside (trim and device)*	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)*	M25
Power/Remote Unlocking Harness	M35
Less dogging	M51
Cylinder dogging	M52
Sex nuts and bolts (SNBs)	M54
Shim kit (for vision light)	M58
Wood screws for use on fire-rated solid wood or wood core doors	M64
Forced/Propped Door**	M861

*not available with Vineyard or Museo levers.

**not compatible M800

Features

WM800 Wall Proximity Reader/Controller



The WM800 is a self-contained hardwired access control system for use with controlled locking devices on single door openings. The unit can be mounted on any flat wall surface including glass (with included glass mounting kit). The proximity reader can be remotely mounted up to 10 feet away from the keypad/controller on the unsecured side of an opening, providing a higher level of security and access control.

Features

Integrated Reader and Controller

Keypad and Proximity

Hardwired

12 or 24 volts DC

Audit Trail

Reports on the last 2000 events

2000 Users

Per each reader/controller

Programming Flexibility

8 time zones

32 holidays: 16 single & 16 block

Weather Resistant

Weather resistant electronics

Weather gasket included

HID Technology

Supports all HID formats

Door Monitoring Capability

Audio alert for propped and forced door

Request To Exit (REX) Capability

Can be mounted on secure side of door with internal Request to Exit switch capability

Main Relay

Switch up to 2 amps

Auxiliary Relay Switch

2 amp relay to signal alarm shunt, propped door or forced door (must use separate door status switch)

3 Different Mounting Options

- 1) One-piece stand-alone
- 2) Two-piece stand-alone (HID antenna remotely mounted)
- 3) One-piece glass mounted (secure electronics, card presented through glass door or window)

Specifications

Voltage

12/24 VDC

Current

60mA @ 12VDC or 69mA @24VDC

Inputs

1 REX

Relays

2 each; voltage 2 amps @ 12-24VAC/DC

LEDs

Bi-color (Red/Green)

Yellow

Dimensions

2.75" W x 5.27" H x 1.60" D

Ordering Example

Quantity	Series	Part No.
24	WM800	708F969

ASSA ABLOY Data Transfer Device (DTD) and SoloPlus™ Software



Data Transfer Device

SoloPlus Features

- Updated user interface and improved access level management
- iUpdate feature to check for software updates
- Replacement for Infrared Portable Printers with a printer application to retrieve audit trails - Access 800 AC2 (M800 - 100 user version only)
- Password protected
- 20,000 user name database
- Supports 2,000 users per lock
- Allows customized access levels managed at PC
- User name import from an external database
- Easy to follow data entry
- Real-time clock with date and time
- Eight different time zones per lock
- Holidays (16 single days; and 16 blocks of days)
- Daylight saving time
- Auto Unlock with or without "first in" authorization
- Forced door/propped door¹
- Forced change to master code
- Temporary user codes
- 2,000 event transaction history – audit trail to include user entry, date, time, user number, access denied, passage on, passage off, auto unlock, time zone denied, print, audit trail release, program mode, program mode denied, etc.

ASSA ABLOY Data Transfer Device (DTD) and SoloPlus™ Software

The ASSA ABLOY Data Transfer Device (DTD) is a handheld device that allows users to upload programming and configuration files to the lock and download audit trails. Communication between the DTD and the lock is accomplished through infrared technology. The device is capable of programming and auditing up to 250 doors, and programming up to 2000 users. The DTD can also be used with the Access 800® AC2 (M800 - 100 user version only) to retrieve audit trails.

ASSA ABLOY *SoloPlus* software is included with the DTD for use with PCs and for storing information received from audit trails. *SoloPlus* software is compatible with either the DTD or PDAs currently being used with *Accessware* v2.0 software. *SoloPlus* offers an updated user interface, a conversion utility from older *Accessware* databases, and the ability to choose whether to use a DTD or PDA for programming by site.

- Master code entry at keypad or presentation of "Master" or "Comm Enable" proximity credential at lock initiates PC download programming
- Designed for operation with data transfer device (DTD) or a PDA
- The DTD or PDA provides convenient (wireless) means of transferring door information to and from lock using *SoloPlus* software
- Capable of up/downloading door information for 250 doors
- User-friendly help feature
- Extensive report generating feature
- Directly supports HID 26, 33 and 34 bit formats and 35 bit Corporate 1000 format

The DTD package includes: handheld DTD, SoloPlus software CD, USB cable, four (4) AA batteries, instructions and lanyard.

A Personal Digital Assistant (PDA) can also be used with SoloPlus. Compatible PDAs are listed below.

1. Specify M861 to order the Forced door/propped door option with the Access 800® AC2. Not compatible with the Access 800 AC2 M800 (100 user version).

2. Palm PDAs are only compatible with Windows XP.

SoloPlus™ Software	Order Part Number
SoloPlus™	790F139

System Requirements

- Operating System:
Windows XP Home
Windows XP Professional
Windows Vista Home Premium
Windows Vista Business
Windows 7 Home Premium
Windows 7 Professional
Windows Server 2003
Windows Server 2008
- CD-ROM drive
- Data Transfer Device (DTD) or a PDA*

Data Transfer Device (DTD)	Order Part Number
DTD	790F109

PDA Manufacturer	Model
Aceeca	Meazura
Handspring	Visor
Kyocera	7135 Smart Phone
Palm ²	IIIc
Palm ²	IIIx
Palm ²	IIIxe
Palm ²	m105
Palm ²	m125
Palm ²	m130
Palm ²	m500
Palm ²	m505
Palm ²	m515
Palm ²	V
Palm ²	Vx
Palm ²	VIIx
Palm ²	Tungsten C
Palm ²	Tungsten E
Palm ²	Tungsten E2
Palm ²	Tungsten T
Palm ²	Tungsten W
Palm ²	TX
Palm ²	Zire
Palm ²	Zire 21
Palm ²	Zire 31
Palm ²	Zire 71
Palm ²	Zire 72
Sony	Clie SJ20

Options & Accessories



The access credentials below are only compatible with the M802 (125 kHz reader) option. Other credentials (125 kHz proximity and 13.56 MHz iCLASS®, 26-39 bit formats) can be purchased from HID®.

HID

Credential Features

- Allows integration into existing facilities with HID-based technology
- Standard credentials available with 26 bit Wiegand format and Corbin Russwin assigned site code
- *HID* credentials available with 26 bit and 33 bit format and customer assigned site code. For a higher level of security, custom cards, fobs or tags with unique site codes are available; consult factory.



Corbin Russwin *HID* ProxCard® II

- 26 bit format
- Blank (white) card or Corbin Russwin logo card
- 25/pkg.
- Dimensions: 2-1/8" x 3-3/8" (54mm x 85.7mm)
- Thickness: .070" nom. (1.8mm)

794F349	C/R 26 bit <i>ProxCard</i> II blank
794F339	C/R 26 bit <i>ProxCard</i> II with logo
794F379	<i>HID</i> 26 bit <i>ProxCard</i> II with logo
794F389	<i>HID</i> 26 bit <i>ProxCard</i> II without logo



ISOProx® II Card

- 26 bit format
- Blank (white) card or Corbin Russwin logo card
- Blank card can be printed with customer's text and graphics – by others
- 25/pkg.
- Dimensions: 2-1/8" x 3-3/8" (54mm x 85.7mm)
- Thickness: .033" nom. (.84mm)

794F329	C/R 26 bit <i>ISOProx</i> II Card blank
794F319	C/R 26 bit <i>ISOProx</i> II Card with logo
794F359	<i>HID</i> 26 bit <i>ISOProx</i> II Card with logo
794F369	<i>HID</i> 26 bit <i>ISOProx</i> II Card without logo

DuoProx® II Card



- Multiple Technology Proximity Cards *DuoProx* – dual technology, proximity and magnetic stripe technology. Enables integration into systems with existing magnetic swipe card readers
- Minimum order quantity: 100 each
- Custom cards or fobs with unique site codes for higher level of security

794F399	C/R <i>DuoProx</i> II -prox and magstripe with logo
794F409	C/R <i>DuoProx</i> II - prox and magstripe w/o logo
794F419	<i>HID</i> 26 bit <i>DuoProx</i> II - prox and magstripe

Note 1: Access 800® will support all *HID* bit formats when proximity credentials are programmed directly into keypad (Presentation Method).



MicroProx® Tag

- 26 bit format with Corbin Russwin site code or customer site code
- Sequence numbers marked on each tag
- Gray color with *HID* Logo
- 10/pkg. (100 minimum order quantity)
- Dimensions: 1.285" x 0.070" (32.6mm x 1.78mm)
- For *MicroProx* Tag with customer site code, consult factory for minimum quantities



ProxKey® II

- 26-bit format
- 794F69: Site code controlled by Corbin Russwin 794F479: Customer requested site code or range of fob numbers
- 10/pkg.
- Dimensions: 1.9" x .09" x .05" (43mm x 22.9mm x 14mm)

794F469	C/R 26 bit <i>ProxKey</i> II
794F479	<i>HID</i> 26 bit <i>ProxKey</i> II

Options & Accessories



RF Fob

- Used with RF Technology (M804, M805, M806)
- Operating frequency: 418MHz
- Operating distance: 35-75 ft inside door
10-25 ft outside door
- Sold separately. To order specify 708F999



784 Power Supply

- Provides a filtered and regulated 9 VDC remote power for Access 800 locks
 - Each unit can supply power to 2 Access 800 products
 - Requires raceway through the door*
 - Optional 12 VDC gel cell battery
- Includes:**
- Plug-In Wall Transformer with approximately 12' (3.6m) of shielded wire that provides input power to the power supply
 - Includes 12' (3.6m) of shielded wire for connection between power transfer and power supply
 - To order separately, specify 793F039

* Recommended for new opening. Retrofit application may require surface mounted wire mold and transfer loop by others.



Enrollment Station

Enrolls 125kHz Wiegand Format HID proximity cards, up to 40 bit format, into SoloPlus™ software. Specify 712F089.



Power Supply Replacement Parts

Plug-In Wall Transformer

- Provides input power to 784 power supply module
- Output 16.5 VAC, 2.4 amps
- C-UL US listed
- To order, specify 793F049

Cable Assembly

- 12' (3.6m) shielded cable from the power supply to the power transfer
- To order, specify 793F059

Power Supply Circuit Board

- Replacement circuit board assembly
- 9 VDC, 700 ma
- To order, specify 794F309

Gel Cell Battery

- Optional for use with 784 power supply
- Provides continuous operation of Access 800 in the event of a power failure (Strongly recommended for applications without cylinder override to prevent lock-out)
- 12 VDC 1.2 A/Hr rating
- 10,000 cycles typical in the event of power failure
- To order, specify 793F089



Options & Accessories



Power/Remote Unlocking Harness

- Wire harness for remote power and remote unlocking of lock
- Requires raceway through the door
- Requires power transfer*
- If ordering with Access 800® specify M35 Quick Code. If ordering separately, specify 711F989

Application	ElectroLynx® Door	*Non-Electrolynx Door
M861	QC4A	CC4
M35	QC8	CC4
M861 X M35	QC12	CC6

* Non- Electrolynx door applications require raceway with wire harness through door and power transfer

Hardwiring Made Easy™



Weatherseal Gasketing Kit

- Includes rubber gasket(s) and durable ABS Conduit
- Gaskets provide sealing between escutcheons and door for exterior applications
- Conduit provides weather protection inside of door
- Gasketing and conduit for use on non-fire rated exterior applications only
- To order separately, specify kit part number

Access 800 Product	Kit Part Number
ML20800 Series Mortise Lock	794F929
CL33800 Series Cylindrical Lock	794F919
9800/9M800 Series Exit Trim	794F909

Forced/Propped Door Alarm - M861

- Sounds audible local alarm if door is held open for extended period of time or door is forced open without use of valid credentials.
- Programmable through SoloPlus™.
- Alarm is shunted during egress by internal REX switch.
- Internal REX switch, external door position switch and internal wire harness included.
- If ordering with Access 800 specify M861 Quick Code.

Readers:

Keypad/Proximity



Proximity
no keypad

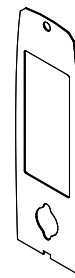


Forced/Propped Door Harness - M861

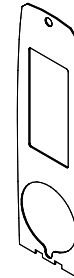
- Packed with lock assembly
- When ordering harness only, use 712F119
- Door status switch included

Application	ElectroLynx Door	*Non-Electrolynx Door
M861	QC4A	CC4
M35	QC8	CC4
M861 X M35	QC12	CC6

* Non- Electrolynx door applications require raceway with wire harness through door and power transfer



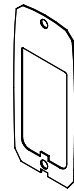
Mortise Escutcheon



Cylindrical Escutcheon



Exit Trim Escutcheon



Exit Keypad Escutcheon



Conduit

Keypad/Prox/RF Assemblies

Assembly	Products	Keypad	Keypad	Prox	Keypad Prox	Keypad RF	Prox RF	Keypad Prox, RF
		M800*	M801*	M802*	M803*	M804*	M805*	M806*
Controller	Cylindrical	708F819	712F009	712F019	712F019	712F029	712F039	712F039
	Mortise	708F829	712F049	712F059	712F059	712F069	712F079	712F079
	Mortise x Dorm	N/A	N/A	794F199	794F199	N/A	N/A	N/A
	Exit	708F829	712F049	712F059	712F059	712F069	712F079	712F079
Reader	All	708F809	708F089	708F099	708F089	708F089	708F099	708F089

* Assemblies include circuit board and housing. Batteries not included.

Controller:



ML20800 Series Mortise Locks *Access Control Mortise Locks*

- Access control mortise locks shall be ML20800 Series as manufactured by Corbin Russwin Architectural Hardware of Berlin, CT.
- Provide access control mortise lock series, type and functions where specified in hardware groups, with the provisions below.
 - Cylinders: Refer to 2.04 KEYING, keying requirements.
 - Backsets: 2-3/4 inches.
 - Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8 inch beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation
- Provide access control products with non-volatile memory.
- Provide keypad-operated products with a maximum of 100 user codes (M800) or 2,000 user codes (M801).
- Provide keypad/proximity (M803) and proximity only (M802) products with a maximum of 2,000 user codes and the ability to audit the last 2,000 transactions.
- In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.
- Provide SoloPlus™ Software (M801, M803), capable of working with Microsoft Windows based operating systems, required to program time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 2,000 event transaction history – unlock, egress activation, entry into programming mode, date, time, user number, and door number.
- Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the mortise lock. The inside lever is always free for egress. Provide lever design to match lock levers.
- Locks shall have the option to be remotely controlled via handheld radio frequency (RF) transmitter, allowing lock/unlock capabilities from up to 75 feet away from the lock.
- Locks shall have LEDs to indicate status – unlocked and programming mode.
- Provide twenty-five (25) HID Prox Card II for keypad/proximity (M803) and proximity only (M802) products.
- Doors to stairs (other than exit stairs), loading platforms, boiler rooms, stages and doors serving other hazardous locations shall have knurled or other similar approved marking of door lever handles or cross bars in accordance with local building codes.

CL33800 Cylindrical Locks *Access Control Cylindrical Locks*

- Access control cylindrical locks shall be CL33800 Series as manufactured by Corbin Russwin Architectural Hardware of Berlin, CT.
- Provide cylindrical lock series and functions where specified in hardware groups, with the provisions below.
 - Cylinders: Refer to 2.04 KEYING, keying requirements.
 - Backsets: 2-3/4 inches.
 - Strikes: Provide wrought boxes and strikes with proper lip length to protect trim but not to project more than 1/8 inch beyond trim, frame or inactive leaf. Where required, provide open back strike and protected to allow practical and secure operation.
- Provide access control products with non-volatile memory.
- Provide keypad-operated products with a maximum of 100 user codes (M800) or 2,000 user codes (M801).
- Provide keypad/proximity (M803) and proximity only (M802) products with a maximum of 2,000 user codes and the ability to audit the last 2,000 transactions.
- In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.
- Provide SoloPlus™ Software (M801, M802, M803), capable of working with Microsoft Windows based operating systems, required to program time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 2,000 event transaction history – unlock, egress activation, entry into programming mode, date, time, user number, and door number.
- Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the cylindrical lock. The inside lever is always free for egress. Provide lever design to match lock levers.
- Locks shall have the option to be remotely controlled via handheld radio frequency (RF) transmitter, allowing lock/unlock capabilities from up to 75 feet away from the lock.
- Locks shall have LEDs to indicate status – unlocked and programming mode.
- Provide twenty-five (25) HID Prox Card II for keypad/proximity (M803) and proximity only (M802) products.
- Doors to stairs (other than exit stairs), loading platforms, boiler rooms, stages and doors serving other hazardous locations shall have knurled or other similar approved marking of door lever handles or crossbars in accordance with local building codes.

ED5000 Series Exit Devices with 9800/9M800 Series Access Control Trim *Access Control Exit Devices and Trim*

- Access control exit devices shall be ED5000 Series as manufactured by Corbin Russwin Architectural Hardware of Berlin, CT.
- Provide access control exit device series, type, and functions where specified in hardware groups. Corbin Russwin product numbers are referenced in the Hardware Groups.
- All exit devices shall be UL listed for panic. Exit devices for labeled doors shall be UL listed as "Fire Exit Hardware".
- Provide access control products with non-volatile memory.
- Provide keypad-operated products with a maximum of 100 user codes (M800) or 2,000 user codes (M801).
- Provide keypad/proximity (M803) and proximity only (M802) products with a maximum of 2,000 user codes and the ability to audit the last 2,000 transactions.
- In addition to user codes, provide a Master Code as standard. The Master Code assigns emergency, supervisory, and user codes.
- Provide SoloPlus™ Software (M801, M802, M803), capable of working with Microsoft Windows based operating systems, required to program time zone periods, blocked holidays, automatic unlock with or without first entry, and listing 2,000 event transaction history – unlock, egress activation, entry into programming mode, date, time, user number, and door number.
- Locking and unlocking of the lever handle shall be done by a motor-driven battery powered unit (solenoids not acceptable) contained completely within the body of the outside trim. Egress from the inside at all times. Provide lever design to match lock levers.
- Access control exit devices shall have the option to be remotely controlled via hand-held radio frequency (RF) transmitter, allowing lock/unlock capabilities from up to 75 feet away from the exit device.
- Locks shall have LEDs to indicate status – unlocked and programming mode.
- Provide twenty-five (25) HID Prox Card II for keypad/proximity (M803) and proximity only (M802) products.
- Provide cylinder-dogging feature for non-rated exit devices.
- Provide keyed removable mullions, as specified in the Hardware Groups.
- Provide clear powder coating at exit devices used in full exterior application, highly corrosive areas, and where noted in the hardware groups.
- Provide cylinders for exit devices with cylinder override and cylinder dogging.
 - Cylinders: Refer to 2.04 KEYING, keying requirements.

Quick Code Index



Controllers - Mortise

Part No./ Quick Code	Description
708F829	ML20800 x M800 (100 User)
712F049	ML20800 x M801 (2000 User)
712F059	ML20800 x M802 (2000 User)
712F059	ML20800 x M803 (2000 User)
712F069	ML20800 x M804 (2000 User)
712F079	ML20800 x M805 (2000 User)
712F079	ML20800 x M806 (2000 User)

Controllers - Dorm

794F199	ML20837 x M802 Dorm room function (2000 User)
794F199	ML20837 x M803 Dorm room function (2000 User)

Controllers - Cylindrical

708F819	CL33800 x M800 (100 User)
712F009	CL33800 x M801 (2000 User)
712F019	CL33800 x M802 (2000 User)
712F019	CL33800 x M803 (2000 User)
712F029	CL33800 x M804 (2000 User)
712F039	CL33800 x M805 (2000 User)
712F039	CL33800 x M806 (2000 User)

Controllers - Exit Devices

708F829	9800/9M800 x M800 (100 User)
712F049	9800/9M800 x M801 (2000 User)
712F059	9800/9M800 x M802 (2000 User)
712F059	9800/9M800 x M803 (2000 User)
712F069	9800/9M800 x M804 (2000 User)
712F079	9800/9M800 x M805 (2000 User)
712F079	9800/9M800 x M806 (2000 User)

Gaskets

794F509	Gaskets Exit device - Reader
794F519	Gaskets Exit device trim
794F529	Gaskets Cylindrical lock
794F539	Gaskets Mortise lock

Data Transfer Device (DTD)

790F109	DTD
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Software

790F139	SoloPlus™
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Readers - Mortise

Part No./ Quick Code	Description
708F809	ML20800 x M800 (100 User)
708F089	ML20800 x M801 (2000 User)
708F099	ML20800 x M802 (2000 User)
708F089	ML20800 x M803 (2000 User)
708F089	ML20800 x M804 (2000 User)
708F099	ML20800 x M805 (2000 User)
708F089	ML20800 x M806 (2000 User)

Readers - Dorm

708F099	ML20837 x M802 Dorm room function (2000 User)
708F089	ML20837 x M803 Dorm room function (2000 User)

Readers - Cylindrical

708F809	CL33800 x M800 (100 User)
708F089	CL33800 x M801 (2000 User)
708F099	CL33800 x M802 (2000 User)
708F089	CL33800 x M803 (2000 User)
708F089	CL33800 x M804 (2000 User)
708F099	CL33800 x M805 (2000 User)
708F089	CL33800 x M806 (2000 User)

Readers - Exit Devices

708F809	9800/9M800 x M800 (100 User)
708F089	9800/9M800 x M801 (2000 User)
708F099	9800/9M800 x M802 (2000 User)
708F089	9800/9M800 x M803 (2000 User)
708F089	9800/9M800 x M804 (2000 User)
708F099	9800/9M800 x M805 (2000 User)
708F089	9800/9M800 x M806 (2000 User)

Technology Options

M800	100 User, keypad only
M801	2000 User, keypad only
M802	2000 User, proximity only
M803	2000 User, keypad and proximity
M804	2000 User, keypad and RF actuation
M805	2000 User, proximity and RF actuation
M806	2000 User, keypad, proximity and RF actuation
M861	Forced/Propped Door (M801 thru M806)

Quick Code Index



Hardware

Part No./ Quick Code	Description
784	Optional Power Supply - Gel Cell Battery, ordered with Device
708F979	Conduit
711F989	Power/Remote Unlocking Harness; when ordered separately
712F089	New Enrollment Station
712F119	Forced/Propped Door Harness; when ordered separately
793F029	Ribbon Cable
793F039	784 Remote power supply (includes plug-in wall transformer & 12 feet of shielded wire)
793F049	Plug in wall transformer
793F059	Cable assembly - power supply
793F069	Power/remote unlocking harness
793F089	12 V 1.2 A/Hr. Gel Cell Battery
793F199	Battery, Alkaline (AA) (single battery)
793F309	Power Supply Circuit Board
M35	Power/Remote Unlocking Harness; ordered with device

Credentials

794F319	C/R 26 bit ISO Prox II with logo
794F329	C/R 26 bit ISO Prox II blank
794F359	HID 26 bit ISO Prox II with logo
794F369	HID 26 bit ISO Prox II without logo
794F339	C/R 26 bit ProxCard II with logo
794F349	C/R 26 bit ProxCard II blank
794F379	HID 26 bit ProxCard II with logo
794F389	HID 26 bit ProxCard II without logo
794F399	C/R DuoProx II - Prox and magstripe with logo
794F409	C/R DuoProx II - Prox and magstripe without logo
794F419	HID 26 bit DuoProx II - Prox and magstripe
794F429	C/R MicroProx tag
794F449	HID MicroProx tag with customer site code
794F469	C/R 26 bit ProxKey II
794F479	HID 26 bit ProxKey II
708F999	RF FOB

Keying Options

CKC2	CKC-Cylinders with VCK keys
CKC3	CKC-Cylinders Only
VKC0	VKC-No Stamping
VKC1	VKC-Keys Only
VKC2	VKC-Cylinders & Keys
VKC3	VKC-Cylinders Only

Cylinder Options

Part No./ Quick Code	Description
(standard)	Conventional 6-pin
6P	Conventional 6-pin [Exits Only]
7P	Conventional 7-pin
C	Lockset furnished in Schlage® C Keyway [Cylindrical Only]
C6	IC 6-pin
C7	IC 7-pin
CHS	Security IC
CL6	IC 6-pin Less Core
CLS6	SFIC 6-pin with Less Core (Mortise Locks and Exit Devices only)
CT6SD	SFIC 6-pin with SFIC disposable temporary core (Mortise Locks and Exit Devices Only)
CL7	IC 7-pin Less Core
CLS7	SFIC 7-pin with Less Core (Mortise Locks and Exit Devices only)
CT7SD	SFIC 7-pin with SFIC disposable temporary core (Mortise Locks and Exit Devices only)
CLP	Pyramid IC Less Core
CMK	Construction master keyed
CT6B	IC 6-pin with Temporary Construction Core (Blue)
CT6D	IC 6-pin with Temporary Disposable Core
CT6G	IC 6-pin with Temporary Construction Core (Green)
CT6R	IC 6-pin with Temporary Construction Core (Red)
CT7B	IC 7-pin with Temporary Construction Core (Blue)
CT7D	IC 7-pin with Temporary Disposable Core
CT7G	IC 7-pin with Temporary Construction Core (Green)
CT7R	IC 7-pin with Temporary Construction Core (Red)
CTP	Pyramid IC with Temporary Construction Core [Mortise & Exits Only]
CTPD	Pyramid IC with Temporary Disposable Core [Mortise & Exits Only]
CTSD	IC 6-pin Small Format Disposable Core [Cylindrical Only]
HS	Security
KR	Keyed random
LA	Lockset furnished in SARGENT® LA Keyway [Cylindrical Only]
LC	Less Standard Cylinder [Mortise & Cylindrical Only]
PCHS	Pyramid High Security IC
PCS	Pyramid Security IC
PHS	Pyramid High Security Fixed Core
PS	Pyramid Security Fixed Core



In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinruswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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



MicroShield®

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ElectroLynx®

As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening. ElectroLynx® is a registered trademark of ASSA ABLOY Inc.

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

45014-7/11R

Padlocks & Deadlocks

PL5000, DL2200/DL3200, DL3000 &
DL4100 Series

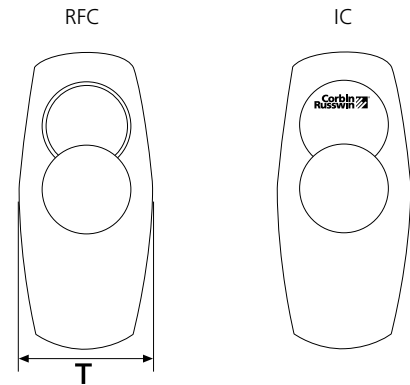
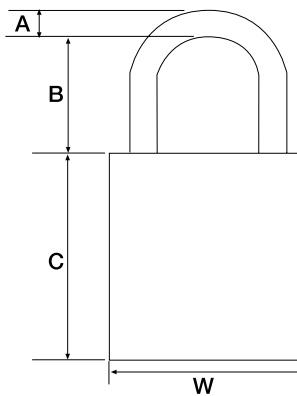


ASSA ABLOY, the global leader
in door opening solutions

Padlocks PL5000 Series

Padlocks & Deadlocks

Rekeyable Fixed Core (RFC) and Interchangeable Core (IC) Models



Model	Series	Shackle Diameter	Shackle Clearance	Height	Width	Thickness
		A	B	C	W	T
RFC	PL5000R PL5100R PL5200R	11/32" (9mm)	Std: 7/8" (22mm) 258: 2-5/8" (67mm)	2" (51mm)	1-15/16" (49mm)	1" (25mm)
IC	PL5070 PL5170 PL5270	11/32" (9mm)	Std: 7/8" (22mm) 258: 2-5/8" (67mm)	2" (51mm)	1-15/16" (49mm)	1" (25mm)

Features

Case

Extruded brass.

Shackle

11/32" (8.7mm) diameter hardened steel (PL5000 Series), brass (PL5100 Series) or stainless steel (PL5200 Series).

Locking

Ball-bearing locking heel and toe.

Cylinder

RFC model: 6-pin Fixed Core (2300)
IC model: 6-pin & Pyramid IC (8000 series)
L4 keyway standard

Keying Features Available

Master keying
Construction master keying
Interchangeable core (IC) 6-pin
IC security
Concealed key control
Visual key control (not for HS)
Pyramid (IC only)

Keys

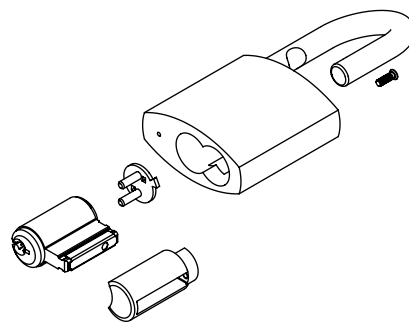
Two nickel silver standard.

Warranty

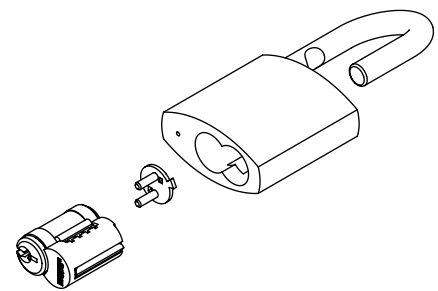
One-year limited.

Finish

BHMA 606 Satin Brass (US4) only.



RFC MODEL



IC MODEL

Padlocks PL5000 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function
10	PL5000

Contract/Detailed Order

Quantity	Keyset	Series/Function	Shackle Length	Misc. Options
4	AJ3	PL5080	258	M45 x S19866

Quick Codes

Series/Function

Description	Series/Function		
	Hardened Steel Shackle	Brass Shackle	Stainless Steel Shackle
Rekeyable Fixed Core (RFC)	PL5000R	PL5100R	PL5200R
Interchangeable core (IC) less core	PL5070	PL5170	PL5270
IC 6-pin	PL5080	PL5180	PL5280
IC security	PL5090	PL5190	PL5290
Pyramid High Security (IC)	PL5030	PL5130	PL5230
Pyramid Security (IC)	PL5037	PL5137	PL5237

Miscellaneous Options

Description	Specify
Chain and clevis attached	M44
Custom die stamped case (specify existing die number, or provide lettering specifications or artwork)	M45 x #

Shackle Clearance

Description	Specify
7/8" (22mm)	(standard)
2-5/8" (67mm)	258

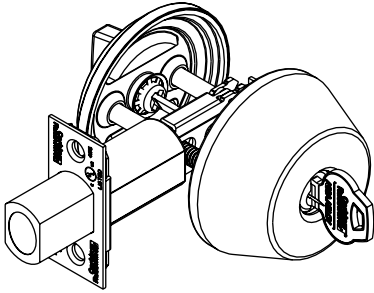
Cylinder and Keying

Description	Specify
Keyed random (standard for Pyramid & IC security padlocks)	KR
0-bitted (not available for Pyramid & IC security padlocks)	(standard)
Construction Master Keyed (RFC & IC 6-pin padlocks only)	CMK
Temporary construction core (Red) (IC 6-pin padlocks only)	CT6R
Temporary Construction Core (Blue) (IC 6-pin padlocks only)	CT6B
Temporary Construction Core (Green) (IC 6-pin padlocks only)	CT6G
Visual key control (VKC)	
- Keys only	VKC1
- Locks and keys (RFC & IC 6-pin padlocks only)	VKC2
- Locks only (RFC & IC 6-pin padlocks only)	VKC3
Concealed key control (CKC) (IC 6-pin & IC security padlocks only)	
- CKC cores and VKC keys	CKC2
- CKC cores only	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)
Rekeyable FC (RFC) Less Cylinder	LC

Deadlocks DL2200/DL3200 Series

Padlocks & Deadlocks

Features



Handing Non-handed.

Door Thickness Standard: 1-3/4" (44mm). Optional door thicknesses available; see Quick Codes.

Backset Standard: 2-3/4" (70mm)
Optional: 2-3/8" (60mm)

Front Standard: brass or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm).
Optional: 1" width; see Quick Codes.

Deadbolt 1" throw, solid steel deadbolt with hardened, free spinning, steel pin insert.

Strike Standard; 2-3/4" (70mm) x 1-1/8" (29mm). Optional strikes and wrought boxes available; see Strikes, this page.

Cylinder Standard: brass, 6-pin, L4 keyway, 0-bitted. Security cylinder optional; see Quick Codes.

Keys Two nickel silver standard.

Keying Features Available

Master keying
Construction master keying
Security
Visual key control
Concealed key control

Warranty One-year limited.

Certification/Compliance

UL

UL listed to US and Canadian safety standard.

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.

ANSI

DL2200 - 156.5 Grade 2
DL3200 - 156.5 Grade 1

Functions

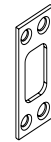
Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		DL2213 DL3213	Single Cylinder	E0150 Series	- By key outside and by thumbturn inside.
		DL2212 DL3212	Double Cylinder	E0140 Series	- By key either side.
		DL2217 DL3217	Classroom	E0170 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
		DL2211 DL3211	Cylinder x Blank	E0160 Series	- By key one side only; opposite side blank.
		DL2260 DL3260	Thumbturn x Blank	E0190 Series	- By thumbturn one side only; opposite side blank.

Strikes



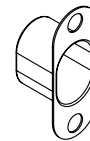
Metal Frame Strike

Standard
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify
781F568 x Finish



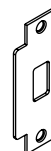
Wood Frame Strike

Standard
2-3/4" (70mm) x 1-1/8" (29mm).
To order separately, specify
781F558 x Finish.



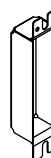
Strike Box

Standard with standard strikes.
To order separately, specify
781F599.



ANSI Strike

Optional; see Quick Codes.
To order separately, specify
423L71 x Finish.



ANSI Wrought Strike Box

Optional for use with ANSI
strike; see Quick Codes. To order
separately, specify 120F768.

Deadlocks DL2200/DL3200 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL2213	626

Contract / Detailed Order

Quantity	Keyset	Series/Function	Finish	Strike	Options
24	AA1	DL2213	626	SS078	HS-CKC2

Cylinders

Cylinder Only (less housing)

Function	Part Number	Cylinder Type	Door Thickness
11,13,17	4400-134-A51	6-Pin Conventional	1-3/8" (35mm) 1-3/4" (44mm) 2" (51mm) 2-1/4" (57mm)
	4400-134-A51-7	7-Pin Conventional	
	4410-134-A51	Security	
	4420-134-A51	Pyramid High Security	
	4427-134-A51	Pyramid Security	
12	4400-134-A52	6-Pin Conventional	1-3/8" (35mm) 1-3/4" (44mm) 2" (51mm) 2-1/4" (57mm)
	4400-134-A52-7	7-Pin Conventional	
	4410-134-A52	Security	
	4420-134-A52	Pyramid High Security	
	4427-134-A52	Pyramid Security	
	4400-214-A52	6-Pin Conventional	
	4400-214-A52-7	7-Pin Conventional	
	4410-214-A52	Security	
	4420-214-A52	Pyramid High Security	
11,12,13,17	8000	6-Pin IC	See the Housing Assembly for Interchangeable Core Cylinder chart below.
	8000-7	7-Pin IC	
	8010	Security IC	
	8020	Pyramid High Security IC	
	8027	Pyramid Security IC	

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Conventional 7-pin	7P
Interchangeable core (IC) 6-pin	C6
IC 6-pin less core	CL6
SFIC 6-pin with Less Core	CLS6
IC 6-pin with temporary construction core	CT6
IC 7-pin	C7
IC 7-pin less core	CL7
SFIC 7-pin with Less Core	CLS7
IC 7-pin with temporary construction core	CT7
Security	HS
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction Master Keyed (not available for Pyramid & Security cylinders)	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#

Housing Assembly - Interchangeable Core Cylinder

Function	Part Number	Accept Cylinder	Door Thickness
11,13,17	4440-134-A51	6 & 7 Pin SFIC	1-3/8" (35mm)
	4470-134-A51	6-Pin LFIC	1-3/4" (44mm)
	4470-134-A51-7	7-Pin LFIC	2" (51mm)
			2-1/4" (57mm)
12	4440-138-A52-XX (*)	6 & 7 Pin SFIC	1-3/8" (35mm)
	4470-138-A52-XX	6-Pin LFIC	
	4470-138-A52-7-XX	7-Pin LFIC	
	4440-134-A52-XX	6 & 7 Pin SFIC	1-3/4" (44mm)
	4470-134-A52-XX	6-Pin LFIC	
	4470-134-A52-7-XX	7-Pin LFIC	
	4440-200-A52-XX	6 & 7 Pin SFIC	2" (51mm)
	4470-200-A52-XX	6-Pin LFIC	
	4470-200-A52-7-XX	7-Pin LFIC	
	4440-214-A52-XX	6 & 7 Pin SFIC	2-1/4" (57mm)
	4470-214-A52-XX	6-Pin LFIC	
	4470-214-A52-7-XX	7-Pin LFIC	

(*) Specify "OS" for outside of door or "IS" for inside of door.

Deadlocks DL2200/DL3200 Series

Padlocks & Deadlocks

Quick Codes

Finish

	Description	Specify
US3	Bright Brass	605
US4	Satin Brass	606
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626

Door Thickness

Description	Specify
1-3/8" (35mm)	D138
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300

Miscellaneous Options

Description	Specify
ANSI wrought strike box	M17
Plastic box for standard strike	(standard)

Bolt Assembly

Description	Part No.	Specify
2-3/8" (60mm) Backset	781F528	B238
2-3/4" (70mm) Backset	781F538	(standard)

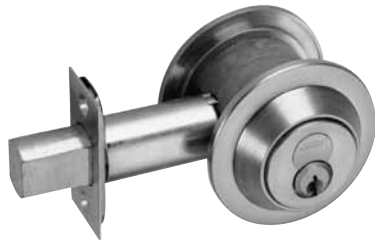
Front Trim Plates

1" (25mm) Wide	781F50M x Finish	M14
1-1/8" (29mm) Wide	781F51M x Finish	(standard)

Deadlocks DL3000 Series

Padlocks & Deadlocks

Features



Handing

Non-handed, except DL3017, which is handed and field reversible.

Door Thickness

Standard: 1-3/4" (44mm) - 2-1/4" (57mm).
Optional door thicknesses available; see Quick Codes.

Backset

Standard: 2-3/4" (70mm)
Optional: 2-3/8" (60mm)

Front

Standard: wrought brass or bronze,
2-1/4" (57mm) x 1-1/8" (29mm).
Accommodates flat doors and doors
beveled 1/8" (3mm) in 2" (51mm).

Deadbolt

Zinc diecast hardened steel insert. 1"
(25mm) throw, 5/8" (16mm) wide x 3/4"
(19mm) high.

Strike

Standard; 2-3/4" (70mm) x 1-1/8"
(29mm).
Optional strikes and wrought boxes
available; see Strikes, this page.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted. Security
cylinders optional; see Quick Codes.

Keys

Two nickel silver standard.

Keying Features Available

Master keying
Construction master keying
7-pin (FC) conventional
Interchangeable core (IC)
Security
Security (IC)
Visual key control
Concealed key control
Pyramid (FC)
Pyramid (IC)

Warranty

One-year limited.

Functions

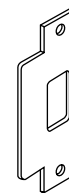
Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		DL3013	Single Cylinder	E0150 Series	- By key outside and by thumbturn inside.
		DL3012	Double Cylinder	E0140 Series	- By key either side.
		DL3017	Classroom	E0170 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
		DL3011	Cylinder x Blank	E0160 Series	- By key one side only; opposite side blank.
		DL3060	Thumbturn x Blank	E0190 Series	- By thumbturn one side; opposite side blank.

Strikes



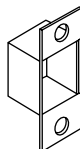
Standard Strike

2-3/4" (70mm) x
1-1/8" (29mm).
To order separately,
specify 424F83 x
Finish.



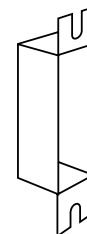
ANSI Strike

Optional; see Quick
Codes.
To order separately,
specify 423L71 x
Finish.



Wrought Strike Box

Standard with
Standard Strike.
To order separately,
specify 496F71-8.



ANSI Wrought Strike Box

Optional for use
with ANSI Strike; see
Quick Codes.
To order separately,
specify 120F76-8.



Optional Strike

3-1/2" (89mm) x
1-1/8" (29mm); see
Quick Codes.
To order separately,
specify 394F19 x
Finish.

Deadlocks DL3000 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL3013	626

Contract/Detailed Order

Quantity	Keyset	Series/Function	Finish	Optional Strike	Door Thickness	Misc. Options
24	AA1	DL3013	613	SS118	D214	C6-M17

Quick Codes

Finish

	Description	Specify
US3	Bright Brass	605
US4	Satin Brass	606
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300
Other Strikes (no lip)	Specify
2-3/4" (70mm) x 1-1/8" (29mm)	(standard)
3-1/2" (89mm) x 1-1/8" (29mm)	SD001

Door Thickness

Description	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2-1/4" (57mm)	D214
1-3/8" (35mm)	D138

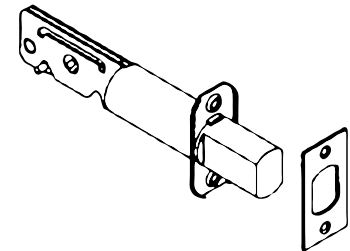
Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Conventional 7-pin	7P
SFIC 7-pin with Less Core	CLS7
Interchangeable core (IC) 6-pin	C6
IC 6-pin less core	CL6
SFIC 6-pin with Less Core	CLS6
IC 6-pin with temporary construction core	CT6
Security	HS
Security IC	CHS
Pyramid (FC)	PHS
Pyramid (IC)	PCHS
Pyramid Temp Core	CTP
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#

Note: Interchangeable core not available with 1-3/8" door thickness (D138) option and 2-3/8" backset (B238) option.

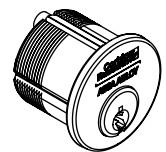
Miscellaneous Options

Description	Specify
ANSI wrought strike box	M17
Wrought box for standard strike	(standard)



Bolt and Front

Description	Part No.	Specify
2-3/4" (70mm) backset bolt (less front)	467F35-8	(standard)
2-3/8" (60mm) backset bolt (less front)	693F20-8	B238
1-1/8" (29mm) front	467F36	—



Cylinder Only

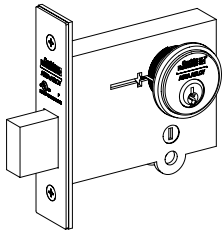
Specify Part No. x Keyway x Finis..

Description	Number
Conventional 6-pin	1000-118-A03
Conventional 7-pin	1000-114-A03-7
IC 6-pin	1080-114-A03
IC 6-pin less core	1070-114-A03
Security	1010-118-A03
Security IC	1090-114-A03
Pyramid (FC) Conventional	1020-114-A03
Pyramid (IC)	1030-114-A03
Inside thumbturn cylinder	1300-118-A03

Deadlocks DL4100 Series

Padlocks & Deadlocks

Features



Handing

Non-handed.

Door Thickness

Standard: 1-3/4" (44mm). Optional door thicknesses available; see Quick Codes.

Backset

2-3/4" (70mm).

Lockcase

Heavy wrought steel; zinc dichromate finish.

Front

Brass, bronze, stainless steel.
4-5/8" (117mm) x 1-1/8" (29mm).
Adjustable for flat or beveled doors (bevel adjustment 1/8" (3mm) in 2" (51mm).

Deadbolt

Steel with hardened pin; 1" (25mm) throw.

Strike

Standard: wrought brass or bronze, 3-1/2" (89mm) x 1-1/8" (29mm).
Optional strikes available; see Strikes, this page.

Cylinder

6-pin, L4 keyway, 0-bitted. Security cylinder optional; see Quick Codes.

Keys

Two nickel silver standard.

Keying Features Available

Master keying
Construction master keying
7-pin (FC) conventional
Interchangeable core (IC)
Security
Security (IC)
Visual key control
Concealed key control
Pyramid (FC)
Pyramid (IC)

Warranty

One-year limited.

Certification/Compliance

UL

Listed for use on fire doors.

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.

Functions

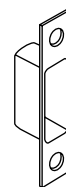
Outside	Inside	Series/Function	Type	ANSI No.	Function Description
		DL4113	Single Cylinder	E6070 Series	- By key outside and by thumbturn inside.
		DL4112	Double Cylinder	E6060 Series	- By key either side.
		DL4117	Classroom	E6090 Series	- By key outside and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
		DL4111	Cylinder x Blank	E6080 Series	- By key one side only; opposite side blank.
		DL4122	Double Cylinder x Thumbturn	—	- By key either side and by thumbturn inside. - Thumbturn will retract but not project deadbolt.
		DL4160	Thumbturn x Blank	—	- By thumbturn inside only; opposite side blank.

Strikes



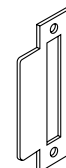
Standard Strike

3-1/2" (89mm) x 1-1/8" (29mm).
To order separately, specify 796F34 x Finish.



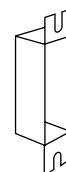
Strike Box

Optional with Standard Strike; see Quick Codes.
To order separately, specify 466F27-9.



ANSI Strike

Optional; see Quick Codes. To order separately, specify 240L08 x Finish.



ANSI Wrought Strike Box

Optional for use with ANSI Strike; see Quick Codes. To order separately, specify 120F76-8.

Deadlocks DL4100 Series

Padlocks & Deadlocks

Ordering Examples

Stock Order

Quantity	Series/Function	Finish
24	DL4113	626

Contract/Detailed Order

Quantity	Keyset	Series/Function	Finish	Optional Strike	Door Thickness	Misc. Options
7	AA13	DL4112	626	SS118	D234	C6-VKC2

Quick Codes

Finish

	Description	Specify
BHMA 605 (US3)	Bright Brass	605
BHMA 606 (US4)	Satin Brass	606
BHMA 611 (US9)	Bright Bronze	611
BHMA 612 (US10)	Satin Bronze	612
BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed	613
613L	Dark Oxidized Satin Bronze, Clear Coated	613L
BHMA 618 (US14)	Bright Nickel	618
BHMA 619 (US15)	Satin Nickel	619
BHMA 625 (US26)	Bright Chromium Plated	625
BHMA 626 (US26D)	Satin Chromium Plated	626

Strike

Lip to Center	ANSI Straight Lip Specify
7/8" (22mm)	SS078
1-1/8" (29mm)	SS118
1-1/4" (32mm)	SS114
1-3/8" (35mm)	SS138
1-1/2" (38mm)	SS112
1-3/4" (44mm)	SS134
2" (51mm)	SS200
2-1/4" (57mm)	SS214
2-1/2" (64mm)	SS212
2-3/4" (70mm)	SS234
3" (76mm)	SS300

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Conventional 7-pin	7P
Interchangeable core (IC) 6-pin	C6
IC 6-pin less core	CL6
IC 6-pin with temporary construction core	CT6
IC 7-pin	C7
IC 7-pin less core	CL7
IC 7-pin with temporary construction core	CT7
Security	HS
Security IC	CHS
Pyramid (FC) (Conventional)	PHS
Pyramid (IC)	PCHS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
- Keys only	VKC1
- Cylinders and keys (not available with HS or CHS)	VKC2
- Cylinders only (not available with HS or CHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders and VKC keys	CKC2
- CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys (e.g., KY6)	KY#

Deadlocks DL4100 Series

Padlocks & Deadlocks

Door Thickness

Description	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2-1/4" (57mm)	D214
2-1/2" (64mm)	D212
2-3/4" (70mm)	D234
3" (76mm)	D300
3-1/4" (83mm)	D314
3-1/2" (89mm)	D312
3-5/8" (92mm)	D358
3-3/4" (95mm)	D334
3-7/8" (98mm)	D378
4" (102mm)	D400

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
ANSI wrought strike box	M17
Lead wrapped case	M29
Ergonomic thumbturn	M34
Box for standard strike	M40

Cylinder Only

Specify Part No. x Keyway x Finish

Description	Number
Conventional 6-pin	1000-118-A07
Conventional 7-pin	1000-114-A07-7
IC 6-pin	1080-114-A07
IC 6-pin less core	1070-114-A07
IC 7-pin	1080-112-A07-7
IC 7-pin less core	1070-112-A07-7
Security	1010-118-A07
Security IC	1090-114-A07
Pyramid (FC) Conventional	1020-114-A07
Pyramid (IC)	1030-114-A07



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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**Corbin
Russwin** 
ASSA ABLOY

CL3100 Series

Vandal Resistant Lever Locksets



ASSA ABLOY, the global leader
in door opening solutions



Overview

CL3100

Table of Contents

- Overview 2
- Features 3
- Functions 5
- Trim Designs 7
- Options and Accessories 8
- How to Order 11
- Quick Codes 12
- How to Specify 14

Quality

The CL3100 series is a Grade 1 lever lockset manufactured with the highest quality materials to ensure strength, durability and quiet operation. Available in all standard architectural finishes, the CL3100 series subtly complements any high-use commercial, industrial and institutional application.

T-Zone Construction

Direct linkage with fixed alignment between the hub and the latchbolt is the best construction for quietly and effectively operating the latchbolt. For this reason, Corbin Russwin interlocks the aligning and latch tubes, which form a rugged torque resistant “T” in the critical twist area. This “T-Zone” construction, combined with long lasting components, makes T-Zone Lever locks outstanding!

Vandal Resistance

The Corbin Russwin CL3100 Series* follows a higher standard for Grade 1 bored locks. The unique T-Zone construction provides strength and durability by true interlocking between the lockbody and the latch far exceeding the 156.2 Series 4000 Grade 1 standards.

Applications

- High Traffic areas
- Offices
- Public buildings
- Hospitals
- Institutions
- Educational facilities – K-12 and Universities
- Retail

Key Advantages

- Several security key systems available (Pyramid, etc.)
- Fits most standard 161 door prep
- Only 45 degrees of lever rotation required to retract latchbolt
- 18 functions. Many of which are easily field changeable
- 3 levers and 4 roses available to cover a wide variety of door preps and design requirements
- Simple cylinder removal. Easy change outs.
- T-Zone construction tested to over 15 million cycles, exceeding BHMA Grade 1 standards by 15 times.

* U.S. Patent No. 6,626,018



MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silverbased antimicrobial coating designed to inhibit the growth of bacteria.

MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

Features

Hand

Non-handed

Door Thickness

1-3/4" (44mm) - 2" (51mm) standard.
Optional: Over 2" (51mm) - 2-1/4" (57mm); see Quick Codes, page 12.

Door Prep

ANSI A115.2 (161)

Lock Chassis

Steel, zinc dichromated for corrosion resistance.

Backset

2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm) and 5" (127mm); see Quick Codes, page 12.

Bearing Assembly

Cast and machined stainless steel

Latchbolt

Stainless steel bolt 7/8" (22mm) diameter x 1/2" (13mm) throw.
Optional: 3/4" (19mm) throw fire latch.

Front

Wrought brass or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm).
Accommodates flat front doors and doors beveled 1/8" (3mm) in 2" (51mm).

Strike

Wrought brass or stainless steel ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.

Optional: strikes, lip lengths and ANSI wrought strike box available.
See Quick Codes, page 12-13.

Levers

Secured with 6 lobe security set screw standard

Roses

Brass

Cylinder

Brass, 6-pin L4 keyway, 0-bitted standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC (not available with CL3129)
Pyramid (not available with CL3129)
Pyramid IC (not available with CL3129)

Keys

Two nickel silver standard.

Warranty

Ten-year limited.

Classroom Security

The CL3152 Classroom Intruder function is the solution to classroom security: a double cylinder lockset that allows locking of the outside lever from either side. Egress is always possible with the standard anti-panic feature, whether the door is locked or not. And because a key is needed to secure the door from either side, students cannot lock a teacher out of the classroom.



Sound Transmission Class Rated Product (M112)

Corbin Russwin CL3100 Series Lever Locks are part of the STC 55 Acoustical Door System from ASSA ABLOY Group brand Security Metal Products (SMP). The STC 55 Acoustical Door System is the perfect choice for any room where sound transmission needs to be kept to a minimum. This solution encompasses door, frame, sounds seals and threshold, and a special version of the CL3100 Lever Lock. To order the CL3100 Series Lever Lock for use with this door system, include the M112 quick code. It will be configured for use with the Acoustical Door System.

To learn more about SMP and the STC 55 Acoustical Door System, please visit www.secmet.com

Certification/Compliance

ANSI

Exceeds A156.2 Series 4000, Grade 1.
Meets A117.1 Accessibility Code.



Federal

Meets FF-H-106C.

California State Reference Code

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

UL

UL and cUL listed to Canadian Safety Standards
Listed for 3 Hour Doors

C-UL US

All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch 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.

A.D.A.

All levers conform to ADA requirements for barrier-free accessibility.





Windstorm

UL Listed: ANSI/SDI-BHMA A250.13;ANSI/ASTM E330-2002
ANSI/ASTM 31886-2005 & ASTM 31996-1009
UL Certification Directory ZHEM.R21744 Latching Hardware
Listed on Florida Building Code Website: FL4351-R1

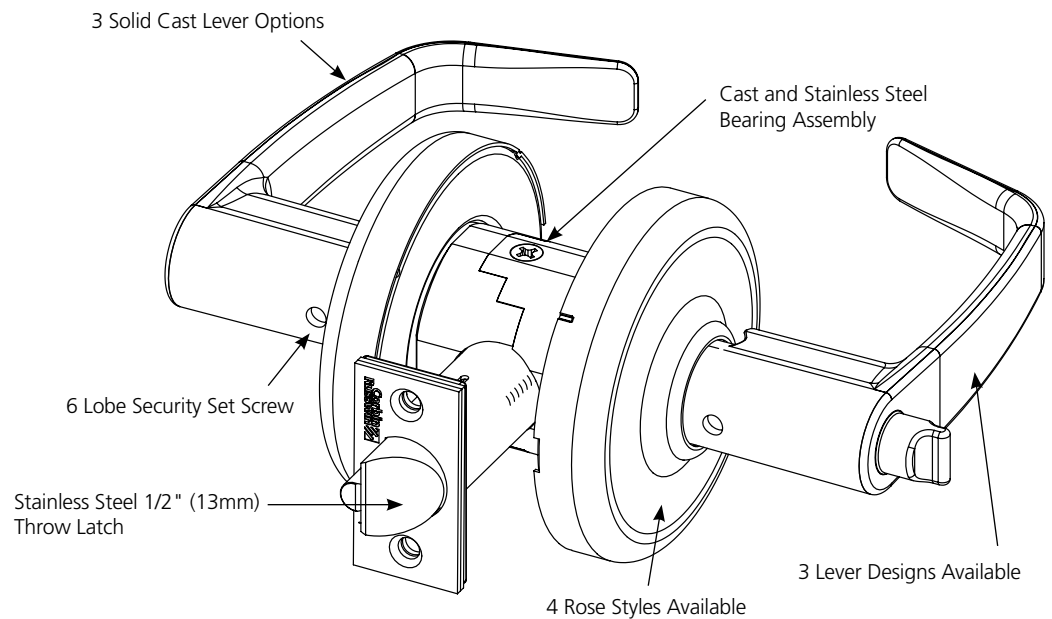
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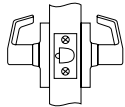
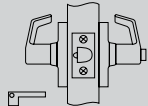
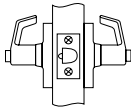
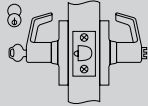
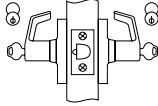
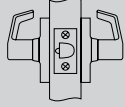
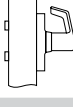
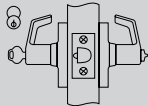
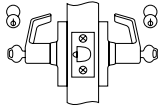
CL3100

Finishes

BHMA 605 (US3)	Bright Brass
BHMA 606 (US4)	Satin Brass
BHMA 611 (US9)	Bright Bronze
BHMA 612 (US10)	Satin Bronze
BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed
613L	Dark Oxidized Satin Bronze, Clear Coated
BHMA 618 (US14)	Bright Nickel Plated
BHMA 619 (US15)	Satin Nickel Plated
619C	Satin Nickel Plated with MicroShield® 
BHMA 625 (US26)	Bright Chromium Plated
BHMA 626 (US26D)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield® 
BHMA 722 (US10A)	Black Oxidized Bronze, Oil Rubbed

Zinc levers are plated to match BHMA finish.

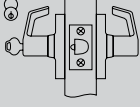
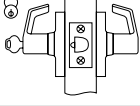
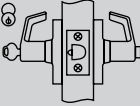
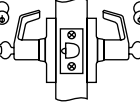
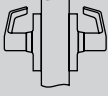
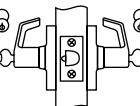
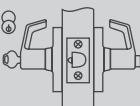
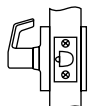
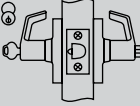



Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		CL3110	Passage or Closet	F75	<ul style="list-style-type: none"> Latchbolt by lever either side. Both levers always free.
		CL3120	Privacy, Bedroom or Bathroom	F76	<ul style="list-style-type: none"> Throw-off latchbolt by lever. Outside lever locked by push button on inside lever. Outside lever unlocked by emergency release tool outside, by rotating inside lever or by closing door. Inside lever always free.
		CL3120H	Hospital Privacy	—	<ul style="list-style-type: none"> Outside lever locked by push button on inside lever. Outside lever unlocked by rotating thumbturn on outside lever and releasing inside push button. Rotating inside lever or closing door also unlocks outside lever.
		CL3129	Hotel or Motel	F93	<ul style="list-style-type: none"> Deadlocking latchbolt by lever inside or by key outside. Push button shuts out all keys except emergency key, and projects occupancy indicator in face of cylinder. Push button released by turning inside lever. Outside lever always locked. Inside lever always free. Not available with other manufacturers keyways Pushbutton will not depress unless door is in closed position Lockout key fixes pushbutton in locked position, shutting out all keys except emergency key. Lockout key ordered separately.
		CL3132	Institutional or Utility	F87	<ul style="list-style-type: none"> Deadlocking latchbolt by key either side. Should be used only in office or room with multiple entries.
		CL3140NT	Exit Latch	F89	<ul style="list-style-type: none"> Deadlocking latchbolt by lever inside. Outside lever always locked. Inside lever always free.
		CL3150	Half Dummy Trim	—	<ul style="list-style-type: none"> Lever acts as pull only; no operation. Lever is rigid.
		CL3151	Entrance or Office	F81	<ul style="list-style-type: none"> Deadlocking latchbolt by lever either side, except when turn button locks outside. Turning button locks outside lever, requiring key at all times. Turning inside lever does not unlock outside lever until button is manually turned to unlocked position. Inside lever always free.
		CL3152	Classroom Intruder	—	<ul style="list-style-type: none"> Deadlocking latchbolt by inside lever or outside lever except when key inside or outside locks outside lever. Key in either lever locks or unlocks the outside lever except when inside locks the outside lever - then only the inside key can unlock the outside lever. The outside key only retracts the latchbolt unless the outside lever is unlocked by the inside key. Inside lever always free.

 Indicates optional interchangeable core available; see Quick Codes, page 12.

Functions

CL3100

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		CL3155	Classroom	F84	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side, except when key outside locks outside lever. • Outside lever locked or unlocked by key outside. • Inside lever always free.
		CL3157	Storeroom or Closet	F86	<ul style="list-style-type: none"> • Deadlocking latchbolt by key in outside lever or by rotating inside lever. • Inside lever always free. • Outside lever rigid at all times.
		CL3161	Entry or Office	F82	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side, except when push button locks outside lever. • Push button released by turning inside lever or by key in outside lever. • Closing door does not release push button. • Inside lever always free.
		CL3162	Communicating	F80	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side, except when key in either lever locks and unlocks the lever independently of the other. • Keyed alike unless otherwise specified. • Should be used only in office or room with multiple entries.
		CL3170	Full Dummy Trim	—	<ul style="list-style-type: none"> • Levers act as pulls only; no operation. • Levers are rigid.
		CL3172	Apartment, Exit or Public Toilet	F88	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side, except when key inside locks outside lever. • Key outside retracts latchbolt when outside lever is locked by key inside. • Key inside unlocks outside lever. • Inside lever always free. • Keyed alike unless otherwise specified.
		CL3175	Corridor/ Dormitory Lock	F90	<ul style="list-style-type: none"> • Throw-off latchbolt by lever either side except when pushbutton or key locks outside lever. • Pushbutton released by turning inside lever or by closing door. • Depressed pushbutton indicates door is locked. • When outside lever is locked by key, it can only be unlocked by key. • Inside lever always free. • Outside lever rigid when locked.
		CL3180	Passage Lever x Blank Plate	—	<ul style="list-style-type: none"> • Latchbolt by lever. • Lever on one side; blank plate on other side. • Lever always free. • For single or double communicating doors.
		CL3193	Service Station	F92	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever. • Outside lever locked by push button. • Key retracts latchbolt when outside lever is locked. • Pushbutton will not depress unless door is in closed position • Push button released by turning inside lever or by key in outside lever, unless pushbutton is fixed in locked position by turning coin slot in inside lever. • Inside lever always free.

 Indicates optional interchangeable core available; see Quick Codes, page 12.

Levers



Armstrong

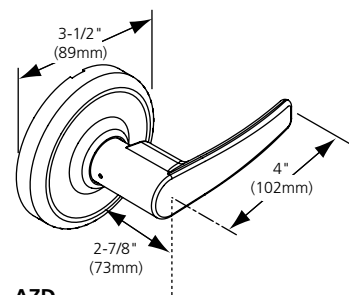
Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

AZD, AZC, AZE, or AZK



Lever: Die cast zinc

Rose: Brass



AZD

AZD shown



Newport

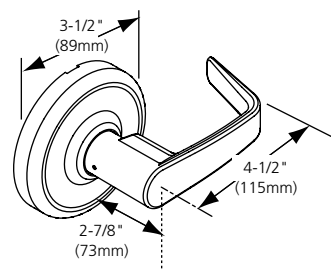
Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

NZD, NZC, NZE, or NZK



Lever: Die cast zinc

Rose: Brass



NZD

NZD shown



Princeton

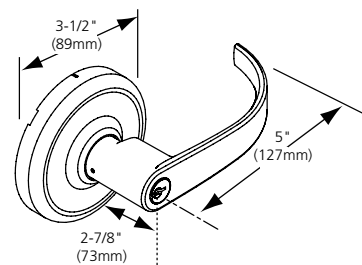
Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

PZD, PZC, PZE, or PZK



Lever: Die cast zinc

Rose: Brass



PZD

PZD shown

Roses

D Rose (standard)

3-1/2" Dia.
Brass



C Rose

2-3/4" Dia.
Brass



E Rose

3-1/8" Sq.
Brass



K Rose

2-3/4" Dia.
Brass



Options & Accessories

CL3100

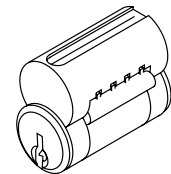
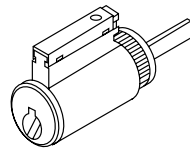
Latches

To order optional latch with lockset, see Quick Codes, pages 12-13.
To order latch separately, specify Part No. x Finish (e.g., 780F81 x 626).

Part	Code	Functions
Standard 2-3/4" (70 mm) Backset		
780F81	A	10
780F82	B	32, 40NT, 51, 52, 55, 57, 62, 72, 80
780F83	C	20, 20H
780F84	D	29, 75, 93
780F85	K	61
B334 option 3-3/4" (95mm) Backset		
780F86	A	10
780F87	B	32, 40NT, 51, 52, 55, 57, 62, 72, 80
780F88	C	20, 20H
780F89	D	29, 75, 93
780F90	K	61
B500 option 5" (127mm) Backset		
780F91	A	10
780F92	B	32, 40NT, 51, 52, 55, 57, 62, 72, 80
780F93	C	20, 20H
780F94	D	29, 75, 93
780F95	K	61
M16 option 3/4" (19mm) Throw		
780F96	—	10, 51, 55, 57, 72, 80

Note: Code letter stamped on inside corner of latch front identifies function(s) compatible with latch assembly.

Corbin Russwin Cylinders



Security Type	Pins	Standard Cylinder	Interchangeable Core
Conventional	6-Pin	2000-031 (standard)	8000
	7-Pin	2000-031-7	8000-7
Hotel	6-Pin	2001-031	8001-031
	7-Pin	2001-031-7	8001-031-7
Security	6-Pin	2010-031	8010
High Security Pyramid	7-pin	2020-031	8020
Security Pyramid	7-pin	2027-031	8027

Plug diameter for standard cylinders is .509, .552 for security cylinders and .496 for Pyramid cylinders.

Cylinders are brass and come with 2 nickel silver keys.

Finishes for standard cylinders include 606 or 626. Finishes for interchangeable core cylinders include 605, 606, 611, 612, 613, 625, 626.

To order cylinders separately, specify Part No. x Keyway x Finish (e.g., 2000-031 x L4 x 626).

Cylinders with Keyways From Other Manufacturers*

Competitive Keyway	Number
Schlage® C (0-bitted)	2400-031-C
Schlage® C (keyed random)	2400-031-C-KR
Sargent® LA (0-bitted only)	2400-031-LA

*0-Bitted cylinders are 6-pin. Keyed random cylinders are 5-pin only.

Levers That Accept Interchangeable Core Cylinders From Other Manufacturers*

Cylinder Type	Quick Code	Part Number
SFIC 6 or 7-pin Cylinder	Specify M08	780F658 Tailpiece Kit
Schlage® LFIC 6-pin Cylinder	Specify M69	780F662 Tailpiece Kit

*Cylinder not included.

Adapters Required to Accept Cylinders From Other Manufacturers*

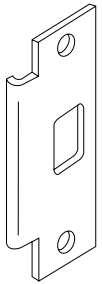
Competitive Cylinder	Part Number
Schlage® Conventional (21-002, 23-001, 23-013) or Primus® (20-548, 20-550, 20-748, 20-750)	778F78-8 Tailpiece included with M06 option
Sargent® 13-4145	775F948 Tailpiece kit and special lever included with M09 option

*Cylinder not included.

Options & Accessories

CL3100

Strikes



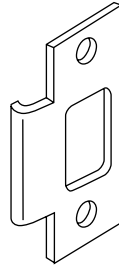
ANSI Curved Lip (standard)

Brass, bronze, or stainless steel, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.

Optional lip lengths: 1" (25mm), 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).

To order with lockset, see Quick Codes, page 12.

To order separately, specify 217L13 x Lip Length x Finish.



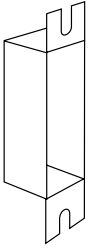
Curved Lip "T" Strike (option)

Brass, bronze, or stainless steel 2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (32mm) lip to center

Optional lip lengths: 1" (25mm), 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)

To order optional strike with lockset, see Quick Codes, page 12.

To order separately, specify 586L19 x Lip Length x Finish.

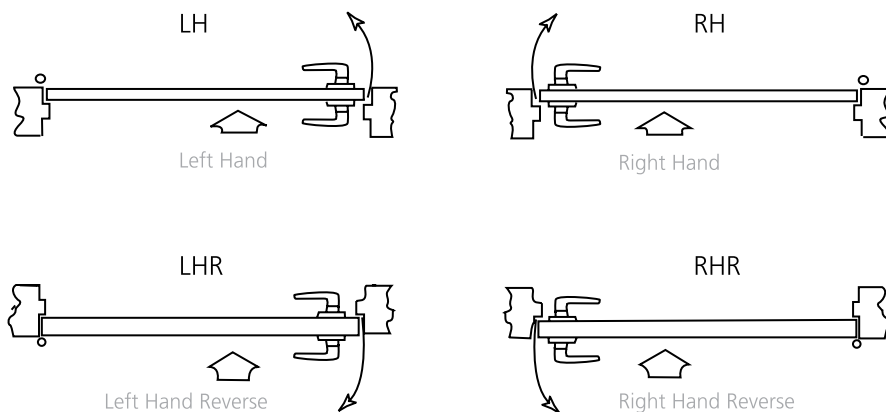


ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 13.

To order separately, specify 120F76-8.

Ordering Examples



Where to find ordering information and quick codes

Series/Function	Pages 5-6
Trim Designs	Page 7
Latches	Page 8
Finish	Page 12
Door Thickness	Page 12
Backset	Page 12
Strike	Page 10
Cylinders and Keying	Page 12
Miscellaneous Options	Page 12

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	CL3155	NZD	626	RHR

Split Trim / Finish Order

Quantity	Series/Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	CL3155	NZD	NZD	626	625	LH

Contract / Detailed Order

Quantity	Keypad	Series/Function	Trim	Finish	Hand	Door Thickness	Backset	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	CL3155	NZE	626	RHR	D214	B334	SC114	M04-M16	C6	VK3

Quick Codes

CL3100

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Less cylinder(s)	LC
LFIC 6-pin	C6
LFIC 6-pin with Temporary Construction Core (Red)	CT6R
LFIC 6-pin with Temporary Construction Core (Blue)	CT6B
LFIC 6-pin with Temporary Construction Core (Green)	CT6G
LFIC 6-pin with temporary construction core	CT6
LFIC 6-pin less core ³	CL6
LFIC 7-pin	C7
LFIC 7-pin with temporary construction core	CT7
LFIC 7-pin less core ³	CL7
LFIC 7-pin with Temporary Construction Core (Red)	CT7R
LFIC 7-pin with Temporary Construction Core (Blue)	CT7B
LFIC 7-pin with Temporary Construction Core (Green)	CT7G
Security ³	HS
Security LFIC ³	CHS
Pyramid High Security Fixed Core ³	PHS
Pyramid High Security LFIC ³	PCHS
Pyramid LFIC Less Core ³	CLP
Pyramid with temporary construction core ³	CTP
Pyramid Security Fixed Core ³	PS
Pyramid Security LFIC ³	PCS
Pyramid Disposable Core ³	CTPD
6-Pin Disposable Core ³	CT6D
7-Pin Disposable Core ³	CT7D
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
No bitting or keyset stamping on keys	VKCO
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, PCHS)	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

1 Available 0-bitted & keyed random (KR) only

2 Available 0-bitted only

3 Not available in CL3129 functions

Cylinder and Keying from other Manufacturers

Description	Specify
SFIC 6- or 7-pin Small Format Disposable Core ³	CTSD
Schlage® C keyway cylinder ¹	C
Sargent® LA keyway cylinder ²	LA

Finishes

Description	Specify
BHMA 605 (US3)	Bright Brass 605
BHMA 606 (US4)	Satin Brass 606
BHMA 611 (US9)	Bright Bronze 611
BHMA 612 (US10)	Satin Bronze 612
BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed 613
613L	Dark Oxidized Satin Bronze, Clear Coated 613L
BHMA 618 (US14)	Bright Nickel Plated 618
BHMA 619 (US15)	Satin Nickel Plated 619
619C	Satin Nickel Plated with MicroShield® 619C
BHMA 625 (US26)	Bright Chromium Plated 625
BHMA 626 (US26D)	Satin Chromium Plated 626
626C	Satin Chromium Plated with MicroShield® 626C
BHMA 722 (US10A)	Black Oxidized Bronze, Oil Rubbed 722

Strikes

ANSI Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	(standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (64mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300

Door Thickness

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

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® cylinder	M06*
Lever to accept SFIC 6 or 7-pin interchangeable core	M08*
Lever to accept Sargent® cylinder	M09*
3/4" (19mm) throw fire latch	M16
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
Lead lining (roses)	M28
Lever to accept Schlage® LFIC	M69*
Security Lever	M111
STC 55 Door Kit	M112

*Not available in CL3129 functions

How To Specify

CL3100

CL3100 Series Suggested Specification

All locksets shall be CL3100 Series Vandal Resistant Lever Locksets as manufactured by Corbin Russwin Architectural Hardware.

A single lock chassis shall accommodate 1-3/4" (44mm) to 2-1/4" (57mm) door thickness. Locksets shall be non-handed.

Locksets shall be able to withstand 3000 inch pounds of torque applied to the locked lever without gaining access.

Locksets shall have solid cast levers without plastic fillers. Outside lever handles shall be a minimum of 4-5/8" (117mm) in length and shall provide a minimum of 2" (51mm) clearance from the surface of the door to the inside of the lever at the midpoint. Outside lever handles may return to within 1/2" (13mm) of the door surface. Levers on keyed locksets shall be removable only when the designated key is in the cylinder.

Locksets shall be able to fit a standard 2-1/8" (55mm) bore without the use of thru-bolts. Standard rose size shall be 3-1/2" (89mm) in diameter.

Latchbolt head shall be one piece stainless steel. Latchbolt assembly shall be encased within the lock body.

Lockset shall have 2-3/4" (70mm) backset, standard.

A single lockset shall accommodate a 6 or 7-pin conventional cylinder and all levers of master keying, construction master keying, visual key control, security, high security and interchangeable core. Cylinders may be easily changed by removing the lever without disassembling the lockset.

Locksets required for fire doors shall be listed by UL for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10'0" (3m) and pairs of doors 8'0" (2.4m) x 10'0" (3m). A 3/4" (19mm) throw Latchbolt for pairs of fire doors shall be standard.

Locksets shall be cycle tested per ANSI A156.2, 1996, to eight (8) million cycles without any visible lever sag.

Certification:

Meets FF-H-106C

Exceeds ANSI A156.2 Series 4000, Grade 1

UL and cUL listed to Canadian safety standards

Listed for 3 Hour doors

All levers conform to ADA requirements for barrier free accessibility

Meets UL 10C and UBC 7-2 (1997)

UL Listed: ANSI/SDI-BHMA A250.13;ANSI/ASTM E330-2002

ANSI/ASTM 31886-2005 & ASTM 31996-1009

UL Certification Directory ZHEM.R21744 Latching Hardware

Listed on Florida Building Code Website: FL4351-R1

Meets ANSI A117.1 Accessibility Code.

California State Reference Code, 1989 (formerly Title 19, Cal. State Fire Marshal Standard).

Lockset shall carry a ten (10) year limited warranty.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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

Hardwiring Made Easy®



ElectroLynx®

As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.



MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silverbased antimicrobial coating designed to inhibit the growth of bacteria.

MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

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CL3300 Series

Extra Heavy-Duty Cylindrical
Lever Locksets



ASSA ABLOY, the global leader
in door opening solutions

Overview

CL3300



Quality

The CL3300 series is a Grade 1 cylindrical lockset manufactured with the highest quality materials to ensure strength, durability and quiet operation. Available in all standard architectural finishes and four lever designs, the CL3300 series subtly complements any high-use commercial, industrial and institutional application.

Access Control

For access control, the CL33900 Series Electrified Cylindrical lockset utilizes the proven CL3300 series lockset and features an integral continuous duty solenoid that allows installation in a standard cylindrical prep. Available in Fail Safe or Fail Secure, the CL33900 is ideal for door control where increased security is necessary at all times, while meeting life safety codes.

Classroom Security

The CL3352 Classroom Intruder function is the solution to classroom security: a double cylinder lockset that allows locking of the outside lever from either side. Egress is always possible with the standard anti-panic feature, whether the door is locked or not. And because a key is needed to secure the door from either side, students cannot lock a teacher out of the classroom.

Vandal Resistance

Engineered to meet today's increased security needs, the CL3300 series offers several advantages. All functions feature the Lever Release™ design for vandal resistance, allowing the outside lever to rotate when in the locked position. All CL3300 series locksets, including the CL33900 series, are available with Corbin Russwin Pyramid patented security or high security cylinders, 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.

Key Advantages

- EZ-Install components significantly reduce installation time
- Lever Release™ lever design for vandal resistance
- Pyramid cylinders for increased security
- Access control available with CL33900 Electrified lockset
- ElectroLynx® connectors are standard on all Corbin Russwin electrified products. McKinney QC hinges are recommended to make a complete plug and play application.
- Independent return springs prevent lever sag
- Covers ANSI/DHI Door Prep A115.18



Table of Contents

Overview	2
Features	3
Functions	5
Electrified Lockset	8
Trim Designs	11
Options and Accessories	12
How to Order	15
Quick Codes	16
How to Specify	18

Features

Non-Handed (Except FZD trim)

Door Thickness

1-3/4" (44mm) - 2" (51mm) standard.
Optional: Over 2" (51mm) - 2-1/4" (57mm); see Quick Codes, page 16.

Lock Chassis

Steel, zinc dichromated for corrosion resistance.

Backset

2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm) and 5" (127mm); see Quick Codes, page 16.

Latchbolt

Stainless Steel, 1/2" (13mm) throw.
Optional: 3/4" (19mm) throw deadlocking fire latch for pair of doors; see Quick Codes, page 17.

Auxiliary Latchbolt

Deadlocking latchbolt prevents manipulation when door is closed.

Front

Wrought brass, bronze, or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm).
Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).
Optional: rounded corners; see Quick Codes, page 17.

Strike

Wrought brass, bronze, or stainless steel
ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 16.

Cylinder

Brass, 6-pin L4 keyway, 0-bitted standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC (not available with CL3329)
Pyramid
Pyramid IC

Keys

Two nickel silver standard.

Warranty

Seven-year limited.

Classroom Security

The CL3352 Classroom Intruder function lockset allows locking of the outside lever from either side with the key. In a panic situation, the Key Turn Indicator serves as a quick reference for locking the door. And egress is always possible with the "anti-panic" feature, which keeps the outside lever locked if the inside lever is activated.



Certification/Compliance

ANSI

Meets A156.2 Series 4000, Grade 1.
Meets A117.1 Accessibility Code.

Federal

Meets FF-H-106C.

California State Reference Code

(Formerly Title 19, California State Fire Marshal Standard)

All levers with returns comply; levers return to within 1/2" (13mm) of door face.

C-UL US

All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch 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.

Features

CL3300

Finishes

BHMA 605* (US3)	Bright Brass
BHMA 606* (US4)	Satin Brass
BHMA 611 (US9)	Bright Bronze
BHMA 612 (US10)	Satin Bronze
BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed
613L	Dark Oxidized Satin Bronze, Clear Coated
BHMA 618 (US14)	Bright Nickel Plated
BHMA 619 (US15)	Satin Nickel Plated
BHMA 625 (US26)	Bright Chromium Plated
BHMA 626 (US26D)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 722	Black Oxidized Bronze, Oil Rubbed

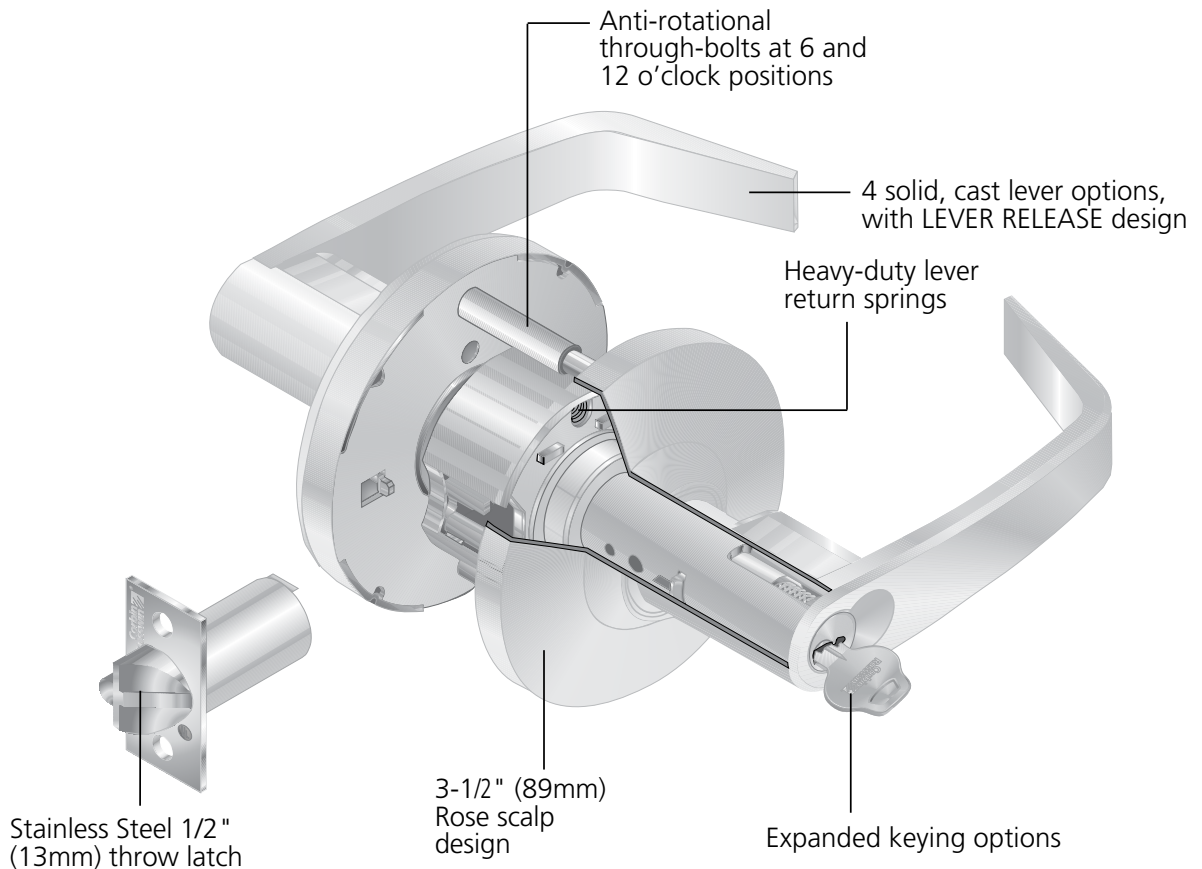
Zinc levers are plated to match BHMA finish.

*Infini-T® PVD finish standard on 605 and 606 except on the Frascati (FZD) lever. Conventional 605 and conventional 606 finishes will be supplied for the Frascati (FZD) lever.

Infini-T

Infini-T is a technologically advanced finish produced by a coating process called Physical Vapor Deposition (PVD).

Infini-T provides the ultimate surface protection against the elements and everyday wear and tear.



Outside	Inside	Series/Function	Type	ANSI No.	Function Description
		CL3310	Passage or Closet	F75	<ul style="list-style-type: none"> Latchbolt by lever either side. Both levers always free.
		CL3320	Privacy, Bedroom or Bathroom	F76	<ul style="list-style-type: none"> Throw-off latchbolt by lever. Outside lever locked by push button. (Lever handle is freewheeling in locked position.) Outside lever unlocked by emergency release tool outside, by rotating inside lever or by closing door. Inside lever always free.
		CL3320H	Hospital Privacy		<ul style="list-style-type: none"> Outside lever locked by push button. (Lever handle is freewheeling in locked position.) Outside lever unlocked by simultaneously depressing outside pushbutton while rotating lever. Rotating inside lever or closing door also unlocks outside lever. Outside lever handle is freewheeling when locked.
		CL3320TO	Time Out Lock		<ul style="list-style-type: none"> Latchbolt by lever either side (passage) unless push button depressed and held by caretaker (detention side becomes freewheeling). Lock returns to passage mode upon release of push button. Push button automatically releases when caretaker releases push button. Both levers always free.
		CL3329	Hotel or Motel	F93	<ul style="list-style-type: none"> Throw-off latchbolt by lever inside or by key outside. Push button shuts out all keys except emergency key, and projects occupancy indicator in face of cylinder. (Lever handle is freewheeling in locked position.) Push button released by turning inside lever or by closing door.* Outside lever always locked. Inside lever always free. Not available with other manufacturers keyways
		CL3332	Institutional or Utility	F87	<ul style="list-style-type: none"> Deadlocking latchbolt by key either side. (Lever handles are freewheeling in locked position.) Should be used only in office or room with multiple entries.
		CL3340	Patio or Privacy	F77	<ul style="list-style-type: none"> Throw-off latchbolt by lever. Outside lever locked by push button. (Lever handle is freewheeling in locked position.) Inside lever always free. Should not be used in rooms that have no other entrance.
		CL3340NT	Exit Latch	F89	<ul style="list-style-type: none"> Deadlocking latchbolt by lever inside. Outside lever always locked. (Lever handle is freewheeling in locked position.) Inside lever always free.



Indicates optional interchangeable core available; see Quick Codes, page 16.



Indicates freewheeling lever in locked position.

*Unless push button has been fixed in locked position by spanner key (furnished). When push button is fixed by spanner key, lock is operable only by emergency key or by display key.

Functions

CL3300

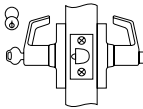
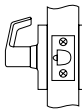
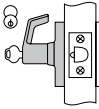
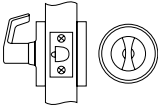
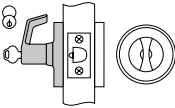
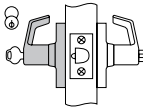

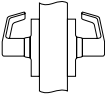
Outside	Inside	Series/Function	Type	ANSI No.	Function Description
		CL3351	Entrance or Office	F109	<ul style="list-style-type: none"> Deadlocking latchbolt by lever either side, except when turn button locks outside lever. Pushing turn button in locks outside lever, requiring use of key outside to unlock. (Lever handle is freewheeling in locked position.) Turning inside lever unlocks outside lever. Pushing in and turning button locks outside lever, requiring key at all times. Turning inside lever does not unlock outside lever until button is manually turned to unlocked position. Inside lever always free.
		CL3352	Classroom Intruder	—	<ul style="list-style-type: none"> Deadlocking latchbolt by inside lever or outside lever except when key inside or outside locks outside lever. (Lever handle is freewheeling in the locked position.) Outside lever is locked and unlocked by turning the key in the inside or outside lever. Inside lever always free.
		CL3355	Classroom	F84	<ul style="list-style-type: none"> Deadlocking latchbolt by lever either side, except when key outside locks outside lever. (Lever handle is freewheeling in locked position.) Outside lever unlocked by key outside. Inside lever always free.
		CL3357	Storeroom or Closet	F86	<ul style="list-style-type: none"> Deadlocking latchbolt by key in outside lever or by rotating inside lever. (Lever handle is freewheeling in locked position.) Inside lever always free.
		CL3359	Barrier Free Storeroom or Public Restroom	—	<ul style="list-style-type: none"> Deadlocking latchbolt by inside lever. Key outside unlocks outside lever to retract latchbolt. Key is retained in unlock mode. When key is removed outside lever is locked. (Lever handle is freewheeling in locked position.) Inside lever always free.
		CL3361	Entry or Office	F82	<ul style="list-style-type: none"> Deadlocking latchbolt by lever either side, except when push button locks outside lever. Push button released by turning inside lever or by key in outside lever. (Lever handle is freewheeling in locked position.) Closing door does not release push button. Inside lever always free.
		CL3362	Communicating	F80	<ul style="list-style-type: none"> Deadlocking latchbolt by lever either side, except when key in either lever locks and unlocks the lever independently of the other. (Lever handle is freewheeling in locked position.) Keyed alike unless otherwise specified. Should be used only in office or room with multiple entries.
		CL3372	Apartment, Exit or Public Toilet	F88	<ul style="list-style-type: none"> Deadlocking latchbolt by lever either side, except when key inside locks outside lever. (Lever handle is freewheeling in locked position.) Key outside retracts latchbolt. Key inside unlocks outside lever. Inside lever always free. Keyed alike unless otherwise specified.



Indicates optional interchangeable core available; see Quick Codes, page 16.



Indicates freewheeling lever in locked position.

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
		CL3375	Corridor/ Dormitory Lock	F90	<ul style="list-style-type: none"> • Throw-off latchbolt by lever either side except when pushbutton or key locks outside lever. • Pushbutton released by turning inside lever or by closing door. • Depressed pushbutton indicates door is locked. • When outside lever is locked by key, it can only be unlocked by key. • Inside lever always free. • Outside lever rigid when locked.
		CL3380	Passage Lever x Blank Plate	—	<ul style="list-style-type: none"> • Latchbolt by lever. • Lever on one side; blank plate on other side. • Lever always free. • For single or double communicating doors.
		CL3381	Keyed Lever x Blank Plate	—	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever, except when lever is locked by key. (Lever handle is freewheeling in locked position.) • Lever on one side; blank plate on other side. • Key unlocks lever
		CL3390	Passage Lever x Turnpiece	—	<ul style="list-style-type: none"> • Latchbolt by lever or by turnpiece. • Lever on one side; turnpiece on other side. • Lever and turnpiece always free.
		CL3391	Keyed Lever x Turnpiece	—	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever or turnpiece, except when lever is locked by key. • When lever is locked, latchbolt is operated by key in lever or by turnpiece. (Lever handle is freewheeling in locked position.) • Lever on outside; turnpiece on inside. • Turnpiece always free.
		CL3393	Service Station	F02	<ul style="list-style-type: none"> • Throw-off latchbolt by lever. • Outside lever locked by slotted push button. (Lever handle is freewheeling in locked position.) • When slotted push button is pushed in and turned, outside lever becomes freewheeling and deadlocking latch is activated. Outside lever is unlocked by using key or by rotating inside lever, when slotted push button returned to original position. • Inside lever always free.
		CL3350	Half Dummy Trim	—	<ul style="list-style-type: none"> • Lever acts as pull only; no operation. • Lever is rigid.
		CL3370	Full Dummy Trim	—	<ul style="list-style-type: none"> • Levers act as pulls only; no operation. • Levers are rigid.



Indicates optional interchangeable core available; see Quick Codes, page 16.



Indicates freewheeling lever in locked position.

CL33900 Electrified Lockset

CL3300

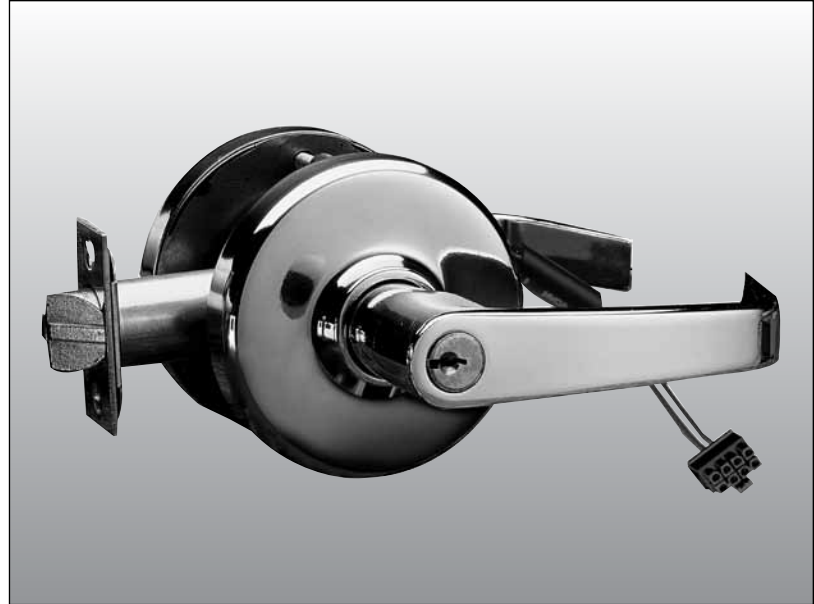
Applications

Provides remote locking and unlocking, utilizing the proven CL3300 Series Cylindrical Lockset. Ideal for door control where increased security is necessary at all times, while meeting life safety codes.

- Stairwell towers
- Tenant space
- Pharmacies
- Computer rooms
- High-security areas

Advantages

- Utilizes the CL3300 Series Cylindrical Lockset with Lever Release™ Mechanism
- Self-contained integral solenoid allows installation in modified cylindrical prep
- Minimal power requirements – device is designed to lock or unlock as the situation demands
- Available in either 12 or 24VAC/VDC
- Mechanical cylinder override
- Fail Safe and Fail Secure mode available
- Optional M92 Request to Exit (REX) switch
- ElectroLynx® 8-pin connector



ElectroLynx®

ElectroLynx®, a new quick-connect feature of ASSA ABLOY Group companies, takes the guesswork out of installing electrified door hardware products. It's ... Hardwiring Made Easy. By using standard "plug and play" connectors, a simple "click" links power from the incoming source to electrified locking products, including hinges, locks, exit devices, magnetic holders, and strikes. What normally takes an hour or more can be connected in virtually minutes.



Functions

Outside	Inside	Series/Function	Function Description
		CL33903	Fail Safe <ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side except when power on locks outside lever • Power off/unlocks outside lever • Inside lever always free • Latchbolt retracted by key when locked electrically
		CL33905	Fail Secure <ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side except when power off locks outside lever • Power on/unlocks outside lever • Inside lever always free • Latchbolt retracted by key when power is off

CL33900 Electrified Lockset

CL3300

Features

Non-Handed (Except FZD trim)

Door Thickness

1-3/4" (44mm) - 2" (51mm) standard.
Optional: Over 2" (51mm) - 2-1/4" (57mm); see Quick Codes, page 16.

Lock Chassis

Steel, zinc dichromated for corrosion resistance.

Backset

2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm) and 5" (127mm); see Quick Codes, page 16.

Latchbolt

Stainless Steel, 1/2" (13mm) throw.
Optional: 3/4" (19mm) throw deadlocking fire latch for pair of doors; see Quick Codes, page 17.

Auxiliary Latchbolt

Deadlocking latchbolt prevents manipulation when door is closed.

Front

Wrought brass or bronze, 2-1/4" (57mm) x 1-1/8" (29mm). Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).
Optional: rounded corners; see Quick Codes, page 17.

Strike

Wrought brass, bronze, or stainless steel, ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, pages 16.

Trims

Available with all lever designs: Armstrong, Newport, Princeton, Frascati.

Cylinder

Brass, 6-pin L4 keyway, 0-bitted standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
Interchangeable core (IC)
Security
Security IC
Pyramid
Pyramid IC

Keys

Two nickel silver standard.

Voltage

Locks are universal for AC or DC. Available with 12VAC/DC or 24VAC/DC. See Quick Codes, page 17.

Electrical Specifications

250mA @ 12VAC/VDC
150mA @ 24VAC/VDC
Continuous duty solenoid.

Monitoring Option

M92 - Request to Exit Monitoring (Non-Handed)

Request to Exit monitoring is a SPDT switch which monitors the activation of the trim.

Warranty

Two-year limited.

Certification/Compliance

ANSI

Meets A156.2 Series 4000, Grade 1.
Meets A117.1 Accessibility Code.

Federal

Meets FF-H-106C.

California State Reference Code

(Formerly Title 19, California State Fire Marshal Standard)

All levers with returns comply; levers return to within 1/2" (13mm) of door face.

C-UL US

All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. All locks with 3/4" (19mm) throw latchbolt listed for A label and lesser class 8' x 10' pairs of doors. Letter F and UL symbol on latch front indicate listing.

Finishes

BHMA 605* (US3)	Bright Brass
BHMA 606* (US4)	Satin Brass
BHMA 611 (US9)	Bright Bronze
BHMA 612 (US10)	Satin Bronze
BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed
613L	Dark Oxidized Satin Bronze, Clear Coated
BHMA 618 (US14)	Bright Nickel Plated
BHMA 619 (US15)	Satin Nickel Plated
BHMA 625 (US26)	Bright Chromium Plated
BHMA 626 (US26D)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 722	Black Oxidized Bronze, Oil Rubbed

CL33900 Electrified Lockset

CL3300

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. 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 CL33900 series electrified cylindrical lock to the electronic access control system, the following items are required:

- CL33900 series electrified cylindrical 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 the CL33903 function, the CL33905 function and the M92 (REX) option.

BPS Power Supply

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 voltage specific and are designed to meet UL 1481 Standards.

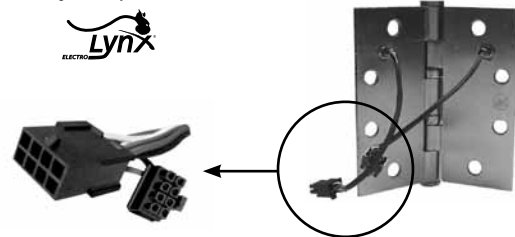
Features

- Fire panel emergency release input
- PC Board mounted system LED indicator
- Voltage specific 12 or 24VDC
- Regulated and filtered with input and output protection
- Battery charging is provided from a separate output terminal

Model	Input	Output
BPS-12-1	115VAC @ 50/60 Hz	1 Amp @ 12VDC
BPS-12-3		3 Amp @ 12VDC
BPS-24-1	115VAC @ 50/60 Hz	1 Amp @ 24VDC
BPS-24-2		2 Amp @ 24VDC



Hardwiring Made Easy™

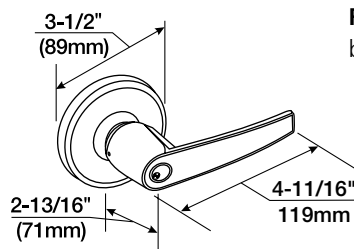


Trim Designs

CL3300



Armstrong



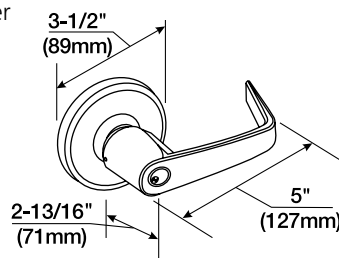
AZD

Lever: Die cast zinc
Rose: Wrought brass or bronze



Newport

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



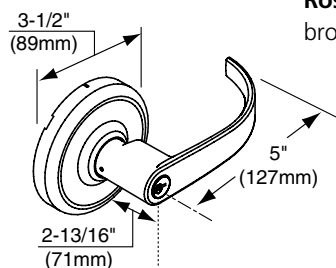
NZD

Lever: Die cast zinc
Rose: Wrought brass or bronze



Princeton

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

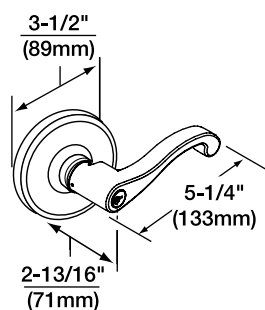


PZD

Lever: Die cast zinc
Rose: Wrought brass or bronze



Frascati



FZD

Lever: Die cast zinc
Rose: Wrought brass or bronze
Specify hand

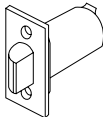
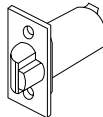
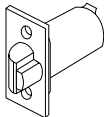
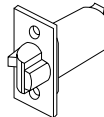


Options & Accessories

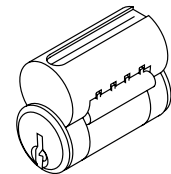
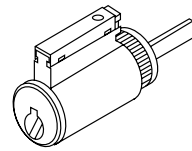
CL3300

Latches

To order optional latch with lockset, see Quick Codes, pages 16-17.
To order latch separately, specify Part No. x Finish (e.g., 586F16 x 626).

Backset and Front Description	Plain For CL3320TO, CL3310, CL3380, CL3390	Deadlocking	Throw-Off For CL3320, CL3320H, CL3329, CL3340, CL3375,CL3393	3/4" (19mm) Throw Deadlocking Fire Latch for Pair of Doors
2-3/4" (70mm) Backset				
Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	586F16	586F17	586F18	601F69 (Not available for CL3320, CL3329, CL3340, CL3375, CL3393) 605, 606 and 626 finishes available
Rounded corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	596F66	596F67	596F68	Not available
3-3/4" (95mm) Backset				
Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	586F80	586F81	586F82	Not available
Rounded corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	586F86	586F87	586F88	Not available
5" (127mm) Backset				
Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	598F20	598F21	598F22	Not available
Rounded corner front, 2-1/4" (57mm) x 1-1/8" (29mm)	601F24	601F25	601F26	Not available
				

Corbin Russwin Cylinders



Security Type	Pins	Standard Cylinder	Interchangeable Core
Conventional	6-Pin	2000-033 (standard)	8000
	7-Pin	2000-033-7	8000-7
Hotel	6-Pin	2001-034	8001-034
	7-Pin	2001-034-7	8001-034-7
Security	6-Pin	2010-033	8010
High Security Pyramid	7-pin	2020-033	8020
Security Pyramid	7-pin	2027-033	8027

Plug diameter for standard cylinders is .509, .552 for security cylinders and .496 for Pyramid cylinders.

Cylinders are brass and come with 2 nickel silver keys.

Finishes for standard cylinders include 606 or 626. Finishes for interchangeable core cylinders include 605, 606, 611, 612, 613, 625, 626.

To order cylinders separately, specify Part No. x Keyway x Finish (e.g., 2000-033 x L4 x 626).

Cylinders with Competitive Keyways*

Competitive Keyway	Number
Schlage® C (0-bitted)	2400-033-C
Schlage® C (keyed random)	2400-033-C-KR
Sargent® LA (0-bitted only)	2400-033-LA

*0-Bitted cylinders are 6-pin. Keyed random cylinders are 5-pin only.

Levers That Accept Competitive Interchangeable Core Cylinders*

Cylinder Type	Quick Code	Part Number
Best® 6 or 7-pin Interchangeable Core	Specify M08	682F958 Tailpiece Kit
Schlage® 6-pin Interchangeable Core	Specify M69	697F942 Tailpiece Kit

*Cylinder not included.

Adapters Required to Accept Competitive Cylinders*

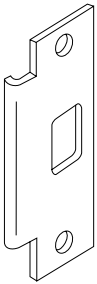
Competitive Cylinder	Part Number
Schlage® Conventional (21-002, 23-001, 23-013) or Primus® (20-548, 20-550, 20-748, 20-750)	682F39-8 Tailpiece included with M06 option
Sargent® 13-3266	682F96-9 Tailpiece kit and special lever included with M09 option

*Cylinder not included.

Options & Accessories

CL3300

Strikes



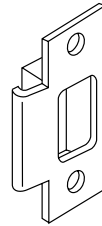
ANSI Curved Lip (standard)

Brass, bronze, or stainless steel, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.

Optional lip lengths: 1" (25mm), 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).

To order with lockset, see Quick Codes, page 16.

To order separately, specify 217L13 x Lip Length x Finish.



Curved Lip Box

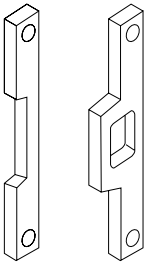
Brass or bronze

2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (32mm) lip to center.

Optional lip lengths: 1" (25mm), 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).

To order with lockset, see Quick Codes, page 16.

To order separately, specify 586L19 x Lip Length x Finish.



Rabbeted Front and Strike

Brass or bronze 4" (102mm) x 5/8" (16mm) for 1/2" (13mm) rabbet.

No optional lip lengths.

To order with lockset, see Quick Codes, page 16.

To order separately, specify 601F28 x Finish.

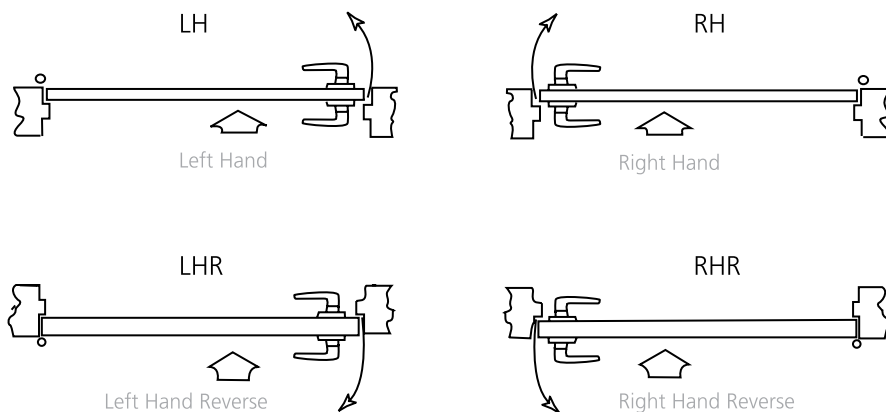


ANSI Wrought Strike Box

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

To order separately, specify 120F76-8.

Ordering Examples



Where to find ordering information and quick codes

Series/Function	Pages 5-7
Trim Designs	Page 11
Finish	Page 16
Door Thickness	Page 16
Backset	Page 16
Strike	Page 16
Cylinders and Keying	Page 16
Miscellaneous Options	Page 17
Electric Accessories	Page 17
Voltage	Page 17

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	CL3355	NZD	626	RHR

Split Trim / Finish Order

Quantity	Series/Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	CL3355	NZD	AZD	626	625	LH

Contract / Detailed Order

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Door Thickness	Backset	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	CL3355	NZD	626	RHR	D214	B334	SC114	M04-M16	C6	VKC3

Electrified CL33900 Series

Quantity	Series/Function	Trim	Finish	Hand	Voltage
6	CL33903	AZD	626	RH	12AD

Quick Codes

CL3300

Cylinder 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
IC 6-pin with Temporary Construction Core (Blue)	CT6B
IC 6-pin with Temporary Construction Core (Green)	CT6G
IC 6-pin with temporary construction core	CT6
IC 6-pin less core ³	CL6
SFIC 6- or 7-pin Small Format Disposable Core ³	CTSD
IC 7-pin	C7
IC 7-pin with temporary construction core	CT7
IC 7-pin less core ³	CL7
IC 7-pin with Temporary Construction Core (Red)	CT7R
IC 7-pin with Temporary Construction Core (Blue)	CT7B
IC 7-pin with Temporary Construction Core (Green)	CT7G
Security ³	HS
Security IC ³	CHS
Pyramid High Security Fixed Core ³	PHS
Pyramid High Security IC ³	PCHS
Pyramid IC Less Core ³	CLP
Pyramid with temporary construction core ³	CTP
Pyramid Security Fixed Core ³	PS
Pyramid Security IC ³	PCS
Pyramid Disposable Core ³	CTPD
6-Pin Disposable Core ³	CT6D
7-Pin Disposable Core ³	CT7D
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
No bitting or keyset stamping on keys	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, PCHS)	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)
Schlage® C keyway cylinder ¹	C
Sargent® LA keyway cylinder ²	LA

1 Available 0-bitted & keyed random (KR) only

2 Available 0-bitted only

3 Not available in CL3329 functions

Finishes

Description	Specify
BHMA 605 (US3)	Bright Brass 605
BHMA 606 (US4)	Satin Brass 606
BHMA 611 (US9)	Bright Bronze 611
BHMA 612 (US10)	Satin Bronze 612
BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed 613
613L	Dark Oxidized Satin Bronze, Clear Coated 613L
BHMA 618 (US14)	Bright Nickel Plated 618
BHMA 619 (US15)	Satin Nickel Plated 619
BHMA 625 (US26)	Bright Chromium Plated 625
BHMA 626 (US26D)	Satin Chromium Plated 626
626C	Satin Chromium Plated with MicroShield®  626C
BHMA 722	Black Oxidized Bronze, Oil Rubbed 722

Strikes

ANSI Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	(standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (64mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300
Rabbeted front and strike		Specify SR118

Door Thickness

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

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® cylinder	M06*
Lever to accept Best® type 6 or 7-pin interchangeable core (NZD & PZD design only)	M08*
Lever to accept Sargent® cylinder (NZD & PZD designs only)	M09*
Lever to accept Schlage® Interchangeable core (NZD & PZD design only)	M69*
Rounded corners on latch front	M13
3/4" (19mm) throw fire latch	M16
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
Lead lining (roses)	M28
Request to Exit (REX) Switch (CL33900 only)	M92

*Not available in CL3329 functions

Electric Accessories

Description	Part Number
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

Voltage Options

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

How To Specify

CL3300

CL3300 Series Suggested Specification

All locksets shall be CL3300 Series Extra Heavy Duty Cylindrical Lever Locksets as manufactured by Corbin Russwin Architectural Hardware.

A single lock chassis shall accommodate 1-3/4" (44mm) to 2-1/4" (57mm) door thickness. Locksets shall be non-handed. Locksets shall have separate anti-rotation throughbolts, and shall have no exposed mounting screws.

Locksets shall have solid cast levers without plastic inserts. Levers shall operate independently, and shall have separate inside and outside lever return springs to prevent lever sag. Outside lever handles shall be a minimum of 4-5/8" (117mm) in length and shall provide a minimum of 2" (51mm) clearance from the surface of the door to the inside of the lever at the midpoint. Outside lever handles may return to within 1/2" (13mm) of the door surface. Levers on keyed locksets shall be removable only when the designated key is in the cylinder.

When the outside lever is locked, it shall rotate freely and it shall return to its horizontal position when released.

A single lockset shall accommodate 6 or 7-pin conventional cylinders and all levels of master keying, construction master keying, visual key control, security, high security and interchangeable core. Cylinders may be easily changed by removing the lever without disassembling the lockset.

A 3/4" (19mm) throw latchbolt for pairs of fire doors shall be available. All locksets with a 1/2" (13mm) throw latchbolt shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4' x 10'. All locksets with 3/4" (19mm) throw latchbolt shall be UL listed for A label and lesser class pairs of doors, 8' x 10'.

Certification:

Federal Specification FF-H-106C

ANSI A156.2 Series 4000, Grade 1

ANSI A117.1 Accessibility Code

California State Reference Code, 1989 (formerly Title 19, California State Fire Marshal Standard).

Locksets shall carry a seven-year limited warranty.

Electrified locksets shall carry a two-year limited warranty.

CL33900 Electrified Series Suggested Specification

All locksets shall be CL33900 Series Extra Heavy Duty Cylindrical Lever Locksets as manufactured by Corbin Russwin Architectural Hardware.

A single lock chassis shall accommodate 1-3/4" (44mm) to 2-1/4" (57mm) door thickness. Locksets shall be non-handed. Locksets shall have separate anti-rotation throughbolts, and shall have no exposed mounting screws.

Locksets shall have solid cast levers without plastic inserts. Levers shall operate independently, and shall have separate inside and outside lever return springs to prevent lever sag. Outside lever handles shall be a minimum of 4-5/8" (117mm) in length and shall provide a minimum of 2" (51mm) clearance from the surface of the door to the inside of the lever at the midpoint. Outside lever handles may return to within 1/2" (13mm) of the door surface. Levers on keyed locksets shall be removable only when the designated key is in the cylinder.

When the outside lever is locked, it shall rotate freely and it shall return to its horizontal position when released.

The CL33900 Series shall be available 12 or 24 volt AC and DC (rectifier to be included) and Fail Safe or Fail Secure. The locking solenoid shall be continuous duty and self-contained in the lock chassis.

A single lockset shall accommodate 6 or 7-pin conventional cylinders and all levels of master keying, construction master keying, visual key control, security, high security and interchangeable core. Cylinders may be easily changed by removing the lever without disassembling the lockset.

A 3/4" (19mm) throw latchbolt for pairs of fire doors shall be available. All locksets with a 1/2" (13mm) throw latchbolt shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4' x 10'. All locksets with 3/4" (19mm) throw latchbolt shall be UL listed for A label and lesser class pairs of doors, 8' x 10'.

Certification:

Federal Specification FF-H-106C

ANSI A156.2 Series 4000, Grade 1

ANSI A117.1 Accessibility Code

California State Reference Code, 1989 (formerly Title 19, California State Fire Marshal Standard)

Electrified locksets shall carry a two-year limited warranty.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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



MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.

MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

Hardwiring Made Easy



ElectroLynx®

As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.

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

**Corbin
Russwin** 
ASSA ABLOY

CL3500 Series

Heavy-Duty Cylindrical
Lever Lockset



ASSA ABLOY, the global leader
in door opening solutions

Applications

CL3500

Index

Applications.....	2
Features.....	3
Functions.....	4
Trim Designs.....	6
Options & Accessories.....	7
How to Order	9
Quick Codes	10
How to Specify	11

Applications

A heavy-duty Grade 1 lever lockset, ideal for commercial, institutional and multi-family applications such as:

- Interior offices
- Apartment complexes
- Convalescent and elderly care facilities
- Hotels
- Restaurants
- Retail centers
- Fine homes

Advantages

- Non-handed
- Solid cast levers
- Independent return springs to prevent lever sag
- Through-bolted cylindrical chassis prevents rotation and ensures proper alignment
- ANSI Grade 1 certification
- Trim and keying compatible with other Corbin Russwin locksets



Features

Handing

Non-handed.

Door Thickness

1-3/4" standard (fits doors 1-3/8" - 1-3/4")

Backset

2-3/4" standard.

Optional: 2-3/8", 3-3/4" and 5"; see Quick Codes, page 10.

Lock Chassis

Steel, zinc dichromated for corrosion resistance.

Front

Brass, Bronze or Stainless Steel. 2-1/4" x 1-1/8" standard for 2-3/4", 3-3/4" and 5" backset. 2-1/4" x 1" standard for 2-3/8" backset. Accommodates flat doors and doors beveled 1/8" in 2".

Optional: rounded corner fronts; 1" fronts; see Quick Codes, page 10.

Latchbolt

Brass, chrome plated with 1/2" throw.

Auxiliary Latchbolt

Deadlocking latchbolt prevents manipulation when door is closed.

Strike

Wrought brass or stainless steel ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/4" lip to center standard.

Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 10.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard.

Optional Cylinders available; see Quick Codes, page 10.

Keying Features Available

7-pin

Master keying

Construction master keying

Visual key control

Concealed key control

Interchangeable core (IC)

Security

Security IC

Pyramid Security

Pyramid Security IC

Pyramid High Security

Pyramid High Security IC

Keys

Two nickel-silver standard.

Warranty

Seven-year limited.

Certification/Compliance

ANSI

A156.2 Series 4000, Grade 1.

Meets 117.1 Accessibility Code.



Federal


Meets FF-H-106C.

California State Reference Code

(Formerly Title 19, California State Fire Marshal Standard)


All levers with returns comply; levers return to within 1/2" of door face.

C-UL US

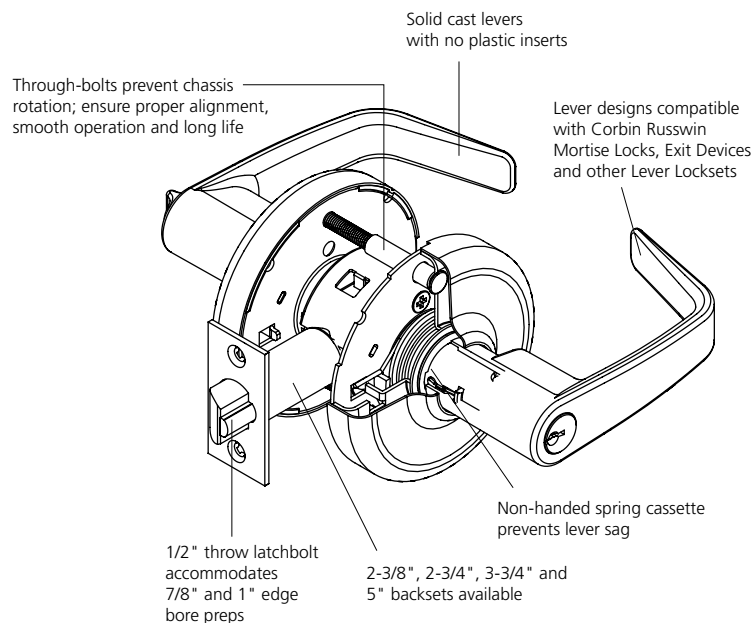
 All locks listed for "A" label and lesser class single doors, 4' x 10'. Letter F and UL symbol on latch front indicate listing.

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.

Finishes

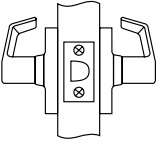
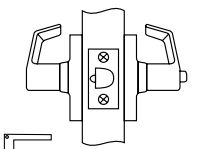
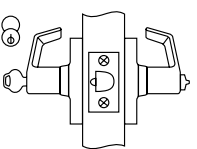
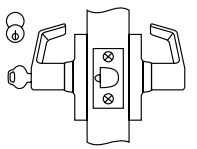
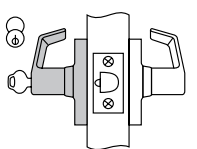
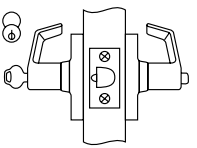
BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Dark Oxidized Satin Bronze, oil rubbed
613L	Dark Oxidized Satin Bronze, Clear Coated
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield® 
BHMA 722	Black Oxidized Bronze, oil rubbed


Zinc levers are plated to match BHMA finish.



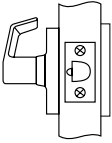
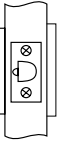
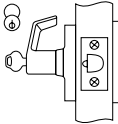
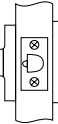
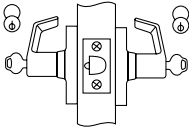
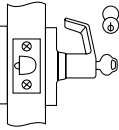
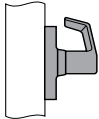

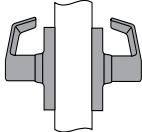
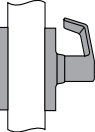
Functions


CL3500

Outside	Inside	Series/ Function	Type	ANSI No. Series 4000	Function Description
		CL3510	Passage or Closet	F75	<ul style="list-style-type: none"> Latchbolt by lever either side. Both levers always free.
		CL3520	Privacy Bedroom or Bathroom	F76	<ul style="list-style-type: none"> Throw-off latchbolt by lever either side. Outside lever locked by push button. Outside lever unlocked by emergency release tool outside, by rotating lever or by closing door. Inside lever always free.
		CL3551	Entrance or Office	F109	<ul style="list-style-type: none"> Deadlocking latchbolt by lever either side except when turn button locks outside lever. Pushing turn button locks outside lever, requiring use of key outside to unlock. Turning inside lever unlocks outside lever (when button is pushed in but not turned). Pushing in and turning button locks outside lever, requiring key at all times. Turning inside lever does not unlock outside lever until button is manually turned to unlocked position. Inside lever always free.
		CL3555	Classroom	F84	<ul style="list-style-type: none"> Deadlocking latchbolt by lever either side except when key outside locks outside lever. Outside lever unlocked by key outside. Inside lever always free.
		CL3557	Storeroom or Closet	F86	<ul style="list-style-type: none"> Deadlocking latchbolt by key in outside lever or by rotating inside lever. Outside lever always rigid. Inside lever always free.
		CL3561	Entrance or Office	F82	<ul style="list-style-type: none"> Deadlocking latchbolt by lever either side, except when push button locks outside lever. Push button released by turning inside lever or by key in outside lever. Closing door does not release push button. Inside lever always free.

 Indicates optional interchangeable core available; see How to Order, page 9.

 Indicates lever always rigid.

Outside	Inside	Series/ Function	Type	ANSI No. Series 4000	Function Description
		CL3580	Passage Lever x Blank Plate	—	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever. • Lever on one side; blank plate on other side. • Lever always free. • For single or double communicating doors.
		CL3581	Keyed Lever x Blank Plate	—	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever, except when lever is locked by key. • Lever on one side, blank plate on other side.
		CL3582	Store Door	F91	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side, except when key either side locks both levers. • Keyed alike unless otherwise specified.
		CL3550	Half Dummy Trim	—	<ul style="list-style-type: none"> • Lever acts as pull only; no operation.
		CL3570	Full Dummy Trim	—	<ul style="list-style-type: none"> • Levers act as pulls only; no operation.

 Indicates optional interchangeable core available; see How to Order, page 9.

 Indicates lever always rigid.

Trim Designs

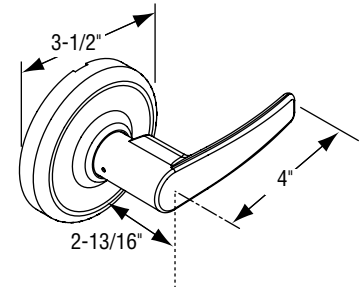
CL3500

Armstrong



AZD

Lever: Die-cast zinc
Rose: Wrought brass



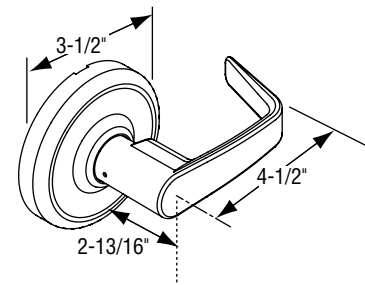
Newport

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



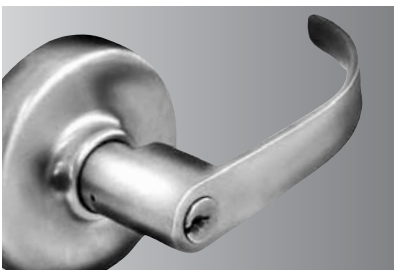
NZD

Lever: Die-cast zinc
Rose: Wrought brass



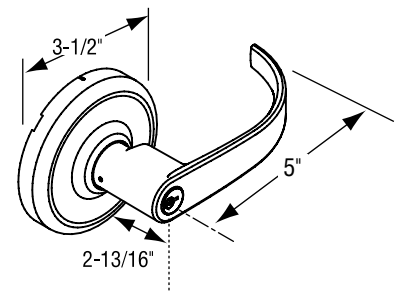
Princeton

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



PZD

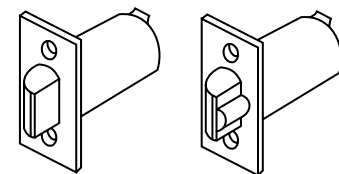
Lever: Die-cast zinc
Rose: Wrought brass



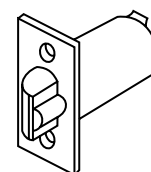
Latches

To order optional latchbolt with lockset, see How to Order, page 9.
To order latchbolt separately, specify Part No. x Finish (e.g., 599F91 x 626).

Backset and Front Description	Spring Latches	Deadlatches	Deadlatches with Release	
2-3/8" Backset	1" width, square corner	599F91	599F92	599F93
	1" width, rounded corner	599F94	599F95	599F96
	1-1/8" width, square corner	599F97	599F98	599F99
	1-1/8" width, rounded corner	600F00	600F01	600F02
2-3/4" Backset	1" width, square corner	600F03	600F04	600F05
	1" width, rounded corner	600F06	600F07	600F08
	1-1/8" width, square corner	600F09	600F10	600F11
	1-1/8" width, rounded corner	600F12	600F13	600F14
3-3/4" Backset	1-1/8" width, square corner	600F62	600F63	600F64
	1-1/8" width, rounded corner	600F65	600F66	600F67
5" Backset	1-1/8" width, square corner	600F68	600F69	600F70
	1-1/8" width, rounded corner	600F71	600F72	600F73



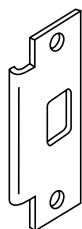
Spring Latches (CL3510) Deadlatches (All other functions)



Deadlatches with Release (CL3520)

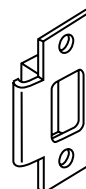
Housing diameter 7/8" for all models. 1" diameter latch sleeve furnished with each latchbolt.

Strikes



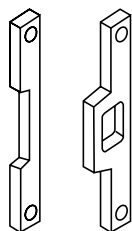
ANSI Curved Lip (standard)

Brass or stainless steel.
4-7/8" x 1-1/4" x 1-1/4" lip to center.
Optional lip lengths: 1", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3".
To order with lockset, see How to Order, page 9.
To order separately, specify 217L13 x Lip Length x Finish.



Curved Lip Box

Brass.
2-3/4" x 1-1/8" x 1-1/4" lip to center.
Optional lip lengths: 1", 1-1/8", 1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2", 2-3/4", 3".
To order with lockset, see How to Order, page 9.
To order separately, specify 586L19 x Lip Length x Finish.



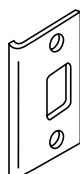
Rabbeted Front and Strike

Brass or bronze.
4" x 5/8" for 1/2" rabbet.
No optional lip lengths.
To order with lockset, see How to Order, page 9.
To order separately, specify 601F28 x Finish.



ANSI Wrought Strike Box

To order with lockset, see How to Order, page 9. To order separately, specify 120F76.



Full Lip Strike

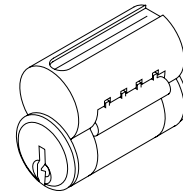
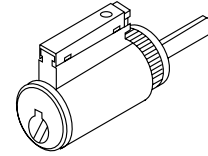
Brass.
2-3/4" x full lip x 1-1/8" lip to center.
No optional lip lengths. To order separately specify 607F76.

Options & Accessories

CL3500

Cylinders

		Standard Cylinder	Interchangeable Core
		.509" plug diameter conventional .552" plug diameter security .496" plug diameter Pyramid Brass, 6-pin 2 nickel silver keys Finishes: 606, 626	.509" plug diameter conventional .552" plug diameter security .496" plug diameter Pyramid Brass, 6-pin 2 nickel silver keys Finishes: 605, 606, 611, 612, 613, 625, 626
Conventional	6-pin	2000-033 (standard)	8000
	7-pin	2000-033-7	8000-7
Security	6-pin	2010-033	8010
Pyramid High Security	7-pin	2020-033	8020
Pyramid Security	7-pin	2027-033	8027
Schlage® C Keyway	6-pin	2400-033-C	—
Sargent® LA Keyway	6-pin	2400-033-LA	—



To order optional cylinder with lockset, see How to Order, page 9.
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 8000 x L4 x 626).

Compatibility with Competitive Cylinders

Competitive Cylinder	Parts Required for Installation
Schlage conventional 21-002, 23-001 or 23-013	682F398 tailpiece included with M06 option.
Schlage Primus 20-548, 20-550, 20-748 or 20-750	682F398 tailpiece included with M06 option.
Schlage 6-pin Interchangeable Core	Specify M69 - 697F942 Tailpiece included with M69 option.
Best® style core, 6 or 7-pin	682F95-8 tailpiece kit and special lever (NZD and PZD designs only) included with M08 option. Accommodates 6 and 7-pin cores.
Sargent 13-3266	599F38-9 Tailpiece kit and special lever. Included with M09 options. See How to Order, page 9.

For Assa® and Medeco® retrofit cylinders, consult those manufacturers' catalogs.

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish
100	CL3555	NZD	626

Split Trim / Finish Order

Quantity	Series/ Function	Trim		Finish	
		Outside	Inside	Outside	Inside
12	CL3555	NZD	AZD	626	625

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Backset	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	CL3555	PZD	626	B238	SC200	M04-M17	C6	VKC1

Where to find ordering information and Quick Codes

Series/Function	Pages 4-5
Trim Designs	Page 6
Finish	Page 10
Door Thickness	Page 10
Backset	Page 10
Strike	Page 10
Miscellaneous Options	Page 11
Cylinder and Keying	Page 10

Quick Codes

CL3500

Cylinder 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
IC 6-pin with Temporary Construction Core (Blue)	CT6B
IC 6-pin with Temporary Construction Core (Green)	CT6G
IC 6-pin less core	CL6
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
IC 7-pin	C7
IC 7-pin less core	CL7
IC 7-pin with Temporary Construction Core (Red)	CT7R
IC 7-pin with Temporary Construction Core (Blue)	CT7B
IC 7-pin with Temporary Construction Core (Green)	CT7G
Security	HS
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with temporary construction core	CTP
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-Pin Disposable Core	CT6D
7-Pin Disposable Core	CT7D
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
No bitting or keyset stamping on keys	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, PCHS)	CKC3
More than 2 keys	KY# (e.g., KY6)
Schlage® C keyway cylinder	C
Sargent® LA keyway cylinder	LA

Finishes

Description	Specify
BHMA 605 (US3)	Bright Brass 605
BHMA 606 (US4)	Satin Brass 606
BHMA 611 (US9)	Bright Bronze 611
BHMA 612 (US10)	Satin Bronze 612
BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed 613
613L	Dark Oxidized Satin Bronze, Clear Coated 613L
BHMA 618 (US14)	Bright Nickel Plated 618
BHMA 619 (US15)	Satin Nickel Plated 619
BHMA 625 (US26)	Bright Chromium Plated 625
BHMA 626 (US26D)	Satin Chromium Plated 626
626C	Satin Chromium Plated with MicroShield® 626C
BHMA 722	Black Oxidized Bronze, oil rubbed 722

Strikes

ANSI Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify	Full Lip Specify
1" (25mm)	SA100	SC100	
1-1/8" (29mm)	SA118	SC118	SF118
1-1/4" (32mm)	(standard)	SC114	
1-3/8" (35mm)	SA138	SC138	
1-1/2" (38mm)	SA112	SC112	
1-3/4" (44mm)	SA134	SC134	
2" (51mm)	SA200	SC200	
2-1/4" (57mm)	SA214	SC214	
2-1/2" (64mm)	SA212	SC212	
2-3/4" (70mm)	SA234	SC234	
3" (76mm)	SA300	SC300	
Rabbeted front and strike		Specify SR118	

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(standard)*

*Fits doors 1-3/8" -1-3/4"

Backset

Description	Specify
2-3/8" (60mm)	B238
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Quick Codes & How to Specify

CL3500

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
Less cylinder, with tailpiece for Schlage® cylinder	M06
Lever to accept Best® type 6 or 7-pin interchangeable core (NZD & PZD design only)	M08*
Lever to accept Sargent® cylinder (NZD & PZD designs only)	M09
Lever to accept Schlage® Interchangeable core (NZD & PZD design only)	M69
Rounded corners on latch front	M13
1" latch front, square corners (standard for 2-3/8" backset)	M14
1" latch front, rounded corners	M15
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
1-1/8" front, square corners (standard for 2-3/4", 3-3/4" and 5" backsets)	M32

*M08 must be specified for levers that accept small format cylinders

Suggested Specification

All locksets shall be CL3500 Series Heavy-Duty Cylindrical Lever Locksets as manufactured by Corbin Russwin Architectural Hardware.

A single lock chassis shall accommodate 1-3/8" (35mm) to 1-3/4" (44mm) thick doors. Locksets shall be non-handed. Locksets shall have through-bolted anti-rotation rose liners and shall contain no exposed screws. Chassis mounting screws may be accessed only when the lever and rose are removed.

Locksets shall have solid cast levers with no plastic inserts, and wrought roses on both sides. Locksets shall have lever return spring cassettes to prevent lever sag.

Levers shall operate independently. Lever handles shall be a minimum of 4" (102mm) in overall length and shall provide a minimum of 2" clearance from the surface of the door to the inside of the lever at the midpoint, and may also have a return that comes to within 1/2" of the door surface. Levers on keyed locksets shall be removable only when the designated key is in the cylinder.

A single lockset shall accommodate 6 or 7-pin conventional cylinders and all levels of master keying, construction master keying, visual key control, high security and interchangeable core. Cylinders may be easily changed by removing the lever without disassembling the lockset.

All locksets shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4'x10'.

Certification:

Federal Specification FF-H-106C

A156.2 Series 4000, Grade 1

ANSI A117.1 Accessibility Code

California State Reference Code, 1989 (formerly Title 19, California State Fire Marshal Standard)

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

All locksets shall carry a seven-year limited warranty.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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



MicroShield®

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

CL3700 Series

Light/Medium-Duty Lever Locksets



ASSA ABLOY, the global leader
in door opening solutions

Applications/Finishes

CL3700

Index

Applications.....	2
Finishes.....	2
Features.....	3
Trim Designs.....	3
Functions.....	4
Options and Accessories	5
How to Order/	6-7
Quick Codes	
Specifications.....	7

Quality

The CL3700 series is a Grade 2 light/medium-duty cylindrical lockset which provides an outstanding combination of value and performance. It is the ideal lever lockset for light commercial and heavy-duty residential applications such as interior offices, closets, multifamily housing, restaurants and retail complexes. Available in six architectural finishes and three lever designs, the CL3700 series provides quality materials and performance.

Aesthetics

Three lever designs offer variety when deciding on visual appeal, functionality and application. The Newport and Princeton lever designs easily fit into most commercial applications, while the Frascati lever brings a touch of Italy to residential and more sophisticated applications.

Finishes

Description	
BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 612	Satin Bronze
BHMA 613	Dark Oxidized Satin Bronze, oil rubbed
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
Zinc levers are plated to match BHMA finish.	

*Simulated painted finish meeting ANSI standards for wear and durability.

Vandal Resistance

CL3700 series locksets are available with Corbin Russwin's Pyramid patented security cylinder, the most secure locking system available. Pyramid is especially recommended for installations that require superior protection against picking and drilling. See the Key Systems catalog for additional information.

Key Advantages

- ANSI Grade 2 certification
- UL 1-1/2 hour fire rating
- Pyramid cylinders for increased security
- Interlocking tubular chassis and latchbolt
- ISO 9001 designed and manufactured in a certified 9001 facility

Features/Trim Designs

CL3700

Features

Handing

Field reversible.
Right or left hand must be specified for Frascati CL3755, 3759, 3780 and 3750.

Door Thickness

1-3/8" (35mm) to 1-3/4" (44mm).

Lock Chassis

Die-cast zinc for corrosion resistance.

Backset

2-3/4" (70mm) standard.
Optional: 2-3/8" (60mm).

Latches

1/2" (13mm) bolt projection.

Auxiliary Latchbolt

Deadlocking latchbolt prevents manipulation when door is closed.

Strike

"T" Strike standard. Optional strikes, lip lengths and ANSI wrought strike box available; see How to Order, page 6.

Cylinder

Brass, 6-pin, L4 keyway, "0" bitted standard.

Split Finishes

BHMA 605x625, 605x626, 606x625, and 606x626 are available in CL3720 privacy function only. Outside finish specified first. Front and strike finished to match inside trim unless otherwise specified.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
Pyramid

Keys

Two nickel silver standard.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.2 Series 4000, Grade 2.
Meets A117.1 Accessibility Code.

California State Reference Code

(Formerly Title 19, California State Fire Marshal Standard)

All levers with returns comply; levers return to within 1/2" of door face.

C-UL US

All locks listed for B Label Single doors.
UL symbol on latch front indicates 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.

Trim Designs

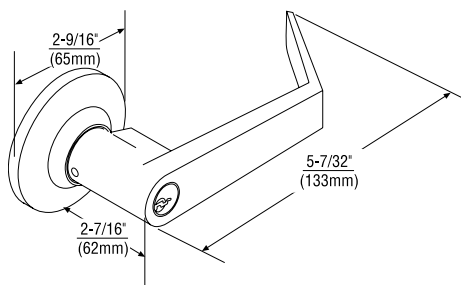
Newport NZD



Lever: Die-cast zinc
Lever length: 5-7/32" (133mm)
Rose: Brass
Rose diameter: 2-9/16" (65mm)



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



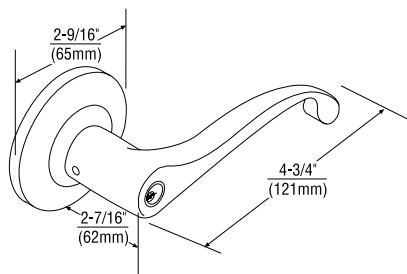
Frascati FZD



Lever: Die-cast zinc
Lever length: 4-3/4" (121mm)
Rose: Brass
Rose diameter: 2-9/16" (65mm)



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



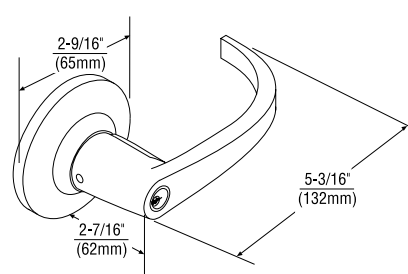
Princeton PZD



Lever: Die-cast zinc
Lever length: 5-3/16" (132mm)
Rose: Brass
Rose diameter: 2-9/16" (65mm)

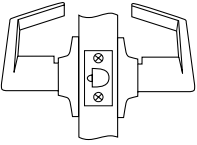
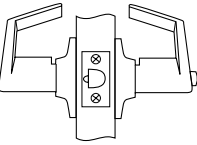
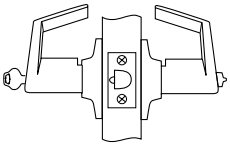
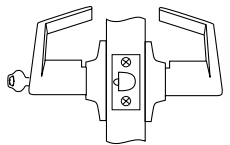
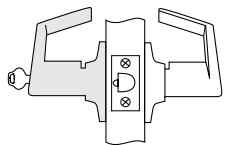
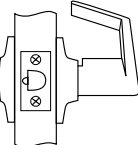
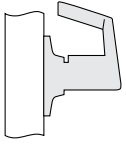


Complies with codes requiring lever to return to within 1/2" of door face.



Functions

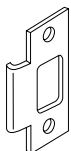
CL3700

Outside	Inside	Series/ Function	Type	ANSI No. Series 4000	Function Description
		CL3710	Passage or Closet	F75	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side. • Both levers always free.
		CL3720	Privacy Bedroom or Bathroom	F76	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side. • Outside lever locked by button. • Outside lever unlocked by rotating inside lever. • Emergency release in outside lever. • Inside lever always free.
		CL3751	Entrance or Office	F81/82	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side, except when turn button locks outside lever. • Rotating turn button locks outside lever, requiring key to unlock. • Rotating button the other way unlocks outside lever. • Inside lever always free.
		CL3755	Classroom	F84	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side, except when key outside locks outside lever. • Outside lever unlocked by key outside. • Inside lever always free.
		CL3759	Storeroom or Public Restroom	—	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever inside. • Key outside unlocks outside lever to retract latchbolt. • Lever retracts latchbolt. • Key is retained in the unlocked mode. • When key is removed, outside lever is locked. • Inside lever always free.
		CL3780	Exit Latch	—	<ul style="list-style-type: none"> • For twin communicating or exit doors where one side operation is required. • Also when space is limited between door and switch panel. • Deadlocking latchbolt. • One-lever operation. • Blank rose. • Should be used only where rooms have more than one entrance.
		CL3750	Half Dummy Trim (Through-bolted)	—	<ul style="list-style-type: none"> • Lever acts as pull only; no operation.

Options & Accessories

CL3700

Strikes

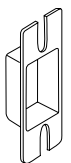


Curved Lip "T" Strike (Standard)

2-3/4" x 1-1/8" x 1-1/4" (70mm x 29mm x 32mm)
lip to center

To order with lockset, see How to Order, page 6.

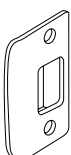
To order separately, specify 687F60 x Lip Length x Finish.



Dust Box for 2-3/4" (70mm) Curved Lip "T" Strike

To order with lockset, see How to Order, page 6.

To order separately, specify 687F94.

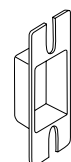


Full Lip Radius Corner

2-1/4" x 1-1/2" x 1" (57mm x 38mm x 25mm) lip
to center

To order with lockset, see How to Order, page 6.

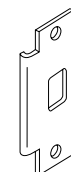
To order separately, specify 687F62 x 1-1/8" (29mm) x Finish.



Dust Box for 2-1/4" (57mm) Full Lip Radius and Square Corner Strikes

To order with lockset, see How to Order, page 6.

To order separately, specify 687F95.

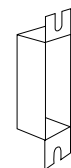


ANSI Curved Lip

4-7/8" x 1-1/4" x 1-1/4" (124mm x 32mm x 32mm) lip to center

To order with lockset, see How to Order, page 6.

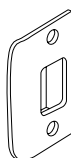
To order separately, specify 217L13 x Lip Length x Finish.



ANSI Wrought Strike Box

To order with lockset, see How to Order, page 6.

To order separately, specify 120F76-8.



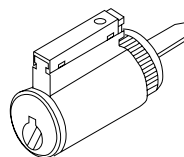
Full Lip Square Corner

2-1/4" x 1-1/2" x 1" (57mm x 38mm x 25mm) lip
to center

To order with lockset, see How to Order, page 6.

To order separately, specify 687F61 x Finish.

Cylinders



Standard Cylinder

.509" (13mm) plug diameter conventional

.552" (14mm) plug diameter high security

.496" plug diameter Pyramid

Brass, 6-pin

2 nickel silver keys

Finishes: 606, 626

Conventional	6-Pin	(standard) 2000-037
Schlage® C Keyway	6-Pin	2400-037-C "O" bitted or keyed random
Pyramid High Security	7-Pin	2020-037
Pyramid Security	7-Pin	2027-037

To order optional cylinder with lockset, see How to Order, page 6.

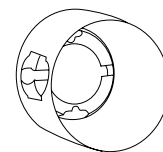
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 2000-037 x L4 x 626).

UL Firecup

Part No. 687F66

Supplied standard with all CL3700's.

Failure to use invalidates UL listing.

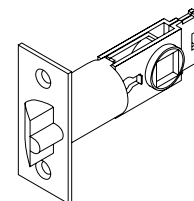


Latches

To order optional latchbolt with lockset, see How to Order, page 6.

To order latchbolt separately, specify Part No. x Finish (e.g., 687F63 x 626).

All CL3700 latches are deadlocking.



Backset and Front Description		UL Latches
2-3/4" (70mm)	Square Corner Front 2-1/4" x 1-1/8" (57mm x 29mm) faceplate	687F63
2-3/8" (60mm)	Square Corner Front 2-1/4" x 1" (57mm x 25mm) faceplate	687F64
2-3/8" (60mm)	1/4" Round Corner Front 2-1/4" x 1" (57mm x 25mm) faceplate	687F65
	1" (25mm) Latch Sleeve	687F71

Screw Pack

Part No. 687F96

Supplied standard with wood-machine screws combination.

How to Order/Quick Codes

CL3700

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish
100	CL3755	NZD	626

Contract/Detailed Order

Quantity	Keyset	Series/Function	Trim	Finish	Backset	Misc. Options	Keying
24	AA1	CL3755	NZD	626	B238	M17	CKC2

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
Pyramid High Security Fixed Core	PHS
Pyramid Security Fixed Core	PS
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
No bitting or keyset stamping on keys	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, PCHS)	CKC3
Lockset furnished with Schlage® C Keyway cylinder	C
More than 2 keys	KY# (e.g., KY6)

Finishes

	Description	Specify
BHMA 605 (US3)	Bright Brass	605
BHMA 606 (US4)	Satin Brass	606
BHMA 612 (US10)*	Satin Bronze	612
BHMA 613 (US10B)*	Oxidized Bronze, oil rubbed, available lacquered	613
BHMA 625 (US26)	Bright Chromium Plated	625
BHMA 626 (US26D)	Satin Chromium Plated	626

Zinc levers are plated to match BHMA finish.

* Simulated painted finish meeting ANSI standards for wear and durability.

** Split finish only available on CL3720 - see page 4.

Strikes

Strike Type	Specify
Curved Lip "T" Strike	(standard)
ANSI Curved Lip	SA114
Full Lip 1/4" (6mm) Radius Corner	SFR114
Full Lip Square Corner	SF114

Door Thickness

Door Thickness	Specify
1-3/8" (35mm) - 1-3/4" (44mm)	(standard)

Where to find ordering information and quick codes

Finishes	Page 2
Handing	Page 7
Trim Designs	Page 3
Series/Functions	Page 4
Door Thickness	Page 6
Backsets	Page 7
Strikes	Page 5
Miscellaneous Options	Page 7
Cylinders and Keying	Page 6

Quick Codes/Specifications

CL3700

Backset

Description	Specify
2-3/8" (60mm)	B238
2-3/4" (70mm)	(standard)

Handing

Hand	Specify
Right Hand	RH
Left Hand	LH

*Must specify hand for Frascati CL3755, 3759, 3780 and 3750.

Miscellaneous Options

Description	Specify
Less cylinder, with tailpiece for Schlage® cylinder	M06
1-1/8" (29mm) latch front, square corners (standard with 2-3/4" (70mm) backset.) Available in 2-3/4" (70mm) backset only	Standard
1" (25mm) latch front, square corners (standard with 2-3/8" (60mm) backset). Available in 2-3/8" (60mm) backset only	Standard
1" (25mm) latch front, rounded corners. Available in 2-3/8" (60mm) backset only	M15
ANSI wrought strike box	M17
Dust box for 2-3/4" (70mm) strike	M77
Dust box for 2-1/4" (57mm) strike	M78

Suggested Specification

Locksets shall be CL3700 Series Grade 2 Key-in-Lever Locksets.

Locks shall have an interlocking tubular chassis and latchbolt. Chassis mounting screws shall be accessible only when the inside lever and rose are removed.

The latchbolt shall have a 1/2" (13mm) throw and shall include a deadlocking feature to inhibit manipulation when the door is locked.

Locksets and latchbolts shall be reversible for ease of installation.

Locksets shall be adjustable for 1-3/8" (35mm) and 1-3/4" (44mm) door thickness. Levers shall have inside and outside lever return springs to prevent lever sag.

Lever handles shall be a minimum of 4-3/4" (121mm) in length and shall provide a minimum of 2-1/8" (54mm) clearance from surface of door to the inside of the lever at the midpoint.

Outside levers on keyed locksets shall be removable only when the designated key is in the cylinder.

Locksets shall be furnished with two nickel silver keys. All cylinder plugs shall be brass and furnished with 6-pin chambers for master keying capabilities.

Cylinders shall be easily changed by removing the lever without disassembling the lockset.

Certification:

UL 1-1/2 Hour Fire Rating
ANSI A156.2 Series 4000, Grade 2
ANSI A117.1 Accessibility Code
All locksets shall carry a one-year warranty.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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



CL3800 Series

Standard-Duty Key-in-Lever Locksets



ASSA ABLOY, the global leader
in door opening solutions

Applications

CL3800

Index

Applications	2
Features	3
Functions	4-6
Trim Designs	7
Options & Accessories	8-9
How to Order	10
Quick Codes	11-12
How to Specify	13

An economical, Grade 2 standard-duty lever lockset which provides an outstanding combination of value and performance. It's the ideal lever lockset for standard commercial applications. When used in conjunction with the CL3300 Series Extra Heavy-Duty Grade 1 and the CL3500 Series Heavy-Duty Grade 1 Cylindrical Lever Locksets, the overall cost of many projects may be reduced without compromising functionality and durability.



Typical applications include:

- Interior offices
- Closets
- Multi-family housing
- Restaurants
- Retail complexes

Advantages

- Lever Release™ for vandal resistance
- Solid cast levers
- ANSI Grade 2 certification
- UL 3-hour fire rating
- Independent lever return springs
- Through-bolts on door for solid attachment
- Covers ANSI/DHI door prep A115.18 - 1994 "Spider Cut Out"

Features

Handing

Non-handed.

Door Thickness Adjustment

Standard 1-3/8" to 1-3/4"; factory set for 1-3/4" doors. For 2" and 2-1/4" doors, specify door thickness. See Quick Codes, page 11-12.

Lock Chassis

Steel, zinc dichromated for corrosion resistance.

Backset

2-3/4" standard.
Optional: 2-3/8", 3-3/4" and 5".
See Quick Codes, page 11-12.

Latchbolt

1/2" throw latch with universal "floating" front to fit both flat and beveled doors.
2-1/4" x 1-1/8" square corner front for 2-3/4" backset standard. For other latch options, See Quick Codes, page 11-12.

Auxiliary Latchbolt

Deadlocking latchbolt prevents manipulation when door is closed.

Strike

ANSI curved lip strike standard, 4-7/8" x 1-1/4" x 1-1/4" lip to center.
Optional strikes, lip lengths and ANSI wrought strike box available; See Quick Codes, page 11-12.

Cylinder

Brass, 6-pin, L4 keyway, "O" bitted standard.

Keying Features Available

Conventional 6-pin
Conventional 7-pin
Master keying
Construction master keying
Visual key control
Concealed key control
Pyramid® Security
Pyramid High Security
Interchangeable core (IC) Security
Security IC
Pyramid Security IC
Pyramid High Security IC

Keys

Two nickel silver standard.

Warranty

Seven-year limited.

Certification/Compliance

ANSI

Meets A156.2 Series 4000, Grade 2.
Meets A117.1 Accessibility Code.

Federal

Meets FF-H-106C.

California State Reference Code

(Formerly Title 19, California State Fire Marshal Standard)

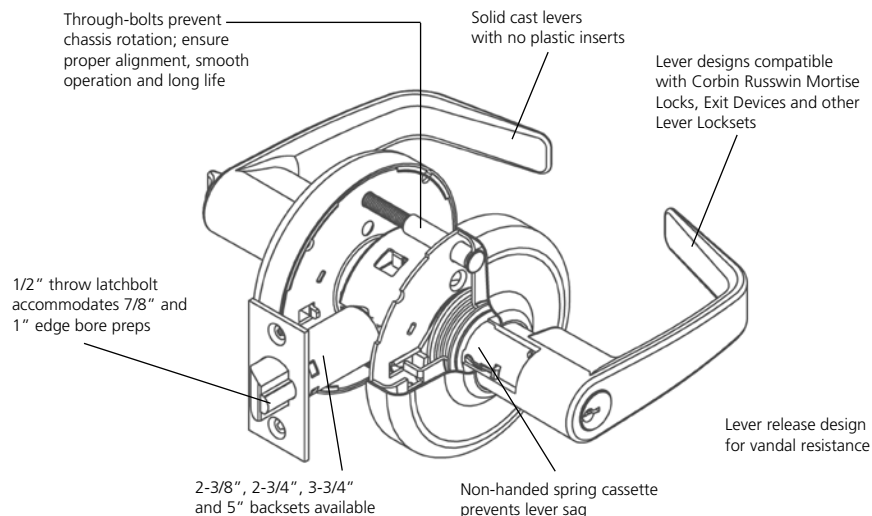
All levers with returns comply; levers return to within 1/2" of door face.

UL /ULc

All locks listed for "A" label single doors.

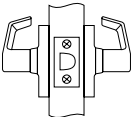
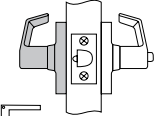
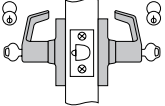
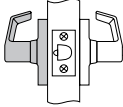
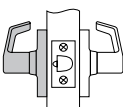
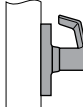
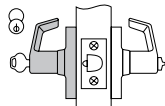
Letter "F" and UL symbol on latch front indicate listing.

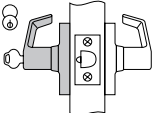
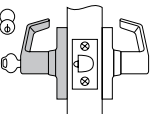
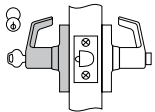
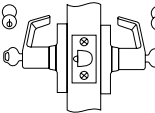
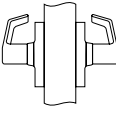
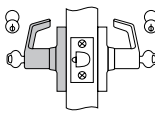
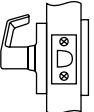
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Functions

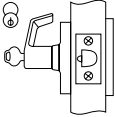
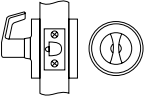
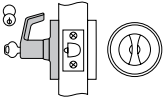
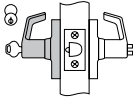
CL3800

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
		CL3810	Passage or Closet	F75	<ul style="list-style-type: none"> Latchbolt by lever either side Both levers always free.
		CL3820	Privacy Bedroom or Bathroom	F76	<ul style="list-style-type: none"> Throw-off latchbolt by lever either side, except when push button locks outside lever. (Lever handle is free-wheeling in locked position.) Outside lever locked by push button. (Lever handle is free-wheeling in locked position.) Outside lever unlocked by emergency release tool, by rotating inside lever or by closing door. Inside lever always free.
		CL3832	Institutional or Utility	F87	<ul style="list-style-type: none"> Deadlocking latchbolt by key either side. (Lever handle is free-wheeling in locked position.)
		CL3840	Patio or Privacy	F77	<ul style="list-style-type: none"> Throw-off latchbolt by lever either side except when push button locks outside lever. (Lever handle is free-wheeling in locked position.) Outside lever locked by push button. Outside lever unlocked by rotating inside lever or by closing door. Inside lever always free. Should not be used in rooms that have no other entrance.
		CL3840NT	Exit Latch	F89	<ul style="list-style-type: none"> Deadlocking latchbolt by lever inside. Outside lever always locked. (Lever handle is free-wheeling.) Inside lever always free. Should not be used in rooms with no other entrance.
		CL3850	Half Dummy Trim	—	<ul style="list-style-type: none"> Lever acts as pull only; no operation. Lever is rigid.
		CL3851	Entrance or Office	F109	<ul style="list-style-type: none"> Deadlocking latchbolt by lever either side except when turn button locks outside lever. (Lever handle is free-wheeling in locked position). Pushing turn button locks outside lever, requiring use of key outside to unlock. Turning inside lever unlocks outside lever. Pushing in and turning button locks outside lever, requiring key at all times. Turning inside lever does not unlock outside lever until button is manually turned to unlocked position. Turning inside lever unlocks outside lever. Inside lever always free.

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
		CL3855	Classroom	F84	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side except when key outside locks outside lever. (Lever handle is free-wheeling in locked position.) • Outside lever unlocked by key outside. • Inside lever always free.
		CL3857	Storeroom or Closet	F86	<ul style="list-style-type: none"> • Deadlocking latchbolt by key in outside lever or by rotating inside lever. • Outside lever always locked (lever handle is free-wheeling in locked position). • Inside lever always free.
		CL3861	Entry or Office	F82	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side, except when push button locks outside lever. • Push button released by turning inside lever or by key in outside lever. (Lever handle is free-wheeling in locked position.) • Closing door does not release push button. • Inside lever always free.
		CL3862	Communicating	F80	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side except when key in either lever locks or unlocks the lever independently of the other. (Lever handle is free-wheeling in locked position.) • Should be used only in office or rooms with multiple entries. • Keyed alike unless otherwise specified.
		CL3870	Full Dummy Trim	—	<ul style="list-style-type: none"> • Levers act as pulls only; no operation. • Levers are rigid.
		CL3872	Apartment, Exit or Public Toilet	F88	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever either side, except when key inside locks outside lever. (Lever handle is free-wheeling in locked position.) • Key outside retracts latchbolt. • Key inside unlocks outside lever. • Inside lever always free. • Keyed alike unless otherwise specified.
		CL3880	Passage Lever x Blank Plate	—	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever. • Lever on one side; blank plate on the other. • Lever always free. • For single or double communicating doors.

Functions

CL3800

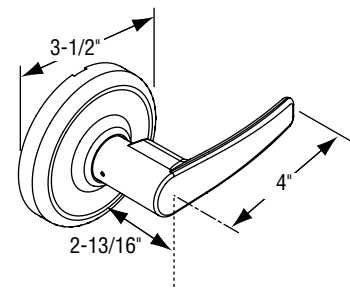
Outside	Inside	Series/Function	Type	ANSI No.	Function Description
		CL3881	Keyed Lever x Blank Plate	—	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever except when key locks lever (lever handle is free-wheeling in locked position). • Lever on one side; blank plate on other side. • Key unlocks lever.
		CL3890	Passage Lever x Turnpiece	—	<ul style="list-style-type: none"> • Latchbolt by lever or by turnpiece. • Lever on one side; turnpiece on other side. • Lever and turnpiece always free.
		CL3891	Keyed Lever x Turnpiece	—	<ul style="list-style-type: none"> • Deadlocking latchbolt by lever except when key locks lever. (Lever handle is free-wheeling in locked position.) • When lever is locked, latchbolt is operated by turnpiece. (Lever handle is free-wheeling in locked position.) • Lever on outside; turnpiece on inside. • Turnpiece always free. • Key unlocks lever.
		CL3893	Service Station	F92	<ul style="list-style-type: none"> • Throw-off latchbolt by lever, closing door, or by turning inside lever. • Outside lever locked by slotted push button. (Lever handle is free-wheeling in locked position.) • When slotted push button is pushed in and turned, outside lever becomes free-wheeling and deadlocking latch is activated. Key outside retracts latch. • Turning inside lever does not unlock outside lever until button is manually turned to unlocked position. • Inside lever always free.

Armstrong



AZD

Lever: Die-cast zinc
Rose: Wrought brass or bronze



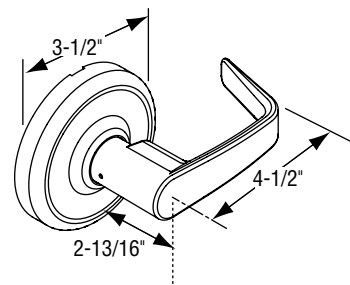
Newport

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



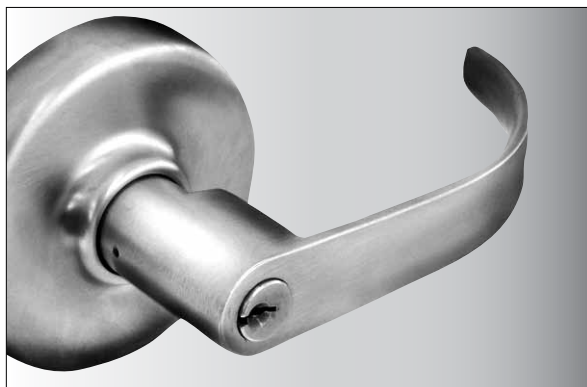
NZD

Lever: Die-cast zinc
Rose: Wrought brass or bronze



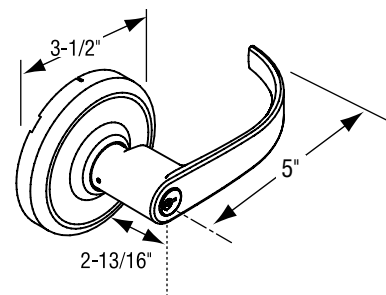
Princeton

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



PZD

Lever: Die-cast zinc
Rose: Wrought brass or bronze



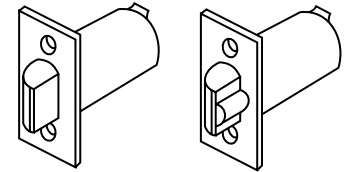
Options & Accessories

CL3800

Latches

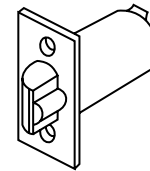
To order optional latchbolt with lockset, see How to Order, page 10.
To order latchbolt separately, specify Part No. x Finish (e.g., 599F91 x 626).

Backset and Front Description		Plain	Deadlocking	Throw-Off
2-3/8" Backset	1" width, square corner	599F91	599F92	599F93
	1" width, rounded corner	599F94	599F95	599F96
	1-1/8" width, square corner	599F97	599F98	599F99
	1-1/8" width, rounded corner	600F00	600F01	600F02
2-3/4" Backset	1" width, square corner	600F03	600F04	600F05
	1" width, rounded corner	600F06	600F07	600F08
	1-1/8" width, square corner	600F09	600F10	600F11
	1-1/8" width, rounded corner	600F12	600F13	600F14
3-3/4" Backset	1-1/8" width, square corner	600F62	600F63	600F64
	1-1/8" width, rounded corner	600F65	600F66	600F67
5" Backset	1-1/8" width, square corner	600F68	600F69	600F70
	1-1/8" width, rounded corner	600F71	600F72	600F73



Plain
(CL3810)

Deadlocking
(All other functions)

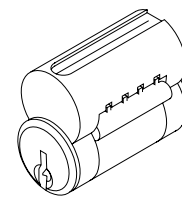
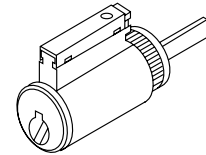


Throw-Off
(CL3820, CL3893 &
CL3840)

Housing diameter 7/8" for all models. 1" diameter latch sleeve furnished with each latchbolt.

Cylinders

		Standard Cylinder	Interchangeable Core
		.509" plug diameter conventional .552" plug diameter security .496" plug diameter Pyramid Brass, 6-pin 2 nickel silver keys Finishes: 606, 626	.509" plug diameter conventional .552" plug diameter security .496" plug diameter Pyramid Brass, 6-pin 2 nickel silver keys Finishes: 605, 606, 611, 612, 613, 625, 626, 722
Conventional	6-pin	2000-033 (standard)	8000
	7-pin	2000-033-7	8000-7
Security	6-pin	2010-033	8010
Pyramid High Security	7-pin	2020-033	8020
Pyramid Security	7-pin	2027-033	8027
Schlage® C Keyway	6-pin	2400-033-C	—
Sargent® LA Keyway	6-pin	2400-033-LA	—



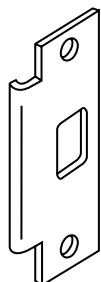
To order optional cylinder with lockset, see How to Order, page 10.
To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 8000 x L4 x 626).

Compatibility with Competitive Cylinders

Competitive Cylinder	Parts Required for Installation
Schlage conventional 21-002, 23-001 or 23-013	682F398 tailpiece included with M06 option.
Schlage Primus 20-548, 20-550, 20-748 or 20-750	682F398 tailpiece included with M06 option.
Schlage 6-pin Interchangeable Core	Specify M69 - 697F942 Tailpiece included with M69 option.
Best® style core, 6 or 7-pin	682F95-8 tailpiece kit and special lever (NZD and PZD designs only) included with M08 option. Accommodates 6 and 7-pin cores.
Sargent 13-3266	599F38-9 Tailpiece kit and special lever. Included with M09 options. See How to Order, page 10.

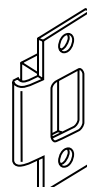
For Assa® and Medeco® retrofit cylinders, consult those manufacturers' catalogs.

Strikes



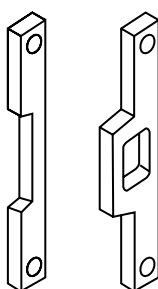
ANSI Curved Lip (standard)

Brass or stainless steel.
4-7/8" x 1-1/4" x 1-1/4" lip to center.
Optional lip lengths: 1", 1-1/8",
1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2",
2-3/4", 3".
To order with lockset, specify quick code
found on pages 11-12.
To order separately, specify 217L13 x Lip
Length x Finish.



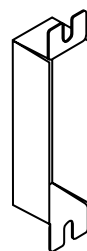
Curved Lip Box

Brass.
2-3/4" x 1-1/8" x 1-1/4" lip to center.
Optional lip lengths: 1", 1-1/8",
1-3/8", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2",
2-3/4", 3".
To order with lockset, specify quick code
found on pages 11-12.
To order separately, specify 586L19 x Lip
Length x Finish.



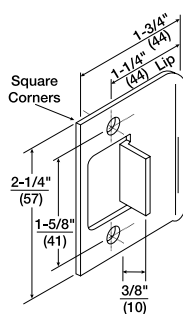
Rabbeted Front and Strike

Brass or bronze.
4" x 5/8" for 1/2" rabbet.
No optional lip lengths.
To order with lockset, specify quick code
found on pages 11-12.
To order separately, specify 601F28 x Finish.



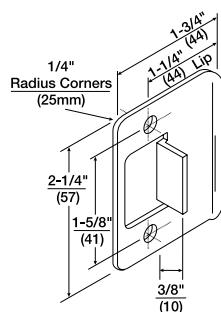
ANSI Wrought Strike Box

To order with lockset, specify quick code
found on page 12. To order separately,
specify 120F768.



Full Lip Strike

Brass or stainless steel.
2-1/4" x 1-3/4" x 1-1/4" lip to center.
No optional lip lengths.
To order separately specify 680L50M020 x
Finish.
Anti-rattle tab.



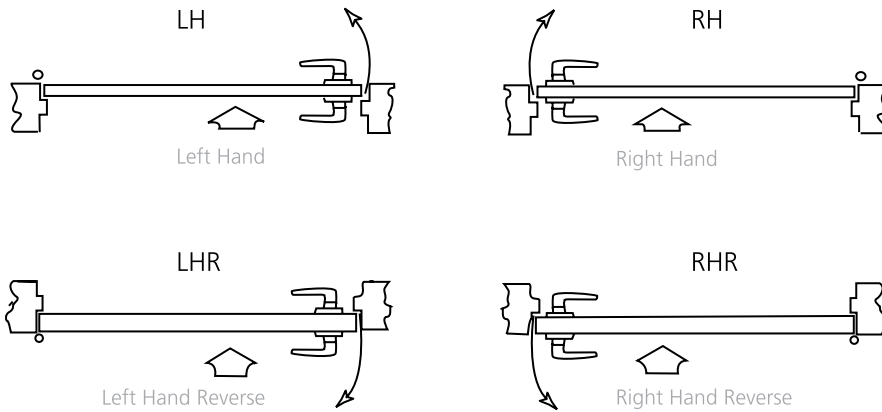
Full Lip Strike – 1/4" Radius Corners

Brass or stainless steel.
Similar in dimension and function to L50
strike (above) but with radius corners for
easy mortising by power tools. To order
separately specify 680L51M020 x Finish.
Anti-rattle tab.

How to Order

CL3800

Ordering Examples



Where to find ordering information and quick codes

Series/Function	Pages 4-6
Trim Designs	Page 7
Finish	Page 11
Door Thickness	Page 11
Backset	Page 11
Strike	Page 11
Cylinders and Keying	Page 11
Miscellaneous Options	Page 12

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	CL3855	NZD	626	RHR

Split Trim / Finish Order

Quantity	Series/Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	CL3855	NZD	AZD	626	625	RH

Contract / Detailed Order

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Door Thickness	Backset	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	CL3855	NZD	626	RHR	D214	B238	SC114	M17	PHS	CKC2

Cylinder 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
IC 6-pin with Temporary Construction Core (Blue)	CT6B
IC 6-pin with Temporary Construction Core (Green)	CT6G
IC 6-pin with temporary construction core	CT6
IC 6-pin less core	CL6
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
IC 7-pin	C7
IC 7-pin less core	CL7
IC 7-pin with Temporary Construction Core (Red)	CT7R
IC 7-pin with Temporary Construction Core (Blue)	CT7B
IC 7-pin with Temporary Construction Core (Green)	CT7G
Security	HS
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid IC Less Core	CLP
Pyramid with temporary construction core	CTP
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Pyramid Disposable Core	CTPD
6-Pin Disposable Core	CT6D
7-Pin Disposable Core	CT7D
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
No bitting or keyset stamping on keys	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, PCHS)	CKC3
More than 2 keys	KY# (e.g., KY6)
Schlage® C keyway cylinder	C
Sargent® LA keyway cylinder	LA

Finishes

Description	Specify
BHMA 605 (US3)	Bright Brass 605
BHMA 606 (US4)	Satin Brass 606
BHMA 611 (US9)	Bright Bronze 611
BHMA 612 (US10)	Satin Bronze 612
BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed 613
613L	Dark Oxidized Satin Bronze, Clear Coated 613L
BHMA 618 (US14)	Bright Nickel Plated 618
BHMA 619 (US15)	Satin Nickel Plated 619
BHMA 625 (US26)	Bright Chromium Plated 625
BHMA 626 (US26D)	Satin Chromium Plated 626
626C	Satin Chromium Plated with MicroShield® 626C
BHMA 722	Black Oxidized Bronze, oil rubbed 722

Strikes

ANSI Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify	Full Lip Specify	Full Lip Radius Corner Specify
1" (25mm)	SA100	SC100	N/A	N/A
1-1/8" (29mm)	SA118	SC118	SF118	N/A
1-1/4" (32mm)	(standard)	SC114	N/A	SFR114
1-3/8" (35mm)	SA138	SC138	N/A	N/A
1-1/2" (38mm)	SA112	SC112	N/A	N/A
1-3/4" (44mm)	SA134	SC134	N/A	N/A
2" (51mm)	SA200	SC200	N/A	N/A
2-1/4" (57mm)	SA214	SC214	N/A	N/A
2-1/2" (64mm)	SA212	SC212	N/A	N/A
2-3/4" (70mm)	SA234	SC234	N/A	N/A
3" (76mm)	SA300	SC300	N/A	N/A
Rabbeted front and strike			Specify SR118	

Door Thickness

Door Thickness	Specify
1-3/8" (35mm) - 1-3/4" (44mm)	(standard)
2" (51mm) - 2-1/4" (57mm)	D214

Backset

Description	Specify
2-3/8" (60mm)	B238
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Quick Codes

CL3800

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
Hex head screws	M05
Less cylinder, with tailpiece for Schlage® cylinder	M06
Lever to accept Best® type 6 or 7-pin interchangeable core (NZD & PZD design only)	M08
Lever to accept Sargent® cylinder (NZD & PZD designs only)	M09
Lever to accept Schlage® Interchangeable core (NZD & PZD design only)	M69
Rounded corners on latch front	M13
1" latch front, square corners (standard for 2-3/8" backset)	M14
1" latch front, rounded corners	M15
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
1-1/8" front, square corners (standard for 2-3/4", 3-3/4" and 5" backsets)	M32

Suggested Specification

Lockset chassis shall be constructed of heavy gauge steel and cast components, plated to protect against rust and corrosion. Locksets shall be adjustable for 1-3/8" (35mm) and 1-3/4" (44mm) or 2" (51mm) and 2-1/4" (57mm) door thickness.

Locksets shall be non-handed, and shall install easily without the need for specialized installation tools. Locksets shall have separate anti-rotation through-bolts in the 6 o'clock and 12 o'clock position outside the 2-1/8" face bore, and shall have no exposed mounting screws.

Locksets shall have solid one-piece, cast levers without plastic inserts, and shall be a minimum of 4" (102mm) in length. Levers shall operate independently, and shall have inside and outside lever return springs. Outside levers on the keyed locksets shall be removable only when the designated key is in the cylinder.

Vandal-resistant levers shall be offered as a standard feature in all locking functions and shall be free-wheeling in the locked condition. Locksets that are rigid in the locked condition, or must require resetting (breakaway) are not acceptable.

All locksets shall carry a seven-year mechanical warranty.

All locksets shall comply with the following certifications:

- UL 3-Hour Fire Rating
- ANSI A156.2 Series 4000, Grade 2
- ANSI A117.1 Accessibility Code
- ANSI A115.1B Preparation

All locksets shall be CL3800 Series Grade 2 Key-in-Lever Cylindrical Locksets as manufactured by Corbin Russwin, Inc.

Notes

CL3800



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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

Corbin
Russwin

ASSA ABLOY

CK4200 Series

Heavy-Duty Cylindrical Knob Locksets



ASSA ABLOY, the global leader
in door opening solutions

Applications

CK4200



Table of Contents

Applications.....	2
Features.....	3
Functions.....	5
Trim Designs.....	7
Options and Accessories.....	9
How to Order.....	11
Quick Codes.....	12
Helpful Terms.....	13
How to Specify.....	14

Applications

The highest quality materials and precision manufacturing ensure strength, durability and quiet operation. Ideal for demanding, high-use commercial, industrial and institutional applications, including:

- Schools
- Hotels
- Apartments
- Hospitals and nursing homes
- Churches
- Municipal buildings
- Airports
- Retail complexes
- Offices
- Warehouses

Advantages

- "Lock-on" rose liners and thimble increase security and prevent lock from loosening
- 1-3/4" (44mm) knob shank minimizes wear
- 5/8" (16mm) latch and concealed knob catch enhance strength and security



Features

Handing

Field reversible.

Door Thickness

1-3/4" (44mm) – 2" (51mm) standard.
Optional door thickness available; see Quick Codes, page 12.

Backset

2-3/4" (70mm) standard.
Optional: 3-3/4" (95mm), 5" (127mm) and 7" (178mm); see Quick Codes, page 12.

Lock Chassis

Steel, zinc dichromated for corrosion resistance.
Optional: stainless steel chassis; see Quick Codes, page 12.

Front

Wrought brass, bronze or stainless steel,
2-1/4" (57mm) x 1-1/8" (29mm).
Accommodates doors beveled
1/8" (3mm) to 2" (51mm).
Optional: flat front; see Quick Codes,
page 12.

Latchbolt

Brass, chrome plated, 5/8" (16mm).

Auxiliary Latchbolt

Deadlocking latchbolt prevents
manipulation when door is closed.

Strike

Wrought brass, bronze or stainless steel,
ANSI curved lip standard, 4-7/8" (124mm)
x 1-1/4" (32mm) x 1-1/4" (32mm) lip to
center. Optional strikes, lip lengths and
ANSI wrought strike box available; see
Quick Codes, page 12.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
Conventional 6-pin
Interchangeable core (IC)
Security
Security IC
Pyramid Security
Pyramid Security IC
Pyramid High Security
Pyramid High Security IC
Disposable Temporary Core
Master Ring

Keys

Two nickel silver standard.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.2 Series 4000, Grade 1.

Federal

Meets FF-H-106C.

C-UL US

All locks listed for A Label and lesser class
single doors, 4' x 8'.
Letter F and UL symbol on latch front
indicate listing.

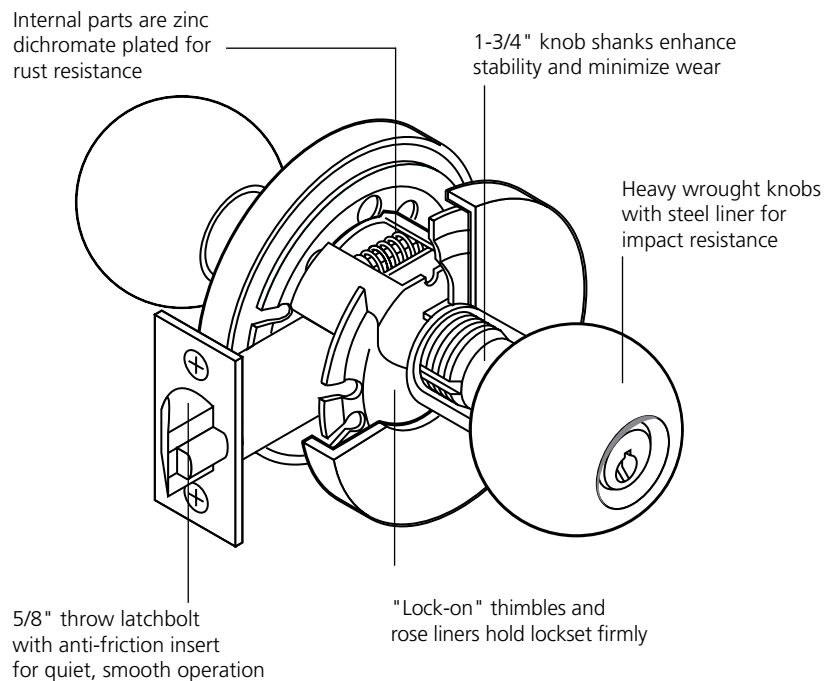
Any retrofit or other field modification to
a fire-rated opening can potentially impact
the fire rating of the opening, and Corbin
Russwin, Inc. makes no representations or
warranties concerning what such impact
may be in any specific situation. When
retrofitting any portion of an existing fire-
rated 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.

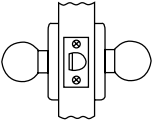
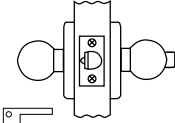
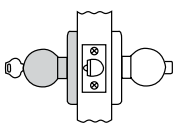
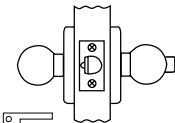
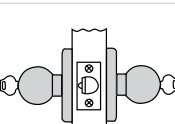
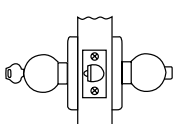
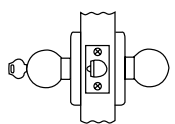
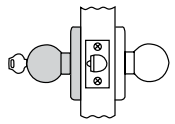
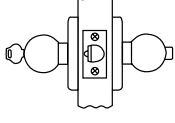
Features

CK4200


Finishes


BHMA 605	Bright Brass	
BHMA 606	Satin Brass	
BHMA 611	Bright Bronze	
BHMA 612	Satin Bronze	
BHMA 613	Dark Oxidized Satin Bronze, oil rubbed	
BHMA 618	Bright Nickel Plated	
BHMA 619	Satin Nickel Plated	
BHMA 625	Bright Chromium Plated	
BHMA 626	Satin Chromium Plated	
626C	Satin Chromium Plated with MicroShield®	
BHMA 629	Bright Stainless Steel	
BHMA 630	Satin Stainless Steel	
630C	Satin Stainless Steel with MicroShield®	
BHMA 722	Black Oxidized Bronze, oil rubbed	



Outside	Inside	Series/Function	Type	ANSI No.	Function Description
		CK4210	Passage or Closet	F75	<ul style="list-style-type: none"> Latchbolt by knob either side. Both knobs always free.
		CK4220	Privacy, Bedroom or Bathroom	F76	<ul style="list-style-type: none"> Latchbolt by knob either side. Outside knob locked by push button. Outside knob unlocked by emergency release tool outside, by rotating inside knob or by closing door. Inside knob always free.
		CK4229	Hotel or Motel	F93	<ul style="list-style-type: none"> Deadlocking latchbolt by knob inside or by key outside. Push button shuts out all keys except emergency key, and projects occupancy indicator in face of cylinder. Push button released by turning inside knob or by closing door.* Outside knob always rigid. Inside knob always free.
		CK4230	Privacy, Bedroom or Bathroom	F76	<ul style="list-style-type: none"> Latchbolt by knob either side. Outside knob locked by push button. Outside knob unlocked by turning slotted button outside, by rotating inside knob, or by closing door. Inside knob always free.
		CK4232	Institution or Utility	F87	<ul style="list-style-type: none"> Deadlocking latchbolt by key either side. Both knobs always rigid
		CK4251	Entrance or Office	F81	<ul style="list-style-type: none"> Deadlocking latchbolt by knob either side, except when turn button locks outside knob. Key outside retracts latchbolt. Outside knob unlocked by turn button. Inside knob always free
		CK4255	Classroom	F84	<ul style="list-style-type: none"> Deadlocking latchbolt by knob either side, except when key outside locks outside knob. Outside knob unlocked by key outside. Inside knob always free.
		CK4257	Storeroom or Closet	F86	<ul style="list-style-type: none"> Deadlocking latchbolt by key in outside knob or by rotating inside knob. Outside knob always rigid. Inside knob always free.
		CK4261	Entrance or Office	F82	<ul style="list-style-type: none"> Deadlocking latchbolt by knob either side, except when push button locks outside knob. Push button released by turning inside knob or by key in outside knob. Closing door does not release push button. Inside knob always free.







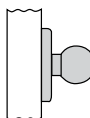
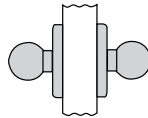
*Unless push button has been fixed in locked position by spanner key (furnished). When push button is fixed by spanner key, lock is operable only by emergency key or by display key.


 Indicates optional interchangeable core available; see Quick Codes, page 12.


 Indicates rigid knob.

Functions

CK4200

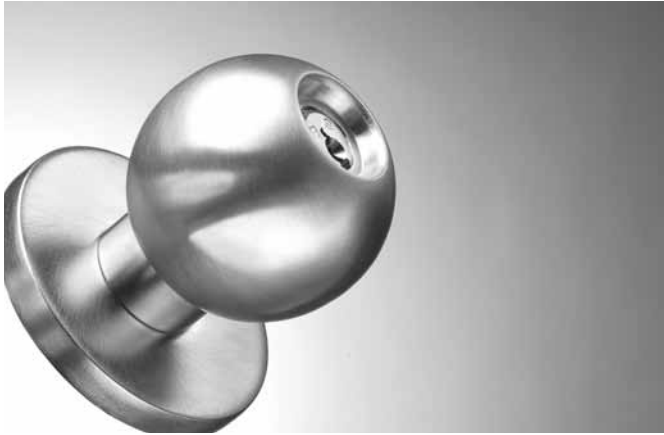
Outside	Inside	Series/Function	Type	ANSI No. Series 4000	Function Description
		CK4272	Apartment Exit or Public Toilet	F88	<ul style="list-style-type: none"> • Deadbolting latchbolt by knob either side, except when key inside locks outside knob. • Key outside retracts latchbolt. • Inside key unlocks outside knob. • Inside knob always free. • Keyed alike unless otherwise specified.
		CK4275	Dormitory	—	<ul style="list-style-type: none"> • Deadlocking latchbolt by knob either side, except when push button or key locks outside knob. • Push button released by turning inside knob, by closing door, by 1/4 counterclockwise turn of key in outside knob, or by key in outside knob. If push button is held in locked position, key in outside knob will retract latchbolt. • Inside knob always free.
		CK4282	Store Door	F91	<ul style="list-style-type: none"> • Deadlocking latchbolt by knob either side, except when key either side locks both knobs. • Keyed alike unless otherwise specified.
		CK4250	Half Dummy Trim	—	<ul style="list-style-type: none"> • Knob acts as pull only; no operation. • Knob is rigid.
		CK4270	Full Dummy Trim	—	<ul style="list-style-type: none"> • Knobs act as pulls only; no operation. • Knobs are rigid.

 Indicates rigid knob.

 Indicates optional interchangeable core available; see Quick Codes, page 12.

Trim Designs

CK4200



Global

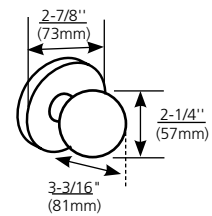
Brass, bronze or stainless steel



GRC

Knob: Wrought reinforced

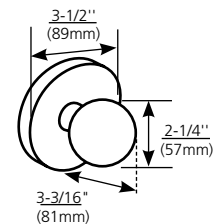
Rose: Wrought reinforced



GRD

Knob: Wrought reinforced

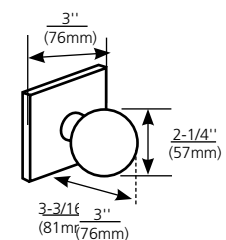
Rose: Wrought reinforced



GRE

Knob: Wrought reinforced

Rose: Wrought reinforced



Trim Designs

CK4200



Belmont

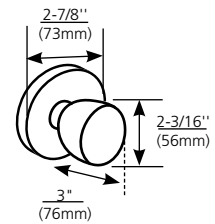
Brass, bronze or stainless steel



BRC

Knob: Wrought reinforced

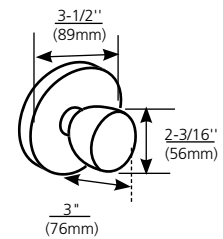
Rose: Wrought reinforced



BRD

Knob: Wrought reinforced

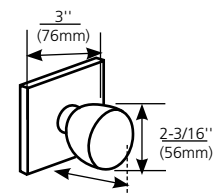
Rose: Wrought reinforced



BRE

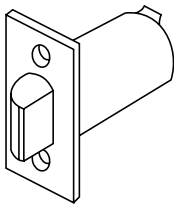
Knob: Wrought reinforced

Rose: Wrought reinforced

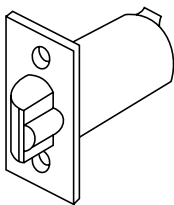


Latches

To order optional latchbolt with lockset, see Quick Codes, page 12.
To order latchbolt separately, specify Part No. x Finish (e.g., 486F83 x 626).



Plain

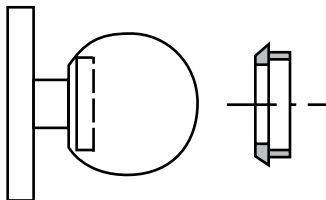


Deadlocking

Description	Plain	Deadbolting
2-3/4" (70mm) Backset Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm) beveled Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm) flat	486F83 486F84	486F89 486F90
3-3/4" (95mm) Backset Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm) beveled Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm) flat	469F27 469F28	469F29 469F30
5" (127mm) Backset Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm) beveled Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm) flat	469F31 469F32	469F33 469F34
7" (178mm) Backset Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm) beveled Square corner front, 2-1/4" (57mm) x 1-1/8" (29mm) flat	469F35 469F36	469F37 469F38

Delrin Insert

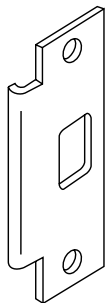
Global and Belmont designs available with black Delrin insert at base of knob.
To order with lockset, see Quick Codes, page 12.
To order separately, specify Part No. 493F999



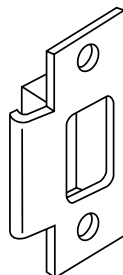
Options and Accessories

CK4200

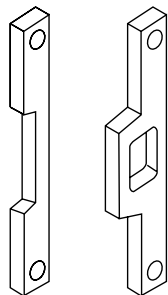
Strikes



ANSI Curved Lip (standard)
Brass, bronze, or stainless steel
4-7/8" (124mm) x 1-1/4" (32mm) x
1-1/4" (32mm) lip to center
Optional lip lengths: 1" (25mm),
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)
To order optional strike with lockset, see
Quick Codes, page 12.
To order separately, specify 217L13 x
Lip Length x Finish.



Curved Lip "T" Strike
Brass, bronze, or stainless steel
2-3/4" (70mm) x 1-1/8" (29mm) x
1-1/4" (32mm) lip to center
Optional lip lengths: 1" (25mm),
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)
To order optional strike with lockset,
see Quick Codes, page 12.
To order separately, specify 586L19 x
Lip Length x Finish.

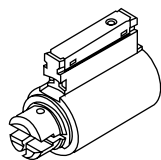


Rabbeted Front and Strike
Brass or bronze
4" (102mm) x 5/8" (16mm) for
1/2" (13mm) rabbet.
No optional lip lengths.
To order with lockset, see Quick Codes,
page 12.
To order separately, specify 601F28 x Finish.

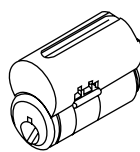


ANSI Wrought Strike Box
To order with lockset, see
Quick Codes, page 12.
To order separately, specify
120F76-8.

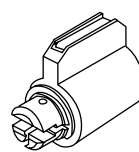
Cylinders



Standard Cylinder
.552" plug diameter
.496" Pyramid plug diameter
Brass, 6 pin,
2 nickel silver keys
Finishes: 606, 626



Interchangeable Core
.509" plug diameter conventional
.552" plug diameter security
.496" Pyramid plug diameter
Brass, 6 pin,
2 nickel silver keys
Finishes: 605, 606, 611,
612, 613, 625, 626, 722



Master Ring Cylinder
.552" plug diameter
Brass, 6 pin,
2 nickel silver keys
Finishes: 606, 626

Conventional	2000-052 (standard)	8000	2060-052
Security	2010-052	8010	N/A
Hotel Conventional	2001-052	8001-042	2061-052
Hotel Security	2011-052	8011-042	N/A
Pyramid High Security	2020-052	8020	N/A
Pyramid Security	2027-052	8027	N/A

To order optional cylinder with lockset, see Quick Codes, page 12.

To order cylinder separately, specify Part No. x Keyway x Finish (e.g., 2000-052 x L4 x 626).

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	CK4255	GRC	626	RHR

Split Trim/Finish Order

Quantity	Series/ Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	CK4255	GRC	BRC	626	625	RHR

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Door Thickness	Backset	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	CK4255	GRC	626	RHR	D214	B334	SC112	M02-M24	PS	VKC1

Where to find ordering information and quick codes

Series/Function	Pages 5-6
Trim Designs	Pages 7-8
Finish	Page 12
Handing	Page 12
Door Thickness	Page 12
Backset	Page 12
Strike	Page 12
Miscellaneous Option	Page 12
Cylinder and Keying	Page 12

Quick Codes

CK4200

Finish

	Description	Specify
US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US14	Bright Nickel Plated	618
US15	Satin Nickel Plated	619
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
	Satin Chromium Plated with MicroShield®	626C
US32	Bright Stainless Steel	629
US32D	Satin Stainless Steel	630
	Satin Stainless Steel with MicroShield®	630C
	Black Oxidized Bronze, oil rubbed	722

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with temporary construction core (Red)	CT6R
IC 6-pin with temporary construction core (Blue)	CT6B
IC 6-pin with temporary construction core (Green)	CT6G
IC 6-pin with temporary construction core	CT6
IC 6-pin less core	CL6
Security ¹	HS
Security IC ¹	CHS
6-pin disposable temporary core	CT6D
Pyramid Security ¹	PS
Pyramid Security IC ¹	PCS
Pyramid High Security ¹	PHS
Pyramid High Security IC ¹	PCHS
Pyramid with temporary construction core	CTP
Pyramid Less Core	CLP
Pyramid disposable temporary construction core	CTPD
Master ring	MR
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
- No stamping	VKCO
- Keys only	VKC1
- Cylinders and keys (not for HS or CHS)	VKC2
- Cylinders only (not for HS or CHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

NOTE: 1. Not available in CK4229 function.

Strikes

Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	(standard)	SC114
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (63mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300

Rabbeted front strike Specify SR118

Handing

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

Backset

Description	Specify
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500
7" (178mm)	B700

Miscellaneous Options

Description	Specify
Delrin insert	M01
Spanner head screws	M02
Torx® head screws	M04
Knob to accept Best-type core	M10
Flat front	M12
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	M24
Abrasive coat outside	M25
Stainless steel chassis	M26
Lead lined rose (inside only)	M28
Panel application	PNL*

* Must specify door thickness before panel is applied, panel thickness and side of the door panel is applied to (inside or outside).

Door Thickness

Door Thickness	Specify
1-3/4" (44mm) - 2" (51mm)	(standard)
2-1/8" (54mm)	D218
2-1/4" (57mm)	D214
2-3/8" (60mm)	D238
2-1/2" (63mm)	D212
2-5/8" (67mm) - 5" (127mm)*	D258 to D500 in 1/8" increments

* Available only for 10, 20, 51, 55, 57, 61 functions.

Abrasive Coat

Hard granular material applied to a knob or lever to provide a non-slip tactile surface for the visually impaired.

Auxiliary Latchbolt

A supplementary latch which, when the door is closed, automatically deadlocks the latchbolt. Protects the latchbolt from forced retraction or "credit carding."

Backset

The distance from the front of the lock to the centerline of the cylinder or knob/lever hub.

Bevel

The angle of the edge of a door in relation to the inside and outside surfaces of the stile. The most common bevel for commercial doors is 1/8" (3mm) in 2" (51mm).

Box Strike

A strike equipped with an enclosure behind the hole(s) for the latchbolt and/or deadbolt. Protects the strike area from mortar and cement.

Chassis

The housing of a lockset, containing most of the working parts.

Curved Lip Strike

A strike with the lip curved to conform to the detail of the door frame.

Dummy Trim

Trim only, without the lock or latching mechanism, usually used on the inactive door of a pair of doors for design balance.

Front

The part of a lock visible on the edge of a door.

Hand

The direction a door swings.

Knurling

A permanently applied tactile warning engraved in the metal of a knob or lever to warn the visually impaired of dangerous conditions on the other side of the door.

Latchbolt

A lock component having a beveled end that projects from the lock front but may be forced back into the chassis by end pressure or drawn back by action of the retractor. When the door is closed, the latchbolt projects into a hole provided in the strike, holding the door in the closed position.

Lead Lined

Pertains to a lockset whose trim has a lining of lead to prevent the passage of radiation. Generally used in hospital applications.

Lip of Strike

The projection part of a strike which first engages the latch; may be curved or straight.

Non-ferrous

Pertaining to parts which do not contain iron. Ideal for use in corrosive environments.

Rabbet

The portion of a door frame into which the door fits. Also, the abutting edges of a pair of doors, so shaped as to provide an overlap. One half of the edge projects beyond the other half, usually 1/2".

Strike

A metal plate that is pierced or recessed to receive the deadbolt or latchbolt of a lock (sometimes called a keeper).

Throw

The distance that a lock's deadbolt or latchbolt projects when in the locked position. The effective throw is the distance that a latchbolt projects when deadlocked.

Wrought Strike Box

A metal box mounted behind the strike to protect the strike opening from mortar or cement.

Keying and Cylinder Terms

Concealed Key Control (CKC)

The marking of standard key symbols on a cylinder in a location which is not visible once the cylinder is installed.

Construction Core

An interchangeable core for temporary use during construction. It is replaced by the permanent core when construction personnel no longer needs access.

Construction Master Keying (CMK)

A cylinder preparation that allows temporary access by construction personnel.

Control Key

A key used to remove and install interchangeable cores.

Cylinder

A lock component containing the combination that determines which keys will operate.

High Security Cylinder

A cylinder which provides extra resistance to picking and unauthorized duplication of keys.

Interchangeable Core (IC)

A cylinder which can be removed and installed quickly with a control key by non-skilled personnel when rekeying is required.

Key Section

The cross-section of a key blade, as viewed from bow to tip.

Key Symbol

A letter/number combination in standard industry format (e.g. 1AA, AA1, etc.) which indicates exactly how a key or cylinder fits into a keying system.

Keyway

The opening in a cylinder plug through which the key enters.

Master Keying

Preparation of a cylinder to operate with keys of different levels of access.

Master Ring Cylinder

A cylinder which offers a wider range of keying.

Visual Key Control (VKC)

The marking of standard key symbols on keys and on the visible portion of the front of a cylinder.

How to Specify

CK4200

Suggested Specifications

All locksets shall be CK4200 Series Heavy-Duty Cylindrical Knob Locksets as manufactured by Corbin Russwin Architectural Hardware, Berlin, Connecticut.

Locksets shall have a steel chassis, zinc dichromate plated for rust resistance, which fits a 2-1/8" (54mm) door preparation. Latchbolts shall have a 5/8" (16mm) throw and an effective deadlocking throw of 7/16" (11mm). Each latchbolt shall be furnished with a nylon insert for durability and quiet operation.

The standard backset shall be 2-3/4" (70mm), with longer backsets available.

Knobs shall have a minimum thickness of .080" (2mm), and roses a minimum thickness of .035" (0.9mm) with a .065" (1.6mm) liner. Outside knobs shall be removable for rekeying without removing the lockset from the door.

Lock-on thimbles and rose liners shall lock the chassis into the door cutout, preventing lock movement and loosening.

Cylinders shall be 6-pin, constructed of brass, with conventional, high security, interchangeable core and master ring available.

All locksets shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4'x 8'.

Locksets to be used on specified exterior doors or doors subject to special atmospheric conditions (pool areas, chemical laboratories, sewage disposal plants, etc.) shall be constructed of stainless steel.

Certification:

Federal Specification FF-H-106C

ANSI A156.2 Series 4000, Grade 1

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

All locksets shall carry a one-year limited warranty.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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

**Corbin
Russwin** 

ASSA ABLOY

CK4400 Series

Standard Duty Cylindrical Knob Locksets



ASSA ABLOY, the global leader
in door opening solutions

Applications

CK4400



Applications

An outstanding combination of value and performance. Ideal for quality residential and light commercial buildings, such as:

- Fine homes
- Apartments
- Motels
- Offices

Advantages

- Wide array of functions
- Precision manufactured mechanisms, zinc dichromated for corrosion resistance
- Stainless steel latchbolt for long life
- Adjustable latchbolts accommodates flat and beveled doors
- Stainless steel trim available

Table of Contents

Applications.....	2
Features.....	3
Functions.....	4
Trim Designs.....	5
Options and Accessories	6
How to Order	8
Helpful Terms	10
How to Specify	11



Features

Handing

Field reversible.

Door Thickness

1-3/8" (35mm) - 1-3/4" (44mm) standard.

Backset

2-3/4" (70mm) standard.
Optional: 2-3/8" (60mm), 3-3/4" (95mm) and 5" (127mm); see How to Order, page 9.

Lock Chassis

Steel, zinc dichromated for corrosion resistance.

Front

Wrought brass, bronze, or stainless steel, 2-1/4" (57mm) x 1-1/8" (29mm) standard. Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm). Optional fronts available; see How to Order, page 9.

Latchbolt

Brass or stainless steel, 1/2" (13mm) throw.

Auxiliary Latchbolt

Deadlocking latchbolt prevents manipulation when door is closed.

Strike

Wrought brass, bronze, or stainless steel ANSI curved lip standard, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center. Optional strikes, lip lengths and ANSI wrought strike box available; see How to Order, page 9.

Cylinder

Brass, 6-pin L4 keyway, 0-bitted standard.

Keying Features Available

Master keying
Construction master keying

Keys

Two nickel silver standard.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.2 Series 4000, Grade 2.

Federal

Meets FF-H-106C.

UL/ULC

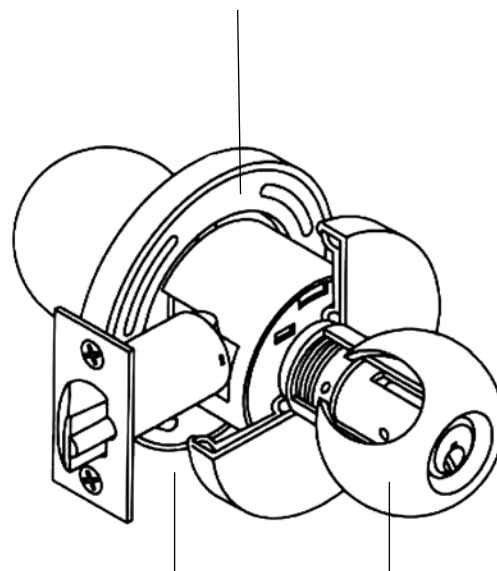
All locks with listed for A label and lesser class single doors, 4' x 8'. Letter F and UL symbol on latch front indicate listing.

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.

Finishes

BHMA 605 (US3)	Bright Brass
BHMA 612 (US10)	Satin Bronze
BHMA 613 (US10B)	Oxidized Bronze, oil rubbed
BHMA 629 (US32)	Bright Stainless Steel
BHMA 630 (US32D)	Satin Stainless Steel

Inside rose liner through-bolted to lock chassis to ensure proper alignment and smooth operation

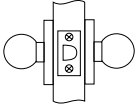
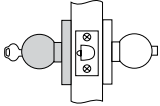
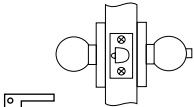
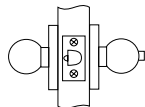
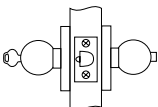
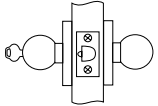
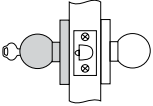
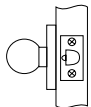
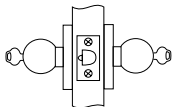
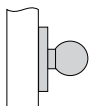


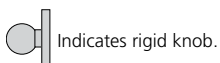
2-3/8" (60mm), 2-3/4" (70mm), 3-3/4" (95mm) and 5" (127mm) backsets available

Knob designs compatible with Corbin Russwin Pre-Assembled Unit Locks, Mortise Locksets, Exit Devices and other Cylindrical Locks

Functions

CK4400

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
		CK4410	Passage or Closet	F75	<ul style="list-style-type: none"> Latchbolt by knob either side. Both knobs always free.
		CK4429	Hotel or Motel	F93	<ul style="list-style-type: none"> Deadlocking latchbolt by knob inside or by key outside. Push button shuts out all keys except emergency key, and projects occupancy indicator in face of cylinder. Push button released by turning inside knob or by closing door.* Outside knob always rigid. Inside knob always free.
		CK4430	Privacy, Bedroom or Bathroom	F76	<ul style="list-style-type: none"> Deadlocking latchbolt by knob either side. Outside knob locked by push button. Outside knob unlocked by turning slotted button outside, by rotating inside knob, or by closing door. Inside knob always free.
		CK4440	Patio or Privacy	F77	<ul style="list-style-type: none"> Deadlocking latchbolt by knob either side, except when push button locks outside knob. Push button released by turning inside knob or by closing door. Inside knob always free.
		CK4451	Entrance or Office	F81/82	<ul style="list-style-type: none"> Deadlocking latchbolt by knob either side, except when turn button locks outside knob. Pushing turn button in locks outside knob, requiring use of key outside to unlock. Turning inside knob unlocks outside knob. Pushing in and turning button locks outside knob, requiring key at all times. Turning inside knob does not unlock outside knob until button is manually turned to unlocked position. Inside knob always free.
		CK4455	Classroom	F84	<ul style="list-style-type: none"> Deadlocking latchbolt by knob either side except when key outside locks outside knob. Outside knob unlocked by key outside. Inside knob always free.
		CK4457	Storeroom or Closet	F86	<ul style="list-style-type: none"> Deadlocking latchbolt by key in outside knob, or by rotating inside knob. Outside knob always rigid. Inside knob always free.
		CK4480	Communicating or Exit	—	<ul style="list-style-type: none"> Deadlocking latchbolt by knob outside only. Blank rose inside; no inside operation.
		CK4482	Store Door	F91	<ul style="list-style-type: none"> Deadlocking latchbolt by knob either side, except when key either side locks both knobs. Keyed alike unless otherwise specified.
		CK4450	Half Dummy Trim	—	<ul style="list-style-type: none"> Knob acts as pull only; no operation. Knob is rigid.



*Unless push button has been fixed in locked position by spanner key (furnished). When push button is fixed by spanner key, lock is operable only by emergency key or by display key.



Global

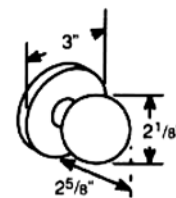
Brass, bronze or stainless steel



GWC

Knob: Wrought

Rose: Wrought reinforced



Belmont

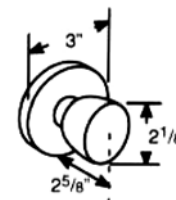
Brass, bronze or stainless steel



BWC

Knob: Wrought

Rose: Wrought reinforced

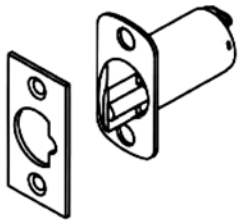


Options and Accessories

CK4400

Latches

Deadlocking feature standard, preventing manipulation when door is closed.
To order optional latchbolt with lockset, see How to Order, page 9.
To order latchbolt separately, specify Part No. x Finish (e.g. 574F55 x 626).



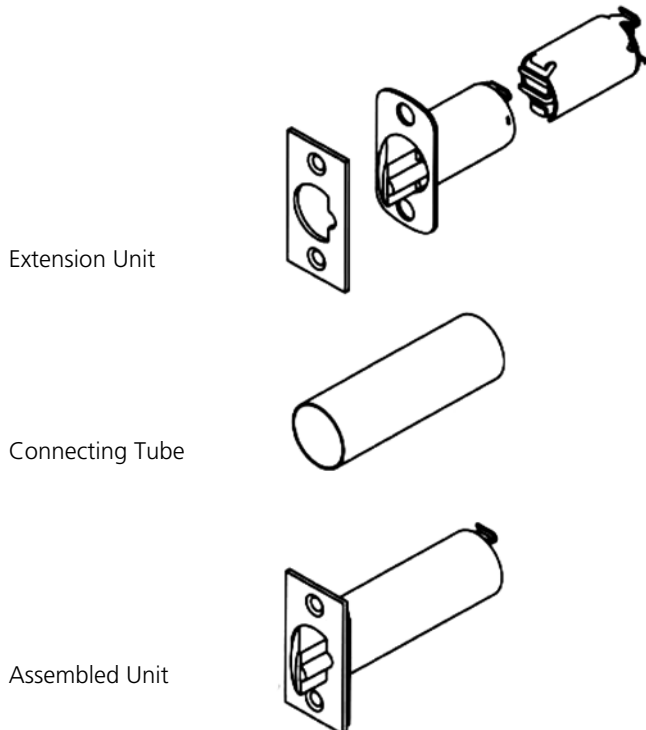
Description	Series/Function	Part NO.
2-3/4" (70mm) Backset	CK4410, CK4451, CK4455, CK4457, CK4480, CK4482	574F55
	CK4429, CK4430, CK4440	574F56
2-3/8" (60mm) Backset	CK4410, CK4451, CK4455, CK4457, CK4480, CK4482	574F29
	CK4429, CK4430, CK4440	574F30

Extended Backsets

When 3-3/4" (95mm) backset is specified, Extension Unit and Connecting Tube will be furnished for use with 2-3/8" (60mm) backset latch. When 5" (127mm) backset is specified, Extension Unit and Connecting tube will be furnished for use with 2 3/4" (70mm) backset.

To order optional backset with lockset, see How to order, page 9.

To order backset Extension Unit and Connecting Tube, specify Part No. 574F25 for 3-3/4" (95mm) or Part No. 574F26 for 5" (127mm).



Extension Unit

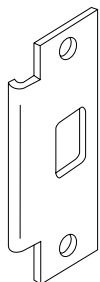
Connecting Tube

Assembled Unit

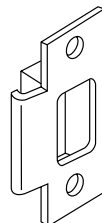
Options and Accessories

CK4400

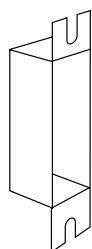
Strikes



ANSI Curved Lip (standard)
Brass, bronze, or stainless steel, 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm).
To order separately, specify 217L13 x Lip Length x Finish.



Curved Lip "T" Strike
Brass, bronze or stainless steel
2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (32mm) lip to center.
Optional lip lengths: 1" (25mm), 1-1/8" (29mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm).
To order optional strike with lockset, see How to order, page 9.
To order separately, specify 586L19 x Lip Length x Finish.



ANSI Wrought Strike Box
To order with lockset, see How to Order, page 9.
To order separately, specify 120F76-8.

Tools

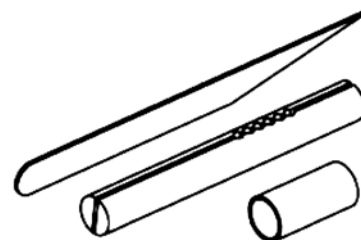
Knob Cover Removal Tool
To order, specify 506F57-8.



Knob Removal Tool
To order, specify 574F15-8.



Cylinder Shell Loading Kit
To order, specify CT-10.



Cylinders

<p>Standard Cylinder .509" plug diameter conventional Brass, 6-pin 2 nickel silver keys Finishes: 606, 619</p>				
Series/Function	All except CK4429	CK4455, CK4482 before August 1993	CK4429 with straight tailpiece	CK4429 with twisted tailpiece
Conventional 6-pin (standard)	2000-044	2003-044	2001-044	2001-066

How to Order

CK4400

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	CK4451	GWC	630	RHR

Split Finish Order Privacy function CK4430 only; inside finish 629 only.

Quantity	Series/ Function	Finish			Hand
		Trim	Outside	Inside	
12	CK4430	GWC	605	629	RH

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Optional Strike	Backset	Misc. Options	Keying
24	AA1	CK4451	GWC	630	RHR	SA134	B238	M17	VKC1

Where to find ordering information and quick codes

Series/Function	Page 4
Trim Designs	Page 5
Finish	Page 9
Handing	Page 9
Door Thickness	Page 9
Strike	Page 9
Backset	Page 9
Miscellaneous Options	Page 9
Cylinder and Keying	Page 9

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
Keys only	VKC1
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

Backset

Description	Specify
2-3/8" (60mm)	B238
2-3/4" (70mm)	(standard)
3-3/4" (95mm)	B334
5" (127mm)	B500

Finishes

Description	Specify
BHMA 605 (US3) Bright Brass	605
BHMA 612 (US10) Satin Bronze	612
BHMA 613 (US10B) Oxidized Bronze, oil rubbed	613
BHMA 629 (US32) Bright Stainless Steel	629
BHMA 630 (US32D) Satin Stainless Steel	630

Strikes

Lip to Center	ANSI Curved Lip Specify	Curved Lip Box Specify	Full Lip Specify
1" (25mm)	SA100	SC100	N/A
1-1/8" (29mm)	SA118	SC118	SF118
1-1/4" (32mm)	(standard)	SC114	N/A
1-3/8" (35mm)	SA138	SC138	N/A
1-1/2" (38mm)	SA112	SC112	N/A
1-3/4" (44mm)	SA134	SC134	N/A
2" (51mm)	SA200	SC200	N/A

Handing

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

Door Thickness

Door Thickness	Specify
1-1/4" (32mm) - 1-3/4" (44mm)	(standard)

Miscellaneous Options

Description	Specify
1" latch front, square corners (for 2-3/8" backset only)	M14
ANSI wrought strike box	M17
Abrasive coat outside and inside	M23
Abrasive coat inside	M24
Abrasive coat outside	M25

Helpful Terms

CK4400

Abrasive Coat

Hard granular material applied to a knob or lever to provide a non-slip tactile surface for the visually impaired.

Auxiliary Latchbolt

A supplementary latch which, when the door is closed, automatically deadlocks the latchbolt. Protects the latchbolt from forced retraction or "credit carding."

Backset

The distance from the front of the lock to the centerline of the cylinder or knob/lever hub.

Bevel

The angle of the edge of a door in relation to the inside and outside surfaces of the stile. The most common bevel for commercial doors is 1/8" in 2".

Box Strike

A strike equipped with an enclosure behind the hole(s) for the latchbolt and/or deadbolt. Protects the strike area from mortar and cement.

Chassis

The housing of a lockset, containing most of the working parts.

Curved Lip Strike

A strike with the lip curved to conform to the detail of the door frame.

Dummy Trim

Trim only, without the lock or latching mechanism, usually used on the inactive door of a pair of doors for design balance.

Front

The part of a lock visible on the edge of a door.

Hand

The direction a door swings.

Latchbolt

A lock component having a beveled end that projects from the lock front but may be forced back into the chassis by end pressure or drawn back by action of the retractor. When the door is closed, the latchbolt projects into a hole provided in the strike, holding the door in the closed position.

Strike

A metal plate that is pierced or recessed to receive the deadbolt or latchbolt of a lock (sometimes called a keeper).

Throw

The distance that a lock's deadbolt or latchbolt projects when in the locked position. The effective throw is the distance that a latchbolt projects when deadlocked.

Wrought Strike Box

A metal box mounted behind the strike to protect the strike opening from mortar or cement.

Keying and Cylinder Terms Construction Master Keying (CMK)

A cylinder preparation which allows temporary access by construction personnel.

Cylinder

A lock component containing the combination which determines which keys will operate.

Key Section

The cross-section of a key blade, as viewed from bow to tip.

Key Symbol

A letter/number combination in standard industry format (e.g., 1AA, AA1, etc.) which indicates exactly how a key or cylinder fits into a keying system.

Keyway

The opening in a cylinder plug through which the key enters.

Master Keying

Preparation of a cylinder to operate with keys or different levels of access.

Suggested Specification

All locksets shall be CK4400 Series Standard Duty Cylindrical Knob Locksets as manufactured by Corbin Russwin Architectural Hardware.

Locks shall have a steel chassis with zinc dichromate plated parts for rust resistance.

All knobs and roses shall be of reinforced construction. All inside and outside knobs shall be of the same profile and projection for aesthetic continuity.

All locksets and latchbolts shall be field reversible for ease of installation.

The latchbolt shall be adjustable to accommodate flat or beveled doors, shall have a 1/2" throw and shall include an auxiliary deadlocking feature to inhibit manipulation when door is closed.

All locksets shall be furnished with 2 nickel silver keys. All cylinder plugs shall be furnished with 6-pin chambers for expanded master keying capabilities.

All locksets shall be listed by Underwriters Laboratories for A label and lesser class single doors, 4' x 8'.

Certification:

Federal Specification FF-H-106C

ANSI A156.2 Series 4000, Grade 1

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



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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

CK4700 Series

Light/Medium Duty Knob Locksets



ASSA ABLOY, the global leader
in door opening solutions

Introduction

CK4700



Quality

The CK4700 series is a Grade 2 light/medium-duty knob lockset which provides an outstanding combination of value and performance. It is the ideal knob lockset for light commercial and heavy-duty residential applications such as interior offices, closets, multi-family housing, restaurants and retail complexes. The CK4700 series provides quality materials and performance.

Vandal Resistance

CK4700 series locksets are available with Corbin Russwin's Pyramid patented* security cylinder, the most secure locking system available. Pyramid is especially recommended for installations that require superior protection against picking and drilling. See the Key Systems catalog for additional information. (* Patent No. 6, 125, 674)

Key Advantages

- ANSI Grade 2 certification
- UL 1-1/2 hour fire rating
- Pyramid cylinders for increased security
- Interlocking tubular chassis and latchbolt

Table of Contents

Introduction.....	2
Features.....	3
Functions.....	4
Trim Design.....	5
Options and Accessories.....	6
How to Order.....	8
Quick Codes.....	9
Specifications.....	10



Features

Handing

Non-handed.

Door Thickness

1-3/8" (35mm) to 1-3/4" (44mm).

Lock Chassis

Die cast zinc for corrosion resistance.

Backset

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

Optional: 2-3/8" (60mm). See Quick Codes, page 9.

Latches

1/2" (13mm) bolt projection.

Auxiliary Latchbolt

Deadlocking latchbolt prevents manipulation when door is closed.

Strike

T- Strike standard. Optional strikes, lip lengths and ANSI wrought strike box available; see Quick Codes, page 9.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
High Security Pyramid

Keys

Two nickel silver standard.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.2 Series 4000, Grade 2.

UL/ULC

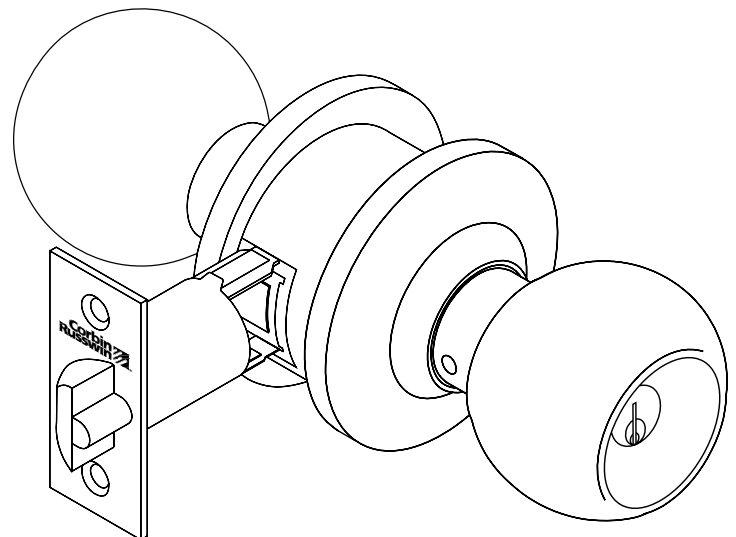
All locks listed for B Label Single doors.

UL symbol on latch front indicates 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.

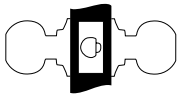
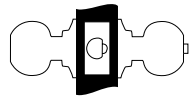
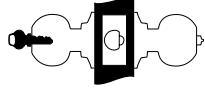
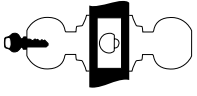
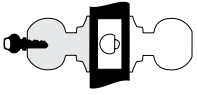
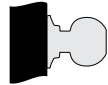
Finishes

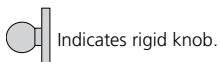
BHMA 605	Bright Brass
BHMA 626	Satin Chromium Plated

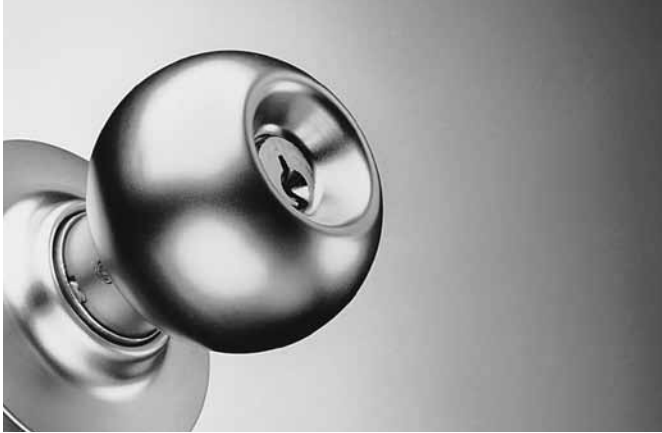


Functions

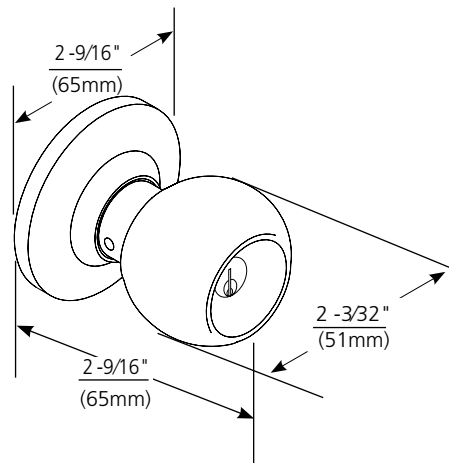
CK4700

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
		CK4710	Passage or Closet	F75	<ul style="list-style-type: none"> • Deadlocking latchbolt by knob either side. • Both knobs always free.
		CK4720	Privacy Bedroom or Bathroom	F76	<ul style="list-style-type: none"> • Deadlocking latchbolt by knob either side. • Outside knob locked by button. • Outside knob unlocked by button inside, or by rotating inside knob. • Emergency release in outside knob. • Inside knob always free.
		CK4751	Entrance or Office	F81	<ul style="list-style-type: none"> • Deadlocking latchbolt by knob either side, except when button locks outside knob. • Rotating button locks outside knob, requiring key to unlock. Turning inside knob unlocks outside knob. • Rotating button the other way locks outside knob, requiring key to unlock. Turning inside knob unlocks outside knob only when button is rotated back to unlock. • Inside knob always free.
		CK4755	Classroom	F84	<ul style="list-style-type: none"> • Deadlocking latchbolt by knob either side, except when key outside locks outside knob. • Outside knob unlocked by key outside. • Inside knob always free.
		CK4759	Storeroom or Public Restroom	F86	<ul style="list-style-type: none"> • Deadlocking latchbolt by knob inside. • Key outside unlocks outside knob to retract latchbolt. • Knob retracts latchbolt. • Key is retained in the unlocked mode. • When key is removed, outside knob is locked. • Inside knob always free.
		CK4750	Half Dummy Trim (Surface Mounted)	—	<ul style="list-style-type: none"> • Knob acts as pull only; no operation. • Knob is rigid.





Global



GWC

Knob: Brass

Knob projection: $\frac{2-9}{16}$ " (65mm)

Rose: Brass

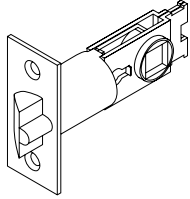
Rose diameter: $\frac{2-9}{16}$ " (65mm)

Options and Accessories

CK4700

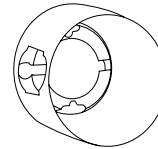
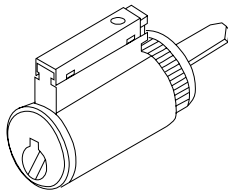
Latches

To order optional latchbolt with lockset, see Quick Codes, page 9.
To order latchbolt separately, specify Part No. x Finish
(e.g., 687F63 x 626).



Backset and Front Description			UL Latches
2-3/4" (70mm)	Square Corner Front	2-1/4" (57mm) x 1-1/8" (29mm) faceplate	687F63
2-3/8" (60mm)	Square Corner Front	2-1/4" (57mm) x 1" (25mm) faceplate	687F64
2-3/8" (60mm)	1/4" (6mm) Round Corner Front	2-1/4" (57mm) x 1" (25mm) faceplate	687F65
	1" (25mm) Latch Sleeve		687F71

All CK4700 Latches are Deadlocking.



Cylinders

		Standard Cylinder .509" plug diameter conventional .496" plug diameter high security Brass, 6-pin 2 nickel silver keys Finishes: 606, 626
Conventional	6-Pin	(standard) (2000-037)
Pyramid High Security	7-pin	(2020-037)
Pyramid Security	7-pin	(2027-037)
Schlage® C Keyway	5-Pin	2400-037-C-5 "O" bitted or keyed random

To order optional cylinder with lockset, see Quick Codes, page 9.
To order cylinder separately, specify Part No. x Keyway x Finish
(e.g., 2000-037 x L4 x 626).

UL Firecup

Part No. 687F66

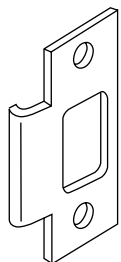
Supplied standard with all CK4700's. Failure to use invalidates UL listing.

Screw Pack

Part No. 687F96

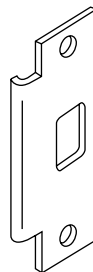
Supplied standard with wood-machine screws combination.

Strikes



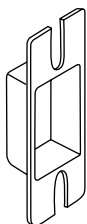
Curved Lip "T" Strike

2-3/4" (70mm) x 1-1/8" (29mm) x
1-1/4" (32mm) lip to center
Supplied standard with lockset.
To order separately, specify 586L19 x Lip
Length x Finish.



ANSI Curved Lip

4-7/8" (124mm) x 1-1/4" (32mm) x
1-1/4" (32mm) lip to center
To order with lockset, specify SA114.
To order separately, specify 217L13 x Lip
Length x Finish.



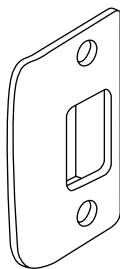
Dust Box for 2-3/4" (70mm) Curved Lip "T" Strike

To order with lockset, specify M77.
To order separately, specify 687F94 x
Finish.



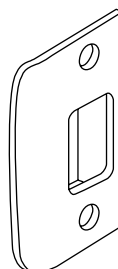
ANSI Wrought Strike Box

To order with lockset, specify M17.
To order separately, specify 120F76-8.



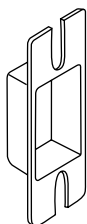
Full Lip Radius Corner

2-1/4" (57mm) x 1-1/2" (38mm) x
1" (25mm) lip to center
To order with lockset, specify SFR114.
To order separately, specify 687F62 x
1-1/8" (29mm) x Finish.



Full Lip Square Corner

2-1/4" (57mm) x 1-1/2" (38mm) x 1" (25mm)
lip to center
To order with lockset, specify SF114.
To order separately, specify 687F61 x Finish.



Dust Box for 2-1/4" (57mm) Full Lip Radius and Square Corner Strikes

To order with lockset, specify M78.
To order separately, specify 687F95 x Finish.

How to Order

CK4700

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish
100	CK4755	GWC	626

Where to find ordering information and quick codes

Handing	Page 3
Series/Function	Page 4
Trim Design	Page 5
Finish	Page 9
Door Thickness	Page 9
Backset	Page 9
Strike	Page 9
Miscellaneous Options	Page 9
Cylinders and Keying	Page 9

Contract/Detailed Order

Quantity	Keyset	Series/Function	Trim	Finish	Backset	Misc. Options	Keying
24	AA1	CK4755	GWC	626	B238	M17	CKC2

Finishes

Description		Specify
BHMA 605 (US3)	Bright Brass	605
BHMA 626 (US26D)	Satin Chromium Plated	626

Backset

Description	Specify
2-3/8" (60mm)	B238
2-3/4" (70mm)	(standard)

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder	LC
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keying (not available for Pyramid)	CMK
Pyramid High Security	PHS
Pyramid Security	PS
Visual Key Control (VKC)	
- No keying data stamped on key or cylinder	VKC0
- Keys only	VKC1
- Cylinders and keys (not for PHS)	VKC2
- Cylinders only (not for PHS)	VKC3
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for PHS)	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

Door Thickness

Description	Specify
1-3/8" (35mm) - 1-3/4" (44mm)	(standard)

Strike

Strike Type	Specify
ANSI Curved Lip	SA114
Curved Lip "T" Strike	(standard)
Full Lip 1/4" (6mm) Radius Corner	SFR114
Full Lip Square Corner	SF114

Miscellaneous

Description	Specify
Less cylinder with tailpiece for Schlage® cylinder	M06
1-1/8" (29mm) latch front, square corners (standard with 2-3/4" (70mm) backset).	(standard)
1" (25mm) latch front, square corners (standard with 2-3/8" (60mm) backset). Available in 2-3/8" (60mm) backset only.	M14
1" (25mm) latch front, rounded corners. Available in 2-3/8" (60mm) backset only.	M15
Dust box for 2-3/4" (70mm) strike	M77
Dust box for 2-1/4" (57mm) strike	M78
ANSI wrought strike box	M17

Specifications

CK4700

Locksets shall be CK4700 Series Grade 2 Key-in-Knob Locksets.

Locks shall have an interlocking tubular chassis and latchbolt.

Locksets shall be adjustable for 1-3/8" (35mm) and 1-3/4" (44mm) door thickness. The latchbolt shall be adjustable to accommodate flat or beveled doors, shall have a 1/2" (13mm) throw and shall include a deadlocking feature to inhibit manipulation when door is closed.

Inside and outside knobs shall be of the same profile and projection for aesthetic continuity. The knob shall have a 2-9/16" (65mm) projection from face of door.

Locksets shall be furnished with two nickel silver keys. All cylinder plugs shall furnished with 6-pin chambers for master keying capabilities.

Cylinders shall be easily changed by removing the knob without disassembling the lockset.

Certification:

UL 1-1/2 Hour Fire Rating

ANSI A156.2 Series 4000, Grade 2

Locksets shall carry a one-year warranty.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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

Key Systems

Cylinders and Keys



ASSA ABLOY, the global leader
in door opening solutions

Table of Contents

Designing Master Key Systems 3
 Key Wizard® 4
 How to Order Cylinders 5
 Cylinder and Key Stamping 6
 Temporary Access 7
 Conventional Cylinders 8
 Interchangeable Core 14
 Security 17
 Master Ring 19
 Pyramid 21
 Bump Resistant Cylinders 28
 Key Blanks 29
 Keyways 31
 Mortise Cylinder Cams 40
 Cylinder Accessories 41
 Plug Diameters/Quick Codes .. 43
 Service Equipment 45
 Policies and Procedures 49
 How to Establish Key Systems 50

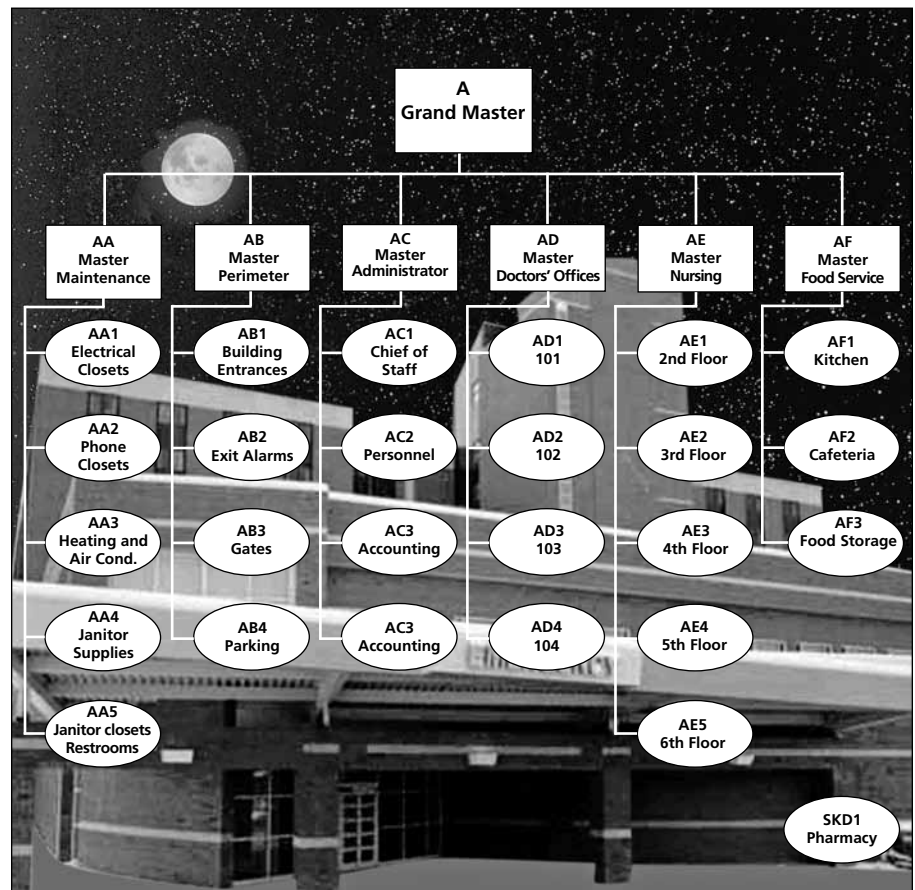
www.corbinrusswin.com

Applications

To provide the desired level of security, even the finest architectural hardware requires a properly designed and maintained master key system.

The keying system is the "software" of a building's security. As shown in the schematic below, it turns each hardware product into an access control device.

The choice of cylinder mechanism must be planned together with the keying system. The variety of mechanisms available from Corbin Russwin offers the right balance of security, convenience and expansion capability for every job.



Key Systems

Step 1

Determine the type of locking system

- Conventional "open & restricted keyways"
 - Not contract controlled
- Patented locking system
 - A notice of acceptance will be required between Corbin Russwin and Owner
 - Factory-based system
 - Key blank distribution restrictions are in place
- Security (secondary locking mechanisms, example; Pyramid Security)
- High security (same as Security plus UL437 – example; Pyramid High Security)
- Standalone access control locking devices (at door wiring, example; Access 800)
 - To facilitate multiple users through common doors
- Integrated locking systems (hard wired into access control systems)

Step 2

Establish the level of the master key system. The higher the level the less secure.

- Level two – "Simple Master Key system"
 - Change key, and master key only
- Level three – "Grand Master Key system"
 - Change key, master key, and Grand Master Key
- Level four – "Great Grand Master Key system"
 - Change key, master key, Grand Master Key, and Great Grand Master Key
- Levels higher than four are not recommended for security reasons
 - With more levels, additional master pins in each chamber of the cylinder would be required, and with the additional master pins the possibility of unauthorized key interchanges could occur

See pages 50-52 on How to Establish Key Systems.

Step 3

Establish key hierarchy, key issuing policies and procedures, and administrative disciplines.

- Who, if anyone is authorized to carry the top master key?
- Who carries master keys and change keys?
 - Does every employee receive a key?

- What disciplinary action(s) is being put in place for violations?
 - Fines or Deposits
 - > Lost keys
 - > Keys not returned
 - Will there be a key receipt required?
 - > Where will that be kept?
- Who is the systems administrator?
 - Authorized to purchase
 - Responsible for Key Control Administration
- Who is the Key Control Administrator?
 - Maintain key control software & all transactions

Step 4

System Layout

- Helpful Hints
 - KISS "Keep It Simple System"
 - > Do not use the term sub-master (not unless it's level 6 and higher)
- Lowest level possible
- Key to the building security objectives NOT to the people
 - Determine if the system is to be designed for Security or Convenience
- No cross keying, especially with patented locking systems and higher
- Key alike within master key groups as much as possible
 - Avoid top-heavy systems (example; few change keys used under masters)
- Has the right function of lockset been selected?
 - Storeroom vs. Classroom vs. Entry
 - Single cylinder vs. double cylinder
 - > If double cylinder, how is the inside cylinder to be keyed?
- Provide adequate quantity of keys
 - Top Master keys "limit the number of these to only a few"
 - Master keys "also limit the number these"
 - Change keys per key set and/or per keyed alike sets
 - Special operating keys
 - > Control keys "limit the number of these"

Separate the internal departments into sectors, example are:

- Perimeter
 - Including all exterior doors, roof surfaces, gates and fences, and adjacent buildings.
- Operations
 - Sensitive areas crucial to daily operations, such as plant engineering, security and mechanical operations.

- Management
 - Areas that are vital for daily business activities, primarily human resources, administration, executive offices, IT, sales, and accounting.
- Services
 - Areas that provide employees and visitors with services, such as restrooms, medical treatment areas, housekeeping, food service, retail (unless it's a leased outside source).
- Unique Applications
 - Door openings requiring access control hardware where key override is required, or any other special application which would be unique.
- Tenants
 - Any tenants that are not part of the building.

Step 5

Servicing & Maintenance

- In-house or outside locksmith
 - Ensure proper training
 - Establish key cutting log
 - Establish service request procedures
- Service equipment
 - Key kit
 - Code cutter that complies with systems depths & spacing specifications
 - Locksmithing tools, fixtures & accessories
- Establish stock levels & requirements to avoid misuse of multi-section key blanks
 - Additional cylinders ready for emergencies
 - Additional key blanks (of all keyways)
- Who or where are the key blanks going to be kept?
- Who is authorized to cut keys?
 - What form of work order will be used to authorize cutting of keys?
 - Who will sign the work order?
 - What records will be kept & where?
- What type of reports will be required?
 - Overdue keys
 - Miss-cut keys
 - > Who receives the reports?
- Once a key has been cut, what instructions are given to the recipient?
 - Key receipt recommended
- Ensure that all transactions are recorded by the Key Control Administrator
- ENFORCEMENT FROM THE START! SUPPORT AND BACK THOSE WHO ARE RESPONSIBLE FOR MAINTAINING AND SERVICING THE SYSTEM.

Key Wizard®

Key Systems

Key Management Software

Advantages

A key management software program is essential for any type of organization. Keeping track of the key holders in a master key system is critical for maintaining key control and ensuring the security and integrity of the system. *Key Wizard* by Corbin Russwin was designed to provide a user-friendly tool for facility end users to track detailed information concerning their keying system. It offers improvements over existing key management software by utilizing clutter-free and easily navigated screens. This system uses a Microsoft®

Outlook® type of layout.

Key control for a facility is maintained by adopting a complete system of policies, procedures, record keeping and specialized products. A comprehensive key management software program is one aspect of a complete key control system.

Key Wizard by Corbin Russwin provides the facility with accurate information concerning keys, key holders, hardware locations, master key systems, overdue keys and maintenance service schedules, all of which can be customized.



Features:

- Free technical support and free software upgrades for one year
- Customized query, report and search capability
- Comprehensive hardware listings for door locations
- Displays key holder photos and signatures for verification
- Clear, easy to read screens
- Automatic reminders for maintenance, back-ups and overdue keys
- Network and standalone versions available
- Accurate key symbol sorting
- Audit trail tracks changes made to keyholders
- Printing of door number labels to ensure proper cylinder installation
- Key authorization tracking

- Customized key receipts and authorization forms
- Tracking of loaned keys and key deposits
- Stores maintenance service history records
- Can manage multiple end users and multiple key systems for most manufacturers
- Importing of key systems, keyholders and locations
- Exporting of key systems and locations
- Global key search across multiple master key systems
- Multi-level password protection
- Download of key bittings to ITL9700 Code machine
- Pinning Calculators

Computer System Requirements:

- 500 MHz processor or greater
- Windows 98, 2000, ME, NT, XP, Vista or 7
- 64 MB RAM
- CD Drive
- Mouse pointing device
- 70 MB hard disk space

How to Order:

All *Key Wizard* programs are licensed specifically to each facility end user. Special online ordering procedures apply. The following information is required for each system:

End User Facility Name
End User Contact Individual
Mailing Address
Phone Number

Demo Version

Demo versions are available. Demos can be downloaded from the Corbin Russwin website at <http://www.corbinrusswin.com> or www.keywizard.net

Key Wizard Technical Support:

1-800-610-1706

How to Order Cylinders

Numbering Scheme Overview

Key Systems

Cylinder Type	Mechanism	Function	Length	Cam	Pins	Keyway
10 Mortise	0 Standard	0 Standard	(Mortise Cylinder)	A01 Cloverleaf	5	
11 Flex Head Mortise	1 Security	1 Hotel	100 1" (25mm)	A02 Straight	6	
12 Concealed Shell Mortise	2 Pyramid	2 Blockout	118 1-1/8" (29 mm)	A03 Adams Rite® MS	7	
13 Thumbturn Mortise	3 IC Pyramid Cylinder (LFIC)	3 Classroom	114 1-1/4" (32 mm)	A04 DL4000 Series		
14 Dummy Mortise	4 SFIC Housing	4 Brink CW	138 1-3/8" (35 mm)	A05 Adams Rite 4070		
20 Knob/Lever	6 Master Ring	5 Brink CCW	112 1-1/2" (38 mm)	A06 Schlage® Cloverleaf		
21 Continental Knob	7 LFIC Housing	6 Obsolete Crossbar ED6200	134 1-3/4" (44mm)	A07 DL4100 Series		
22 Competitor Knob/Lever	8 IC Complete Cylinder (LFIC)	7 Pyramid Security	200 2" (51 mm)	A61 New MR Cloverleaf-locks made after 5/93		
23 RFC Padlock	9 IC Security Cylinder (LFIC)		214 2-1/4" (57 mm)	A62 MR Straight		
24 Competitor Keyways			212 2-1/2" (64 mm)	A63 Large MR Short		
30 Rim			234 2-3/4" (70 mm)	A64 Large MR Long		
33 Thumbturn Rim			300 3" (76 mm)	A65 Old MR Cloverleaf - locks made prior to 5/93		
42 Special Application			314 3-1/4" (83 mm)	A92 Exit Grip Trim 01, 02		
43 DL2100, DL3100			312 3-1/2" (89 mm)	A93 Obsolete Deadlocks: Corbin® 610 Series and Russwin® 1403 Series		
44 DL2200, DL3200			334 3-3/4" (95 mm)			
80 IC-Core Only (LFIC)			(Rim Tailpiece)			
			058 5/8" (16 mm)			
			114 1-1/4" (32 mm) IC			
			138 1-3/8" (35 mm)			
			178 1-7/8" (48 mm) IC			
			178V 1-7/8" (48 mm) vertical IC			
			200 2" (51 mm)			
			200V 2" (51 mm) vertical			
			318 3-1/8" (78 mm) IC			
			312 3-1/2" (89 mm)			
			312V 3-1/2" (89 mm) vertical			

*For cylinder options, see pages 43-44

Finish	
Description	Specify
Bright Brass	605
Satin Brass	606
Bright Bronze	611
Satin Bronze	612
Dark Oxidized Satin Bronze, Oil rubbed	613
Bright Nickel Plated	618
Satin Nickel Plated	619
Flat Black Coated	622
Bright Chromium Plated	625
Satin Chromium Plated	626
Bright Stainless Steel	629
Satin Stainless Steel	630
Black Oxidized Bronze, oil rubbed	722

Key Systems

Visual and Concealed Key Control

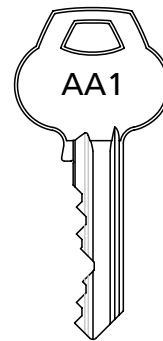
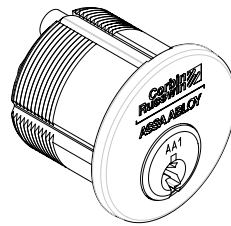
With these options, keys and/or cylinders are stamped with their respective keyset symbol, so lock mix-ups during installation or key mix-ups afterwards are less likely to happen – and easier to straighten out if they do. Lost keys are also easier to replace. The coded information on the cylinder tells you how the cylinder is keyed, thereby eliminating trial and error.

For example, the symbol AA1 shown in the illustration identifies the lock to be operated by grand master key A, master key AA and change key AA1. Upon written authorization from the building owner to an authorized Corbin Russwin Distributor, a bitting list can be furnished for each job to translate the symbols into key bittings.

If a key is lost, it can easily be replaced by referring to the symbol on the cylinder and the bitting on the bitting list. VKC is not available on Security or Pyramid cylinders.

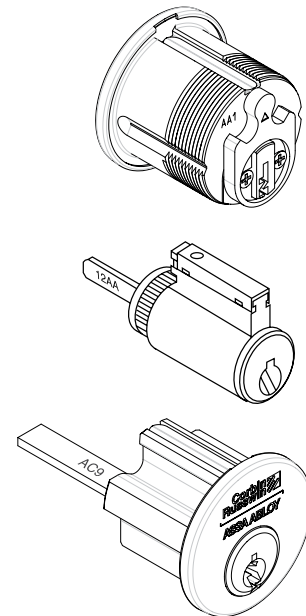
Visual Key Control (VKC) For Greater Convenience

The key symbol is stamped on the plug face or other visible portion of the front of the cylinder. (VKC is available on all keys, but not available on Security, CK4400 Series Lockset or Pyramid cylinders.)



Concealed Key Control (CKC) For Greater Security

For greater security, specify CKC on the cylinders. The key symbol is stamped in a concealed location, such as the rear of the cylinder. It is not visible to the general occupants of the building but can be accessed by authorized personnel upon removing the cylinder from the lockset.



The following codes and definitions have been established for specifying cylinder and key stamping:

Quick Code	Definition
VKC0	No keyset, registry number, keyway, nor bitting stamping on any keys. Includes master keys and change keys. (Keys will be tagged.)
VKC1	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* (Standard for high security and security cylinders.)
VKC2	Master Keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* Cylinders stamped with their keyset symbol on the face of the plug. (Not available for high security or security cylinders.)
VKC3	Master Keys stamped with their registry number. Change keys stamped with their bitting, keyway* and system. Cylinders stamped with their keyset symbol on the face of the plug. (Not available for high security or security cylinders.)
CKC2	Master keys stamped with their keyset symbol and registry number. Change keys stamped with their keyset symbol and keyway.* Cylinders stamped with their keyset symbol in a concealed location.
CKC3	Master keys stamped with their registry number. Change keys stamped with their bitting, keyway* and system. Cylinders stamped with their keyset symbol in a concealed location. (Not available for high security, or security cylinders.)

*Keyway will NOT be stamped on the keys for security or high security cylinders, nor restricted or protected keyways unless specifically requested as per the purchase order. (KB18, KB19, KB28 or KB90 series)



Construction Master Keying

Construction Master Keying (CMK) is a Corbin Russwin keying option that provides the extra security needed in the transition from construction of a building or complex to completion.

The construction master key operates all Corbin Russwin cylinders while the building is under construction. Upon completion of the construction phase, it can be voided without removing the cylinders from the locks, simply by turning the change key in each cylinder. Interchangeable core jobs with construction master keying further require a construction control key to install and remove cores during the construction phase.

The permanent master and change keys for the system are always packed and shipped separately, and the order must include the names and addresses of individuals to whom the construction, permanent master and change keys should be sent.

This feature is NOT available on Security or Pyramid cylinders.

SKD Caution

Unless otherwise specified, SKD sets will be construction master keyed. When construction master keying is established for SKD sets, Corbin Russwin issues a separate SKD CMK key as well as an SKD CMK Control key if required.

How to Order CMK

To order locksets and/or cylinders with the construction master key feature, the quick code CMK should be indicated as an option.

Temporary Construction Cores

Lockable

A more secure method of construction keying for interchangeable core hardware is the use of temporary construction cores. Corbin Russwin recommends this method of construction keying for IC jobs.

Hardware is furnished with construction cores that are keyed alike to a combination unrelated to the permanent system's master key. When the building is turned over to the owner, the permanent cores are installed and the temporary construction cores can be returned to Corbin Russwin for credit.

The IC temporary construction cores are available in red, blue and green. The color options enhance the user's ability to easily control access to different locations on a construction site, or identify different locations for specific keying applications.

How to Order Lockable

For 6-pin, use quick code CT6
IC 6-pin with Red temporary construction core (Red), CT6R
IC 6-pin with temporary construction core (Blue), CT6B
IC 6-pin with temporary construction core (Green), CT6G
For 7-pin, use quick code, CT7
IC 7-pin with temporary construction core (Red), CT7R
IC 7-pin with temporary construction core (Blue), CT7B
IC 7-pin with temporary construction core (Green), CT7G
For Pyramid, use quick code CTP.

Note: Orders specifying only CT6 or CT7 without the color designation will receive the Red IC temporary construction core by default.

Examples:

ML2051 x LSA x 626 x RH x CT6
1080 x 114 x A01 x 626 x CTP
CL3355 x NZD x 626 x CT6B
1080-114-A01 x 626 x CT6G
Permanent cores must be ordered separately.

Disposable

Corbin Russwin offers two formats of disposable temporary cores. These cores do not require keys for their operation and no returns or credits are allowed.

Disposable cores are available for Corbin Russwin large format interchangeable core (LFIC) housings or for small format interchangeable core (SFIC) housings. **Please note that Corbin Russwin does not provide permanently keyed SFIC cores.**

How to Order Disposable

LFIC
For 6-pin, use quick code CT6D
For 7-pin, use quick code CT7D
For Pyramid, use quick code CTPD

Examples:

ML2051 x LSA x 626 x RH x CT6D
1080 x 114 x A01 x 626 x CTPD
Permanent cores must be ordered separately.

SFIC - Key-in-lever/knob locksets
For 6- and 7-pin, use quick code CTSD

SFIC - Mortise Locks and Exit Devices-Rim Cylinders
For 6-pin housing, use quick code CLS6
For 7-pin housing, use quick code CLS7

Mortise Cylinders

For use with all mortise locks and DL3000 Deadlocks. IC: page 15. Security: page 17. Master Ring: page 20. Pyramid: page 24.



Type	Length	Cam	Pins	Keyway	Finish
1000	100 1" (5 pin only)	(see page 40)	5	(see pages 31-39)	605
	118 1-1/8" (standard)	A01 Cloverleaf	6 (standard)		606
	114 1-1/4"	A02 Straight	7 (available for 1-1/4"-3")		611
	138 1-3/8"	A03 Adams Rite® MS and			612
	112 1-1/2"	DL3000 Deadlock			613
	134 1-3/4"	A04 DL4000 Deadlock			622
	200 2"	A05 Adams Rite 4070			625
	214 2-1/4"	A06 Schlage® Cloverleaf			626
	212 1-1/2"	A07 DL4100			629
	234 2-3/4"	A92 Exit Grip Trim 01 & 02			630
	300 3"	A93 Obsolete deadlocks:			722
	314 3-1/4"	Corbin® 610 Series and Russwin® 1403 Series			
	312 3-1/2"				
	334 3-3/4"				

Flexible Head Mortise Cylinders

Use Flexible Head mortise cylinders only with sectional trim mortise locks. The head is spring-loaded to adjust for minor variations in door thickness. See page 20 for Master Ring.



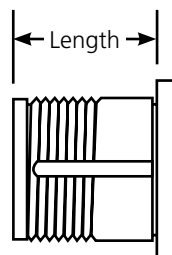
Type	Length	Cam	Pins	Keyway	Finish
1100	100 1" (6-pin std.)	(see page 40)	6 (standard)	(see pages 31-39)	605
	118 1-1/8"	A01 Cloverleaf	7 (available only for 1-1/8" - 1-1/4")		606
	114 1-1/4"	A02 Straight			611
					612
					613
					618
					619
					625
					626
					722

Concealed Shell Mortise Cylinders

Concealed shell cylinders are for mortise locks using "Plug Only to Show" escutcheon trim.



Type	Length	Cam	Pins	Keyway	Finish
1200	100 1" (6-pin std.)	(see page 40)	6 (standard)	(see pages 31-39)	606
	118 1-1/8"	A01 Cloverleaf	7 (available only for 1-1/4" - 1-1/2")		626
	114 1-1/4"	A02 Straight			
	138 1-3/8"				
	112 1-1/2"				



Length is measured from behind the cylinder head to the end of the cam.
For cam illustrations and applications, see page 40.

Conventional Key Systems

Mortise

Hotel Function Cylinders

Guest Key and all normal master keys have limited rotation to retract latchbolt only. Emergency Master Key (EMK) and display key turn 360° to operate deadbolt as well.

Brink Function Cylinders

The change key turns in only one direction while the master key turns in both directions. While it was developed for the detention market, the cylinder can provide a creative solution to other security needs when used in conventional mortise locks. 6-pin only. Integration of these cylinders must be planned from the inception of a keying system.

Cylinder for Obsolete Exit Device

For inside of obsolete Corbin® 3726 1/2 and 3727 1/2 and Russwin® 736 1/2 and 737 1/2 only. Cam rotation is limited by steel pins on back of shell.

Type	Number	Remarks
Standard	1001-114-A01	Cylinders are 6-pin. Display and Emergency Master Keys are cut on 7-pin blanks
Flexible Head	1101-118-A01	
Concealed Shell	1201-114-A01	

Not available with D1, D2, L1, L2, 752, 852 or A Class keyways. Order with A91 cam to accept discontinued Russwin® "G" type long EMK.

Finishes: see Standard, Flexible Head and Concealed Shell Cylinder sections, page 8.

Application	Number	Remarks
Folger Adam® NS400 Series x LEK	1004-118-A02	Clockwise
Folger Adam NS400 Series x LEK	1005-118-A02	Counterclockwise
Brink "CKS"	1004-118-A05	Clockwise
Brink "CKS"	1005-118-A05	Counterclockwise

Finishes: 605, 606, 611, 612, 613, 625, 626, 629, 630, 722

1006-118-A02 (6-pin only)
Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722

Thumbturn Cylinders



Classroom function cylinders have a pin to block cam rotation in the locking direction. The pin may be installed on either side of the cam, depending on the hand of the door.

Suffix cam number to basic cylinder number. Example: 1300-118-A03					
Function	Length	Basic Number	A02 (147F77)	A03 (111F55)	A93 (281F27)
Standard	1"	1300-100-	•	•	N/A
	1-1/8"	1300-118-	•	•	•
	1-1/4"	1300-114-	•	•	N/A
	1-3/8"	1300-138-	•	•	N/A
Classroom	1"	1303-100-	N/A	•	N/A
	1-1/8"	1303-118-	N/A	•	N/A
	1-1/4"	1303-114-	N/A	•	N/A
	1-3/8"	1303-138-	N/A	•	N/A

Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630, 722

Dummy Cylinders



These cylinders may be used to fill an opening left when mortise cylinder operation is no longer desired.

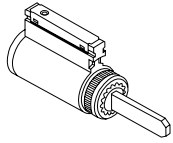
Number	Length
1400-118	1-1/8"
1400-114	1-1/4"
1400-138	1-3/8"

Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 629, 630

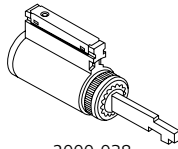
Conventional Key Systems

Component (Key-in-Lever/Knob)

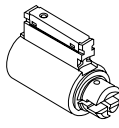
Component Cylinders Finishes 606, 626



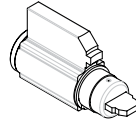
2000-031, 033, 034 or 037



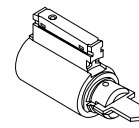
2000-038



2000-052



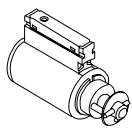
2000-044



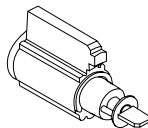
2000-051

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin
2000	031	CL3100 Lever Trim	(.509")		778F778 (.692")	778F768 (.536")
	033	CL3300, CL3500, CL3800, CL3600 (June 2000 and after) Lever Trim - A6/N6/PR6	(.509")		622F308 (.950")	682F298 (.794")
	033H	G1055 ED Trim (Horizontal Tailpiece)		(.509")	622F308 (.950")	682F298 (.794")
	034	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000), A5/N5	(.509")		622F298 (1.106")	622F308 (.950")
	037	CL3700 CK4700	(.509")	(.509")	682F298 (.794")	NA
	038	CL3800 (Obsolete 1993-1997 model)	(.509")		596F898 (1.056")	NA
	039	CL3900	(.509")		680F608 (1.700")	NA
	039L	CL3900 (2", 2-1/4" Thick Doors)	(.509")		681F068 (1.950")	NA
	044	CK4400		(.509")	NA Separately	NA
	051	B2/G2/G3 ED Trim			(.552")	489F028 (.890")
052	UT5200/CK4200		(.552")	(.552")	No Tailpiece	NA

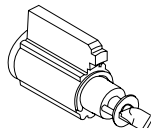
Note #1= For 7-pin version, suffix -7 i.e. 2000-033-7



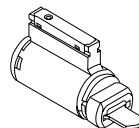
2001-052



2001-044



2001-066

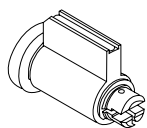


2001-051

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin	Remarks
2001	031	CL3129	(.509")		775F958 (.808")	775F968 (.652")	Use 2001-031-E8 for EMK Blank
	034	CL3329/CL3629 CL3429 (Lockset Series Obsolete)	(.509")		585F338 (1.046")	585F358 (.890")	Use 2001-034-E8 for EMK Blank
	044	CK4429 (Straight Tailpiece) Model 83 Only B2/G2/G3 ED Trim		(.509")	564F508 (.764")	NA	Use 2001-044-E4 for EMK Blank
	051	1400/3300/4300/5600 (Lockset Series Obsolete)		(.552")	186F748 (.965")	NA	Use 2001-051-E5 for EMK Blank
	052	CK4229	(.552")	(.552")	No Tailpiece	NA	Use 2001-052-E4 for EMK Blank
	066	CK4429 (Twisted Tailpiece)		(.509")	574F128 (.835")	NA	Use 2001-066-E4 for EMK Blank

Note #1= For 7-pin version, suffix -7, i.e. 2000-033-7

Note #2= 2003-044 used for CK4455 & CK4482 prior to August 1993

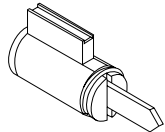


2100-052

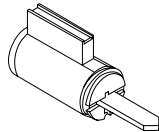
Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length) 6-Pin	Tailpiece Part Number (Length) 7-Pin	Remarks
2100	052	Ronde and Continental Knob (Obsolete)		(.552")	No Tailpiece	NA	Finishes 605, 606, 611, 612, 613, 625, 626

Conventional Key Systems

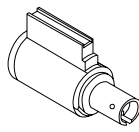
Component (Key-in-Lever/Knob)



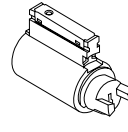
2200-001



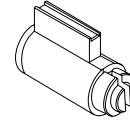
2200-002



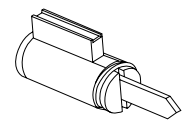
2200-008



2200-076



2200-054



2200-003

Cylinders for Other Manufacturer's Products

Type	Tailpiece	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number (Length)	Tailpiece Orientation
2200	001-A21	Alarm Lock DL2500 Series	(.552")	(.552")	444F748 (.813")	Vertical
		Arrow® H Series Knobs and Levers				
		Arrow Q Series Levers				
		Sargent® 10 Line (Enlarge Lever Hole)				
		Schlage® D Series Levers				
	001-A22	Schlage AL and ND Series Levers	(.552")		461F108 (1.078")	Vertical
	002-A21	Schlage D Series Knobs		(.552")	444F748 (.813")	Horizontal
	002-A22	Schlage A Series Knobs (PLY, etc.)		(.552")	461F108 (1.078")	Horizontal
	002-A23	Schlage A Series Knobs (ORB, only)		(.552")	520F358 (1.328")	Horizontal
	003-A24	Lockwood® H Series Knobs (Enlarge Knob Hole)		(.552")	444F748 (.813")	Vertical
008	Sargent 7,8,9 Line (Enlarge Knob Hole)		(.552")	NA		
054	Yale® 5400, 6200 Knobs Only (Enlarge Knob Hole)		(.552")	NA		
076	Sargent 7600 Integrallock (Enlarge Knob Hole)		(.552")	NA		

Cylinders with Other Manufacturer's Keyways

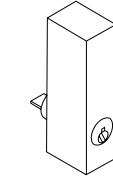
Type	Tailpiece / Keyway	Series	Lever (Plug diameter)	Knob (Plug diameter)	Tailpiece Part Number	Remarks
2400	031-C	CL3100	(.509")		778F788 (.710")	Schlage C Keyway
	031-LA	CL3100	(.509")		778F788 (.710")	Schlage LA Keyway
	033-C	CL3300/CL3600 (June 2000 and after) ED8200/ED8400	(.509")		622F328 (1.106")	Schlage C Keyway
	033-LA	CL3300/CL3600 (June 2000 and after) ED8200/ED8400	(.509")		622F328 (1.106")	Sargent LA Keyway
	034-C	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000)	(.509")		682F398 (0.950")	Schlage C Keyway
	034-LA	CL3400 (Lockset Series Obsolete) CL3600 (Prior to June 2000)	(.509")		682F398 (0.950")	Sargent LA Keyway
	037-C	CL3700	(.509")		685F098 (0.794")	Schlage C Keyway
		CK4700		(.509")		
	039-C	CL3900	(.509")		616F208 (1.700")	Schlage C Keyway
	039-LA	CL3900	(.509")		616F208 (1.700")	Sargent LA Keyway

Conventional Key Systems

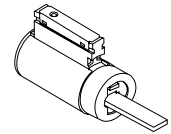
Component (Key-in-Lever/Knob/Dead Bolt)

Cylinders for Other Manufacturers' Products (.552" Plug Diameter)

Type	Tailpiece	Series	Plug Diameter	Tailpiece Part Number (Length)	Remarks
4200	002-A47	Adams Rite® 4025 Pull	(.552")	146F788 (0.968")	Cylinder Only
	003-A47	Adams Rite 4025 Pull	(.552")	146F788 (0.968")	Cylinder and Housing



4200-003-A47



4200-002-A47

DL2100/DL3100 Deadbolts 6-Pin Cylinder (.509 Plug Diameter)

Function	Door Thickness							
	1-3/8"		1-3/4" (Standard)		2"		2-1/4"	
	Cylinder	Tailpiece	Cylinder	Tailpiece	Cylinder	Tailpiece	Cylinder	Tailpiece
DL2111 DL3111	4300-138-A2	689F848 (1.160")	4300-134-A2	689F848 (1.160")	4300-134-A2	689F848 (1.160")	4300-134-A1	686F208 (1.340")
DL2112* DL3112*	4300-138-A2	689F848 (1.160")	4300-134-A2	689F848 (1.160")	4300-200-A2	689F858 (1.410")	4300-214-A2	689F868 (1.660")
DL2113 DL3113	4300-134-A1	686F208 (1.340")	4300-134-A1	686F208 (1.340")	4300-214-A2	689F868 (1.660")	4300-214-A2	689F868 (1.660")
DL2117 DL3117	4300-134-A1	686F208 (1.340")	4300-134-A1	686F208 (1.340")	4300-214-A2	689F868 (1.660")	4300-214-A2	689F868 (1.660")

* Outside cylinder shown in table. Inside cylinder always 4300-000-A3-6 (no tailpiece)

DL2100/DL3100 Deadbolts 7-Pin Cylinder (.509 Plug Diameter)

Function	Door Thickness							
	1-3/8"		1-3/4" (Standard)		2"		2-1/4"	
	Cylinder	Tailpiece	Cylinder	Tailpiece	Cylinder	Tailpiece	Cylinder	Tailpiece
DL2111 DL3111	4300-138-A2-7	689F888 (0.785")	4300-134-A4-7	689F848 (1.160")	4300-134-A4-7	689F848 (1.160")	4300-134-A4-7	689F848 (1.160")
DL2112* DL3112*	4300-138-A2-7	689F888 (0.785")	4300-138-A2-7	689F888 (0.785")	4300-200-A2-7	689F848 (1.160")	4300-214-A2-7	689F858 (1.410")
DL2113 DL3113	4300-134-A1-7	689F848 (1.160")	4300-134-A1-7	689F848 (1.160")	4300-214-A1-7	689F868 (1.660")	4300-214-A1-7	689F868 (1.660")
DL2117 DL3117	4300-134-A1-7	689F848 (1.160")	4300-134-A1-7	689F848 (1.160")	4300-214-A1-7	689F868 (1.660")	4300-214-A1-7	689F868 (1.660")

* Outside cylinder shown in table. Inside cylinder always 4300-000-A3-7 (no tailpiece)

DL2200/DL3200 Deadbolts Cylinder (.509 Plug Diameter)

Cylinder Type	Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
		Cylinder	Tailpiece	Cylinder	Tailpiece
6-Pin	11, 13, 17	4400-134-A51	753F768	4400-134-A51	753F768
	12	4400-134-A52	753F778	4400-214-A52	753F788
7-Pin	11, 13, 17	4400-134-A51-7	753F768	4400-134-A51-7	753F768
	12	4400-134-A52-7	753F778	4400-214-A52-7	753F788

Conventional Key Systems

Rim

Rim Cylinders

For use with exit devices and exit device trim.



Type	Tailpiece Length	Pins	Keyway	Finish
3000	058 5/8" 955 and 959 Trims	5 6 (standard) 7	(see pages 31-39)	605
	138 1-3/8" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms			606
	200 2" (std. door)			611
	200N 2" ED4000/ED5000 Night Latch Function			612
	200V 2" vertical tailpiece			613
	312 3-1/2" (thick door)			622
	312V 3-1/2" vertical tailpiece			625
				626
	629			
	630			
	722			
Tailpiece Orientation				
std. = Horizontal				
V = Vertical				

Rim Thumbturn



Type	Tailpiece Length	Pins	Keyway	Finish
3300	138 1-3/8"	N/A	N/A	605
	200 2" (std. door)			606
				611
				612
				613
				622
				625
				626
				629
				630
				722

Interchangeable Core

Key Systems

Fast changeover - new security in seconds!

Options:

- 7-Pin
- VKC (Visual Key Control)
- CKC (Concealed Key Control)
- Construction Master Keying
- Restricted/Protected Keyways
- Pyramid



Interchangeable Core

Advantages

Rekeying can be done by non-technical personnel without removing hardware from the door. When used system-wide, IC provides tremendous rekeying convenience.

When planned from the inception of a system, IC cylinders can be integrated with conventional cylinders.

Applications

IC is recommended for virtually all types of keying systems, such as office buildings, hotels, schools, hospitals and universities. When used in exit devices and other installations which are labor intensive to rekey, IC saves time and money over the life of the building.

Operations

All operating keys (change, master, grand master) operate the lock normally. To rekey, use the special control key. The control key operates at a separate shear line in certain chambers within the core. Only the control key is required to remove and install a core.

Cores

6-pin standard; 7-pin, security and Pyramid optional. Two nickel silver change keys furnished standard per core. Control keys only furnished when ordered.

Key Control

Corbin Russwin cores are available with protected and restricted keyways, patented keyways, security and Pyramid to deter unauthorized key duplication. No orders for patented protected keys, security or Pyramid keys will be shipped for a keying system without a letter of authorization from the end user.

Construction Keying

Corbin Russwin recommends temporary construction cores for greater security. Special construction master keying is also available, when planned from the inception of the keying system. See page 7 for details.

Core Marking

Concealed Key Control (CKC) is available for all Corbin Russwin cores. Visual Key Control (VKC) is available for conventional cores, but not for security or Pyramid cores.

Ordering IC Locksets and Exit Devices


For specific product availability and Quick Codes for cylinder options, see "How to Order" in each catalog section.

Interchangeable Core

How to Order

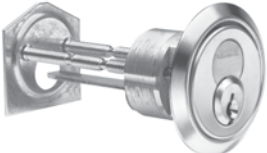
Key Systems

Interchangeable Core Mortise



Core	Function	Length	Cam	Pins	Keyway	Finish	Temporary Construction Core
3 Pyramid	0 Standard	114 1-1/4"	(see page 40)	6 (standard)	(see pages 31-39)	605	CT6 6-pin LFIC
4 SFIC Housing Only (No Core)	1 Uses - E1 suffix for EMK blank Hotel 1-3/8"	138 1-3/8"	A01 Cloverleaf	7 (Not available for 1-1/4", 1-3/8" LFIC and 1-1/4" SFIC housings)		606	CT7 7-pin LFIC
8 Standard		112 1-1/2"	A02 Straight			611	CT6D 6-pin LFIC Disposable
9 Security (6-Pin only)		134 1-3/4"	A03 Adams Rite® MS and DL3000 Deadlock			612	CT7D 7-pin LFIC Disposable
7 LFIC Housing only (no core)	7 Pyramid Security		A04 DL4000			613	CTP Pyramid LFIC
			A05 Adams Rite 4070			622	CTPD Pyramid LFIC Disposable
			A06 Schlage® Cloverleaf			625	CT6SD 6-pin SFIC Disposable
			A07 DL4100			626	CT7SD 7-pin SFIC Disposable
			A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series			629	
						630	
						722	

Interchangeable Core Rim



Core	Function	Tailpiece Length	Pins	Keyway	Finish	Temporary Construction Core
3 Pyramid	0 Standard	058 5/8"	6 (standard)	(see pages 31-39)	605	CT6 6-pin LFIC
4 SFIC Housing Only (No Core)	7 Pyramid Security	114 1-1/4" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms	7		606	CT7 7-pin LFIC
8 Standard		178 1-7/8" (std. door)			611	CT6D 6-pin LFIC Disposable
9 Security (6-Pin only)		178V 1-7/8" vertical tailpiece			612	CT7D 7-pin LFIC Disposable
7 Housing only (no core)		318 3-1/8" (thick door)			613	CTP Pyramid LFIC
		Tailpiece Orientation std Horizontal V Vertical (Not Available for 114 length)			622	CTPD Pyramid LFIC Disposable
					625	CT6SD 6-pin SFIC Disposable
					626	CT7SD 7-pin SFIC Disposable
					629	
					630	
					722	

Key Systems

Core Only



Description	Number	Remarks	EMK Blank
6-pin for CL3129	8001-031	Hotel indicator pin	E8 Suffix
7-pin for CL3129	8001-031-7	Hotel indicator pin	E8 Suffix
6-pin standard	8000	Set to hotel mortise EMK	N/A
6-pin standard	8000EMK	-E1 suffix	
Security	8010EMK	Set to hotel mortise EMK	N/A
Security	8010		-E1 suffix
7-pin	8000-7	Hotel indicator pin	N/A
6-pin for CL3329, CL3629	8001-034	Hotel indicator pin	-E8 suffix
7-pin for CL3329, CL3629	8001-034-7	Hotel indicator pin	-E8 suffix
6-pin for CK4229	8001-042	Hotel indicator pin	-E4 suffix
Security for CK4229	8011-042		-E4 suffix
Pyramid High Security	8020		N/A
Pyramid Security	8027		N/A

Specify Keyway

Finishes: 605, 606, 611, 612, 613, 622, 625, 626

Uncombined cores: Specify "UC". Not applicable for 8000EMK, 8010EMK

Key Systems

Standard Function Security Mortise



Mechanism	Function	Length	Cam (see page 40)	Pins	Keyway	Finish	Uncombined
1 Standard	0 Standard	118 1-1/8"	A01 Cloverleaf	6 -pin only	(see pages 31-39)	605	UC
9 IC (available)	1 Hotel	114 1-1/4"	A02 Straight			606	
1-1/4"	2 Blockout (No IC)	138 1-3/8"	A03 Adams Rite® MS and DL3000 Deadlock			611	
1-3/4"	4 Brink CW (No IC)	112 1-1/2"	A04 DL4000 Deadlock			612	
	5 Brink CCW (No IC)	134 1-3/4"	A05 Adams Rite 4070			613	
		200 2"	A06 Schlage® Cloverleaf			622	
		214 2-1/4"	A07 DL4100			625	
		212 2-1/2"	A92 Exit GripTrim 01 & 02			626	
			A93 Obsolete deadlocks: Corbin® 610 Series and Russwin® 1403 Series			629	
				630			
				722			

Special Function Security Mortise

Hotel Function Security Mortise

Change key and all normal master keys have limited rotation to retract latchbolt only. Emergency Master Key (EMK) and display key turn 360° for additional operation of deadbolt. EMK and display key requires 7-pin key blank for standard cylinders and -E1 suffix blank for IC cylinders.

Blockout Function Security Mortise

This is an access control feature used in applications where temporary blockage of all keys (master, change, etc.) is required. A simple turn of the Blockout Key to the 11 o'clock position blocks normal operation for as long as necessary. When normal access is again desired, insert the Blockout Key and turn it back to the 12 o'clock position. Integration of these cylinders must be planned from the inception of a keying system. Also available in rim version (see page 19).

Brink Function Security Mortise

This function was developed for the minimum security detention market. The change key turns only one direction while the master key turns both directions. Integration of these cylinders must be planned from the inception of a keying system.

Cylinder Number	Description
1011-114-A01*	1-1/4" Cloverleaf cam only
1091-138-A01	IC version 1-3/8"
1071-138-A01	IC housing only

*1011 cylinder not available with D1, D2, L1 or L2 keyways

Cylinder Number	Cam
1012-114-A01	Cloverleaf cam
1012-114-A02	Straight cam
1012-114-A03	DL 3000 Series Adams Rite® MS cam
1012-114-A04	DL4000 Series Deadlock
1012-114-A05	Adams Rite 4070
1012-114-A93	Obsolete 610/1403 Deadlock

Cylinder Number	Change Key	Cam
1014-118-A02	Clockwise	Straight
1015-118-A02	Counter-Clockwise	Straight
1014-118-A05	Clockwise	Brink "CKS"
1015-118-A05	Counter-Clockwise	Brink "CKS"

Folger Adam® NS400 Series x LEK uses A02 cam version.

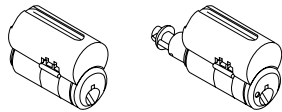
Key Systems

Security Rim



3	0	1	0	-	200	-	6	-	L4	x	Finish	x	Option
Mechanism	Function	Tailpiece Length		Pins	Keyway	Finish	Uncombined						
1 Standard 9 IC	0 Standard 2 Blockout (no IC)	For 3010 Only		6-pin only	(see pages 28-36)	605 606 611 612 613 622 625 626 629 630	UC						
		For IC											
		138	1-3/8" M61& M62 option for ED8200 and obsolete ED9200 exit device alarms					114	1-1/4" M61 & M62 option for ED8200 and obsolete ED9200 exit device alarms				
		200	2" (Std. door)					178	1-7/8" (Std. door				
		200V	2" vertical tailpiece					178V	1-7/8" vertical tailpiece				
		312	3-1/2" (thick door)					318	3-1/8" (thick door)				
		312V	3-1/2" vertical tailpiece										

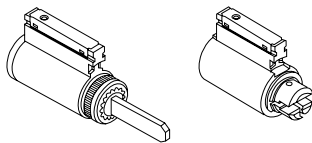
Security Cores Only



Description	Core Number	Remarks	EMK Blank
Standard	8010		N/A
For 1091	8010	EMK Set to hotel mortise EMK	-E1 suffix
For CK4229	8011-042	Hotel indicator pin	-E4 suffix

Specify Keyway. Available uncombined, except 8010EMK.
Finishes: 605, 606, 611, 612, 613, 622, 625, 626, 690

Key-in-Knob/Key-in-Lever



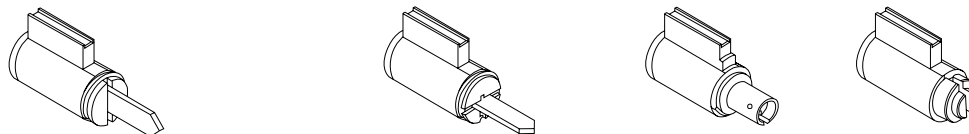
Lockset	Cylinder Number
CL3100	2010-031
CL3300, CL3500, CL3800, CL3600 Series (June 2000 and after)	2010-033
G1055 exit device knob trims	2010-033H
CL3300, CL3600 Series (Prior to June 2000)	2010-034
CL3800 Series (obsolete 1993-1997 model)	2010-038
CL3900 Series	2010-039
CL3900 Series (2", 2-1/4" Thick Door)	2010-039L
B2, G2 Exit Device Knob Trim	2010-051
CK4200 and UT5200 Series	2010-052
CK4229 Hotel Function	2011-052

Specify Keyway. Available uncombined.
Use -E4 suffix for EMK blank. Finishes: 606, 626

DL2200/DL3200 Deadbolts Cylinder

Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
	Cylinder	Tailpiece	Cylinder	Tailpiece
11, 13, 17	4410-134-A51	753F768	4410-134-A51	753F768
12	4410-134-A52	753F778	4410-214-A52	753F788

Other Manufacturers' Products

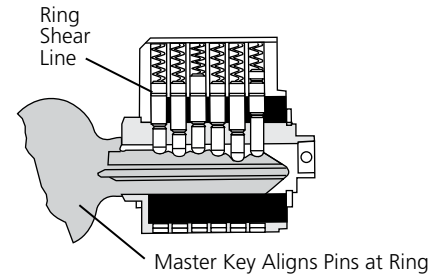
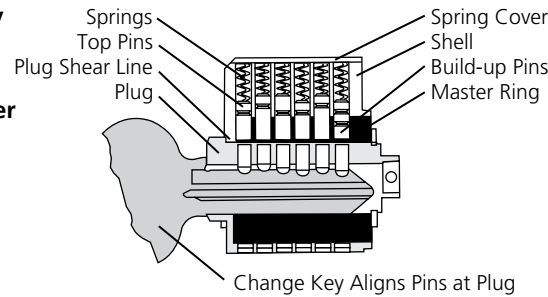


Vertical Tailpiece		Horizontal Tailpiece	
Alarm Lock DL2500 Series	2210-001-A21	Schlage D Series Knobs	2210-002-A21
Arrow® H Series Knobs & Levers	2210-001-A21	Schlage A Series Knobs (PLY, etc.)	2210-002-A22
Arrow Q Series Levers	2210-001-A21	Schlage A Series Knobs (ORB, only)	2210-002-A23
Sargent® 10 line (Enlarge lever hole)	2210-001-A21	Available Uncombined. Finishes: 606, 626	
Schlage® D Series Levers	2210-001-A21	Sargent 7, 8, 9 Line (enlarge knob hole)	2210-008
Schlage AL and ND Series Levers	2210-001-A22	Yale® 5400, 6200 Knobs (enlarge knob hole)	2210-054
Lockwood H Series Knobs (enlarge knob hole)	2210-003-A24		

Master Ring Key Systems

Features and Benefits

- **Greater master keying capacity**
- **Superior keying flexibility**
- **Greater security in each cylinder**



Advantages

6-pin Master Ring keying systems offer keying capacity similar to 7-pin conventional cylinder systems.

There is, however, far greater flexibility for asymmetrical keying systems, because change key combinations do not require any direct relationship to those of master keys. In conventional systems, combinations not needed under a given master key cannot be used elsewhere in the system. In master ring, they can. This frees thousands of combinations for use anywhere within a master ring system.

Since the master keys all have their own shear line, fewer master pins are used, increasing cylinder security. This security enhancement reduces the chances of cylinders being manipulated by stray keys. It also hinders surreptitious entry by picking and impressioning.

When planned from the inception of a keying system, conventional cylinders may be integrated into specific parts of a Master Ring system for areas where the required hardware does not accommodate the large Master Ring cylinders.

Applications

Corbin Russwin Master Ring cylinders are especially recommended for installations which require large and complicated keying systems, such as hospitals and universities.

Field Serviceability

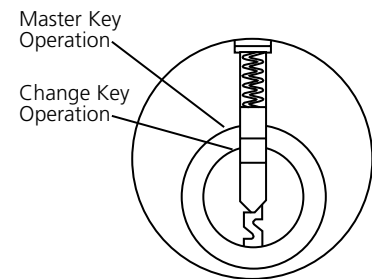
Corbin Russwin Master Ring cylinders are fully field serviceable.

Key Control

Restricted and protected keyways are available.

Construction Master Keying

When planned from the inception of a keying system, construction master keying is available.



Operation

The change key rotates the cylinder plug only. Master keys operate at the master ring, which is a sleeve around the plug.

Cylinder Marking

Visual Key Control (VKC) and Concealed Key Control (CKC) are available for Master Ring cylinders.

Ordering Locksets and Exit Devices with Master Ring Cylinders

For specific product availability and Quick Codes for cylinder options, see "How to Order" in each catalog section.

Master Ring Key Systems

How to Order

Standard Master Ring Mortise

(1-1/2" diameter; .552" diameter plug)



Type	Length	Cam	Pins	Keyway	Finish
1060	100 1" (5-pin only)	(see page 40)	5	(see pages 31-39)	605
	118 1-1/8"	A61 Cloverleaf*	6 (standard)		606
	114 1-1/4"	A62 Straight	7 (Available 1-3/8" only)		611
	138 1-3/8"	A63 Large Short			612
	112 1-1/2"	A64 Large Long			613
	134 1-3/4"	A65 Cloverleaf (formerly 11A)			618
	200 2"				619
	214 2-1/4"				622
	212 2-1/2"	*A61 is for locks made after 5/93; requires thumbturn hub			625
	234 2-3/4"				626
	300 3"	562F41-2			722

Flexible Head Master Ring Mortise

(1-1/2" diameter; .552" diameter plug)



Type	Length	Cam	Pins	Keyway	Finish
1160	100 1" (6-pin only)	(see page 40)	5	(see pages 31-39)	605
	118 1-1/8"	A61 Cloverleaf*	6 (standard)		606
	114 1-1/4"	A62 Straight			611
		A63 Large Short			612
		A64 Large Long			613
		A65 Cloverleaf (formerly 11A)			618
					619
		*A61 is for locks made after 5/93; requires thumbturn hub			622
					625
					626
		562F41-2			722

Dummy Master Ring Mortise



Cylinder Number	Length
1460-118	1-1/8"
1460-114	1-1/4"
1460-138	1-3/8"
1460-112	1-1/2"

Finishes: 605, 606, 611, 612, 613, 618, 619, 622, 625, 626, 722

Master Ring Rim

(1-1/2" diameter; .552" diameter plug)

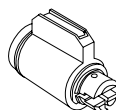
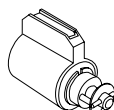
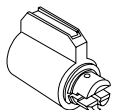


Cylinder Number	Description
3060-200	Standard horizontal tailpiece
3060-312	Thick door, horizontal tailpiece
3060-200V	Vertical tailpiece
3060-312V	Thick door, vertical tailpiece

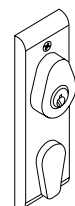
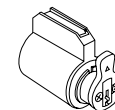
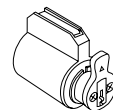
Finishes: 605, 606, 611, 612, 613, 618, 619, 622, 625, 626, 722

CK4200 & UT5200 Series Lockset

Specify keyway (.552" diameter plug)



Exit Device Operators



Standard Cylinder 2060-052	With Indicator Pin for CK4229 Hotel 2061-042	Discount. Ronde & Continental Knob 2160-052	For ED6800 x B5 or B6 For ED7400 x 03 or 04 4266-001-A02	For ED6800 x 01 or 02 4266-001-A92
Finishes: 606, 626			Finishes: 606, 626	

Key Systems

Description

Pyramid, Corbin Russwin’s patented security cylinder, is the most secure locking system available. Pyramid cylinders are available in both high security and security versions. The high security version is certified by Underwriters Laboratories to UL437 standards.

Applications

Especially recommended for installations requiring superior protection against picking, drilling and other surreptitious entry. Ideally suited for Educational and Healthcare facilities, Industrial and Commercial buildings.

System Administration & Key Control

Key control will be maintained through compliance with Corbin Russwin’s Security Policy: for a copy contact Key Systems Administration or visit our web site at www.corbinrusswin.com. A Pyramid owner’s binder will be forwarded directly to the designated systems administrator with each new system. Included in this binder are catalogs as well as system-specific, sequentially coded registration certificates. A registration certificate must accompany each order that is submitted to Corbin Russwin.

Product Specification

All cylinders shall employ a patented locking mechanism that requires the use of a patented key and is furnished with a minimum of 7 pins. High Security cylinders shall meet the requirements of UL437. Interchangeable cores shall meet the drill resistance and pick resistance of UL437.

Keys shall be nickel silver and furnished with a large bow.

Certifications

BHMA A156.5 Grade-1

E09211A* (Mortise)

E09221A* (Rim)



1. UC cylinders are supplied, less keys, pins, springs and pin covers.
2. When cylinders are ordered with locks.
3. Pyramid cores to be ordered as a separate line item.

Features	Benefits
<ul style="list-style-type: none"> • Utility patent 6,125,674 (expiring 2018) 	<ul style="list-style-type: none"> • The ultimate protection against unauthorized key duplication
<ul style="list-style-type: none"> • Available with high-security protection (UL437) 	<ul style="list-style-type: none"> • Underwriters Laboratory listing for resistance to picking & drilling
<ul style="list-style-type: none"> • 7-pin 	<ul style="list-style-type: none"> • Greater master keying capabilities • Uses existing 6-pin interchangeable core housings • 1-1/4" (32mm) length for mortise cylinders
<ul style="list-style-type: none"> • Available with stainless steel pins 	<ul style="list-style-type: none"> • Drill and pick resistant
<ul style="list-style-type: none"> • Large key bow 	<ul style="list-style-type: none"> • Easy handling & special stamping options
<ul style="list-style-type: none"> • Thicker and stronger nickel silver keys 	<ul style="list-style-type: none"> • Ideally suited for high usage & abusive applications
<ul style="list-style-type: none"> • User friendly 	<ul style="list-style-type: none"> • No expensive dedicated equipment necessary for key cutting

E09231A* (Bored Lock Cylinders)
*A (suffix) refers to cylinders of pick and drill resistance.

UL Underwriters Laboratories Inc.
(UL437)BP8976
1020, 2020, 3020 Fixed Core (FC) series only

Finishes

Pyramid cylinders are available in all Corbin Russwin standard finishes.

Keying

7 pin with two nickel silver change keys per cylinder. Pyramid cylinders may be uncombined (specify UC)¹, master or grand master keyed to a specific facility.

Keys shipped separately for master keyed cylinders.

System Specifications

- Pyramid systems are independent and cannot be keyed into existing and/or conventional systems.
- Pyramid cylinders are to be keyed to factory-generated bittings only.
- Cross keying is not available.

Key Discard Policy & Warranty

See page 49.

Construction Master Keying

Pyramid cylinders are not available construction master keyed. Interchangeable core jobs can be furnished with temporary construction cores. Temporary construction cores will be unrelated to the permanent system’s master key. When the permanent cores are installed, the temporary construction cores are returned to Corbin Russwin for credit.

How to Order Example

1. Mortise lock with temporary construction core
Qty. - ML2051 - LSA - 626 - RHR - CTP
2. Mortise cylinder with temporary construction core
Qty. - 1080-114-A01-626-CTP
3. Permanent core ordered separately
Qty. - AA1 - 8020 - 626

Pyramid Quick Codes²

- PS Pyramid Security Fixed Core
- PCS Pyramid Security Interchangeable Core
- PHS Pyramid High Security Fixed Core
- PCHS Pyramid High Security Interchangeable Core
- CTP³ Pyramid with Temporary Construction Core
- CLP³ Pyramid Less Core

Key Systems

Performance Features

Shell

- Locking pin mechanism
- Hard metal inserts

Key

- Control pin

Plug

- Blocking plate
- Hard metal inserts

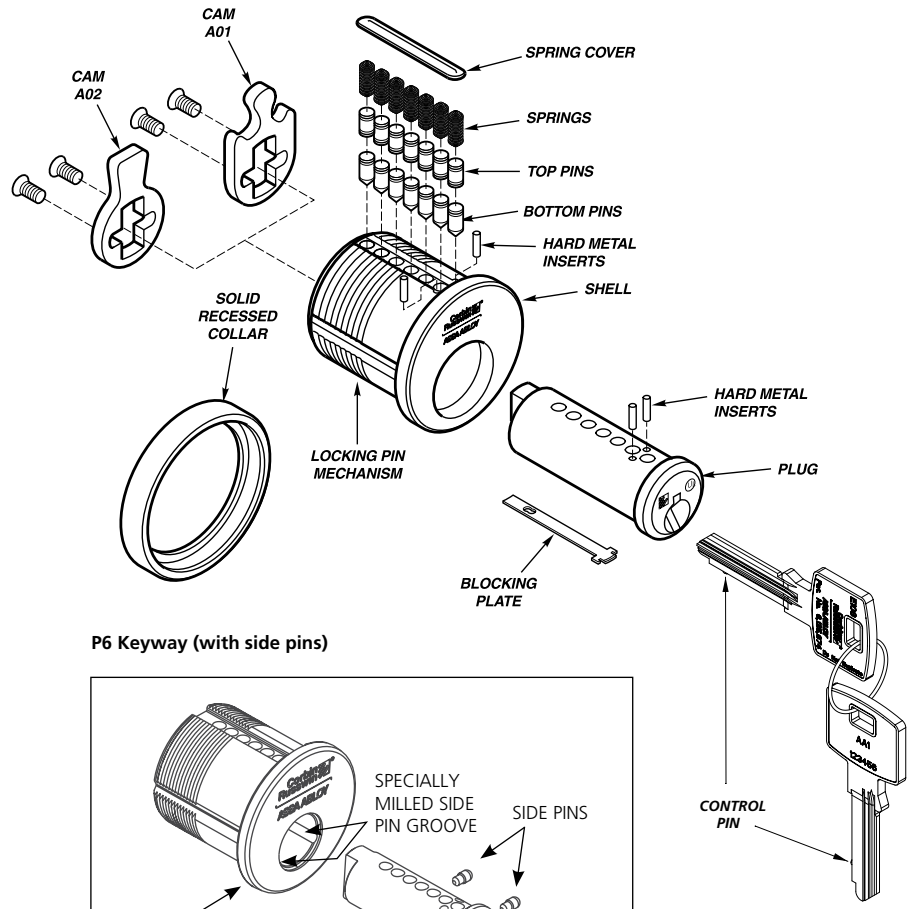
Pins & Springs

- Hardened stainless steel pick-resistant bottom pins*
- Hardened stainless steel pick-resistant top pins*
- Hardened stainless steel pick-resistant master pins (if required)*
- Hardened stainless steel pick-resistant build-up pins (if interchangeable core)*
- Springs

Collar

- Solid recessed (mortise)

* Hardened stainless steel pins used for UL437 High Security versions only. Pyramid Security version uses nickel silver bottom pins and brass master, build-up and top pins.

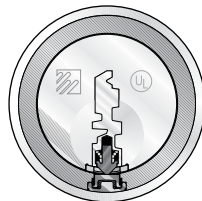


Operation



Without Key

Locking pin mechanism engages blocking plate and prevents the plug from turning.


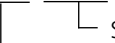
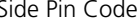



With Key

Key's control pin depresses the locking pin mechanism and allows the plug to turn.

Key Systems

Keys

- Nickel silver
- Key Bow Type 28
- Ordering example: 7PIN-28-XXXX

- Ordering example P6 Keyway:
 7PIN-28-XXXX-SPCXX




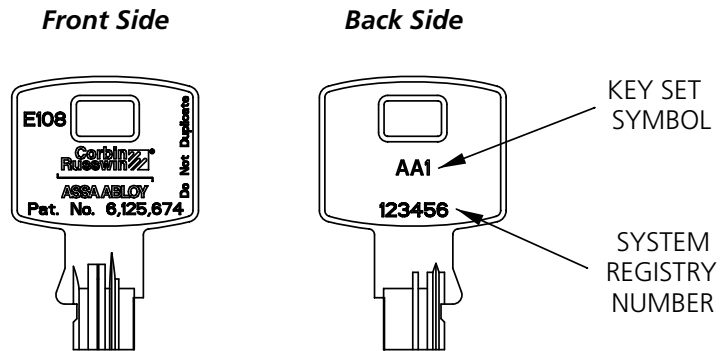
Back Side Stamping & Options

- Key set (VKC1), standard – unless otherwise indicated
- System registry number will be stamped on upper-level keys unless otherwise indicated
- Concealed key control (CKC2) available on cylinders
- Visual key control (VKC2 and VKC3) not available on cylinders. CKC3 also not available.

Note: Refer to Corbin Russwin's general catalog and price book for complete detailed information.

Keyway Security

Pyramid keyways will be determined by the supervisor of Key Systems Administration. Assignment will be based on the overall system requirements and geographic location to provide maximum protection to the owner. For security reasons, the keyway profiles are not shown.



Mortise Cylinders

Mortise Locks/Deadlocks

Mortise Locks/Deadlocks

For use with all Corbin Russwin ML2000, ML2000HS and ML2200 (discontinued) mortise locks. DL4000 & DL3000 Series Deadlocks.



Conventional
Fixed Core
(FC)



Interchangeable Core
(IC)

Mortise Exit Devices

For use with ED7600 and ED6600 devices.

Type	Length	Cam	Finish
1020 - High Security Mortise	1020/1027 - Non-IC (Fixed Core) 114 - 1-1/4" (32mm) 112 - 1-1/2" (38mm) *See note #3	A01 - Cloverleaf	605 - Bright Brass
1027 - Security Mortise		A02 - Straight	606 - Satin Brass
1030 - High Security IC Mortise complete	1030/1037/1070 IC 114 - 1-1/4" (32mm) 138 - 1-3/8" (35mm) 112 - 1-1/2" (38mm) 134 - 1-3/4" (44mm)	A03 - Adams Rite® MS	611 - Bright Bronze
1037 - Security IC Mortise complete		A04 - DL4000 Series	612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed
1070 - Housing only		A05 - Adams Rite® 4070	618 - Bright Nickel Plated
		A06 - Schlage® Cloverleaf	619 - Satin Nickel Plated
		A07 - DL4100	622 - Flat Black Coated
		A62 - 900 KRM Straight	625 - Bright Chromium Plated
	A92 - See note #1	626 - Satin Chromium Plated	
	A93 - See note #2	629 - Bright Stainless Steel	
		630 - Satin Stainless Steel	
		722 - Black oxidized bronze, oil rubbed	

Note #1 - Not available IC

Note #2 - For obsolete Corbin® 610 and Russwin® 1403 series deadlocks

Note #3 - For ML2000 applications with door thickness exceeding 2-1/2" up to 3" in thickness, use IC cylinders.

How to Order Examples

High Security Mortise Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Cam	Finish
50	AA1	1020	114	A01	605

Mortise Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keyset	Cylinder	Length	Cam	Finish
50	AA1	1037	114	A01	605

Mortise Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code
50	AA1	ML2051	LSA	626	RHR	PHS (PS for Security version)

Mortise Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code
50	AA1	ML2051	LA	626	RHR	PCHS (PCS for Security version)

Exceptions

Pyramid cylinders are not available for the following: ML2029, ML2029HS, ML2029VR, ED7600 - applications over 2-1/4" thick, ED6600 - applications over 1-3/4" thick.

Key Systems

Rim Cylinders

For use with exit devices and exit device trims.



Conventional Fixed Core (FC)



Interchangeable Core (IC)

Type	Length	Availability		Finish
		FC	IC	
3020 - High Security Rim Cylinder	058-5/8" (16mm) Tailpiece	X	X	605 - Bright Brass
	114 - 1-1/4" (32mm) M61 & M62 option for ED8200 and ED9200 exit device alarms		X	606 - Satin Brass 611 - Bright Bronze
	138 - 1-3/8" (35mm) M61 & M62 option for ED8200 and Obsolete ED9200 exit device alarms	X		612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed
	178 - 1-7/8" (48mm) (Std. Door)		X	618 - Bright Nickel Plated
	178V - 1-7/8" (48mm) vertical		X	619 - Satin Nickel Plated
	200 - 2" (51mm)	X		622 - Flat Black Coated
	200N - 2" (51mm) ED4000/ED5000 Night Latch Function	X		625 - Bright Chromium Plated
	200V - 2" (51mm) vertical	X		626 - Satin Chromium Plated
	312 - 3-1/2" (89mm)	X		629 - Bright Stainless Steel
	312V - 3-1/2" (89mm) vertical	X		630 - Satin Stainless Steel
3027 - Security Rim Cylinder	178 - 1-7/8" (48mm) (Std. Door)		X	722 - Black oxidized bronze, oil rubbed
3030 - High Security IC Rim Cylinder	200 - 2" (51mm)	X		
3037 - Security IC Rim Cylinder	200N - 2" (51mm) ED4000/ED5000 Night Latch Function	X		
3070 - Housing only	200V - 2" (51mm) vertical	X		
	312 - 3-1/2" (89mm)	X		
	312V - 3-1/2" (89mm) vertical	X		
	318 - 3-1/8" (79mm)		X	

How to Order Examples

High Security Rim Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Finish
50	AA1	3020	200	605

Rim Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keyset	Cylinder	Length	Finish
50	AA1	3037	178	605

Exit Device with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code
50	AA1	ED5200	L955	630	RHR	PHS (PS for Security version)

Exit Device with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code
50	AA1	ED5200	L955	630	RHR	PCHS (PCS for Security version)

Key Systems

Key-in-Lever / Knob Cylinder

For use with Corbin Russwin CL3100, CL3300, CL3500, CL3700, and CL3800 lever locks, CK4200 and CK4700 knob locks and UT5200 unit locks. 2020/2027 series cylinders can also be used on CL3400, CL3600, CL3800 and CL3900 (discontinued) locks.



Conventional
Fixed Core
(FC)



Interchangeable Core
(IC)

Type	Lockset Series	Finish
2020 - High Security Key-in-Lever/Knob	031 - CL3100 Lever	606 - Satin Brass 626 - Satin Chromium Plated
	033 - CL3300, CL3500, CL3600 (June 2000 and after) and CL3800 Lever	
	033H - G10 Exit Device Knob Trim	
	034 - CL3400 Lever - CL3600 Lever (Before June 2000) A5, N5 Obsolete ED8000 Trims	
	037 - CL3700 Lever - CK4700 Knob	
2027 - Security Key-in-Lever/Knob	038 - CL3800 Lever (Manufactured 1993-1997)	
	039 - CL3900 Lever (1-3/8" - 1-3/4" door)	
	039L - CL3900 Lever (2" - 2-1/4" door)	
	051 - G3 Exit Device Knob Trim	
	052 - CK4200 Knob - UT5200 Knob and Lever	

Key-in-Lever/Knob for other Manufacturers' Products

Cylinder Descriptions			
High Security (PHS)	Security (PS)	Tailpiece Orientation	Used for:
2220-001-P21	2227-001-P21	Vertical	Schlage® D Series Levers Arrow H® Series Knobs and Levers Sargent® 10 line (Enlarge Lever Hole)
2220-002-P21	2227-002-P21	Horizontal	Schlage® D Series Knobs
2220-001-P22	2227-001-P22	Vertical	Schlage® AL and ND Series Levers
2220-002-P22	2227-002-P22	Horizontal	Schlage® A Series Knobs (Ply, etc.)
2220-002-P23	2227-002-P23	Horizontal	Schlage® A Series Knobs (ORB only)

DL2200/DL3200 Deadbolts Cylinder

Cylinder Type	Function	1-3/8" or 1-3/4" (Standard)		2" or 2-1/4"	
		Cylinder	Tailpiece	Cylinder	Tailpiece
High Security (PHS)	11, 13, 17	4420-134-A51	753F768	4420-134-A51	753F768
	12	4420-134-A52	753F778	4420-214-A52	753F788
Security (PS)	11, 13, 17	4420-134-A51-7	753F768	4420-134-A51-7	753F768
	12	4420-134-A52-7	753F778	4420-214-A52-7	753F788

How to Order Examples

High Security Component Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Lockset Series	Finish
50	AA1	2020	033	626

Cylindrical Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Pyramid Quick Code
50	AA1	CL3357	PZD	626	PHS (PS for Security version)

Cylindrical Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Pyramid Quick Code
50	AA1	CL3357	PZD	626	PCHS (PCS for Security version)

Exceptions

Pyramid cylinders are not available for the following: CL3329, CL3629, CK4229, CK4451, CK4455, CK4457, CK4429, CK4482, DL2100 series, DL3100 series.

Pyramid

Interchangeable Core

Key Systems

Interchangeable Core

For use with Corbin Russwin's 6-pin Interchangeable Core housings & shells.*



Type	Finish
8020- High Security IC core*	605
	606
	611
8027- Security IC core*	612
	613
	622
	625
	626
	722

* **Note:** Corbin Russwin 6-pin Interchangeable Core housings 1070 (mortise) & 3070 (rim) will accept 8020/8027 cores.

How to Order Examples

Security Interchangeable Core Ordered Separately

Quantity	Keypad	Cylinder	Finish
50	AA1	8027	605

Padlocks

Used with Pyramid Interchangeable Cores.
PL5030, PL5130, PL5230, PL5037, PL5137, PL5237

How to Order Examples

Padlock with a Pyramid High Security(8020) Interchangeable Core Cylinder

Quantity	Keypad	Series/Function	Shackle Length
50	AA1	PL5030	258

*Refer to general catalog for miscellaneous options.

Padlock with a Pyramid Security(8027) Interchangeable Core Cylinder

Quantity	Keypad	Series/Function	Shackle Length*
50	AA1	PL5037	258



Deadlocks

Used with Pyramid mortise cylinders. (DL3000 and DL4000)
Available in all standard finishes.

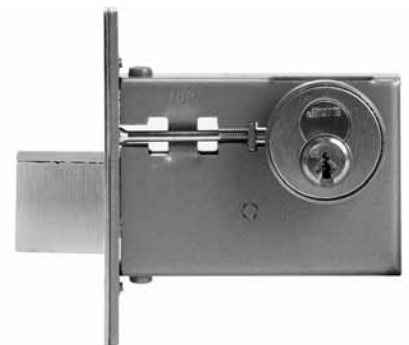
How to Order Examples

Deadlock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keypad	Series/Function	Finish	Hand	Pyramid Quick Code
50	AA1	DL4013	626	RHR	PHS (PS for Security version)

Deadlock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keypad	Series/Function	Finish	Pyramid Quick Code
50	AA1	DL4013	626	PCHS (PCS for Security version)



Bump Resistant Cylinders

Key Systems

Protect your building from unwanted entry with Corbin Russwin bump-resistant cylinders. Our bump-resistant cylinders deter bumping without compromising the cylinder's structural integrity and strength. This option is available with Corbin Russwin conventional and Pyramid patented security and high-security cylinders on our mortise, cylindrical and exit device hardware.

Recently, a lot of information has been circulating about bumping, a technique used to defeat cylinders. Although this method has been around for a number of years, the internet has increased public awareness. Bumping is when a "bump key" is inserted into the cylinder and struck using a mallet or hammer type object. The bump key is specifically designed to transfer the energy from the force of the blow to create a separation in the cylinder's pins which compromises the lock allowing it to open.

Although BHMA has yet to establish bump-resistance standards, Corbin Russwin Bump Resistant Cylinders were tested and verified by an independent testing lab. They conclusively resisted bumping attack and did not allow entry. Verification and testing data is available upon request.

Bump-Resistant Cylinders:

- Specify "BRP"

Retrofit:

- Convert existing cylinders with Bump-Resistant Top Spool Pins

Features

Bump-resistant cylinders are designed for use with all Corbin Russwin locking hardware:

- Cylindrical locks
- Mortise locks
- Exit devices
- Access control locks
- Unit locks
- Auxiliary locks

Factory bitted, a symbol BRP is stamped onto pin cover/slides. Interchangeable core cylinders are not available with bump-resistant pinning.



BRP pinned mortise cylinder



BRP pinned rim cylinder



BRP pinned key-in-lever cylinder

Bump-Resistant Top Spool Pins

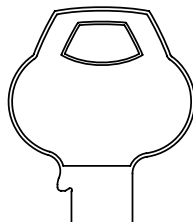
Description	Part Number	Qty
Conventional	628F10-7-171	Vials of 100 pcs.
Pyramid A	628F10 - 7 - 142	Vials of 100 pcs.
Pyramid C	628F10 - 7 - 236	Vials of 100 pcs.

L4	-	6-Pin	-	1	-	0
Key Sections (see pages 31-40)	Length Indicate 5-, 6-, 7-pin		Bow Shape 1 Standard 5 Large 9 Security	Bow Marking 0 Coined Logo 1 Plain 2 DND 3 US property DND 9 Restricted DND		

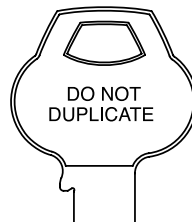
Standard Bows



10
The standard bow furnished for all non-restricted keyways unless otherwise specified. The other side is blank.
Example: L4-6PIN-10.



11
Blank both sides, for use when more area is required for stamping, such as custom die stamps. Not for use with restricted keyways.
Example: L4-6PIN-11.



12
This bow enhances key control for non-restricted Corbin Russwin keyways. Other side blank. Example: L4-6PIN-12.



13
For use only on U.S. Government projects. Example: L4-6PIN-13.

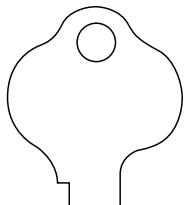
Protected and Restricted Keys

10, 50 and 90 bow shapes are designated as 19, 59 and 99 for protected and restricted keyways. They are stamped this way on the thumb side. Other side blank.

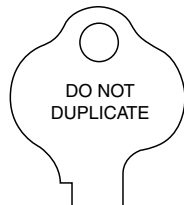
RESTRICTED
DO NOT
DUPLICATE

This stamp is not available for keys which are not protected and or restricted. Protected keyway keys will be stamped restricted.

Large Bows



51
Blank both sides. Recommended for special die stamps or large amounts of stamping, and for Control and Emergency Master Keys. Not available for 752, 852 or A Class keyways. Example: L4-6PIN-51.



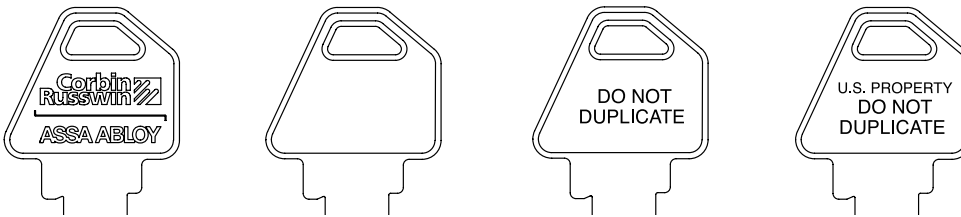
52
Recommended for non-restricted keys which need extra space for special stamping. This bow also enhances key control for other Corbin Russwin keys. Not available for 752, 852 or A Class keyways. Example: L4-6PIN-52.



53
For use only on U.S. Government projects. Recommended for use when a large amount of stamping is required. Not available for 752, 852 or A Class keyways. Example: L4-6PIN-53.

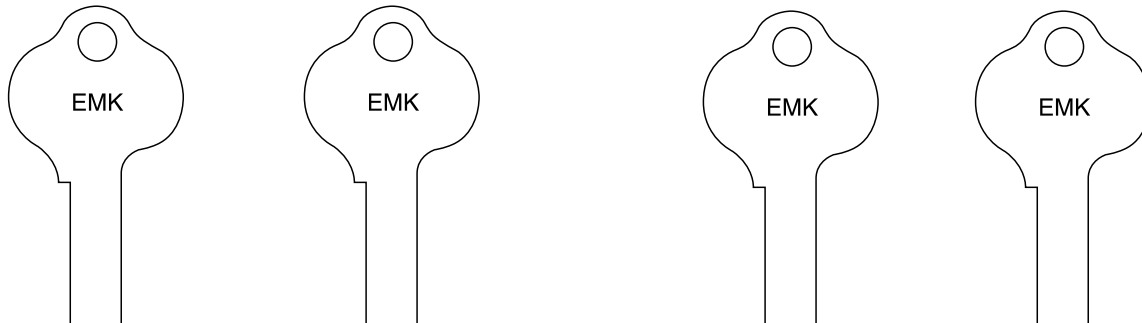
Security Bows (Inactive - for Existing Systems Only)

- | | | | |
|---|---|---|---|
| <p>90
Standard bow for security keys. Example: L4-6PIN-90.</p> | <p>91
Blank both sides for security keys where extra stamping is required. Not for use with restricted keyways. Example: L4-6PIN-91.</p> | <p>92
This bow enhances key control for non-restricted security keys. Other side blank. Example: L4-6PIN-92.</p> | <p>93
For use only on security keys for U.S. Government projects. Example: L4-6PIN-93.</p> |
|---|---|---|---|



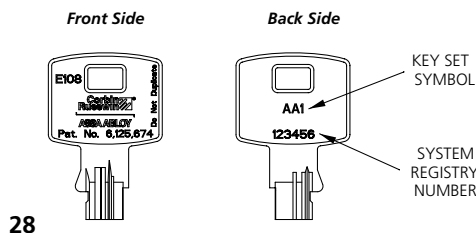
Hotel Security Key Blanks

Standard hotel function mortise cylinders 1001 and 1011 use 7-pin Emergency Key blanks. The 51 bow is suggested e.g., L4-7PIN-51. All other Corbin Russwin hotel function cylinders require keys with a special undercut tip. The four variations are shown below.



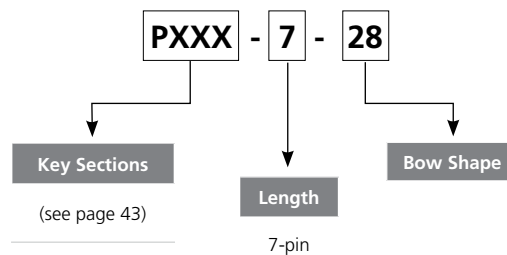
- | | | | |
|---|--|---|---|
| <p>-E1 Suffix
For interchangeable core mortise cylinder 1081 (conventional) and 1091 (security). Available 6-pin only. Examples: L4-6PIN-51-E1 or L4-6PIN-90-E1.</p> | <p>-E8 Suffix
For CL3329 and CL3629 and obsolete CL3429 key-in-lever locksets, fixed core and IC. Available 6- and 7-pin. Example: L4-6PIN-51-E8.</p> | <p>-E4 Suffix
For CK4229 locksets, fixed core and IC, conventional and security. Also for CK4429. Available 5- or 6-pin. Examples: L4-6PIN-51-E4 or L4-6PIN-90-E4.</p> | <p>-E5 Suffix
For obsolete 1429, 3333EM, 4333EM and 5629 key-in-knob locksets. Available 5- and 6-pin. Example: L4-6PIN-51-E5.</p> |
|---|--|---|---|

Pyramid Bow



28
Standard bow furnished for all Pyramid keys.

Ordering Example



Key Systems

Multiplex/Simplex Keyways

Multiplex keyways can be used together to expand a keying system. A simplex keyway is independent, stands alone and cannot be tied into any other keyway to expand a keying system.

All/Multi-Section/Single Section Keys

All/Multi-section keys can be used on more than one cylinder with different sections. For example: a key cut on the L41 multi-section keyblank will pass cylinder in the L1, L2, L3 and L4 keyways. Single section keys can be used with cylinders of the same section. For example: a key cut on the L4 single section keyblank will only pass a cylinder in the L4 keyway.

Active Keyways

Keyways which are available for new Corbin Russwin keying systems are considered active. In the case of new master key systems, the factory reserves the right to select the keyway from a range of standard keyways, based on usage in a particular geographical area.

Inactive Keyways

Many older Corbin Russwin keyways are designated inactive. **No new systems** shall be established on these keyways. However, they continue to be available to support existing keying systems.

Restricted Keyways

For security reasons, these keyway profiles are not shown.

Protected Keyways

Key Systems Administration reserves the final decision as to which protected keyway family will be selected. A notice of acceptance showing the facilities name, address and contact information is required before orders can be processed. For security reasons, these keyway profiles are not shown.

Pyramid Keyways

Pyramid keyways are only available for Pyramid cylinders and separate specifications are used from conventional Corbin Russwin keying systems. New systems for Pyramid require a Notice of Acceptance document to be on file with Key Systems Administration. All orders for Pyramid must have a system specific Registration Certificate attached and all products must ship directly to the end user unless a quantity - specific Letter of Authorization accompanies the purchase order. For security reasons, these keyway profiles are not shown.

Bitting Classes

Corbin Russwin has several sets of dimensional standards for bitting (cutting) keys. If the wrong specifications are used when making keys on code machines in the field, they will not operate in conjunction with factory supplied cylinders and keys. The bitting class is given for each group of keyways. All bitting specs are available in the Corbin Russwin cylinder manual.

L Series (Corbin Russwin)

4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.
Reverse of D Series.

Security

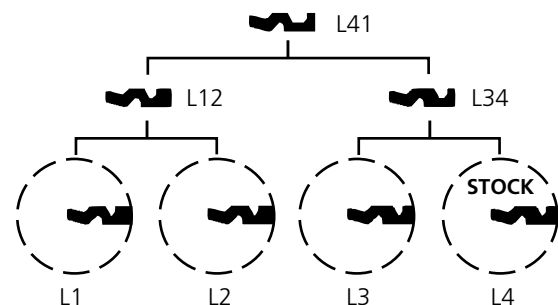


Available

All-Section Key

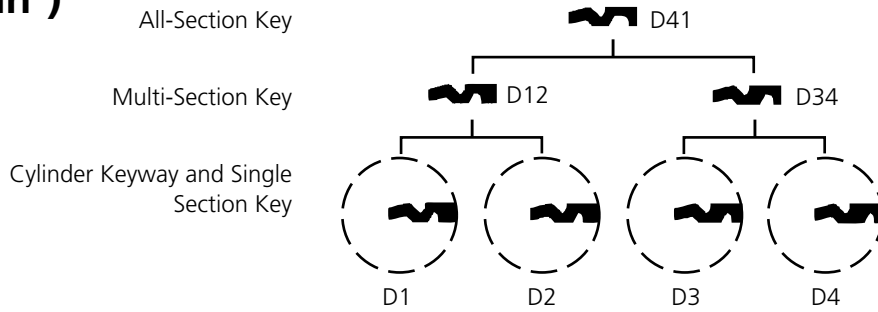
Multi-Section Key

Cylinder Keyway and
Single Section Key



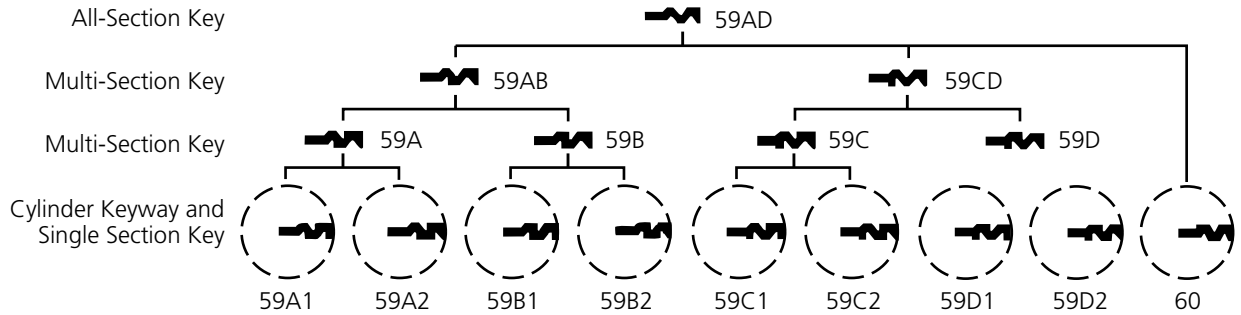
D Series (Russwin®)

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



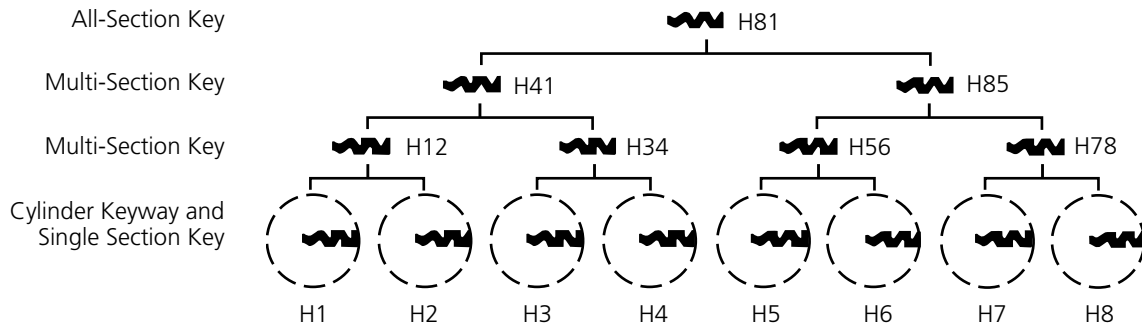
59 Series (Corbin®)

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



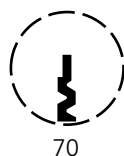
H Series (Russwin)

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



70 Series (Corbin)

Simplex Keyway.
Z Class bitting.
Reverse of 60.

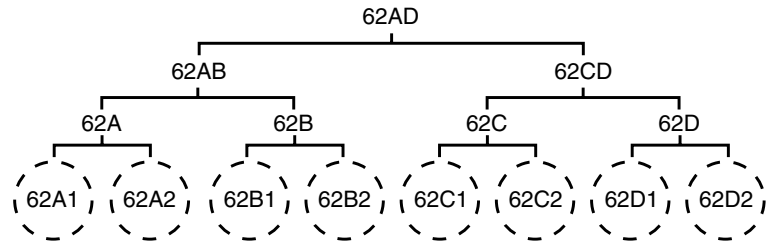


Key Systems

62 Series (Restricted)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

- All-Section Key
- Multi-Section Key
- Multi-Section Key
- Cylinder Keyway and Single Section Key



Security

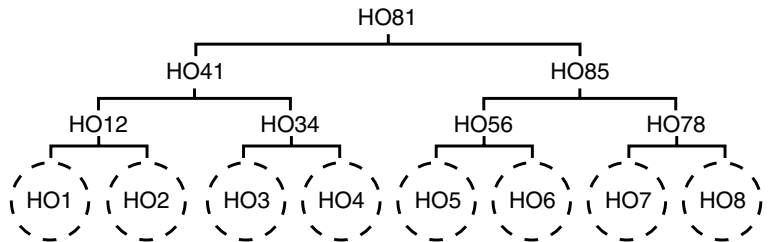


Available

HO Series (Restricted)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
DH Class bitting.

- All-Section Key
- Multi-Section Key
- Multi-Section Key
- Cylinder Keyway and Single Section Key



Security



Available

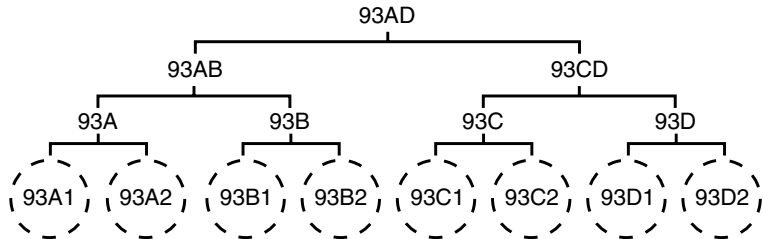
Keyways

Key Systems

93 Series (Protected)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

- All-Section Key
- Multi-Section Key
- Multi-Section Key
- Cylinder Keyway and Single Section Key



Security

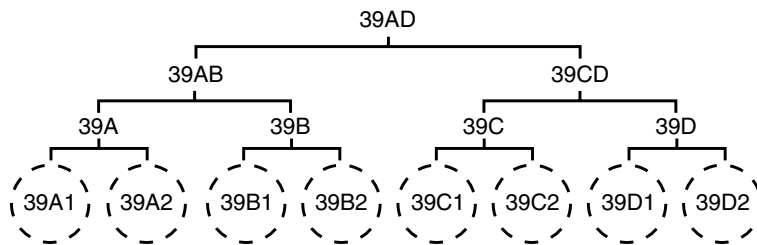


Available

39 Series (Protected)

Keyway profiles not shown for security reasons.
8 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

- All-Section Key
- Multi-Section Key
- Multi-Section Key
- Cylinder Keyway and Single Section Key



Security

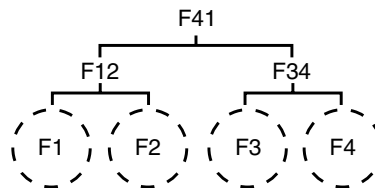


Available

F Series (Protected)

Keyway profiles not shown for security reasons.
4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting

- All-Section Key
- Multi-Section Key
- Cylinder Keyway and Single Section Key



Security

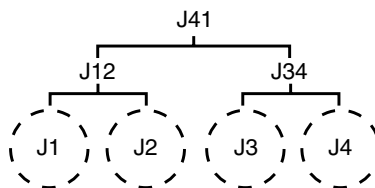


Available

J Series (Protected)

Keyway profiles not shown for security reasons.
4 keyway multiplex system.
Available 5-, 6- and 7-pin.
Z Class bitting.

- All-Section Key
- Multi-Section Key
- Cylinder Keyway and Single Section Key



Security



Available

Keyways

Corbin® X Class

Key Systems

57 Series

8 keyway multiplex system. All-Section Key
Available 5-, 6-, and 7-pin.
X Class bitting.

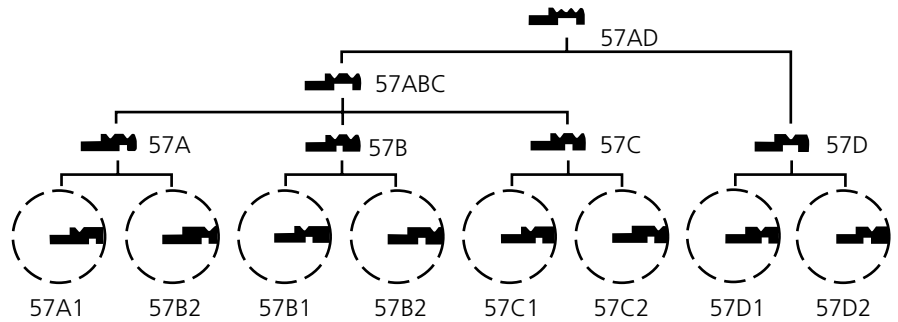
Reverses

57A1	27B2
57A2	27B1
57B1	27A2
57B2	27A1

Multi-Section Key

Multi-Section Key

Cyl. Keyway and
Single Section Key



Security



Not Available

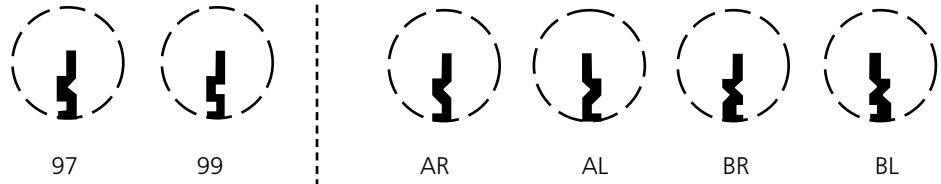
Simplex Keyways

6 independent keyways.
Available 5-, 6- and 7-pin.
X Class bitting.

Security



Not Available



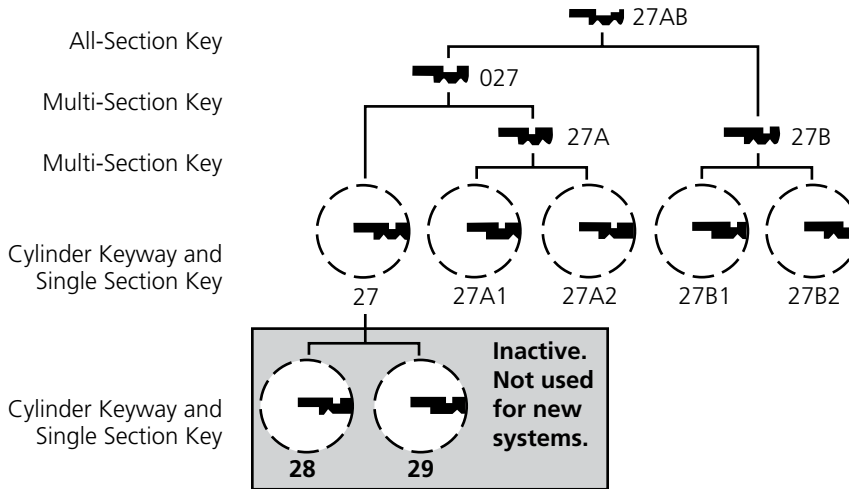
Key Systems

27 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.

Reverses

27A1 57B2
27A2 57B1
27B1 57A2
27B2 57A1



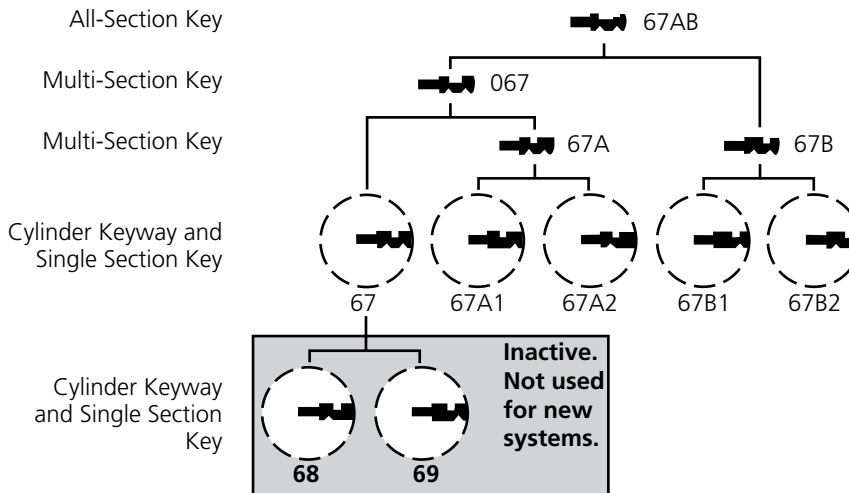
Security



Not Available

67 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.
Reverse of 77 Series.



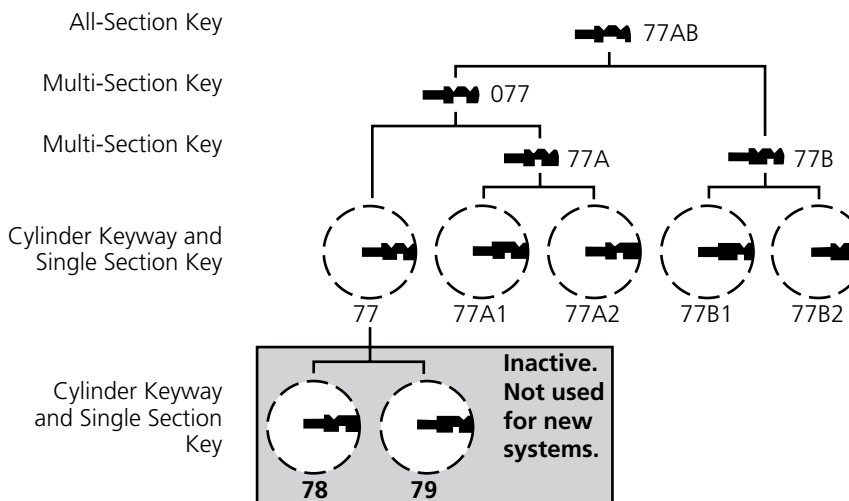
Security



Not Available

77 Series

7 keyways total (5 active).
Available 5-, 6- and 7-pin.
X Class bitting.
Reverse of 67 Series.



Security



Not Available

Keyways

Russwin® Inactive

Key Systems

981 Series

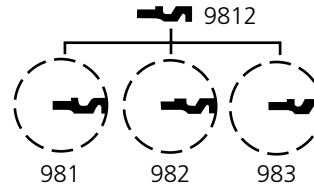
3 keyway multiplex system.
Available 5-, 6- and 7-pin.
981 Class bitting.

Security



Not Available

All-Section Key
Cylinder Keyway and
Single Section Key



Former 6-pin Designations	961	962	963
Former 7-pin Designations	971	972	973

N Series (Obverse)

14 keyways total: N1- N14.
Available 5-, 6- and 7-pin.
N Class bitting.

Former Designations

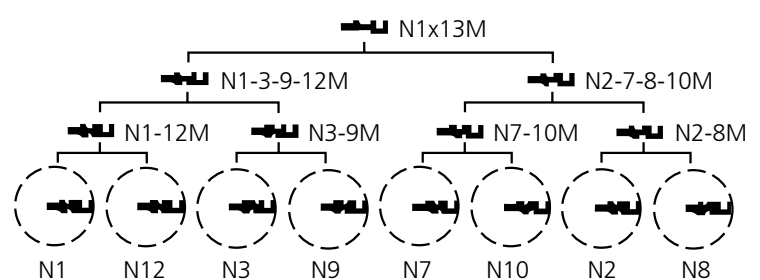
6-pin: 1N-14N
5- and 7-pin: 1K-14K

Security

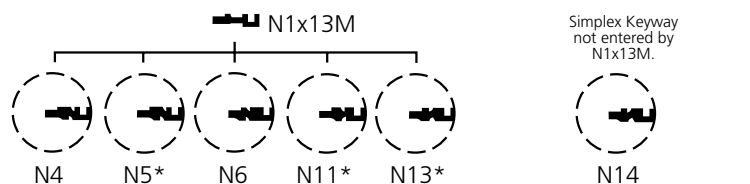


Not Available

All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and
Single Section Key



All-Section Key
Cylinder Keyway and
Single Section Key



*NOTE: Do not use these pairs in the same keying system with each other: N1 with N13; N3 with N5; N7 with N11

N Series (Reverse)

14 keyways total: N15- N28.
Available 5-, 6- and 7-pin.
N Class bitting.

Former Designations

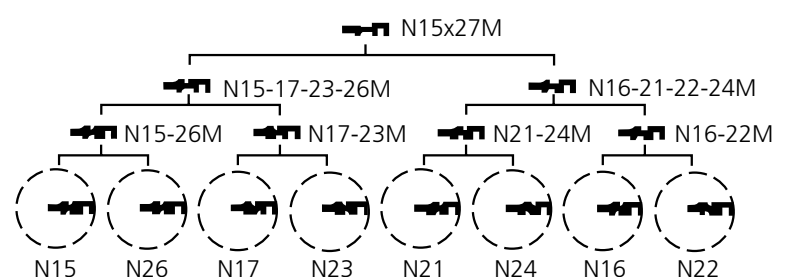
6-pin: 15N-28N
5- and 7-pin: 15K-28K

Security

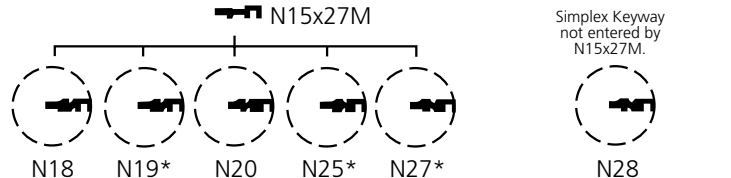


Not Available

All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and
Single Section Key



All-Section Key
Cylinder Keyway and
Single Section Key

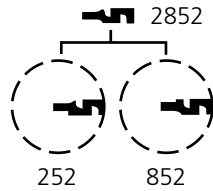


*NOTE: Do not use these pairs in the same keying system with each other: N15 with N27; N17 with N19; N21 with N25

Key Systems

852 Series

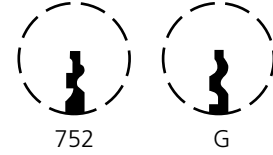
2 keyway multiplex system.
5-pin standard, 6-pin special.
Available with 10 Series
bows only.
No hotel function cylinders.



Simplex Keyways

5-pin only

752 uses 752 Class bitting
G uses 852 Class bitting
Available with 10 Series bows only.
No hotel function cylinders.



Security



Not Available

A Series (Obverse)

12 keyways: A1-A12.
5-pin standard, 6-pin special.
Available with 10 Series
bows only.
A Class bitting.
No hotel function cylinders.

All-Section Key

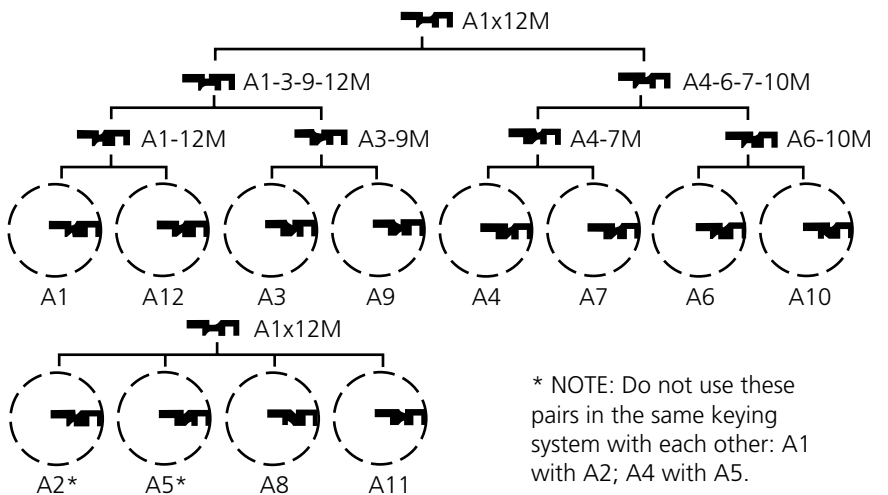
Multi-Section Key

Multi-Section Key

Cylinder Keyway and
Single Section Key

All-Section Key

Cylinder Keyway and
Single Section Key



* NOTE: Do not use these
pairs in the same keying
system with each other: A1
with A2; A4 with A5.

Former Designations

5-pin: 1A-12A
6-pin: 1Z-12Z

Security

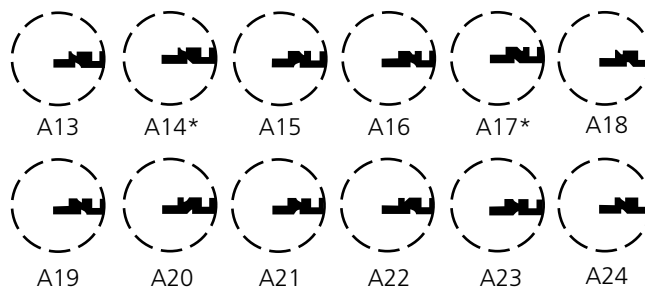


Not Available

A Series (Reverse)

12 keyways: A13-A24.
5-pin standard, 6-pin special.
Available with 10 Series
bows only.
A Class bitting.
No hotel function
cylinders.

Cylinder Keyway and
Single Section Key



* NOTE: Do not use these pairs in the same
keying system with each other: A13 with A14;
A16 with A17.

Security



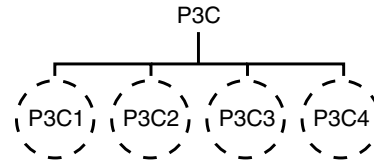
Not Available

Pyramid (Patented)

P3C Series

Keyway profiles not shown for security reasons.
4 keyway multiplex

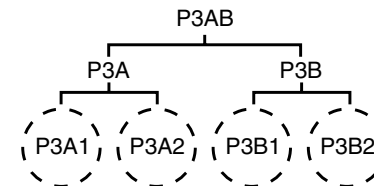
Multi-Section Key
Cylinder Keyway and
Single Section Key



P3AB Series

Keyway profiles not shown for security reasons.
4 keyway multiplex

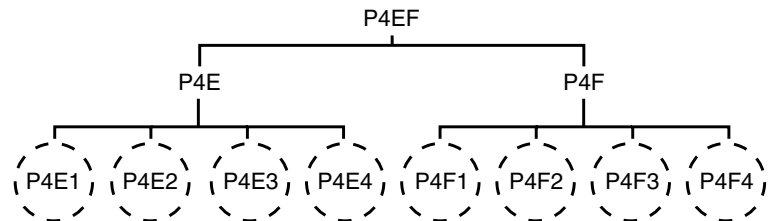
All-Section Key
Multi-Section Key
Cylinder Keyway and
Single Section Key



P4EF Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

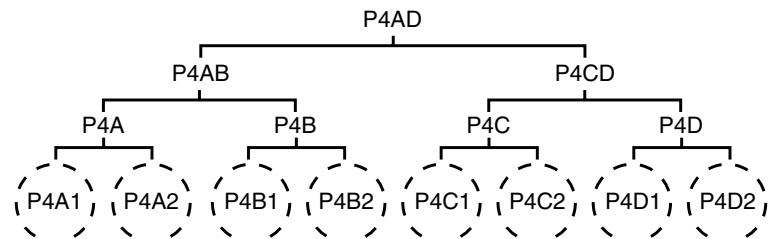
All-Section Key
Multi-Section Key
Cylinder Keyway and
Single Section Key



P4AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

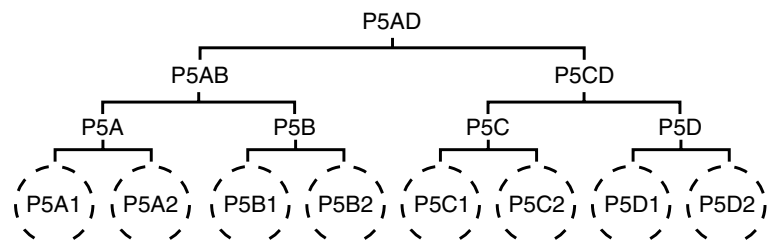
All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and
Single Section Key



P5AD Series

Keyway profiles not shown for security reasons.
8 keyway multiplex

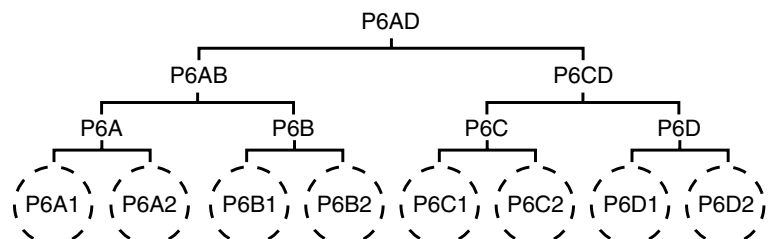
All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and
Single Section Key



P6AD Series






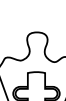




Keyway profiles not shown for security reasons.
8 keyway multiplex

All-Section Key
Multi-Section Key
Multi-Section Key
Cylinder Keyway and
Single Section Key






***Note:** Each P6 keyway will have its own unique side pin code locations to be assigned by Key Systems Administration. The side pin code is not available with the other Pyramid keyway families.

Cams for current products or models

Type	Part Number		Model/Description
	A01	Reg. 701F23 IC 701F23	Corbin Russwin Arrow®, Marks 5000, PDQ Steel case mortise locks except classroom and institutional privacy functions. Deadbolt functions of green cast iron case mortise locks. NOT for master ring mortise cylinders. All mortise functions using Cloverleaf cam.
	A02	Reg. 147F77 IC 334F13	Corbin Russwin Baldwin R. R. Brink Marks Steel case mortise lock classroom (55), inside of vestibule (42) and institutional privacy (69) functions. Most exit device trims. NOT for master ring mortise cylinders. All mortise locks. All except CKS. 7000, 9000 and most brands of older black cast iron locks.
	A03	Reg. 111F55 IC 362F42	Corbin Russwin Adams Rite® Lori DL3000 Series Cylindrical Deadlocks only. 1800 Series, 4015 Deadlocks; 4500 and 4700 Series Latch Locks. 4500, 4600 Series Deadlocks.
	A04	Reg. 413F22 IC 423F49	Corbin Russwin DL4000 Series Mortise Deadlocks only.
	A05	Reg. 105F70 IC 362F50	Adams Rite R. R. Brink 4070 Series Deadlocks. "CKS" Control Key Switch.
	A06	Reg. 626F07 IC 626F07	Schlage® L9000 Series (Cloverleaf only).
	A61	Reg. 562F40 IC 526F66	Corbin Russwin Best® Mortise Series deadbolt function master ring locks manufactured since June 10, 1993 (silver case). Adapt earlier (gold case) model to use this cam by installing thumbturn hub 562F41-2. H45 Series
	A62	Reg. 065F36	Corbin Russwin Corbin Russwin DORMA Mortise Series Master Ring classroom (55) function and inside of vestibule (42) function mortise locksets. 900 Series Mullion, WS700 Series Mullion (Both KRM) Mortise Locks
	A65	Reg. 025F72	Corbin Russwin Mortise Series: required for master ring deadbolt functions manufactured before June 10, 1993 (gold case) and for outside of current vestibule (42) function. Optional for current non-deadbolt functions except classroom (55) and inside of vestibule (42) function.
	A92	Reg. 266F34	Corbin Russwin Concealed vertical rod exit device outside grip handle operators 01 and 02.

Cams for obsolete Corbin Russwin products or models

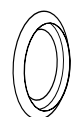
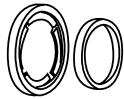
	A63	121F01	Corbin Russwin Black cast iron case master ring mortise locks, except models with 1" throw deadbolt.
	A64	135F19	Corbin Russwin Black cast iron case master ring mortise locks with 1" throw deadbolt.
	A93	Reg. 281F27 IC 362F43	Corbin Russwin 610 and 1403 Series Cylindrical Deadlocks.

Cylinder Accessories

Collars and Master Ring Adapter

Key Systems

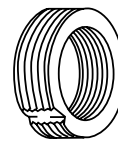
Standard Collars +



Spring	
253F97	.150" (5/32")
549F52	.219" (7/32") - Ring Only
605F43	.350" (11/32")
428F66	Packet: 549F52 + 253F97
Solid, Recessed for Cylinder Head	
447F41*	.031" (1/32"); total projection 1/4"
700F53	.090" (3/32") VR trim, double cylinder 1-1/4"
261F54	.094" (3/32") x 2-1/4" O.D. for ED6000 with T5, T6, T9, T9M, T10, T10M, T11M trim
270F15	.156" (5/32"); total projection 9/32"
598F89*	.156" (5/32"); total projection 9/32"
447F42*	.172" (11/64"); total projection 25/64"
610F01*	.221" (7/32"); total projection 7/16"
610F02*	.289" (9/32"); total projection 1/2"
654F07	.350" (11/32"); total projection 15/32"
447F43*	.375" (3/8"); total projection 19/32"
609F36*	.500" (1/2"); total projection 23/32"
134F05	.510" (1/2") for ED6800 x B5 or G6 and all ED7400, ED7800 with 1-1/8" cylinder
654F08	.550" (9/16"); total projection 11/16"
267F97	.635" (5/8") for ED6800 x O1 or O2 with 1-1/8" and ED6800 x B5 or G6 and all ED7400, ED7800 with 1-1/4" cylinder
609F37*	.650" (21/32"); total projection 7/8"
399F48	.749" (3/4") for ED6800 x O1 or O2 with 1-1/4" cylinder
609F38*	.850" (27/32"); total projection 1-1/16"
Spacers for Flexible Head Cylinders	
370F29	.125" (1/8")
370F31	.250" (1/4")
252F82	.315" (5/16")
Other Solid Collars	
416F39*	.172" (11/64") security collar; total projection 13/32"
303F25	.312" (5/16") for 1-1/8" cylinder on aluminum door
Miscellaneous	
255F53	Rim cylinder, flush mount
422F88	Rim cylinder, surface mount
197F34	Wave washer



Master Ring Collars +



Solid, Recessed for Cylinder Head	
447F44*	.031" (1/32"); total projection 1/4"
261F55	.094" (3/32") X 2-1/4" O.D. for ED6000 with T5, T6, T9, T9M, T10, T10M, T11M trim
447F45*	.172" (11/64"); total projection 25/64"
447F46*	.375" (3/8"); total projection 19/32"
Spacers for Flexible Head Cylinders	
366F70	.090" (3/32") tapered
370F33	.094" (3/32")
370F35	.281" (9/32")
Miscellaneous	
255F54	Rim cylinder, flush mount
197F35	Wave washer

Master Ring Adapter

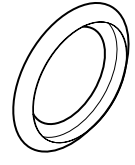
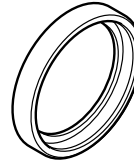
For installing standard diameter mortise cylinder in master ring lockset. Specify 522F93-2. Order cam separately. See page 40.

* Number includes wave washer in packet
+ Refer to corresponding parts and service manuals for correct cylinder collar applications and selection guide

Key Systems

Collars

- 1-3/4" (44mm) thick door. For other door thicknesses and trim considerations, contact Corbin Russwin Technical Product Support.
- Mortise Cylinders – 1-1/4" (32mm) length



	Spring 605F43 (.350)	447F41 (.030)	700F53 (.090)	270F15 (.156)	598F89 (.156)	Solid 447F42 (.172)	610F02 (.289)	447F43 (.375)	654F07 (.350)	267F97 (.635)	Surface Mount 422F88 (.000)
Mortise Cylinder											
High Security Separately (1020, 1030)							X				
Security Separately (1027, 1037)	X										
Mortise Lock											
<i>Single Cylinder</i>											
Sectional							X				
N Escutcheon					X						
P Escutcheon					X						
M Escutcheon					X						
L & R Escutcheon		X									
T Escutcheon (no collar required)											
<i>Double Cylinder</i>											
Sectional								X			
N Escutcheon							X				
P Escutcheon							X				
M Escutcheon							X				
L & R Escutcheon						X					
T Escutcheon						X					
V Escutcheon			X								
Auxiliary Locks											
DL4011, 4013, 4017						X					
DL4012								X			
Rim Cylinder											
High Security Separately (3020, 3030)											X
Security Separately (3027, 3037)											X
Exit Devices											
<i>ED4000-5000 Series</i>											
700 Trim, F2, F3, T13, P9									X		
K1				X							
700M Trim, F2M, F3M, T13M							X				
900 Trim											X
Cylinder Dogging				X							
<i>ED6000 Series</i>											
N3, G4, T3				X							
N4M, G5M											X
T7M, T9M					X						
<i>ED7000 Series</i>											
P4, P6, P7		X									
C4, O3, O5										X	
T11				X							
<i>ED8000 Series</i>											
KO											X
F1, P1, P2 (no collar required)											

Plug Diameters/Quick Codes

Key Systems

Corbin Russwin Cylinder Plug Diameters

When combining Corbin Russwin cylinders, the diameter of the plug determines the set of bottom pin and build-up pin lengths to use. The plug diameter is either .509" or .552". All Pyramid cylinders have a plug diameter of .496" and have their own pin kit. Current Corbin Russwin cylinder plug diameters are listed below by product series. Before 1983, however, all Corbin® X Class cylinders used .509" diameter plugs.

Product Series	Security Bolt	Plug Diameter	Product Series (obsolete)	Cylinder Type	Plug Diameter
CL3200 Series		.509"	1400/4300 Series	Cylindrical	.552"
CL3300 CL3500, CL3800 Series	Cylindrical	.509"	Pyramid Series	All	.496"
CL3400 & CL3600 Series	Cylindrical	.509"			
CL3700 Series	Cylindrical	.509"	Mortise Cylinders		.552"
CL3900 Series	Cylindrical	.509"	Rim Cylinders		.552"
CK4200 CL3500, CL3800 Series	Cylindrical	.552"	Interchangeable Cores		.509"
CK4400 Series	Cylindrical	.509"	Padlocks		.509"
CK4700 Series	Cylindrical	.509"	Competitors' Key-in-Lever/Knob		.552"
UT5200 Series	Unit Lock	.552"	Security, all cylinders		.552"
DL2100 Series	Deadlock	.509"	Exit Devices, except IC		.552"
DL3000 Series	Deadlock	.552"	A6/N6/PR6 trim and obsolete		.509"
DL3100 Series	Deadlock	.509"	NS/AS trim		.509"

Cylinder Options

Description	Quick Code
IC 6-pin with temporary construction core	CT6
IC 6-pin with temporary construction core (Red)	CT6R
IC 6-pin with temporary construction core (Blue)	CT6B
IC 6-pin with temporary construction core (Green)	CT6G
IC 6-pin with disposable temporary core	CT6D
IC 6-pin with SFIC disposable temporary core ¹ (Mortise)	CT6SD ¹
IC 6-pin with small format temporary disposable core	CTSD
IC 7-pin with temporary construction core	CT7
IC 7-pin with temporary construction core (Red)	CT7R
IC 7-pin with temporary construction core (Blue)	CT7B
IC 7-pin with temporary construction core (Green)	CT7G
IC 7-pin with disposable temporary core	CT7D
IC 7-pin with SFIC disposable temporary core ¹ (Mortise)	CT7SD ¹
Pyramid with temporary construction core	CTP
Pyramid with disposable temporary core	CTPD
SFIC 6-pin with less core (rim and mortise)	CLS6
SFIC 7-pin with less core (rim and mortise)	CLS7
Bump-resistant cylinders	BRP

Keying Options

Description	Quick Code
0-bitted with 2 blank keys (except HS, CHS)	(standard)
Keyed random	KR
Keyed alike	KA
Keyed to specific bitting (specify bitting)	KS
Uncombined	UC
Construction master keyed	CMK

Key Quantity Options

2 change keys per cylinder ²	(standard) ²
Other than 2 change keys per cylinder (i.e. customer requests 6 change keys per cylinder)	KY# (i.e., KY6)
No change keys	KY0
Master keys (if required) ³	Specify Qty.
Control keys (if required) ³	Specify Qty.
CMK keys (if required) ³	Specify Qty.
CMK control keys (if required) ³	Specify Qty.
SKD control keys (if required) ³	Specify Qty.
Special purpose keys, i.e., ENG (if required) ³	Specify Qty.

¹Corbin Russwin does not furnish permanent SFIC cores

²Keys shipped separately for security and Pyramid master keyed cylinders

³Order as cut keys

Collar Options - Mortise and Rim Cylinders Only

Description	Quick Code
Collar packet (549F52 + 253F97)	428F66
Rim collar, flush mount	255F53
Rim collar, flush mount (master ring)	255F54
Rim collar, surface mount (standard for rim cylinders)	422F88
Solid collar - .030	447F41
Solid collar - .031 (master ring)	447F44
Solid collar - .090 (VR trim only)	700F53
Solid collar - .094	261F54
Solid collar - .094 (master ring)	261F55
Solid collar - .156	270F15
Solid collar - .156	598F89
Solid collar - .172 (tapered security collar)	416F39
Solid collar - .172	447F42
Solid collar - .172 (master ring- standard for MR 118 cylinders)	447F45
Solid collar - .221	610F01
Solid collar - .289	610F02
Solid collar - .312	303F25
Solid collar - .350	654F07
Solid collar - .375	447F43
Solid collar - .375 (master ring)	447F46
Solid collar - .500	609F36
Solid collar - .510	134F05
Solid collar - .550	654F08
Solid collar - .635	267F97
Solid collar - .650	609F37
Solid collar - .749	399F47
Solid collar - .850	609F38
Spacer for flexible head cylinders - .125	370F29
Spacer for flexible head cylinders - .250	370F31
Spacer for flexible head cylinders - .315	252F82
Spacer for flexible head master ring cylinders - .094	370F33
Spacer for flexible head master ring cylinders - .281	370F35
Spacer for flexible head master ring cylinders (tapered) - .090	366F70
Spring collar - .150 (standard for 118 cylinders)	253F97
Spring collar - .219	549F52
Spring collar - .350 (standard for 114 cylinders)	605F43

Quick Codes/How to Order

Key Systems

Stamping Options*

Description	Quick Code
Keys stamped with bitting number	(standard)
No keyset or bitting stamping on keys	VKC0
Keys only stamped with keyset (standard for HS, CHS, PS, PHS, PCS, PCHS)	VKC1
Keys stamped with keyset, cylinders stamped with keyset on face of plug - not available for HS, CHS, PS, PHS, PCS, PCHS	VKC2
Keys stamped with bitting, cylinders stamped with keyset on face of plug - not available for HS, CHS, PS, PHS, PCS, PCHS	VKC3
Keys stamped with keyset, cylinders stamped with keyset in concealed location	CKC2
Keys stamped with bitting, cylinders stamped with keyset in concealed location- not available for HS, CHS, PS, PHS, PCS, PCHS	CKC3
Less Trade Mark (No Corbin Russwin logo on cylinders)	LTM

*see page 6 for detailed descriptions

KeyBow Options

Description	Quick Code
Corbin Russwin logo	(standard)
Plain both sides	KB11
Do Not Duplicate	KB12
US Property Do Not Duplicate	KB13
Protected Do Not Duplicate (only for protected keyways)	KB19
Restricted Do Not Duplicate (only for restricted keyways)	KB19
Pyramid (only for Pyramid keys)	KB28
Large bow, plain both sides	KB51
Large bow, Do Not Duplicate	KB52
Large bow, US Property Do Not Duplicate	KB53
Large bow, protected Do Not Duplicate (only for protected keyways)	KB19
Large bow, Restricted Do Not Duplicate (only for restricted keyways)	KB59
Security bow Corbin Russwin logo (only for security keys)	KB90
Security bow plain both sides (only for security keys)	KB91
Security bow, Do Not Duplicate (only for security keys)	KB92
Security bow, US Property Do Not Duplicate (only for security keys)	KB93
Security bow, protected Do Not Duplicate (only for security keys, protected keyways)	KB99
Security bow, Restricted Do Not Duplicate (only for security, restricted keyways)	KB99

How to Order Cylinders

Mortise Separately

Keyset	Cylinder	Length	Cam	Pins	Keyway	Finish
AA1	1000	118	A01	7	L4	626

Rim Separately

Keyset	Cylinder	Length	Pins	Keyway	Finish
AA1	3000	058	7	L4	626

Key-in-Lever/Knob Separately

Keyset	Cylinder	Lockset Series	Pins	Keyway	Finish
AA1	2000	033	7	L4	626

IC Cores Separately

Keyset	Cylinder	Pins	Keyway	Finish
AA1	8000	7	L4	626

Key Systems

Single System Pin Kits

For the end user with one Corbin Russwin System 70 keying system to maintain. Each kit has all pins necessary to combine interchangeable core and master ring cylinders, as well as conventional cylinders (both .509" and .552" plug diameters). Furnished in a handsomely finished hardwood case with combining instructions on the inside of the lid. Includes key gauge, tweezers and both diameter plug followers.

PK-70-ZDH

For pinning all types of cylinders (except security) with Z Class keyways: 59, D, H and L Series, plus 60, 70 and restricted/protected keyways using System 70 depths (1-6).

PK-70-X

For pinning all types of cylinders with X Class keyways: 27, 57, 67 and 77 Series, plus AR, BR, BL, 97 and 99 using System 70 depths (1-6).

PK-70-N

For pinning all types of cylinders with N Class keyways: N1-N28 using System 70 depths (1-6).

Security Pin Kit

PK-70-HS

For security cylinders, including interchangeable core, Brink and blockout function. Furnished in a handsomely finished hardwood case with combining instructions on the inside of the lid. Includes tweezers.

Deluxe Pin Kit

PK-1070

Ideal for locksmiths and distributor service personnel who must service a variety of Corbin Russwin keying systems. Also for end users with Pre-System 70 keying systems.

Contains all pins required to combine standard, IC and master ring cylinders. Accommodates System 70 and non-System 70 for both plug diameters and all key classes. Furnished in a reinforced steel case with combining instructions on the inside of the lid. A separate, removable, two-sided chart contains pin lengths for all modern key classes. Includes tweezers and both diameter plug followers.

PK-20-HS

Each pin kit has all the pins necessary to combine standard and interchangeable core Pyramid High Security cylinders. Includes tweezers, plug follower, key gauge and combining instructions.

PK-20-PS

Each pin kit has all the pins necessary to combine standard and interchangeable core Pyramid Security Cylinders. Includes tweezers, plug follower, key gauge and combining instructions.

Pyramid Sample Display Case

S-20-DC

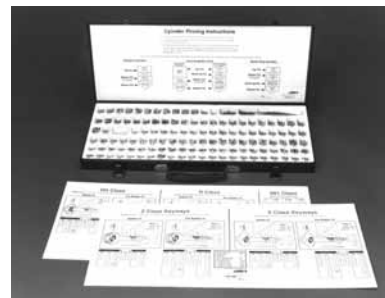
Contains sample Master Keyed Cylinders and information materials.



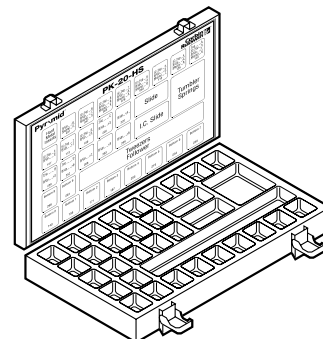
PK-70-ZDH
PK-70-X
PK-70-N



PK-70-HS



PK-1070



PK-20-HS

Key Systems

For a complete listing of all Cylinder Components, refer to Cylinder/Owner's Manuals.

How to Order Conventional Pins

Suffix 3-digit length in thousandths of an inch to base number.
Example: .160" bottom pin is 553F484-160.

Description	Number
Specify quantity of vials (100 pins/vial):	
Bottom Pins (L Series)	553F48-4 + length
Master/Top/Build-up Pins (M Series)	553F49-2 + length
Specify quantity of vials (1500 balls/vial):	
Construction Balls	546F97-8
<ul style="list-style-type: none"> • Pins are packaged in a secure, spill-proof plastic vial with hinged top. • 12 vials per master carton. 	

How to Order Security Pins

Replace the "x" in the part number with the pin's skew number.
Bottom pins use skews **L** (1) and **R** (2).
Master pins use skews **L** (1), **R** (2) and **S** (3).
Example: #2 master pin with S skew is 407T334-097.

Description	Number
Specify quantity of pins (must be multiple of 20):	
Bottom Pin, #2	407T4x4-242
Bottom Pin, #3	407T4x4-270
Bottom Pin, #4	407T4x4-298
Bottom Pin, #5	407T4x4-326
Bottom Pin, #6	407T4x4-354
Master Pin, #2	407T3x4-097
Master Pin, #3	407T3x4-125
Master Pin, #4	407T3x4-153
Top Pin #1 (long)	407T43-4193
Top Pin #2 (short)	407T43-4158

How to Order Pyramid Security Pins

Suffix 3-digit length in thousandths of an inch to base number.

Description	Number
Specify quantity of vials (100 pins/vial):	
Bottom Pins (Nickel Silver)	695F244 + length
Master/Build-up Pins/Top (Brass)	695F252 + length

How to Order Pyramid High Security Pins

Suffix 3-digit length in thousandths of an inch to base number.

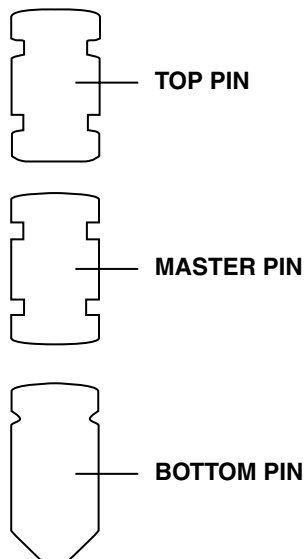
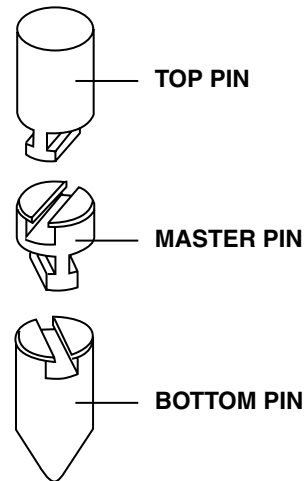
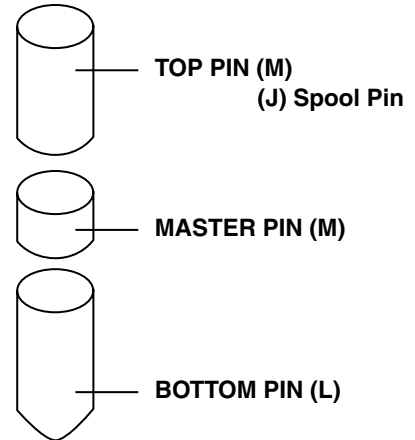
Description	Number
Specify quantity of vials (100 pins/vial):	
Bottom Pins (Stainless Steel)	695F247 + length
Master/Build-up Pins/Top (Stainless Steel)	695F257 + length

How to Order Pyramid Bump Resistant Pins

Description	Number
Specify quantity of vials (100 pins/vial):	
Size A	628F107142
Size C	628F107236

How to Order Pyramid P6 Side Pins

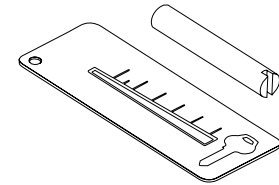
Description	Number
Specify quantity of vials (20 pins/vial):	
P6 Side Pin	630F494



Cylinder Tool Kit No. CT-93

Kit No. CT-93 contains the following items (also available separately):

CT-4	Follower for 509" diameter plugs
CT-11	Key gauge for Corbin® X and Z Class System 70 and pre-System 70
CT-19	Tweezers
CT-21	Key gauge for Russwin® N Class System 70 and pre-System 70
CT-22	Key gauge for Russwin DH Class System 70 and pre-System 70
CT-23	Key gauge for Russwin 981 and 852 Classes
CT-26	Waldes Tru-Arc pliers (see below for full description)
CT-54	Follower for .552" diameter plugs



Pyramid Tools

CT-20	Pyramid plug follower (.495" diameter)
CT-20K	Key Gauge for Pyramid

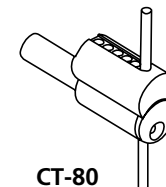
Other Tools

CT-5	Pin Chamber Reamer
CT-7	Pin Chamber Burring Tool
CT-10	Loading tool for CK4400 Series and IC cylinder shells

Cylinder Installation Wrench No. CT-80

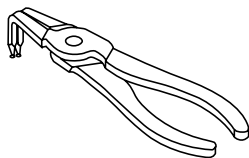
CT-80 is for interchangeable core mortise cylinders. It is used to:

- Install and remove Corbin Russwin interchangeable core mortise cylinder housing without marring cylinder scalp finish.
- Test cam operation before fastening the mortise cylinder set screw.
- Align the pins of the throw member before installing the core.



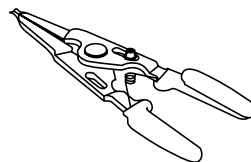
CT-80

Waldes Tru-Arc Pliers



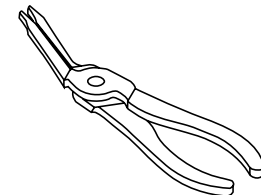
No. CT-25

When rekeying or exchanging cylinders in CK4200 and UT5200 Series knobs, this tool is used to remove the large knob shank retaining ring to gain access to the cylinder.



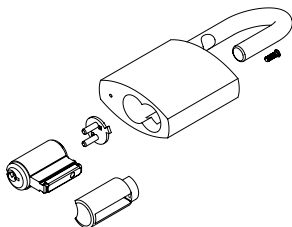
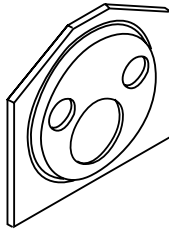
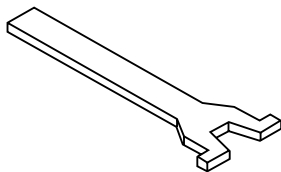
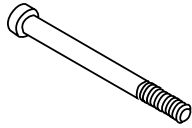
No. CT-26

When rekeying CK4200 and UT5200 Series cylinders, this tool is used to remove the plug retainer.



No. CT-27

When rekeying or exchanging cylinders in UT5200 Series Unit Lock lever handles, this tool removes and installs the cylinder retaining ring.



Screws	
438F41 -8	Cam screw, mortise cylinder and RFC padlocks
438F42-8	Cam screw, IC mortise cylinder
488F08-8	Mortise cylinder set screw packet (1 screw), standard cylinder size
488F10-8	Mortise cylinder set screw packet (1 screw), master ring
021F68-8	Rim cylinder mounting screw, 2-9/32" long for 1-3/8" - 2-1/2" doors
021F71-8	Rim cylinder mounting screw, 3-1/8" long for 2-3/4" - 3-1/2" doors
Disposable Core 10 Packs	
627F00-9	Corbin Russwin LFIC
707F21-9	Corbin Russwin SFIC
Tailpieces	
655F00-8	5/8" horizontal for rim cylinder 3000-058
655F01-8	5/8" horizontal for IC rim cylinder 3080-058
582F29-8	1-1/4" horizontal for IC rim cylinder 3080-114
490F55-8	1-3/8" horizontal for rim cylinder 3000-138
253F85-8	1-7/8" horizontal for IC rim cylinder 3080-178
483F09-8	1-7/8" vertical for IC rim cylinder 3080-178V
253F76-8	2" horizontal for rim cylinder 3000-200
413F48-8	2" vertical for rim cylinder 3000-200V
284F13-8	3-1/8" horizontal for IC rim cylinder 3080-318
253F77-8	3-1/2" horizontal for rim cylinder 3000-312
413F49-8	3-1/2" vertical for rim cylinder 3000-312V
622F30-8	For 2000-033 & 2000-034-7 cylinders
622F29-8	For 2000-034-6 cylinder
682F29-8	For 2000-037 & 2000-033-7 cylinders
596F89-8	For 2000-038 cylinder
489F02-8	For 2000-051 cylinder
680F60-8	For 2000-039 cylinder
681F60-8	For 2000-039L cylinder
Rim Cylinder Back Plates	
253F75-8	For standard and Pyramid rim cylinders
135F10-8	For master ring rim cylinders
Retainers	
173F79-8	.020" thick for 2001 -051 cylinder
368F91-8	.030" thick for rim, 2200, 2210 & 3000 Series cylinders
488F92-8	.032" thick for CK4200 and 1400/4300 Series locks
333F99-7	For CK4400 Series Locks, 4300 Series Cylinders, 8000 cores and Pyramid
655F41-5	For 3080 IC rim cylinder
680F64-5	Threaded cap for 2000-033, 034, 037, 039, Security & Pyramid KIL cylinders
585F31-2	Cap pin for above
Springs (Ordered in multiples of 100)	
585F32-7	For 2000-033, 034, 037, 039, Security & Pyramid KIL cap pin)
172F21-7	IC Conventional & Security
603F20-7	Fixed Core Conventional & Security
026F75-7	Hotel Mortise blocking pin
697F50-7	All Pyramid Cylinders
314F98-7	For 2001-034 indicator
Spring Covers	
217F42-2	5-pin brass (Rim/Mortise/IC)
217F44-2	6-pin brass (Rim/Mortise/IC/Pyramid IC)
314F88-7	6-pin stainless (2000 Series Knob/Lever)
217F43-2	7-pin brass (Rim/Mortise/IC/Pyramid Rim & Mortise)
585F39-7	7-pin stainless (2000 Series Lever/Pyramid KIL/KIK)
411F092	Pyramid KIL/KIK for other manufacturers products (2200 Series)
Padlock Parts	
362F15-3	Throw member for IC & RFC padlocks (A)
793F592-4	Cylinder sleeve for RFC padlocks (B)
438F41-8	Mounting screw for RFC padlocks (C)

Policies and Procedures

Key Systems

Procedures

Corbin Russwin keying systems utilize the Standard Key Coding System illustrated on the following pages. To ensure prompt and accurate processing, purchase orders should be written using these key symbols to describe each master keyed item. In addition to the key symbol, Corbin Russwin requires the following information on the keying system for ALL orders:

- End User (job) Name
- City, State, Zip Code
- Special key bows or key stamping
- VKC/CKC requirements (see page 6)

New Systems or New Branches of Existing Systems

Indicate system expansion in terms of estimated numbers of key combinations, not doors. All of this information is essential at the inception of a keying system in order for Corbin Russwin to ensure accommodation of the end user's present and future needs. Advise as follows:

- How many levels of keying?
- Plan for a construction master key?
- Any selective master keys, such as ENG?
- How many changes for each master?
- How many masters for each grand master? If mixing Corbin Russwin cylinder types, indicate clearly where each type of cylinder will be used within the expansion parameters:
 - Which masters or grands have security cylinders under them?
 - Which have interchangeable cores?
 - Which have master ring?
 - Which have conventional cylinders?

Existing System Add-Ons

For prompt processing, orders must include a positive identification for the keying system in addition to the job name, city, state and zip code. Any ONE of the following is positive ID:

- Registry number stamped on any existing factory master key
- Previous factory order number together with the year of that order

Letters of Authorization

No letter is needed when the items are to be drop shipped directly to the end user. In all other cases, to preserve the security of the end user's keying system, Corbin Russwin requires a letter of authorization on the end user's letterhead to obtain the following:

- Bitting lists
- Security blanks and cut keys
- Master level cut keys
- Protected key blanks, cylinders and plugs
- Pyramid key blanks, cylinders, and plugs

The letter of authorization can be brief but should include a specific description of what is being authorized for release, and a positive key system identification.

Pyramid Key Discard Policy

U.S. Utility Patent number 6,125,674 protects Pyramid keys from unauthorized duplication until the year 2018.

It is essential that cut keys and key blank distribution policies and procedures be maintained and enforced for all Pyramid products.

Authorized Pyramid Distributors

Pyramid is a system-based product. An authorized distributor can stock Pyramid upon specific written authorization from the primary systems administrator of the facility. Authorized distributors have the ability to receive product, key product, cut keys and distribute the product to the facility.

Authorized Pyramid distributors who carry inventory for a specific system must provide valid receipts and disbursements of all Pyramid products, specifically key blanks/cut keys. All Pyramid key blanks to be maintained in the possession of an authorized Pyramid distributor must be accounted for. Any defective, incorrectly cut or damaged Pyramid key blanks must be retained in the distributor's possession to be reviewed and collected by a representative of ASSA ABLOY Door Security Solutions.

XYZ Corporation

1 Main St.
Anytown, USA 00001
(203) 555-5555

(Current Date)

Corbin Russwin Architectural Hardware
Key Systems Dept.

We authorize Acme Distributors to obtain a copy of the bitting list for our keying system GGMX5555. We also authorize them to order the quantities of master keys on our attached purchase order 1234AB.

Sincerely,

Gordon Morris
Security Director

Pyramid Primary System Administrators


Any defective, incorrectly cut or damaged Pyramid key blank must be destroyed.

Pyramid Key Warranty

Pyramid key blanks are covered by a 5-year warranty as outlined in the current list price book.

Pyramid Registration Certificates

For each Pyramid system established the designated owner's representative will receive a Pyramid Owner's binder containing registration certificates specific to their system. Registration certificates will contain the facility registration number along with the facility name and location and must be signed by an authorized representative for the facility. Each order submitted for Pyramid product must be accompanied by a registration certificate. Additional certificates will be obtainable through Key Systems Administration.

	Facility Registration	System Registry + Zip Code + Certificate Number
Facility Name _____		
Address #1 _____		
Address #2 _____		
City _____ State _____ Zip _____		
Authorized Representative _____		
Print		
Distributor _____ PO# _____		

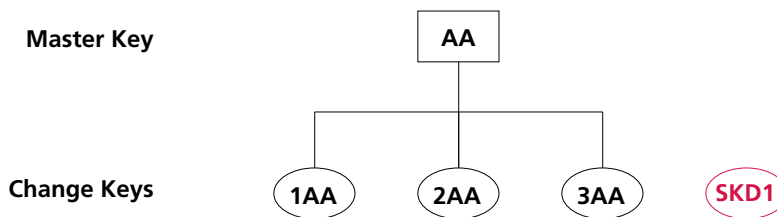
Key Systems

To Specify a Simple Master Key System (2 Levels of Keying)

The master key symbol consists of TWO letters, such as **AA**. The change key numbers are added to the master key letters. The numbers come FIRST: **1AA**, **2AA**, **3AA**, etc.

When locks are required which are not operated by the master key or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, **SKD2**, etc. When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means

"not master keyed." Cylinder **1AA(NMK)** is operated by **1AA** only. The **AA** master is blocked from operation.



To Specify a Grand Master Key System (3 Levels of Keying)

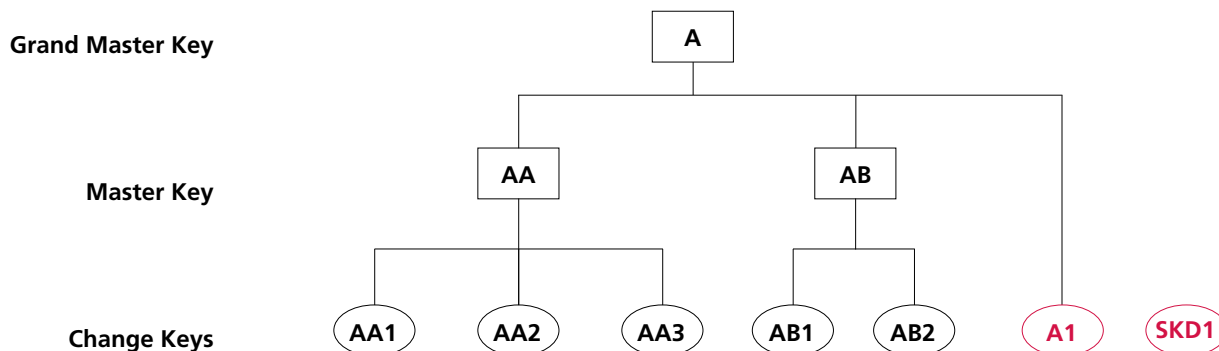
The grand master is assigned any ONE letter, such as **A**. The master keys under this grand are assigned TWO letters, the first of which must be the same as the grand: **AA**, **AB**, **AC**, etc. are all masters under grand **A**. Masters **BA**, **BB**, **BC**, etc., are all under grand **B**. Caution: Do not use the letters **I**, **O** or **Q** because of possible confusion with the numerals 1 and 0, respectively. Also do not use the letter **X** due to confusion with cross keying. Change key numbers come after the letters.

For master keys beyond **AZ**, insert a numeral between the letters to designate which pass through the alphabet they represent. **A2A** through **A2Z** represents the second pass of masters under grand **A**. **A3A** through **A3Z** would be the third. Change keys under these masters have the numbers suffixed in the usual way: **A2A1**, **A2A50**, etc.

When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given symbols **SKD1**, **SKD2**, etc.

If the cylinder is to be operated by its change key and nothing lower than the single lettered GMK, the change number is added to the GMK symbol. This is illustrated by the example **A1** in the schematic shown.

When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder **AA1 (NMK)** is operated by **AA1** only. The **AA** master and **A** grand are blocked from operation. Cylinder **AA (NMK)** would be operated by the **AA** master only. Grand **A** does not operate.



How to Establish Key Systems

4-Level Systems

Key Systems

To Specify a Great Grand Master Key System (4 Levels of Keying)

The great grand master key is assigned the symbol **GGM**. The rest of the symbols are the same as those in 3-level systems: The GMKs are assigned single letters, e.g., **A, B, C, D**, etc. Caution: Never use **X** for a grand master key due to the confusion which will result with cross keying symbols presented on page 52.

Masters under each GMK are assigned two letters, the first of which is the same as its respective grand master key. Change key numbers come *after* the letters. Changes

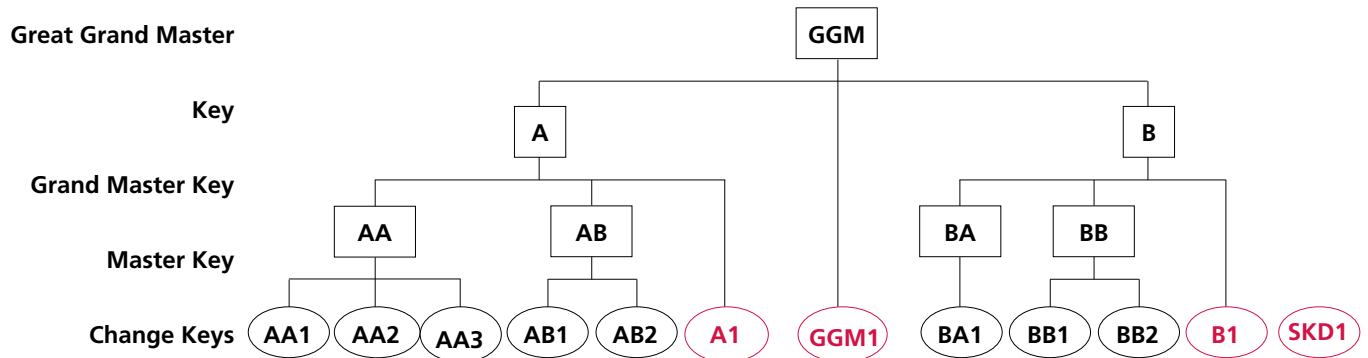
under the grand (**A1, B1**, etc.) and masters beyond **AZ** are handled exactly as in the 3-level system already described.

Changes directly under a grand are also handled as illustrated in the 3-level system. For changes directly under the **GGM** with no intermediate level masters, the change number is added directly to **GGM** as shown by the example **GGM1** in the schematic.

When locks are required which are not operated by ANY master keys or other change keys in the system, they are referred to as "single keyed" and given

symbols **SKD1, SKD2**, etc.

When all higher levels of master keys are to be disallowed, suffix (**NMK**) to the symbol of the key which is to operate. This means "not master keyed" and can be applied to any level in the system. Cylinder **AA1 (NMK)** is operated by **AA1** only. The **AA** master, **A** grand and **GGM** are all blocked from operation. Cylinder **AA (NMK)** is operated by the **AA** master only. Grand **A** and the **GGM** do not operate. Cylinder **A (NMK)** would be operated by the **A** grand only, without the **GGM**.



Selective Master Keys

It is often useful in large keying systems to issue a high level master key to maintenance personnel which allows access across all master and grand master key boundaries of a keying system. A selective master key is usually very close to the system's top master key, both physically and through its realm of access. Nevertheless, it must be blocked from operating in many areas.

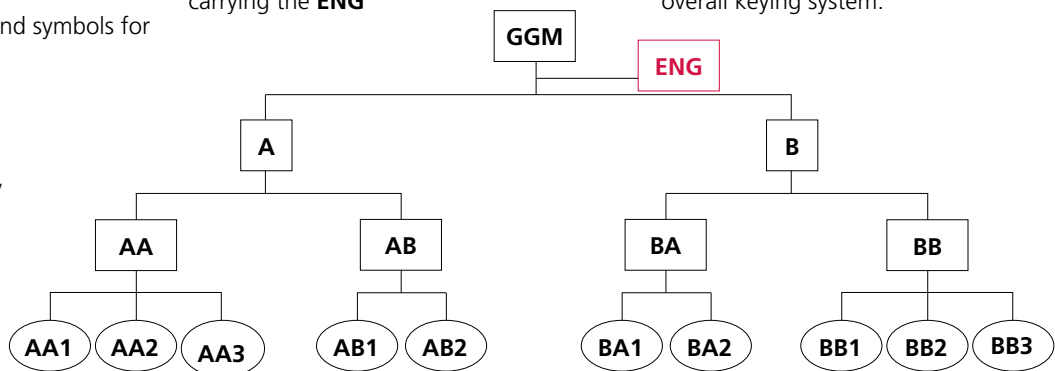
The most common names and symbols for selective master keys are:

- ENG Engineer's key
- ATT Attendant's key
- JAN Janitor's key
- HKP Housekeeper's key
- GRD Guard's key
- MAIN Maintenance

To designate that a lock be operated by a selective master key, suffix the symbol in parentheses to the standard symbol. Example: **AA1 (ENG)**. This must be added *every time* the selective key is to operate and left off whenever the selective key is NOT to operate. For instance, you may lay out a system in which key **AA1** is to operate two different offices. Inside one of them is an electrical cabinet which must be accessible to maintenance personnel carrying the **ENG**

key. That lock must be specified as **AA1 (ENG)** while the lock for the other office must be specified as **AA1**. Change keys directly under the selective key, such as **ENG1**, are operated by all higher level keys, such as **GGM**.

Like cross keying, a selective master key is a convenience feature which decreases the security of the cylinders it operates and limits the expansion and flexibility of the overall keying system.



How to Establish Key Systems

Key Systems

Convenience May Reduce Cylinder Security and Hinder System Expansion

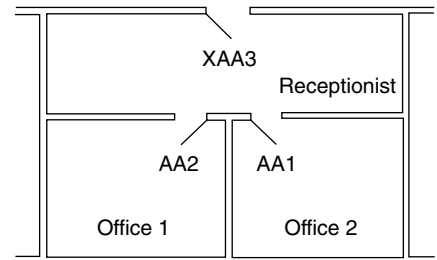
Whenever two or more different keys such as **AA1** and **AA2** are both required to operate the same cylinder, the cylinder's security is reduced. This is called *cross keying*. When the cross keying occurs under all the same higher level keys, such as **AA1** and **AA2**, it is known as *controlled cross keying*. When it combines keys under different higher level keys, such as **AA1** and **AB1**, it is known as *uncontrolled cross keying*.

In addition to reducing the security of the cylinder, cross keying usually imposes limits on the flexibility and expansion of the overall keying system. This is especially true of uncontrolled cross keying. For these reasons, it is strongly recommended to allow personnel to carry more than one key. Cross keying should be discouraged whenever possible. However, when cross keying is required, it is specified as follows, and should be summarized at the beginning of each order.

Case #1

Cylinder requires its own change key. The illustration depicts part of a small medical building where two doctors share a common receptionist. The receptionist gets the **AA3** key. Each doctor carries a key which operates only one office, but is also cross keyed into the entrance from the corridor.

Determine the symbol of the change key (example: **AA3**). Then prefix the letter X (example: **XAA3**). Then list all keys which are to operate in an "operated by . . ." phrase. Example: "**XAA3** operated by **AA1**, **AA2**, **AA** and **A**". Note that **X** is a cylinder specification only. The keys for cylinder **XAA3** are designated **AA3**.

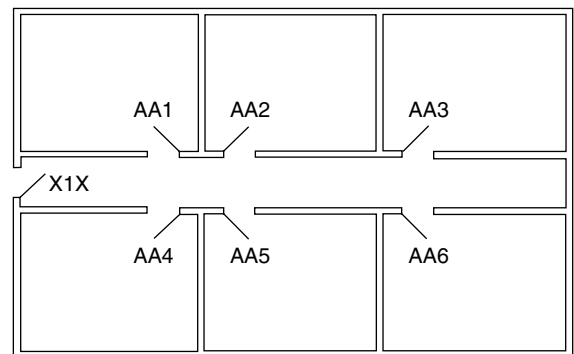


XAA3 operated by AA1, AA2, AA and A.

Case #2

Cylinder does NOT require its own change key. This illustration depicts a section of a floor in a dormitory. Each student's bedroom key operates the hall door lock. There is no need to construct a key which operates only the hall door.

In this case, place an **X** at both the beginning and end of the symbol and a number between them. Example: **X1X**, **X2X**, etc. Again, *always include the "operated by . . ." phrase with a complete listing of key symbols to operate.*



X1X operated by AA1 through AA6, AA and A.

Notes

Key Systems

Notes

Key Systems

Notes

Key Systems



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
www.corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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

**Corbin
Russwin** 

ASSA ABLOY

Pyramid[®]

Security and High-Security Cylinder



ASSA ABLOY, the global leader
in door opening solutions



Overview

Pyramid®

Description

Pyramid, Corbin Russwin's patented cylinder, is the most secure locking system available. Pyramid cylinders are available in both high security and security versions. The high security version is certified by Underwriters Laboratories to UL437 standards.

Pyramid High Security and Pyramid Security cylinders can be combined on the same master key system and one key can operate both cylinder types!

Applications

Especially recommended for installations requiring superior protection against picking, drilling and other surreptitious entry. Ideally suited for Educational and Healthcare facilities, Industrial and Commercial buildings.

System Administration & Key Control

Key control will be maintained through compliance with Corbin Russwin's Security Policy: for a copy contact Key Systems Administration or visit our web site at www.corbin-russwin.com.

A Pyramid owner's binder will be forwarded directly to the designated systems administrator with each new system. Included in this binder are catalogs as well as system-specific, sequentially coded registration certificates. A registration certificate must accompany each order submitted to Corbin Russwin.

System information and/or systems-related product will be forwarded directly to the owner, unless otherwise indicated by the owner's appointed administrator.

Table of Contents

Overview	2
Applications.....	3
Operation	4
Keyways	5-7
Cylinder Types	8-12
Cores.....	13
Collars	14
Quick Codes.....	15
Accessories	16

Product Specification

All cylinders shall employ a patented locking mechanism that requires the use of a patented key and is furnished with a minimum of 7 pins. High Security cylinders shall meet the requirements of UL437. Interchangeable cores shall meet the drill resistance and pick resistance of UL437.

Keys shall be nickel silver and furnished with a large bow.

Certifications

BHMA A156.5 Grade-1

E09211A* (Mortise)

E09221A* (Rim)

E09231A* (Bored Lock Cylinders)

*A (suffix) refers to cylinders of pick and drill resistance.



UL Underwriters Laboratories Inc.

(UL437)BP8976

1020, 2020, 3020 Fixed Core (FC) series only

Finishes

Pyramid cylinders are available in all Corbin Russwin standard finishes.

Keying

7 pin with two nickel silver change keys per cylinder. Pyramid cylinders may be uncombined (specify UC)¹, master or grand master keyed to a specific facility.

System Specifications

- Pyramid systems are independent and cannot be keyed into existing and/or conventional systems.
- Pyramid cylinders are to be keyed to factory-generated bittings only.
- Cross keying is not available.

Features	Benefits
<ul style="list-style-type: none"> • Utility patent 6,125,674 (expiring 2018) 	<ul style="list-style-type: none"> • The ultimate protection against unauthorized key duplication
<ul style="list-style-type: none"> • Available with high-security protection (UL437) 	<ul style="list-style-type: none"> • Underwriters Laboratory listing for resistance to picking & drilling
<ul style="list-style-type: none"> • 7-pin 	<ul style="list-style-type: none"> • Greater master keying capabilities • Uses existing 6-pin interchangeable core housings • 1-1/4" (32mm) length for mortise cylinders
<ul style="list-style-type: none"> • Available with stainless steel pins 	<ul style="list-style-type: none"> • Drill and pick resistant
<ul style="list-style-type: none"> • Large key bow 	<ul style="list-style-type: none"> • Easy handling & special stamping options
<ul style="list-style-type: none"> • Thicker and stronger nickel silver keys 	<ul style="list-style-type: none"> • Ideally suited for high usage & abusive applications
<ul style="list-style-type: none"> • User friendly 	<ul style="list-style-type: none"> • No expensive dedicated equipment necessary for key cutting

Key Discard Policy & Warranty

See page 16.

Construction Master Keying

Pyramid cylinders are not available construction master keyed. Interchangeable core jobs can be furnished with temporary construction cores. Temporary construction cores will be unrelated to the permanent system's master key. When the permanent cores are installed, the temporary construction cores are returned to Corbin Russwin for credit.

How to Order Example

1. Mortise lock with temporary construction core
Qty. - ML2051 - LSA - 626 - RHR - CTP
2. Mortise cylinder with temporary construction core
Qty. - 1080-114-A01-626-CTP
3. Permanent core ordered separately
Qty. - AA1 - 8020 - 626

Pyramid Quick Codes²

- PS Pyramid Security Fixed Core
 PCS Pyramid Security Interchangeable Core
 PHS Pyramid High Security Fixed Core
 PCHS Pyramid High Security Interchangeable Core
 CTP³ Pyramid with Temporary Construction Core
 CLP³ Pyramid Less Core

1. UC cylinders are supplied, less keys, pins, springs and pin covers.
 2. When cylinders are ordered with locks.
 3. Pyramid cores to be ordered as a separate line item.

Operation

Pyramid®

Performance Features

Shell

- Locking pin mechanism
- Hard metal inserts

Key

- Control pin

Plug

- Blocking plate
- Hard metal inserts

Pins & Springs

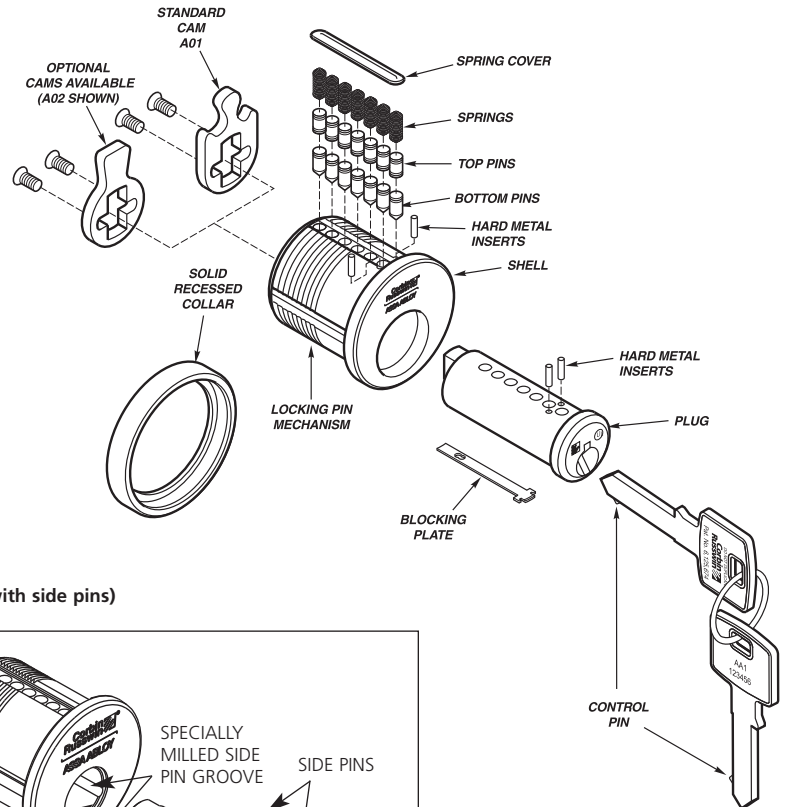
- Hardened stainless steel pick-resistant bottom pins*
- Hardened stainless steel pick-resistant top pins*
- Hardened stainless steel pick-resistant master pins (if required)*
- Hardened stainless steel pick-resistant build-up pins (if interchangeable core)*
- Springs

Collar

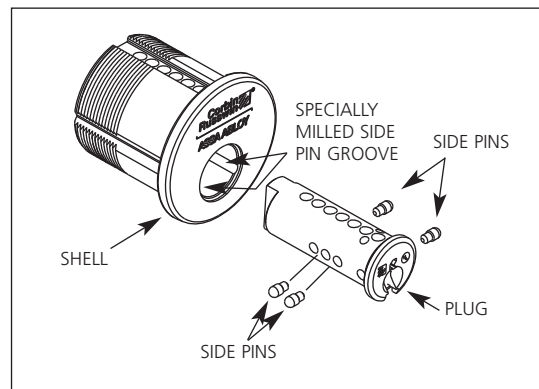
- Solid recessed (mortise)

* Hardened stainless steel pins used for UL437 High Security versions only. Pyramid Security version uses nickel silver bottom pins and brass master, build-up and top pins.

Operation



P6 Keyway (with side pins)



Without Key

Locking pin mechanism engages blocking plate and prevents the plug from turning.



With Key

Key's control pin depresses the locking pin mechanism and allows the plug to turn.

Keys

- Nickel silver
- Key Bow Type 28
- Ordering example: 7PIN-28-XXXX
└─ Keyway
- Ordering example P6 Keyway:
 7PIN-28-XXXX-SPCXX
└─ Side Pin Code
└─ Keyway

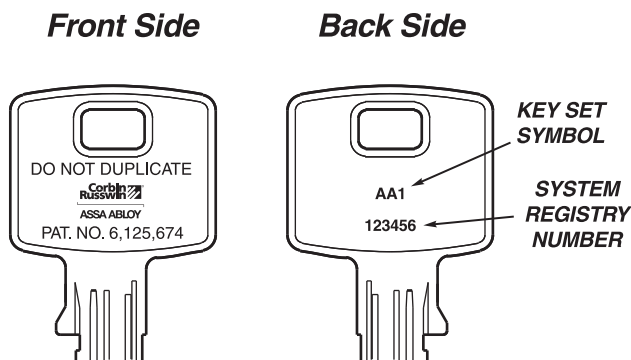
Back Side Stamping & Options

- Key set (VKC1), standard – unless otherwise indicated
- System registry number will be stamped on upper-level keys unless otherwise indicated
- Concealed key control (CKC2) available on cylinders
- Visual key control (VKC2 and VKC3) not available on cylinders. CKC3 also not available.

Note: Refer to Corbin Russwin's general catalog and price book for complete detailed information.

Keyway Security

Pyramid keyways will be determined by the supervisor of Key Systems Administration. Assignment will be based on the overall system requirements and geographic location to provide maximum protection to the owner. For security reasons, the keyway profiles are not shown.

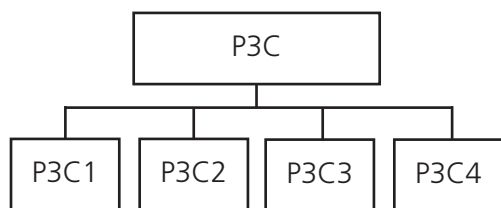


* Front side stamping will show the Corbin Russwin logo and Pat. Pend. until current inventory is depleted.

Keyway Groups

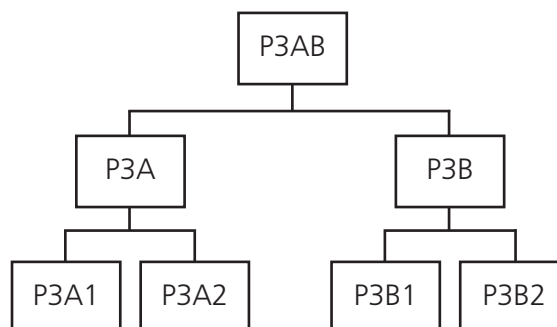
Keyway Group

Multi-section – P3C
 Keyway – P3C1 - P3C2 - P3C3 - P3C4



Keyway Group

All section – P3AB
 Multi-section – P3A - P3B
 Keyway – P3A1 - P3A2 - P3B1 - P3B2



Keyways

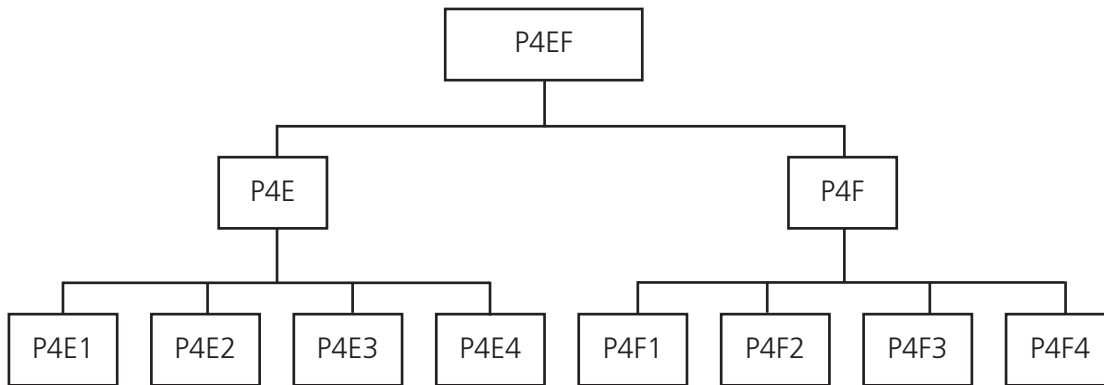
Pyramid®

Keyway Group

All section – P4EF

Multi-section – P4E - P4F

Keyway – P4E1 - P4E2 - P4E3 - P4E4 - P4F1 - P4F2 - P4F3 - P4F4



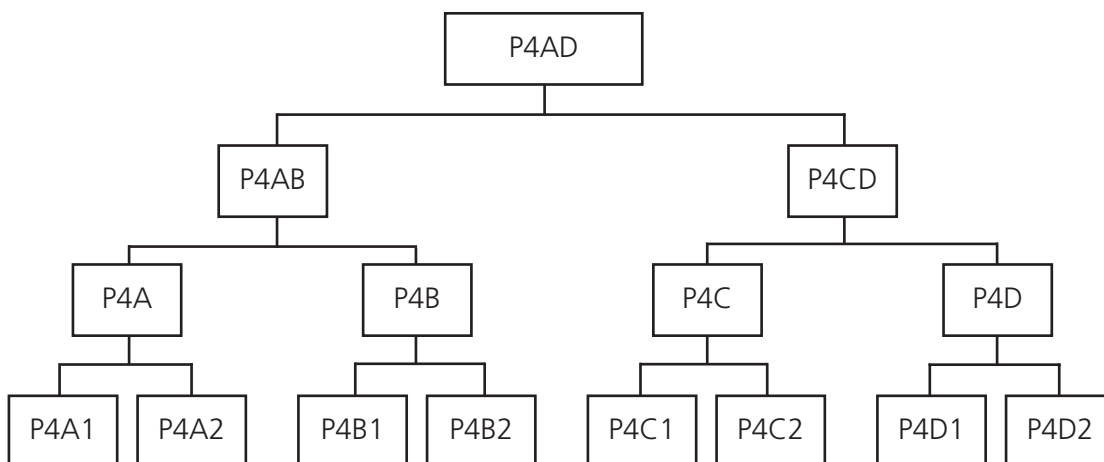
Keyway Group

All section – P4AD

Multi-section – P4AB - P4CD

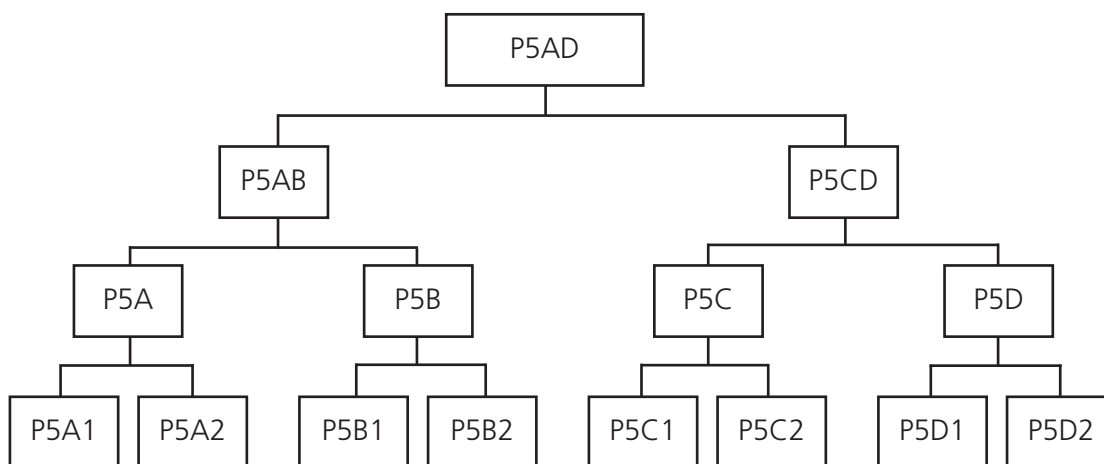
Multi-section – P4A - P4B - P4C - P4D

Keyway – P4A1 - P4A2 - P4B1 - P4B2 - P4C1 - P4C2 - P4D1 - P4D2



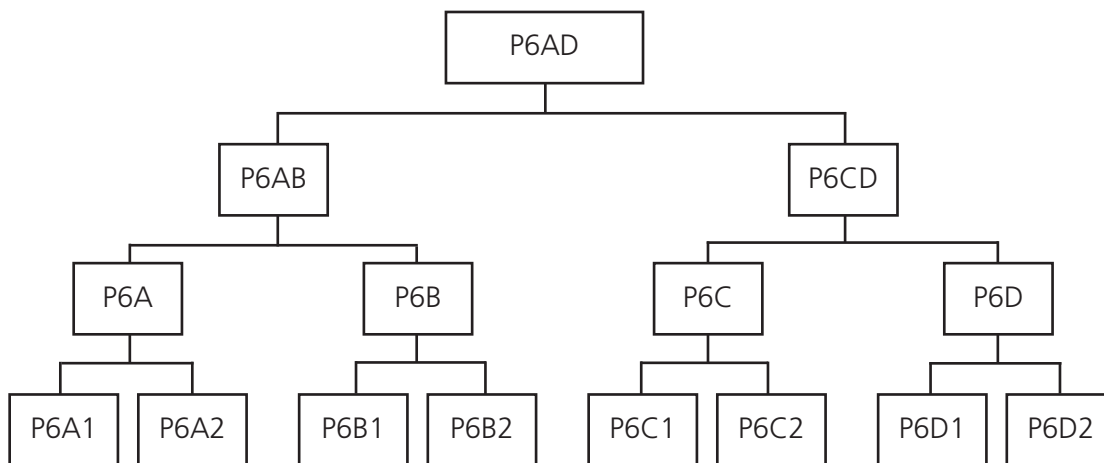
Keyway Group

All section – P5AD
 Multi-section – P5AB - P5CD
 Multi-section – P5A - P5B - P5C - P5D
 Keyway – P5A1 - P5A2 - P5B1 - P5B2 - P5C1 - P5C2 - P5D1 - P5D2



P6 Keyway Group*

All section – P6AD
 Multi-section – P6AB - P6CD
 Multi-section – P6A - P6B - P6C - P6D
 Keyway – P6A1 - P6A2 - P6B1 - P6B2 - P6C1 - P6C2 - P6D1 - P6D2



***Note:** Each P6 keyway will have its own unique side pin code locations to be assigned by Key Systems Administration. The side pin code is not available with the other Pyramid keyway families.

Mortise Cylinder

Pyramid®

Mortise Cylinders

Mortise Locks/Deadlocks

For use with all Corbin Russwin ML2000, ML2000HS and ML2200 (discontinued) mortise locks. DL4000 & DL3000 Series Deadlocks.



Conventional
Fixed Core
(FC)



Interchangeable Core
(IC)

Mortise Exit Devices

For use with ED7600 and ED6600 devices.

Type	Length	Cam	Finish
1020 - High Security Mortise	1020/1027 - Non-IC (Fixed Core) 112 - 1-1/2" (38mm) 114 - 1-1/4" (32mm) *See note #3	A01 - Cloverleaf	605 - Bright Brass
1027 - Security Mortise		A02 - Straight	606 - Satin Brass
1030 - High Security IC Mortise complete	1030/1037/1070 IC 114 - 1-1/4" (32mm) 138 - 1-3/8" (35mm) 112 - 1-1/2" (38mm) 134 - 1-3/4" (44mm)	A03 - Adams Rite® MS	611 - Bright Bronze
1037 - Security IC Mortise complete		A04 - DL4000 Series	612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed
1070 - Housing only		A05 - Adams Rite® 4070	618 - Bright Nickel Plated
		A06 - Schlage® Cloverleaf	619 - Satin Nickel Plated
		A07 - DL4100	622 - Flat Black Coated
	A62 - 900 KRM/MR Straight	625 - Bright Chromium Plated	
	A92 - See note #1	626 - Satin Chromium Plated	
	A93 - See note #2	629 - Bright Stainless Steel	
		630 - Satin Stainless Steel	
		722 - Black oxidized bronze, oil rubbed	

Note #1 - Not available IC.

Note #2 - For obsolete Corbin® 610 and Russwin® 1403 series deadlocks.

Note #3 - For ML2000 applications with door width exceeding 2-1/2" up to 3" in thickness, use IC cylinders.

How to Order Examples

High Security Mortise Cylinder Ordered Separately

Quantity	Keypad	Cylinder	Length	Cam	Finish
50	AA1	1020	114	A01	605

Mortise Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keypad	Cylinder	Length	Cam	Finish
50	AA1	1037	114	A01	605

Mortise Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keypad	Series/Function	Trim	Finish	Hand	Pyramid Quick Code
50	AA1	ML2051	LSA	626	RHR	PHS (PS for Security version)

Mortise Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keypad	Series/Function	Trim	Finish	Hand	Pyramid Quick Code
50	AA1	ML2051	LSA	626	RHR	PCHS (PCS for Security version)

Exceptions

Pyramid cylinders are not available for the following: ML2029, ML2029HS, ED7600 - applications over 2-1/4" thick, ED6600 - applications over 1-3/4" thick.

Rim Cylinder

Pyramid®

Rim Cylinders

For use with Corbin Russwin exit devices and exit device trims.



Conventional
Fixed Core
(FC)



Interchangeable Core
(IC)

Type	Length	Availability		Finish
		FC	IC	
3020 - High Security Rim Cylinder	058-5/8" (16mm) Tailpiece	X	X	605 - Bright Brass
	114 - 1-1/4" (32mm) M61 & M62 option for ED8200 and ED9200 exit device alarms		X	606 - Satin Brass 611 - Bright Bronze
	138 - 1-3/8" (35mm) M61 & M62 option for ED8200 and Obsolete ED9200 exit device alarms	X		612 - Satin Bronze 613 - Dark Oxidized Satin Bronze - oil rubbed
3027 - Security Rim Cylinder	178 - 1-7/8" (48mm) (Std. Door)		X	618 - Bright Nickel Plated
3030 - High Security IC Rim Cylinder	178V - 1-7/8" (48mm) vertical		X	619 - Satin Nickel Plated
3037 - Security IC Rim Cylinder	200 - 2" (51mm)	X		622 - Flat Black Coated
	200N - 2" (51mm) ED4000/ED5000 Night Latch Function	X		625 - Bright Chromium Plated 626 - Satin Chromium Plated
3070 - Housing only	200V - 2" (51mm) vertical	X		629 - Bright Stainless Steel
	312 - 3-1/2" (89mm)	X		630 - Satin Stainless Steel
	312V - 3-1/2" (89mm) vertical	X		722 - Black oxidized bronze, oil rubbed
	318 - 3-1/8" (79mm)		X	

How to Order Examples

High Security Rim Cylinder Ordered Separately

Quantity	Keyset	Cylinder	Length	Finish
50	AA1	3020	200	605

Rim Cylinder with a Pyramid Security Interchangeable Core

Quantity	Keyset	Cylinder	Length	Finish
50	AA1	3037	178	605

Exit Device with a Pyramid Fixed Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code
50	AA1	ED5200	L955	630	RHR	PHS (PS for Security version)

Exit Device with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Pyramid Quick Code
50	AA1	ED5200	L955	630	RHR	PCHS (PCS for Security version)

Component Cylinder

Pyramid®

Key-in-Lever / Knob Cylinder

For use with Corbin Russwin CL3300, CL3500, CL3700, and CL3800 lever locks, CK4200 and CK4700 knob locks and UT5200 unit locks. 2020/2027 series cylinders can also be used on CL3400, CL3600, CL3800 and CL3900 (discontinued) locks.



Conventional
Fixed Core
(FC)



Interchangeable Core
(IC)

Type	Lockset Series	Finish
2020 - High Security Key-in-Lever/Knob	033 - CL3300, CL3500, CL3600 (June 2000 and after) and CL3800 Lever	606 - Satin Brass 626 - Satin Chromium Plated
	033H - G10 Exit Device Knob Trim	
	034 - CL3400 Lever - CL3600 Lever (Before June 2000) A5, N5 Obsolete ED8000 Trims	
	037 - CL3700 Lever - CK4700 Knob	
2027 - Security Key-in-Lever/Knob	038 - CL3800 Lever (Manufactured 1993-1997)	
	039 - CL3900 Lever (1-3/8" - 1-3/4" door)	
	039L - CL3900 Lever (2" - 2-1/4" door)	
	051 - G3 Exit Device Knob Trim	
	052 - CK4200 Knob - UT5200 Knob and Lever	

Key-in-Lever/Knob for other Manufacturers' Products

Cylinder Descriptions		Tailpiece Orientation	Used for:
High Security (PHS)	Security (PS)		
2220-001-P21	2227-001-P21	Vertical	Schlage® D Series Levers Arrow H® Series Knobs and Levers Sargent® 10 line (Enlarge Lever Hole)
2220-002-P21	2227-002-P21	Horizontal	Schlage® D Series Knobs
2220-001-P22	2227-001-P22	Vertical	Schlage® AL and ND Series Levers
2220-002-P22	2227-002-P22	Horizontal	Schlage® A Series Knobs (Ply, etc.)
2220-002-P23	2227-002-P23	Horizontal	Schlage® A Series Knobs (ORB only)

How to Order Examples

High Security Component Cylinder Ordered Separately

Quantity	Keypad	Cylinder	Lockset Series	Finish
50	AA1	2020	033	626

Cylindrical Lock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keypad	Series/Function	Trim	Finish	Pyramid Quick Code
50	AA1	CL3357	PZD	626	PHS (PS for Security version)

Cylindrical Lock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keypad	Series/Function	Trim	Finish	Pyramid Quick Code
50	AA1	CL3357	PZD	626	PCHS (PCS for Security version)

Exceptions

Pyramid cylinders are not available for the following: CL3329, CL3629, CK4229, CK4451, CK4455, CK4457, CK4429, CK4482, DL2100 series, DL3100 series.

Bump Resistant Cylinders

Pyramid®

Protect your building from unwanted entry with Corbin Russwin bump-resistant cylinders. Our bump-resistant cylinders deter bumping without compromising the cylinder's structural integrity and strength. This option is available with Corbin Russwin Pyramid patented security and high-security cylinders on our mortise, cylindrical and exit device hardware.

Recently, a lot of information has been circulating about bumping, a technique used to defeat cylinders. Although this method has been around for a number of years, the internet has increased public awareness. Selecting cylinders with the BRP option will make the cylinders bump resistant.

Although BHMA has yet to establish bump-resistance standards, Corbin Russwin Bump Resistant Cylinders were tested and verified by an independent testing lab. They conclusively resisted bumping attack and did not allow entry. Verification and testing data is available upon request.

Bump-Resistant Cylinders:

- Specify "BRP"

Retrofit:

- Convert existing cylinders with Bump-Resistant Top Spool Pins

Features

Bump-resistant cylinders are designed for use with all Corbin Russwin locking hardware:

- Cylindrical locks
- Mortise locks
- Exit devices
- Access control locks
- Unit locks
- Auxiliary locks

Factory bitted, a symbol BRP is stamped onto pin cover/slides. Interchangeable core cylinders are not available with bump-resistant pinning.



BRP pinned mortise cylinder



BRP pinned rim cylinder



BRP pinned key-in-lever cylinder

Bump-Resistant Top Spool Pins

Description	Part Number	Qty
Pyramid A	628F10 - 7 - 142	Vials of 100 pcs.
Pyramid C	628F10 - 7 - 236	Vials of 100 pcs.

Bump Resistant Cylinders

Pyramid®

10 - 2 - 0 - 114 - A01 - 7 - P5A1 - x Finish x BRP

Cylinder Type

10 Mortise
20 Knob/Lever
22 Competitor Knob/Lever
30 Rim

Mechanism

2 Pyramid

Function

0 High Security
7 Pyramid Security

Length (Mortise Cylinder)

114	1-1/4" (32 mm)
112	1-1/2" (38 mm)

(Rim Tailpiece)

058	5/8" (16 mm)
114	1-1/4" (32 mm) IC
138	1-3/8" (35 mm)
178	1-7/8" (48 mm) IC
178V	1-7/8" (48 mm) vertical IC
200	2" (51 mm)
200V	2" (51 mm) vertical
318	3-1/8" (78 mm) IC
312	3-1/2" (89 mm)
312V	3-1/2" (89 mm) vertical

Cam

A01	Cloverleaf
A02	Straight
A03	Adams Rite® MS
A04	DL4000 Series
A05	Adams Rite 4070
A06	Schlage® Cloverleaf
A07	DL4100
A62	MR Straight
A92	Exit Grip Trim 01, 02
A93	Obsolete Deadlocks: Corbin® 610 Series and Russwin® 1403 Series

Keyway

7

Pins

7

Finish

Description	Specify
Bright Brass	605
Satin Brass	606
Bright Bronze	611
Satin Bronze	612
Dark Oxidized Satin Bronze, Oil rubbed	613
Bright Nickel Plated	618
Satin Nickel Plated	619
Flat Black Coated	622
Bright Chromium Plated	625
Satin Chromium Plated	626
Bright Stainless Steel	629
Satin Stainless Steel	630
Black oxidized bronze,oil rubbed	722

Interchangeable Core

For use with Corbin Russwin's 6-pin Interchangeable Core housings & shells.*



Type	Finish
8020- High Security IC core *	605 - Bright Brass
	606 - Satin Brass
	611 - Bright Bronze
	612 - Satin Bronze
8027- Security IC core *	613 - Dark Oxidized Satin Bronze - oil rubbed
	622 - Flat Black Coated
	625 - Bright Chromium Plated
	626 - Satin Chromium Plated

* **Note:** Corbin Russwin 6-pin Interchangeable Core housings 1070 (mortise) & 3070 (rim) will accept 8020/8027 cores.

How to Order Examples

Security Interchangeable Core Ordered Separately

Quantity	Keypad	Cylinder	Finish
50	AA1	8027	605

Padlocks

Used with Pyramid Interchangeable Cores.
(PL5030, PL5130, PL5037, PL5137)

How to Order Examples

Padlock with a Pyramid High Security(8020) Interchangeable Core Cylinder

Quantity	Keypad	Series/Function	Shackle Length
50	AA1	PL5030	258

*Refer to general catalog for miscellaneous options.

Padlock with a Pyramid Security(8027) Interchangeable Core Cylinder

Quantity	Keypad	Series/Function	Shackle Length*
50	AA1	PL5037	258



Deadlocks

For use with Pyramid mortise cylinders. See page 8. Available in all standard finishes.

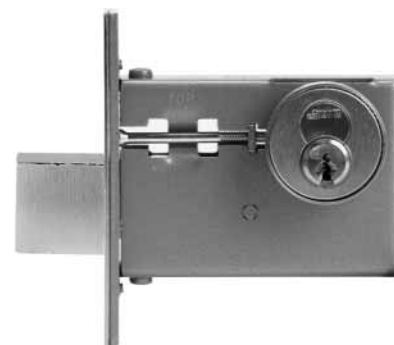
How to Order Examples

Deadlock with a Pyramid Fixed Core High Security Cylinder

Quantity	Keypad	Series/Function	Finish	Hand	Pyramid Quick Code
50	AA1	DL4013	626	RHR	PHS (PS for Security version)

Deadlock with a Pyramid Interchangeable Core High Security Cylinder

Quantity	Keypad	Series/Function	Finish	Pyramid Quick Code
50	AA1	DL4013	626	PCHS (PCS for Security version)

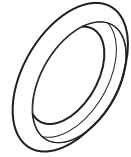


Collars

Pyramid®

Collars

- 1-3/4" (44mm) thick door. For other door thicknesses and trim considerations, contact Corbin Russwin Technical Product Support.
- Mortise Cylinders – 1-1/4" (32mm) length



	Spring	Solid								Surface Mount
	605F43 (.350)	447F41 (.030)	270F15 (.156)	598F89 (.156)	447F42 (.172)	610F02 (.289)	447F43 (.375)	654F07 (.350)	267F97 (.635)	422F88 (.000)
Mortise Cylinder										
High Security Separately (1020, 1030)						X				
Security Separately (1027, 1037)	X									
Mortise Lock										
Single Cylinder										
Sectional						X				
N Escutcheon				X						
P Escutcheon				X						
M Escutcheon				X						
R Escutcheon		X								
T Escutcheon (no collar required)										
Double Cylinder										
Sectional							X			
N Escutcheon						X				
P Escutcheon						X				
M Escutcheon						X				
R Escutcheon					X					
T Escutcheon					X					
Auxiliary Locks										
DL4011, 4013, 4017					X					
DL4012							X			
Rim Cylinder										
High Security Separately (3020, 3030)										X
Security Separately (3027, 3037)										X
Exit Devices										
ED4000-5000 Series										
700 Trim, F2, F3, T13, P9								X		
K1			X							
700M Trim, F2M, F3M, T13M						X				
900 Trim										X
Cylinder Dogging			X							
ED6000 Series										
N3, G4, T3			X							
N4M, G5M										X
T7M, T9M				X						
ED7000 Series										
P4, P6, P7		X								
C4, O3, O5									X	
T11			X							
ED8000 Series										
KO										X
F1, P1, P2 (no collar required)										

Cylinder Options

Description	Quick Code
Bump-resistant cylinders	BRP

Keying Options

Description	Quick Code
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Keyed alike	KA
Keyed to specific bitting (specify bitting)	KS
Uncombined	UC
Visual key control (VKC)	
No Stamping	VKC0
Keys only	VKC1
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2

Key Quantity Options

2 change keys per cylinder	(standard)
Other than 2 change keys per cylinder (i.e. customer requests 6 change keys per cylinder)	KY# (i.e., KY6)
No change keys	KY0
Master keys (if required)	Specify Qty.
Control keys (if required)	Specify Qty.
CMK keys (if required)	Specify Qty.
CMK control keys (if required)	Specify Qty.
SKD control keys (if required)	Specify Qty.
Special purpose keys, i.e., ENG (if required)	Specify Qty.

Collar Options - Mortise and Rim Cylinders Only

Description	Quick Code
Collar packet (549F52 + 253F97)	428F66
Rim collar, flush mount	255F53
Rim collar, flush mount (master ring)	255F54
Rim collar, surface mount (standard for rim cylinders)	422F88
Solid collar - .030	447F41
Solid collar - .031 (master ring)	447F44
Solid collar - .090 (VR trim only)	700F53
Solid collar - .094	261F54
Solid collar - .094 (master ring)	261F55
Solid collar - .156	270F15
Solid collar - .156	598F89
Solid collar - .172 (tapered security collar)	416F39
Solid collar - .172	447F42
Solid collar - .172 (master ring- standard for MR 118 cylinders)	447F45
Solid collar - .221	610F01
Solid collar - .289	610F02
Solid collar - .312	303F25
Solid collar - .350	654F07
Solid collar - .375	447F43
Solid collar - .375 (master ring)	447F46
Solid collar - .500	609F36
Solid collar - .510	134F05
Solid collar - .550	654F08
Solid collar - .635	267F97
Solid collar - .650	609F37
Solid collar - .749	399F47
Solid collar - .850	609F38
Spring collar - .150 (standard for 118 cylinders)	253F97
Spring collar - .219	549F52
Spring collar - .350 (standard for 114 cylinders)	605F43

Accessories

Pyramid®

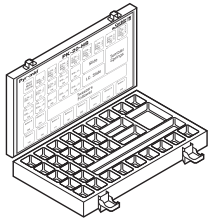
Pin Kit and Service Tools

Each pin kit has all the pins necessary to combine standard and interchangeable core Pyramid cylinders. Includes tweezers, plug follower, key gauge and combining instructions.

How to Order

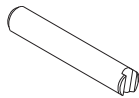
High Security Pin Kit
PK-20-HS

Security Pin Kit
PK-20-PS



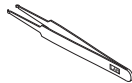
Follower

How to Order Separately
CT20



Tweezers

How to Order Separately
CT19



Key Gauge

How to Order Separately
CT20K

Pyramid Bump Resistant Pins

How to Order Separately

Vials of 100 Pins
Size A = 628F107142
Size C = 628F107236

Pyramid P6 Side Pins

How to Order Separately

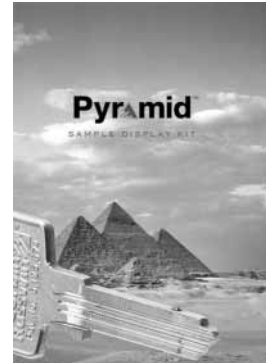
Vial of 20 Pins
630F494

Pyramid Sample Display Case

Contains sample Master Keyed Cylinders and information material.

How to Order

PS-20-DC



Registration Certificates

For each Pyramid system established the designated owner's representative will receive a Pyramid Owner's binder containing registration certificates specific to their system. Registration certificates will contain the facility registration number along with the facility name and location and must be signed by an authorized representative for the facility. Each order submitted for Pyramid product must be accompanied by a registration certificate. Additional certificates will be obtainable through Key Systems Administration.

	Facility Registration	System Registry + Zip Code + Certificate Number
Facility Name _____		
Address #1 _____		
Address #2 _____		
City _____		State _____
Authorized Representative _____		Zip _____
_____ Print		
Distributor _____		PO# _____

Pyramid Key Discard Policy

U.S. Utility Patent number 6,125,674 protects Pyramid keys from unauthorized duplication until the year 2018.

It is essential that cut keys and key blank distribution policies and procedures be maintained and enforced for all Pyramid products.

Authorized Pyramid Distributors

Pyramid is a system-based product. An authorized distributor can stock Pyramid upon specific written authorization from the primary systems administrator of the facility. Authorized distributors have the ability to receive product, key product, cut keys and distribute the product to the facility.

Authorized Pyramid distributors who carry inventory for a specific system must provide valid receipts and disbursements of all Pyramid products, specifically key blanks/cut keys. All Pyramid key blanks to be maintained in the possession of an authorized Pyramid distributor must be accounted for. Any defective, incorrectly cut or damaged Pyramid key blanks must be retained in the distributor's possession to be reviewed and collected by a representative of ASSA ABLOY Door Security Solutions.

Pyramid Primary System Administrators

Any defective, incorrectly cut or damaged Pyramid key blank must be destroyed.

Pyramid Key Warranty

Pyramid key blanks are covered by a 5-year warranty as outlined in the current list price book.

Notes

Pyramid®



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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

DC3000 Series

Door Closers



Applications

DC3000

DC3000 Series

Applications

The mid-priced, cost-effective choice for high-traffic situations. The DC3000 Series Door Closers fulfill security and life safety requirements by ensuring reliable latching for access control and fire code compliance, along with ease of operation and precise adjustability for barrier-free code compliance. Ideal for virtually all door openings and draft conditions in both new construction and renovations, including:

- Schools and universities
- Health care
- Government
- Commercial and industrial
- Office and retail
- Transportation and utilities
- Hotels and conference centers
- Religious

Advantages


- Meets or exceeds ANSI/BHMA A156.4 Grade 1 requirements
- Compliance with building and barrier-free codes 
- Up to full 180° door opening
- One-piece seamless steel spring tube seals in hydraulic fluid
- Tapered valves allow precise adjustment
- Cast iron body
- Quik-Install™ mounting bracket speeds installation, reducing cost and errors
- Five-year limited warranty
- UL10C, UBC
- Powder painted arms and retrofit plates

Table of Contents

Applications.....	2
Features.....	3 & 4
Mountings.....	5 & 6
Door Closer Arms.....	7 & 8
Mounting Brackets.....	9
Brackets and Covers.....	10
Size and Handing.....	11
How to Order.....	12
Quick Codes.....	13
Helpful Terms.....	14
How to Specify.....	15

Overview of Features

Features	DC3200 Closers
Spring power	Multi-sized; Adjustable 1-6
Latching speed valve	Standard
Closing speed valve	Standard
Backcheck intensity valve	Standard
Delayed action valve	Optional
Parallel arm mounting	Optional
Top jamb mounting	Optional
Hold open	Optional
Sex nuts and bolts (SNBs)	Optional
Corrosion protection	Optional
Full cover	Standard
Five-year warranty	Standard
Heavy-duty regular arm	Optional
Heavy-duty parallel arm	Optional
Backstop arm	Optional

Finishes		
Old Designation	Description	Specify
USP	Primed	600
SBL	Silver Aluminum	689
LBL	Dark Bronze	690
DBL	Light Bronze	691
FBL	Black	693
GBL	Satin Brass	696

Features

DC3000

Features

Spring Power

Multi-sized; fully adjustable 1 through 6.

Handing

Non-handed.

Body

Cast iron case with seamless cold-headed steel spring tube.

Arm

Standard: forged steel. Optional arms, pages 7 and 8.

Spindle

Cold-headed heat-treated steel.

Piston

1-3/8" diameter; Precision machined, heat-treated steel.

Springs

Chrome silicon wire.

Valves

Latching speed, closing speed and backcheck intensity valves standard. Delayed action valve optional (preset for 20 seconds; between 90° and 70° for all mountings.) To order, specify M71.

Seals

"O" rings.

Fluid

Standard high lubricity extreme temperature hydraulic fluid.

Degree of Opening

Up to full 180° opening standard for regular, top jamb and parallel arm mountings, conditions permitting.

Power Adjustment Arm Bracket

15% adjustment standard.

Cover

Non-metallic full cover.

Mountings

Standard: regular arm and top jamb. Parallel arm or tri-style packaging - specify DC3210
Optional mountings; see page 6.

Mounting Bracket

Quik-Install™ mounting bracket standard.

Fasteners

Standard: self-drilling screws.
Optional: sex nuts and bolts (SNBs); Specify M54.

Corrosion Protection

Painted protective coating on all metal surfaces for use in corrosive environments. Specify M75.

Warranty

Five-year limited warranty. Refer to Corbin Russwin price book for details.

Certification/Compliance



Barrier-Free Code Compliance

The DC3000 Series Door Closers listed below conform to the 5 lbf. maximum door opening force requirement for non-fire-rated interior hinged doors, according to:

Americans with Disabilities Act (ADA)

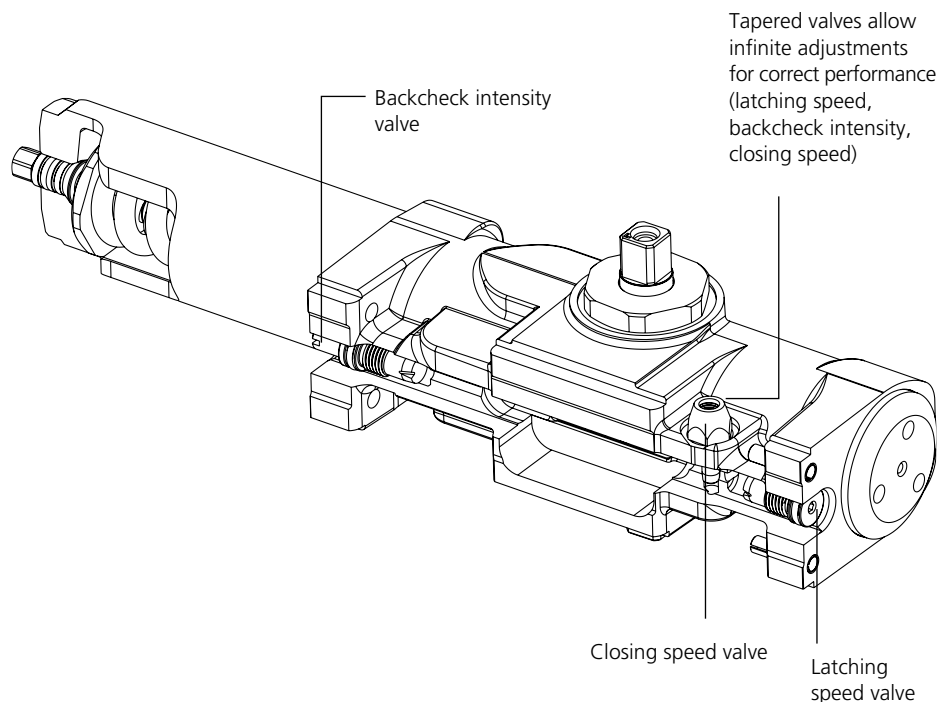
Complies with the Accessibility Guidelines for Buildings and Facilities, Section 4.13.11.

ANSI/BHMA Certified

A156.4, Grade 1.
A117.1.

UL / ULC / UL10C

Listed for fire and cycle requirements.





DC3200 Regular Arm Mounting

- Most common mounting, providing the greatest closing efficiency
- Closer is mounted on the pull side, with the arm perpendicular to the face of the door
- Arm bracket is attached to the door frame



DC3210 Parallel Arm Mounting

- Allows inside application of closer on out-swinging doors
- Closer is mounted on the push side, with the arm parallel to the face of the door
- Arm does not project from the opening

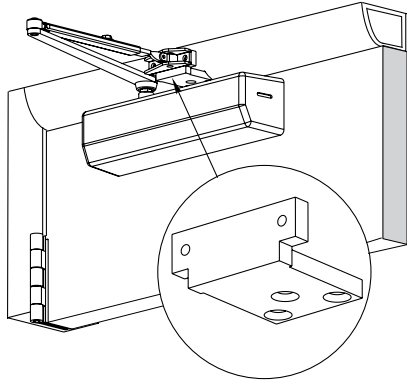


DC3220 Top Jamb Mounting

- Accommodates reveals up to 3-1/4" (83mm)
- Closer is mounted on the push side, with the arm perpendicular to the face of the door
- Arm bracket is mounted on the door
- Minimum 1-3/4" (44mm) top jamb required

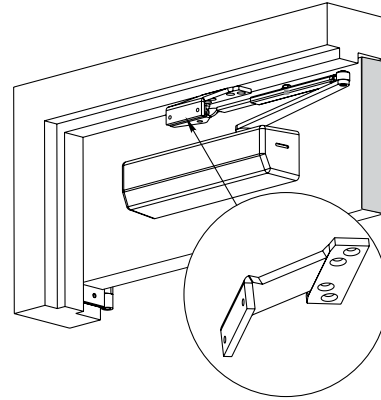
Mountings

DC3000



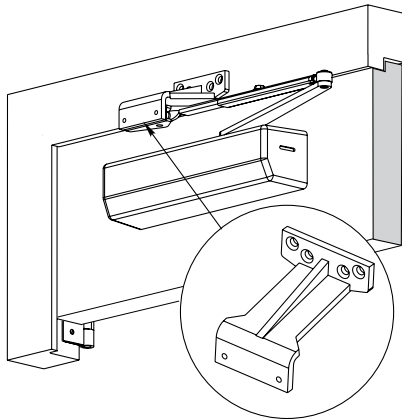
Regular Arm Mounting with Mortise Arm Bracket

Used on inadequately reinforced frames, such as those with bull nose trims.



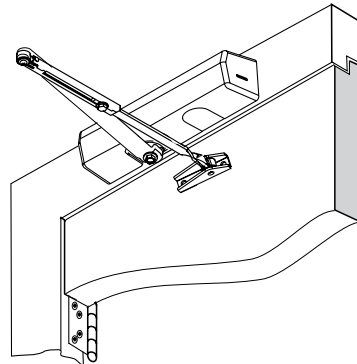
Parallel Arm with Offset Angle Bracket Mounting

Allows parallel arm mounting when used with an overhead door holder.



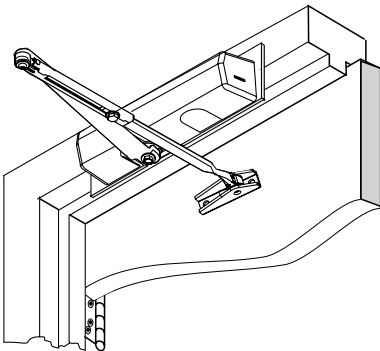
Parallel Arm Mounting with Flush Transom Bracket

Allows parallel arm mounting on flush transom applications.



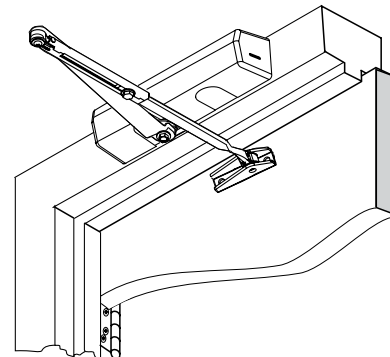
Top Jamb Flush Transom Mounting

Closer is top jamb mounted on the push side; arm is attached to the door.



Narrow Frame Mounting

For use when the frame is too narrow for a normal top jamb or top jamb track mounting. (Shown with 188F65 drop plate)



Top Jamb Deep Reveal Mounting

For reveals greater than 3-1/4" (83mm), up to 7-1/4" (184mm).

Door Closer Arms

DC3000

**540F10
(Non-Hold Open)**



**540F12
(Hold-Open)**



Regular Arm

- Used with regular arm mounting (pull side) and top jamb mounting (push side)
- Non-Hold Open arm standard on the DC3200
- Hold Open arm optional, specify closer x **A1***

**597F52
(Non-Hold Open)**



Heavy-Duty Regular Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on pull side
- Optional on DC3200 closer, specify closer x **A10**

**540F10 x 188F41
(Non-Hold Open)**



Parallel Arm

- Mounted on push side
- Non-Hold Open arm combines regular arm with parallel arm mounting bracket
- Hold Open arm combines regular hold open arm with parallel arm mounting bracket
- Non-Hold Open arm standard on the DC3210
- Hold Open arm optional, specify closer x **A1***

**540F12 x 509F49
(Hold Open)**



*Not allowed by code on fire doors.

Door Closer Arms

DC3000

540F11 (Non-Hold Open)



Top Jamb

- Used with top jamb mounting (push side); for reveals up to 3-3/4" (95 mm)
- Non-Hold Open arm standard on the DC3220
- Hold Open arm optional, specify closer x **A1***

540F13 (Hold Open)



689F02 (Non-Hold Open)



Heavy-Duty Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on push side
- Optional on DC3210 closers
- Non-hold open arm, specify closer x **A3**
- Hold open arm, specify closer x **A2***. Hold-open range 85° to 110°

689F01 (Hold Open)



689F03 (Non-Hold Open)



Heavy-Duty Reversible Backstop Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm (mounted on push side)
- Field-reversible steel lug restricts degree of opening to protect door, wall and hardware
- Requires both backcheck valves on closer
- Shipped standard as left hand. Handing can be reversed in the field
- Optional on DC3210 closers
- Non-hold open arm, specify closer x **A4**. Door stop range 85° to 110°
- Hold open arm, specify closer x **A5***. Door stop/hold open range 85° to 110°

689F04 (Hold Open)



Mounting Brackets

DC3000

188F03



Quik-Install™ Mounting Bracket

- Standard on all closers
- Reduces installation time
- Ensures correct mounting
- Bracket is first mounted to door or frame, then closer is attached
- Bracket size: 1-3/4" (44mm) (vertical) x 6" (152mm) (horizontal)
- Hole spacing: 1" (25mm) (vertical) x 4-5/16" (110mm) (horizontal)

244F17



Mortise Arm Bracket for Regular Arm Mounting

- For regular arm mounting where frame requires reinforcement, i.e., on frames with bull nose trim
- Specify closer x M84

188F41



Parallel Arm Non-Hold Open Bracket

- Converts regular arm to parallel arm closer
- Standard with parallel arm mounting
- Packed with five screws and 691F78 spacer

509F49



Parallel Arm Hold Open Bracket

- Converts regular arm hold open to parallel arm hold open closer
- Standard with parallel arm hold open mounting

188F62



Parallel Arm Offset Bracket

- Required when parallel arm is used in conjunction with an overhead door holder
- Specify closer x M83

188F63



Parallel Arm Flush Transom Bracket

- Required when parallel arm mounting is used on a flush transom application
- Not available in plated finishes
- Specify closer x M82

Brackets and Covers

DC3000



Drop Plate (Option M80)

Permits parallel arm or top jamb mounting on door when top rail is too narrow to install closer in the regular manner. Minimum 2" top rail required. Optional on DC3000 closers; see Quick Codes, page 13. To order separately, specify drop plate number x Finish

Closer Series	Drop Plates
	Full Cover
DC3210	597F58
DC3220	188F65

Maximum Power



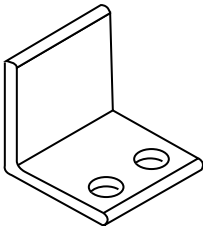
Normal Power



Power Adjustment Arm Bracket

Standard on all closers without hold open. In regular arm or top jamb mounting, bracket may be reversed to increase closing power 15%.

447F14



Angle Support Bracket and Spacer

- Available separately for mounting of A2, A3, A4 and A5 heavy-duty arms on narrow frame or soffit conditions
- Specify closer x M85

597F78



Full Cover

- Standard on all DC3000 series door closers
- Completely covers closer body
- Non-handed
- Dimensions: 11-5/8" (295mm) x 3" (76mm) x 2-3/4" (70mm) deep

Factors in Determining Closer Size

1 - Weight and Height of Door

Doors vary in weight from light hollow-core wood doors to heavy metal doors. Door sizes listed in the chart are based on doors of standard weight and height. Extra-light or extra-heavy weight or unusual height must be compensated for.

2 - Draft and Wind Conditions

Draft and wind conditions are perhaps the most important factors to consider in determining the closer size required. Sizes listed in the chart apply to normal conditions. Stairwells, air conditioning, building construction, and door location can cause strong draft and wind conditions; these may necessitate adjusting spring power to a larger size or using a closer one size larger.

3 - Code Compliance

A multi-sized, fully adjustable closer such as the DC3200 closer provides the greatest flexibility in balancing barrier-free access, security and life safety codes. However, when a manual closer is installed and adjusted to comply with ADA or any other reduced opening force requirements, it may no longer have sufficient power to close and latch the door reliably.

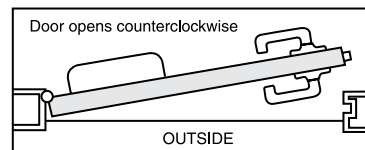
Mounting	Recommended Door Closer Sizes			Recommended Closer Size Adjusted
	Size Of Door			
	Interior	Exterior In-swinging	Exterior, Out-swinging	
Regular or Top Jamb	2'4"	-	-	1
	3'0"	-	-	2
	3'6"	2'6"	3'0"	3
	4'0"	3'0"	3'6"	4
	4'6"	3'6"	4'0"	5
	5'0"	4'0"	4'6"	6
Parallel Arm	2'4"	-	-	1
	2'6"	-	-	2
	3'0"	-	2'6"	3
	3'6"	-	3'0"	4
	4'0"	-	3'6"	5
	4'6"	-	4'0"	6

Handing

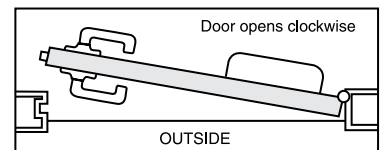
Refers to the direction a door swings; always determined from the outside of the door.

Regular Mounting

Door: left hand
Closer: left hand pull side

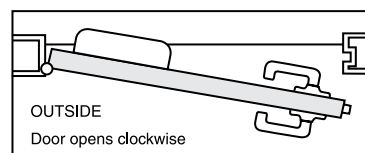


Door: right hand
Closer: right hand pull side

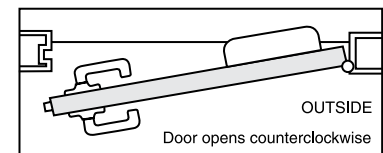


Parallel Arm Mounting

Door: left hand reverse bevel
Closer: right hand push side

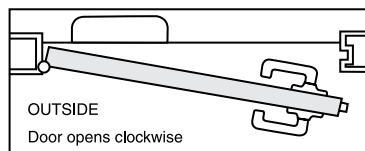


Door: right hand reverse bevel
Closer: left hand push side

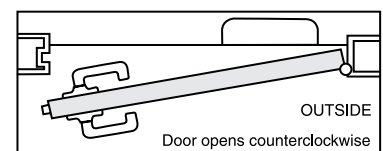


Top Jamb Mounting

Door: left hand reverse bevel
Closer: right hand push side



Door: right hand reverse bevel
Closer: left hand push side



How to Order

DC3000

ANSI/BHMA A156.4 Certified Closer Cross Reference

ANSI/BHMA Number	Function	Series	PT 4A 15% Power Adjustment	PT 4B 35% Power Adjustment	PT 4C 50% Power Adjustment	PT 4D Adjustable Backcheck	PT 4F Delayed Action PT	4G Dead Stop PT	4H Fully Adjustable
CO2011 (PT1)	Hinge Side Mounting	DC3200	S	S	S	S	O	N/A	S
CO2051 (PT1)	Hinge Side Mounting Holder Arm	DC3200-A1	S	S	S	S	O	N/A	S
CO2021 (PT1)	Parallel Arm Mounting	DC3210	S	S	S	S	O	O	S
CO2061 (PT1)	Parallel Arm Mounting Holder Arm	DC3210-A1	S	S	S	S	O	O	S
CO2041 (PT1)	Top Jamb Mounting	DC3220	S	S	S	S	O	N/A	S
CO2081 (PT1)	Top Jamb Mounting Holder Arm	DC3220-A1	S	S	S	S	O	N/A	S
CO2191 (PT1)	Drop Plate for Frames or Narrow Top Rail Doors	DC3220 w/ 188F65	S	S	S	S	O	N/A	S
CO2201 (PT1)	Drop Plate for Parallel Arm Mounting on Narrow Top Rail Doors	DC3210 w/ 188F65 or 597F58	S	S	S	S	O	O	S

ANSI Performance Requirements: (PT 1)- 2,000,000 cycles
N/A = not available S = standard O = option available

Ordering Examples

Stock Order		
Quantity	Series	Finish
50	DC3200	689

Contract Order						
Quantity	Series	Arm	Finish	Hand	Door Thickness	Misc. Options
150	DC3220	A1	690	RH	D138	M54

Consult factory if door weight exceeds 250lbs.

Quick Codes

DC3000

Series/Mounting/Size		
Description	Mounting	Specify
DC3200 Closers Multi-sized; full adjustability from size 1-6	Regular Arm	DC3200
	Parallel Arm	DC3210
	Top Jamb	DC3220

Arm	
Description	Specify
Regular non-hold open	(standard)
Hold open	A1*
Heavy-duty parallel with hold open	A2*
Heavy-duty parallel non-hold open	A3
Heavy-duty backstop non-hold open	A4
Heavy-duty backstop with hold open	A5*
Heavy-duty regular non-hold open	A10

* Hold Open arms cannot be used on fire doors.

Handing	
Hand	Specify
Right Hand/Left Hand Reverse	RH
Left Hand/Right Hand Reverse	LH

Finish	
Description	Specify
USP Primed for Painting	600
SBL Silver Aluminum Painted	689
LBL Dark Bronze Painted	690
DBL Light Bronze Painted	691
FBL Black Painted	693
GBL Satin Brass Painted	696

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

Miscellaneous Options	
Description	Specify
Sex nuts and bolts (SNBs) (1-3/4" minimum thickness)	M54
Delayed action	M71
Full cover	(standard)
Corrosion protection	M75
Heavy-duty parallel arm flush transom bracket (499F30) used with A2, A3, A4, A5 arms	M79
Parallel arm flush transom bracket (parallel or A1)	M82
Parallel arm offset bracket	M83
Mortise arm bracket (for regular arm mounting)	M84
Angle support bracket	M85
Extreme temperature fluid	(standard)

Drop Plates - order by number (formerly M80)	
Closer Series	Drop Plate
DC3210 (parallel)	597F58
DC3220 (top jamb)	188F65

Paint (cans)	
Description	Specify
Silver Aluminum	597F94
Dark Bronze	597F95
Light Bronze	597F96
Satin Brass	597F97

Helpful Terms

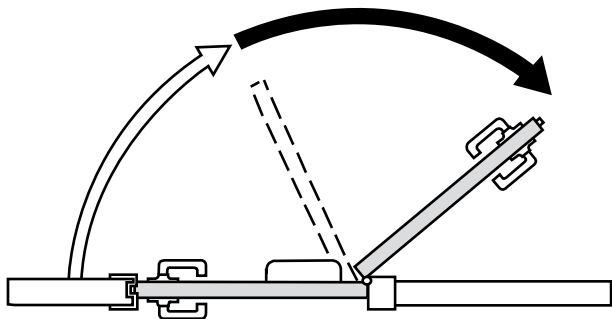
DC3000

Arm

The linkage of a closer that connects the body to the door or frame.

Backcheck

Slows a door during the opening cycle, by providing cushioned resistance to a forceful opening. Designed to protect people and objects behind the door and to prevent damage to the closer, hardware, and wall. Intensity can be increased or decreased. Not intended to act as a stop.



Closing Speed

The speed at which a door swings from the open position to within a few degrees of latching. See Latching Speed.

Corrosion Protection

Additional painted covering on all external parts to deter oxidation and corrosion.

Door Stop

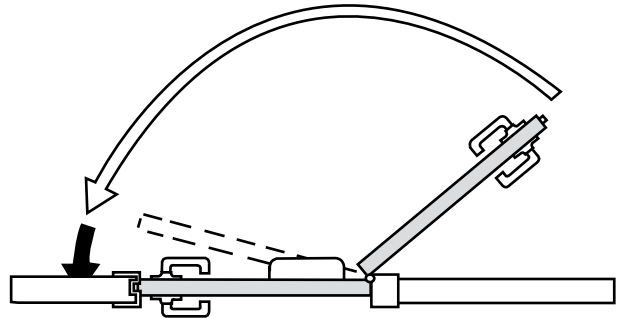
A device to stop the swing of a door.

Hold Open

Maintains door at a particular degree of opening. A mechanical hold open may not be used on labeled fire doors, which must be self-closing.

Latching Speed

The speed of the door during the last few degrees of closing. Allows latching and prevents slamming.



Mounting

The method by which a closer is attached to the door and frame.

Multi-Sized Closer

A closer whose spring tube design allows full adjustment of the spring power size from 1 through 6.

Quik-Install™ Mounting Bracket

Unique bracket that simplifies installation and minimizes installer fatigue.

Sex Nuts and Bolts (SNBs)

Thru-bolts required for all non-steel-reinforced fire doors, and recommended for non-reinforced wood and mineral core doors.

Spring Power

A measurement of closing force, or the ability to overcome draft, air pressure, weight or other resistance to door closing.

Star Punch

An eight-sided socket hole in the closer arm, permitting spindle pre-loading. Provides full functioning of backcheck and delayed action valves, and additional closing force, on parallel arm mountings.

Universal Mounting

The ability of a closer to accommodate either hand of door for regular, top jamb or parallel arm mounting.

Suggested Specifications

All door closers shall be DC3000 Series Door Closers as manufactured by Corbin Russwin Architectural Hardware.

Closers shall be of rack and pinion construction with a triple heat treated cold-formed steel spindle and a steel piston, heat treated and precision machined. Cases shall be of cast iron with a one-piece seamless forged spring tube. A two-piece or seamed spring tube shall not be acceptable. Springs shall be double heat treated and tempered. Closers shall have a heavy-duty, forged steel main arm.

Optional arms shall include parallel, hold open, heavy-duty, heavy-duty hold open, heavy-duty reversible backstop and heavy-duty reversible backstop with hold open.

Closers shall be multi-sized with adjustable spring power to accommodate sizes 1 through 6 in one closer body, such as the Corbin Russwin DC3200 closer. Closing shall be controlled by two valves - one to control closing speed and one to control latching speed. Valves shall be concealed against unauthorized adjustment and shall be non-critical with "O" rings.

Closers shall be available with an adjustable backcheck intensity valve. Delayed action shall be available and accomplished with a separate valve. Valves shall be accessible without removing the closer from the door.

Closers shall be surface applied with rectangular cover, and shall be devoid of manufacturer's trademarks.

Closers shall not project over 2-3/4", and shall be capable of mounting on a 1-3/4" top rail (or top jamb for inverted mounting). Full cover shall be standard. Non-hold open closers shall be regularly furnished with a power adjustment arm bracket capable of providing a 15% power adjustment. A Quik-Install™ mounting bracket to attach the closer shall be regularly furnished. High lubricity hydraulic fluid shall be furnished. Closers mounted top jamb and parallel arm shall allow for full 180° door opening.

Closers shall be listed by Underwriters' Laboratories for closers with non-hold open arms.

Certification:
ANSI/BHMA A156.4, Grade 1

ICC/ANSI A117.1
Closers shall carry a five-year limited warranty.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
www.corbinruswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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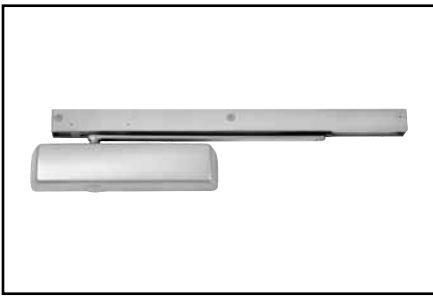
ASSA ABLOY

DC5000 Series

Cam Action Door Closer



ASSA ABLOY, the global leader
in door opening solutions



Introduction

DC5000

Table of Contents

Introduction.....	2
Features.....	3
Mountings.....	4
Accessories.....	5
How to Order.....	6
Quick Codes.....	6
Helpful Terms.....	7
Specifications.....	8

Applications

The DC5000 Series is a cam action door closer for slide arm and track applications. The cam action design is ideal, as it provides much greater efficiency than a rack and pinion door closer for slide track applications. The cam action provides much lower opening resistance while delivering optimum closing force and control. The door closer's wide range of adjustable closing power permits use in the most demanding situations. The efficiency and flat power curve comply with the opening force requirements of the Americans with Disabilities Act (ADA).

The DC5000 series cam action door closers come standard with adjustable sweep speed and latch speed, closing control and adjustable backcheck cushioning in the opening cycle. Ideal for door openings in both new construction and renovations, including:

- Hospitals
- Universities
- Office Buildings

Features

- Smooth operation; efficient, powerful, heavy-duty
- Easier to open than rack-and-pinion door closers with track arms
- Slide track application with regular arm operating efficiency
- Slide track standard
- Adjustable spring size 1 through 6
- Adjustable closing force
- Adjustable closing and latching speed
- Backcheck standard
- Non-handed
- Push or pull side installation
- Cast aluminum body

Optional Feature

- Hold open

Advantages

- Meets or exceeds ANSI/BHMA A156.4 Grade 1 requirements
- Compliance with building and barrier-free codes
- 110° opening range for Push Side and Pull Side installations
- Ten-year limited warranty
- UL10C, UBC

Features

DC5000

Features

Spring Power

Multi-sized; fully adjustable 1 through 6.

Handing

Non-handed.

Body

Cast aluminum body.

Arm

Standard: stamped steel.

Spindle

Machined spline.

Piston

1-1/2" diameter; Precision machined, heat treated steel.

Valves

Latching speed, closing speed and backcheck intensity valves standard.

Seals

"O" rings.

Fluid

Standard: high lubricity extreme temperature hydraulic fluid.

Degree of Opening

110° opening range for Push Side and Pull Side installations. Recommended maximum interior door width is 54" (137cm) and the recommended maximum door weight is 250 lbs.

Note: Door openings greater than 110° can be achieved when an auxiliary door stop (by others) is used. Consult factory for details and templates.

Cover

Standard: non-metallic full cover.

Mountings

Standard: slide track.

Fasteners

Standard: self-drilling screws, 1/4-20 machine screws.

Optional: sex nuts and bolts (SNBs); Specify M54.

Warranty

Ten-year limited warranty. Refer to Corbin Russwin price book for details.

Certification/Compliance



Barrier-Free Code Compliance

The DC5000 Series Door Closers listed below conform to the 5 lbf. maximum door opening force requirement for non-fire-rated interior hinged doors, according to:

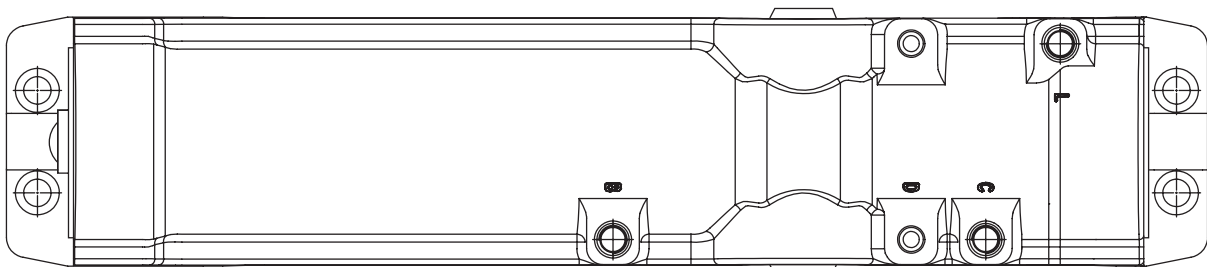
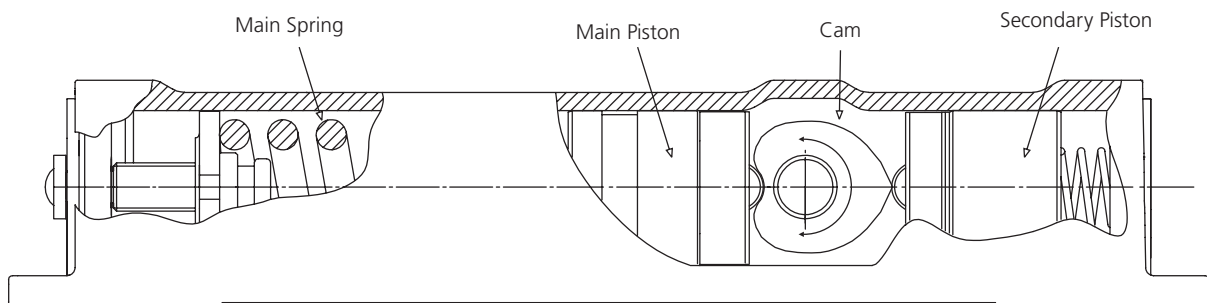
Americans with Disabilities Act (ADA)
Complies with the Accessibility Guidelines for Buildings and Facilities, Section 4.13.11

ANSI/BHMA

Meets A156.4, Grade 1.

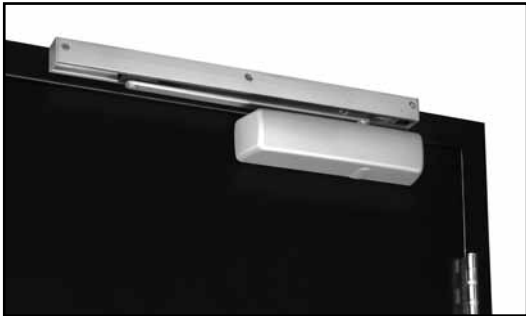
UL/ULC/UL10c

Listed for fire and cycle requirements.



Mountings

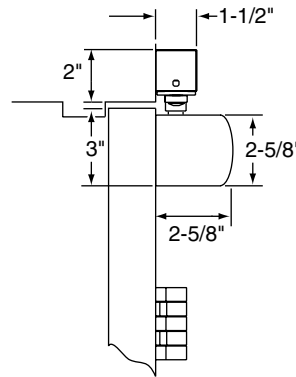
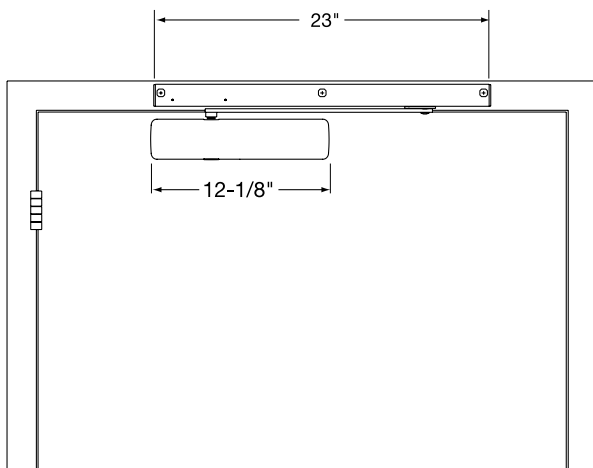
DC5000



DC5230 HINGE (PULL) SIDE OF DOOR

- Maximum interior door width 54" (137cm).
- An auxiliary stop (by others) is suggested where severe conditions exist.
- 110° swing (trim permitting)

Note: Door openings to 160° can be achieved if an auxiliary door stop (by others) is installed to dead stop the door. Consult factory for details.



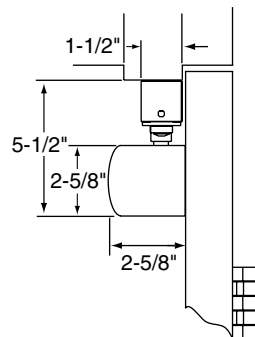
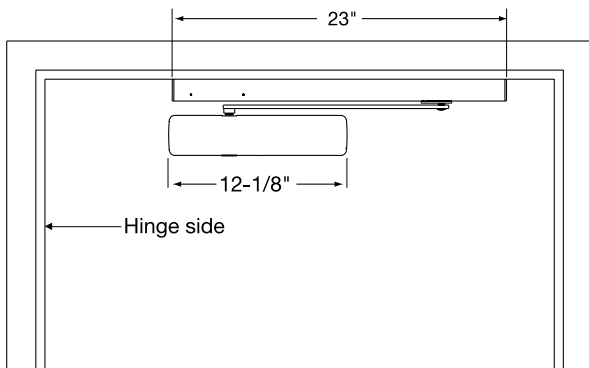
NOTE: Contact factory for use on doors exceeding 250 lbs.



DC5240 STOP (PUSH) SIDE OF DOOR

- Minimum frame reveal is 1-1/2" (13mm).
- An auxiliary door stop is suggested when severe conditions exist.
- 110° swing (trim permitting)

Note: Door openings up to 120° can be achieved if an auxiliary door stop (by others) is installed to dead stop the door. Consult factory for details.

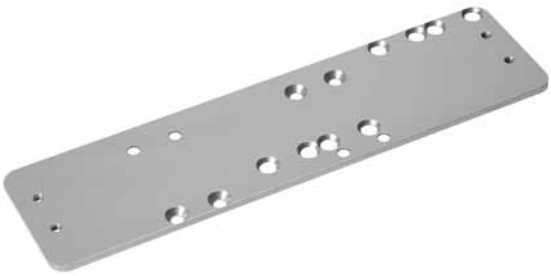


NOTE: Contact factory for use on doors exceeding 250 lbs.



Drop Plate

For use where the narrow top rail of the door prevents the closer from being mounted directly to the door surface. This drop plate must be used for closer mounted on a top rail between 1-7/8" and 3-3/8" (48mm and 86mm) in height. To order separately, specify 754F80 x Finish.



Retrofit Plate

Allows the DC5000 cam closer to replace the 4040 regular arm or parallel arm closers without modifying the existing hole patterns in the door. To order separately, specify 754F81 x Finish.

How to Order/Quick Codes

DC5000

Ordering Examples

Stock Order			
Quantity	Series	Arm	Finish
48	DC5230	A1	689

Contract Order				
Quantity	Series	Arm	Finish	Misc. Options
100	DC5240	A1	689	M54

Series/Mounting/Size		
Description	Mounting	Specify
DC5000 Closers Multi-sized; full adjustability from size 1-6	Pull Side Track	DC5230
	Push Side Track	DC5240

Finish		
Description		Specify
USP	Primed for Painting	600
SBL	Silver Aluminum Painted	689
LBL	Dark Bronze Painted	690
DBL	Light Bronze Painted	691
FBL	Black Painted	693
GBL	Satin Brass Painted	696

Arm	
Description	Specify
Regular non-hold open	(standard)
Hold open	A1*

Drop Plate - order by number	
Closer Series	Drop Plate
DC5230 (Pull Side Track)	754F80
DC5240 (Push Side Track)	

* Hold Open arms cannot be used on fire doors.

Handing	
Hand	Specify
Right Hand/Left Hand Reverse	RH
Left Hand/Right Hand Reverse	LH

Retrofit Plate - order by number	
Closer Series	Retrofit Plate
DC5230 (Pull Side Track)	754F81
DC5240 (Push Side Track)	

Door Thickness	
Door Thickness	Specify
1-3/4" (44mm)	(standard)

Paint (cans)	
Description	Specify
Silver Aluminum	597F94
Dark Bronze	597F95
Light Bronze	597F96
Satin Brass	597F97

Miscellaneous Options	
Description	Specify
Sex nuts and bolts (SNBs) (1-3/4" minimum thickness)	M54

Helpful Terms

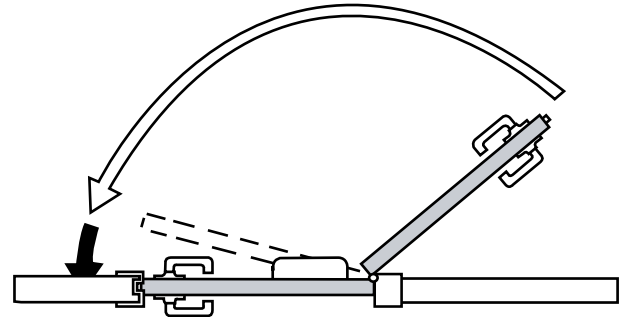
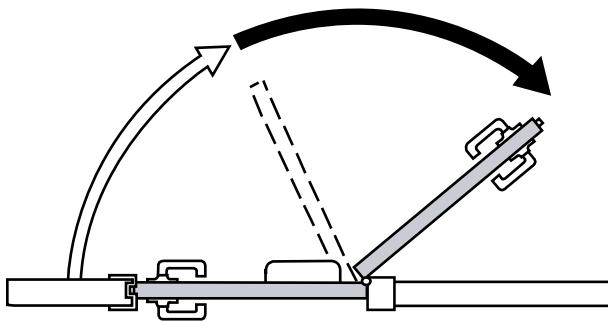
DC5000

Arm

The linkage of a closer that connects the body to the door or frame.

Backcheck

Slows a door during the opening cycle, by providing cushioned resistance to a forceful opening. Designed to protect people and objects behind the door and to prevent damage to the closer, hardware, and wall. Intensity can be increased or decreased. Not intended to act as a stop.



Mounting

The method by which a closer is attached to the door and frame.

Multi-Sized Closer

A closer whose spring tube design allows full adjustment of the spring power size from 1 through 6.

Sex Nuts and Bolts (SNBs)

Thru-bolts required for all non-steel-reinforced fire doors, and recommended for non-reinforced wood and mineral core doors.

Spring Power

A measurement of closing force, or the ability to overcome draft, air pressure, weight or other resistance to door closing.

Star Punch

An eight-sided socket hole in the closer arm, permitting spindle pre-loading. Provides full functioning of backcheck and delayed action valves, and additional closing force, on parallel arm mountings.

Universal Mounting

The ability of a closer to accommodate either hand of door for regular, top jamb or parallel arm mounting.

Closing Speed

The speed at which a door swings from the open position to within a few degrees of latching. See Latching Speed.

Door Stop

A device to stop the swing of a door.

Hold Open

Maintains door at a particular degree of opening. A mechanical hold open may not be used on labeled fire doors, which must be self-closing.

Latching Speed

The speed of the door during the last few degrees of closing. Allows latching and prevents slamming.

How to Specify

DC5000

Suggested Specifications

1. All door closers shall be DC5000 Series Door Closers as manufactured by Corbin Russwin Architectural Hardware.
2. Door Controls____ (interior) (exterior) swinging door(s) shall be cam and roller design contained within a precision cast aluminum housing.
3. Door closing force shall be adjustable to ensure adequate closing control. Door closing speed shall be controlled by independent hydraulic adjustment valves in the sweep and latch range of the closing cycle. Door closer shall have an adjustable hydraulic backcheck valve to cushion the door speed if door is opened violently.
4. Maximum door open shall be templated to (85°), (90°), (100°), (110°), conditions permitting. Door closer shall have hold open capability with an on/off selector and tension adjustment.
5. Non-hold open units shall be U.L. Listed for self-closing door. Unit shall be in compliance with the requirements of the Americans With Disabilities Act (ADA). ANSI standards A117.1. Units shall meet C-UL US.
6. Closers shall carry a ten-year limited warranty.

Notes

DC5000

Notes

DC5000

Notes

DC5000



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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

45204-6/11R

DC6000 Series

Door Closers



ASSA ABLOY, the global leader
in door opening solutions



Introduction

DC6000

Applications

Corbin Russwin's history combines high-quality product and innovative design. That tradition continues with the Grade 1 DC6000 Series door closer, designed and engineered with quality features such as captured valves and a complete range of arms. The DC6000 series is the perfect closer for high-use openings or openings that must meet ADA requirements, such as schools, office buildings, health care facilities, and retail complexes. The series also meets UL and UL10C positive pressure requirements for fire door openings.

Quality

More than meets the eye...The design of the DC6000 Series incorporates internal advantages engineered to provide consistent quality operation. Double O-rings, a robust spring tube design and captured valves ensure longevity.

Security

Engineered to meet high security standards, the DC6000 offers a full array of security features. Heavy-duty arms offer increased strength for high-use, high-abuse situations. Captured valves and optional Torx® security screws also assist in security situations by making the closer tamper resistant.

Key Advantages

- Heavy-duty forged arm
- Spring-adjust
- Captured valves
- Self-drilling screws
- Quik-Install™ bracket
- Cast iron body
- Retrofit plates
- Powder painted arms

Table of Contents

Introductions	2
Features.....	3 -5
Mountings	6-7
Arms Options.....	8-10
Mounting Brackets.....	11
Brackets and Covers.....	12-13
Size and Handing.....	14-15
Helpful Terms	16
How to Order	17
Quick Codes	18-19
Specifications.....	20-21

Versatility

Conditions vary from job to job, but a top-quality product that is dependable, easy to install and versatile is a must. The DC6000 Series door closer is the solution. A variety of features makes this the choice for retrofitting, quick installation, and longevity. Corbin Russwin offers a wide variety of arms, tracks and special brackets to meet special header/ frame conditions. The small footprint and unobtrusive cover are additional advantages to a versatile line of closers.

Features	Benefits
Exceeds 10 Million Cycles	Ensures dependability and long life
Closer Arms	Forged steel main arm for strength and durability Full complement to meet most installation demands
Powder Painted Arms	Environmentally safe process
	Greater corrosion resistance
Cover Options	Plastic covers - painted finishes Metal covers - painted or plated finishes
Cast Iron Body	Strong and durable; withstands expected abusive conditions
Captured Valves	Reduces possibility of valve removal
Spring Adjust	Easier to adjust for optimum power setting
Springs	Chrome silicon wire, triple set for longer life
Closer Fluid	Extended temperature oil with friction-reduction additives
Self-Drilling Screws	Easier, quicker installation
Quik-Install™ Bracket	Easier installation of closer body

Features

DC6000

DC6200 - Multi-Sized DC6400 - Sizes 1-6, half size adjustable

Features

Spring Power

DC6200 closers: multi-sized; fully adjustable sizes 1 through 6.
DC6400 closers: sizes 1 through 6; half-size adjustability.
For recommended sizes, see page 14.

Handing

Non-handed (with the exception of some arms and accessories).

Body

Cast-iron case with seamless cold headed steel spring tube.

Arm

Standard: forged steel.
Arm options pages 8-10.

Spindle

Heat-treated steel with a crowned gear set for increased efficiency.

Piston

1-3/8" diameter; precision machined, heat-treated steel.

Springs

Chrome silicon wire.

Valves

Latching speed valve standard.

Closing speed valve standard.

Multiple backcheck location valve and backcheck intensity valve standard.

Delayed action valve optional. Delayed action preset for 20 seconds. Between 90° and 70° for all mountings. To order specify M71.

Seals

"O" rings.

Fluid

Standard: high lubricity extreme temperature hydraulic fluid.

Degree of Opening

Up to full 180° opening standard for regular, top jamb and parallel arm mountings, conditions permitting.

Power Adjustment Arm Bracket

15% adjustment standard.

Cover

Standard: plastic V-O flame rated cover.
Optional: full metal cover; specify M73 x hand.

Mountings

Standard: regular or top jamb.
Parallel arm or tri-style packaging: specify DC6210 or DC6410.
Optional mountings available; see Mountings, page 6.

Mounting Bracket

Quik-Install™ mounting bracket standard.

Fasteners

Standard: self-drilling screws.
Optional: sex nuts and bolts (SNBs); specify M54.

Corrosion Protection

Painted protective coating on all metal surfaces for use in corrosive environments.

Security Package

Includes heavy-duty parallel or regular arm, full metal cover and security Torx® machine screws. Specify M87 x arm x hand. See pages 8-12 for arm options.

Warranty

25-year limited warranty. Refer to Corbin Russwin price book for details.

Finishes

Standard painted finishes

Old Designation	Description	Specify
USP	Primed	600
SBL	Silver Aluminum	689
LBL	Dark Bronze	690
DBL	Light Bronze	691
FBL	Black	693
GBL	Satin Brass	696
Plated finishes available on arms and full metal cover.		
US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626

For split finish of closer cover and arm, specify cover finish first, then arm finish (e.g., DC6200 x 625 x 689).

Certification/Compliance



Barrier-Free Code Compliance

The DC6000 Series Door Closers listed below conform to the 5 lbf. maximum door opening force requirement for non-fire-rated interior hinged doors, according to:

Americans with Disabilities Act (ADA)

Complies with the Accessibility Guidelines for Buildings and Facilities, Section 4.13.11

ANSI/BHMA

Meets A156.4, Grade 1.
Meets A117.1.

DC6200	DC6412
DC6210	DC6421
DC6220	DC6401
DC6411	

These door closers are certified by Corbin Russwin Architectural Hardware to comply with the above standards when properly installed and (if applicable) adjusted, in regular arm, parallel arm and top jamb mountings.

UL/ULC/UL10c

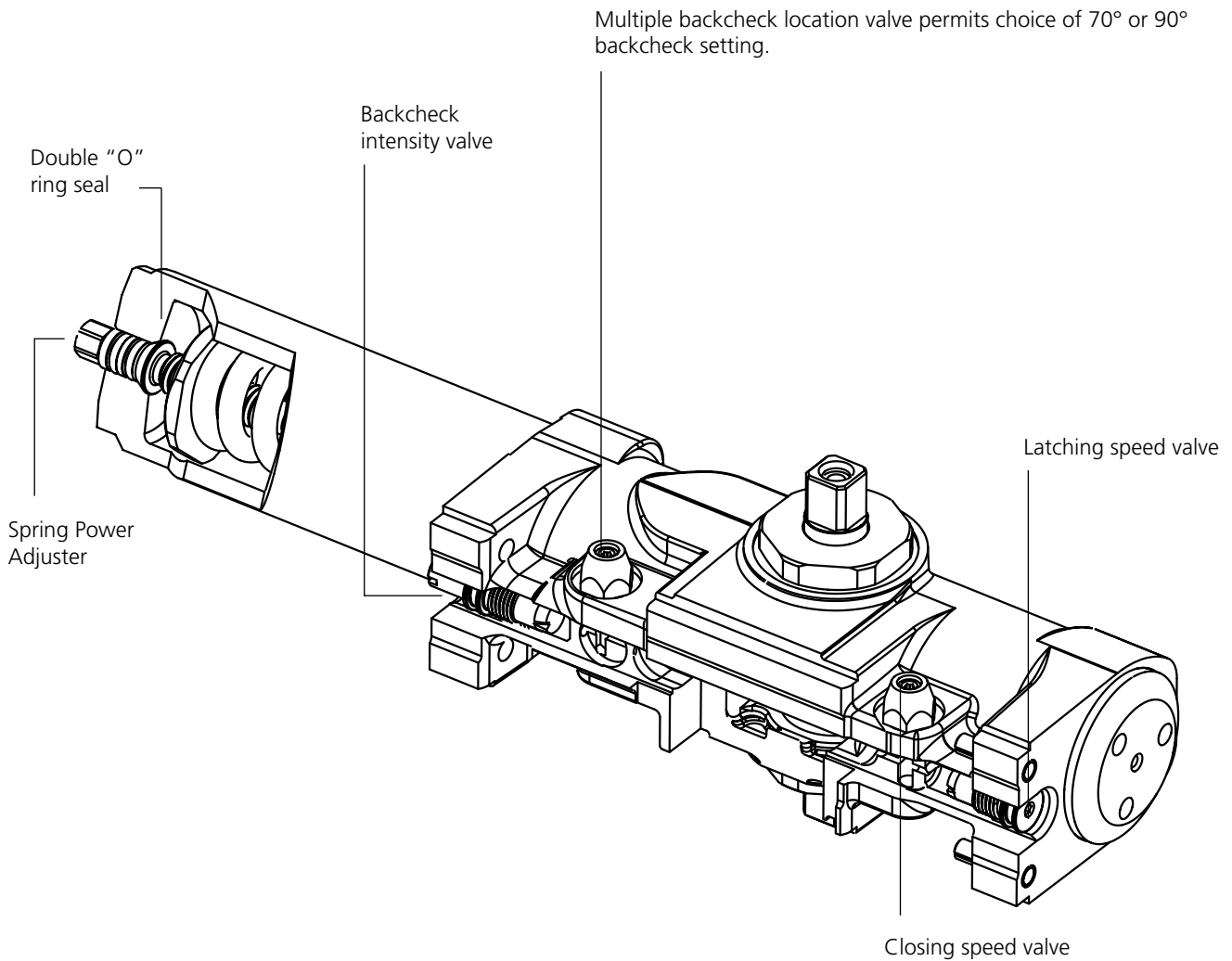
Listed for fire and cycle requirements.

10 Million Cycles

Witnessed and verified by UL

DC6200 - Multi-Sized

DC6400 - Sizes 1-6, half-size adjustable



Quik-Install™ mounting bracket included, see p11

Mountings and Applications

DC6000



Regular Arm Mounting DC6200, DC6400 Series

Most common mounting, providing the greatest closing efficiency. Closer is mounted on the pull side, with the arm almost perpendicular to the face of the door. Arm bracket is attached to the door frame.



Parallel Arm Mounting DC6210, DC6410 Series

Allows inside application of closer on out-swinging doors. Closer is mounted on the push side, with the arm almost parallel to the face of the door. Arm does not project from the opening.



Top Jamb Mounting DC6220, DC6420 Series

Closer is mounted on the frame on the push side, with the arm perpendicular to the face of the door. Arm bracket is mounted on the door. Minimum 1-3/4" (44mm) top jamb required. Accommodates reveals up to 3-1/4" (83mm).



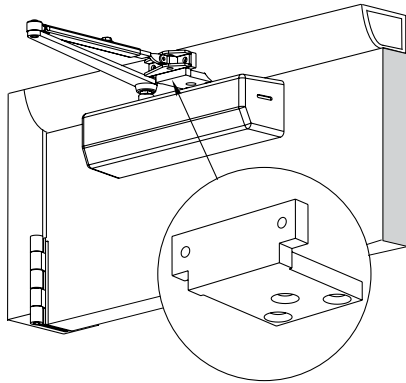
Track Mounting DC6230, DC6430 Series

Closer is top jamb mounted on the pull side; arm is connected to a door-mounted track. Maximum degree of opening is 110°. Maximum closing power is size 4. Minimum 3" (76mm) frame face required.



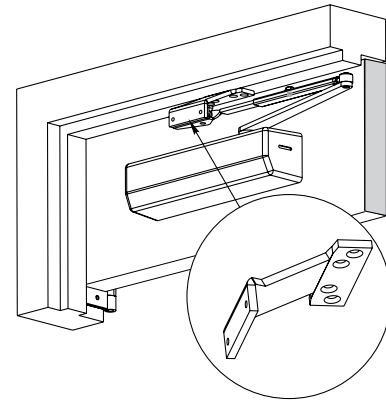
Track Mounting DC6240, DC6440 Series

Closer is mounted on push side of door; arm is connected to a stop-mounted track. Maximum degree of opening is 110°. Maximum closing power - size 4.



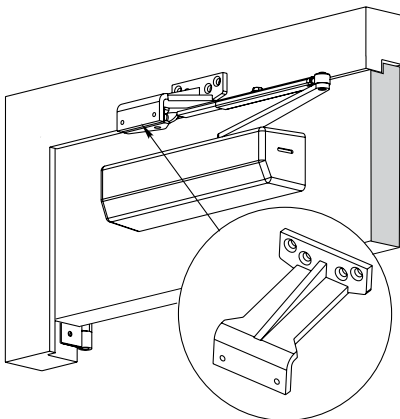
Regular Arm Mounting with Mortise Arm Bracket

Used on inadequately reinforced frames, such as those with bull nose trims.



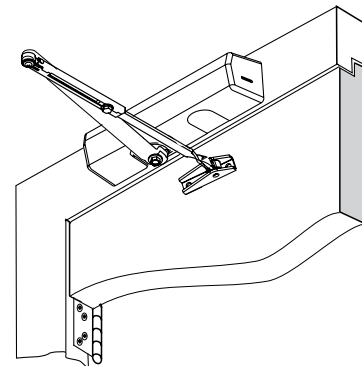
Parallel Arm with Offset Angle Bracket Mounting

Allows parallel arm mounting when used with an overhead door holder.



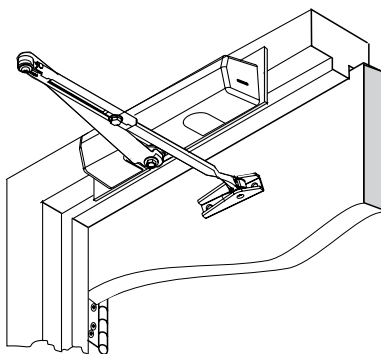
Parallel Arm Mounting with Flush Transom Bracket

Allows parallel arm mounting on flush transom applications.



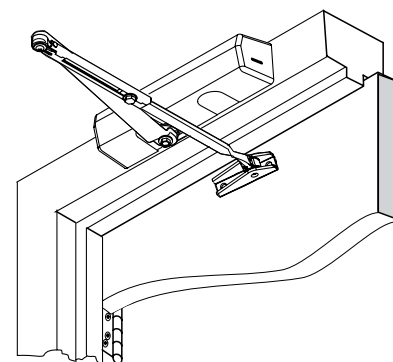
Top Jamb Flush Transom Mounting

Closer is top jamb mounted on the push side; arm is attached to the door.



Narrow Frame Mounting

For use when the frame is too narrow for a normal top jamb or top jamb track mounting. (Shown with 188F65 drop plate)



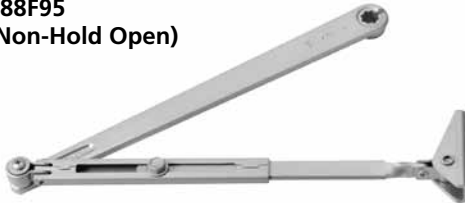
Top Jamb Deep Reveal Mounting

For reveals greater than 3-1/4" (83mm), up to 7-1/4" (184mm).

Arm Options

DC6000

**688F95
(Non-Hold Open)**



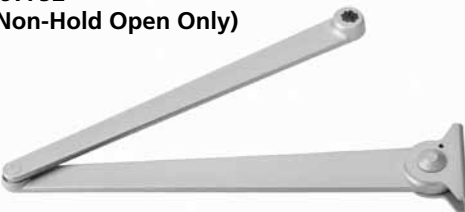
**688F77
(Hold Open)**



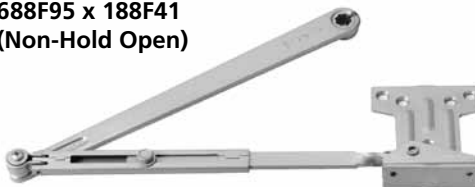
**691F72
(Non-Hold Open)**



**597F52
(Non-Hold Open Only)**



**688F95 x 188F41
(Non-Hold Open)**



**688F77 x 509F49
(Hold Open)**



Regular Arm

- Used with regular arm (pull side) and top jamb (push side) mounting
- Available in painted or plated finishes
- Non-hold open arm standard on the DC6200 and DC6400 closers
- Hold open arm optional, specify closer x **A1***

Deep Reveal Arm (3-3/8" (86mm) - 7-1/4" (184mm))

- Accommodates top jamb mounting for reveals up to 7-1/4" (184mm), depending on door and frame conditions
- Mounted on push side
- Available in painted or plated finishes
- Optional on DC6220 and DC6420 closers
- Non-hold open, specify closer x **A6**
- Hold open, specify closer x **A8***

Non-Hold Open	691F72
Hold Open	691F74

Heavy-Duty Regular Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on pull side
- Not available in plated finishes
- Optional on DC6200 and DC6400 closers, specify closer x **A10**

Parallel Arm

- Mounted on push side
- Non-hold open arm – combines regular arm with parallel arm mounting bracket
- Available in painted or plated finishes
- Hold open arm – combines regular hold-open arm with parallel arm mounting bracket
- Non-hold open arm standard – order DC6210 or DC6410 series
- Hold open arm optional, specify closer x **A1***

Specify finish when ordering arms. *Not allowed by code on fire doors.

**689F02
(Non-Hold Open)**



**689F01
(Hold Open)**



Heavy-Duty Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on push side
- Not available in plated finishes
- Optional on DC6210 and DC6410 closers
- Non-hold open arm, specify closer x **A3**
- Hold open arm, specify closer x **A2***. Hold-open range 85° to 110°
- For use with overhead stops, specify closer x **A13** (see page 10)

**689F03
(Non-Hold Open)**



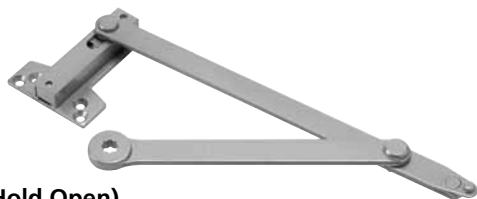
**689F04
(Hold Open)**



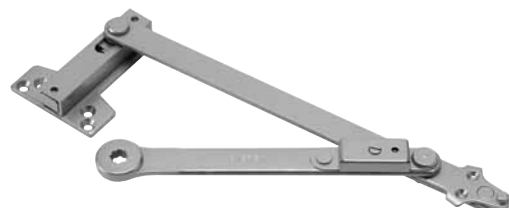
Heavy-Duty Reversible Backstop Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on push side
- Not available in plated finishes
- Optional on DC6210 and DC6410 closers
- Field-reversible steel lug restricts degree of opening to protect door, wall and hardware
- Shipped standard as left hand. Handing can be reversed in the field
- Non-hold open arm, specify closer x **A4**. Door stop range 85° to 110°
- Hold open arm, specify closer x **A5***. Door stop/hold open range 85° to 110°

(Non-Hold Open)



(Hold Open)



Heavy-Duty Spring Stop Parallel Arm

- Recommended for high-use, high-abuse environments
- Integrates a door closer, shock absorber and auxiliary heavy-duty overhead stop
- Not available in plated finishes
- Hold open*
 - Holder mechanism tension adjustable
 - Hold open can be engaged/disengaged with a 1/4 turn of the mechanism with a standard blade type screwdriver
- Optional on DC6210 and DC6410 closers
- Non-hold open arm, specify closer x **A11 x door width**. Door stop range 85° to 110°.
- Hold open arm, specify closer x **A12* x door width**. Door stop/hold open range 85° to 110°.

Refer to page 12 for bracket information

Specify finish when ordering arms.

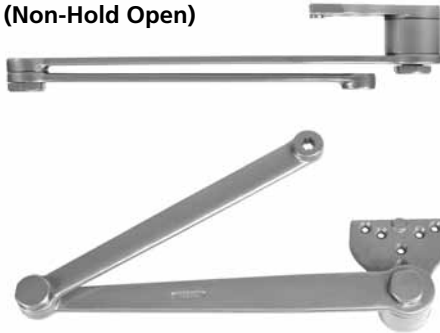
*Not allowed by code on fire doors.

Door Width	Model Number	
	Non-Hold Open	Hold Open
28" - 32" (71cm - 81cm)	615F52	615F51
33" - 41" (84cm - 104cm)	615F54	615F53
42" - 48" (107cm - 122cm)	615F56	615F55

Arms and Brackets

DC6000

691F96 (Non-Hold Open)



Heavy-Duty Extra Clearance Parallel Arm

- Recommended for high-use, high-abuse environments
- Provides additional vertical clearance
- Mounted on push side
- Not available in plated finishes
- Optional on DC6210 and DC6410 closers
- Non-hold open arm only, specify closer x **A13**

Standard Clearance	Closer	With Spacer	Quick Code	Total Clearance
1-3/4"	DC6210	597F92	M77	2-1/4"
		597F93	M78	2-3/8"



Heavy-Duty Parallel Hold Open Arm

- Recommended for high-use, high-abuse environment
- Requires auxiliary stop (by others)
- Handed
- Mounted on push side
- Not available in plated finishes
- Allows door to swing 180°, conditions permitting
- Optional on DC6210 and DC6410 closers
- Hold open arm, specify closer x **A14***

Part Number	Handing
692F04	Right Hand
692F05	Left Hand

754F44 Shown



Pull Side Track Arm

- Provides a clean aesthetic look with maximum 110° door swing and a minimum door width of 28" (71cm)
- Mounted on pull side
- Not available in plated finishes
- Non-hold open standard on DC6230 or DC6430 closers
- Hold open, specify closer x **A1***
- Hold open function can be turned on or off using a standard blade screw driver
- Stop/Hold open can be set for 85°, 90°, 95°, or 100°

	Track and Arm	Track Only	Arm Only
Non-Hold Open	754F44	754F09	754F16
Hold Open	754F45	754F10	

754F13 Shown



Push Side Track Arm

- Clean aesthetic look for doors opening a maximum of 110° and a minimum door width of 32" (81cm)
- Mounted on push side
- Not available in plated finishes
- Non-hold open standard on DC6240 and DC6440 closers. For hold open, specify closer x **A1***
- Stop/hold open can be set for 85°, 90°, 95° or 100°
- Hold open function can be turned on or off using a standard blade screw driver

	Track and Arm	Track Only	Arm Only
Non-Hold Open	754F12	754F14	754F16
Hold Open	754F13	754F15	

Specify finish when ordering arms or tracks.

*Not allowed by code on fire doors.

188F03



Quik-Install™ Mounting Bracket

- Standard on all closers
- Reduces installation time
- Ensures correct mounting
- Bracket is first mounted to door or frame, then closer is attached
- Bracket size: 1-3/4" (44mm) (vertical) x 6" (152mm) (horizontal)
- Hole spacing: 1" (25mm) (vertical) x 4-5/16" (110mm) (horizontal)

244F17



Mortise Arm Bracket for Regular Arm Mounting

- For regular arm mounting where frame requires reinforcement, i.e., on frames with bull nose trim
- Not available in plated finishes
- Specify closer x M84

188F41



Parallel Arm Non-Hold Open Bracket

- Converts regular arm to parallel arm closer
- Standard with DC6210 and DC6410 closers
- Packed with five screws and 691F78 spacer

509F49



Parallel Arm Hold Open Bracket

- Converts regular arm hold open to parallel arm hold open closer
- Standard with DC6210 x A1 or DC6410 x A1 closer

188F62



Parallel Arm Offset Bracket

- Required when parallel arm is used in conjunction with an overhead door holder
- Specify DC6210 x M83 or DC6410 x M83 closer

188F63



Parallel Arm Flush Transom Bracket

- Required when parallel arm mounting is used on a flush transom application
- Not available in plated finishes
- Specify DC6210 x M82 or DC6410 x M82 closer

Specify finish when ordering parts.

Brackets

DC6000

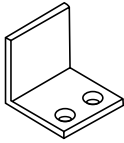
499F30



Flush Transom Bracket

- Available separately for mounting A2, A3, A4, A5, A13 and A14 heavy-duty arms on rabbeted or flush transom conditions
- Not available in plated finishes
- Specify closer x M79

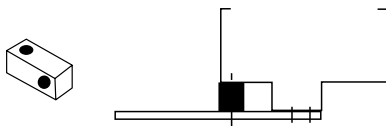
447F14



Angle Support Bracket

- Available separately for mounting A2, A3, A4, A5, A13 & A14 heavy-duty arms on narrow frame or soffit conditions
- Specify DC6210 x M85 or DC6410 x M85 closer

691F78



Spacer Block

- For use where a narrow frame soffit does not provide adequate surface to support the fifth arm bracket mounting hole
- Supplied standard with DC6210 and DC6410 non-hold open closers with A2, A3, A4, A5, A13 and A14 heavy-duty parallel arms

597F92 (1/2")
597F93 (5/8")



Blade Stop Spacer

- Available for use with A2, A3, A4, A5, A13 & A14 heavy-duty arms.
- Specify closer x M77 (597F92)
- Specify closer x M78 (597F93)

Maximum
Power



Normal
Power

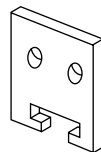
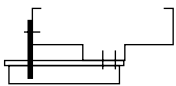


← Hinge location

Power Adjustment Arm Bracket

- Standard on all closers without hold open, except heavy-duty and track type
- In regular arm or top jamb mounting, bracket may be reversed to increase closing power 15%

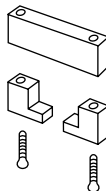
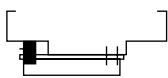
615F58



Reinforcing Bracket

- Supplied as standard for use with A11 and A12 spring stop arms
- Provides additional support to the soffit plate on installations with door frame reveals from 1-7/8" to 4-5/8" (48 to 117mm)
- Not available in plated finishes

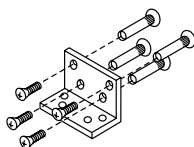
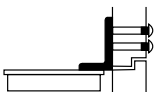
615F59



Deep Reveal Reinforcement Kit

- For use with A11 and A12 spring stop arms
- Used to support the soffit plate on installations with deep frames. Clamps may be used with or without the spacer block, depending on frame conditions
- Not available in plated finishes
- For frames deeper than 4-5/8" (117mm), specify closer x M103

615F60



Flush Partition Bracket

- For use with A11 and A12 spring stop arms where rabbeted or flush transom conditions prevent installation of the soffit plate assembly
- Bracket fastens to the overhead transom to provide a mounting surface for the soffit plate assembly
- Specify DC6210 x M104 or DC6410 x M104 closer

Specify finish when ordering parts.

597F78



Full Cover

- Standard on all DC6000 series door closers
- Completely covers closer body
- Non-handed
- Dimensions: 11-5/8" (295mm) x 3" (76mm) x 2-3/4" (70mm) deep
- Available in painted finishes only
- Flame rated V-O material compliant with UL10C

Full Metal Cover

- For use in high-abuse applications or when an architectural plated finish is desired
- Specify hand; not field reversible
- Available in painted and plated finishes
- Dimensions: 11-1/2" (292mm) x 2-7/8" (73mm) x 2-3/4" (70mm) deep



Part Number	Handing
603F55	RH/LHR
603F57	LH/RHR

Drop Plate

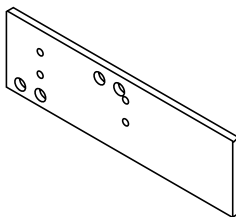
Permits parallel arm mounting on door when top rail is too narrow to install closer in the regular manner. Minimum 2-5/8" (67mm) top rail required. Jamb mounted where there is insufficient ceiling clearance for standard mounting or where it is necessary to allow vertical arm clearance for overhead door holders or frame gasketing. To order separately, specify Part No. x Finish.



Closer Series	Drop Plate
	With Full Cover
DC6210, DC6410	597F58
DC6220, DC6420	188F65
DC6240, DC6440	597F58

Retrofit Plates

For installation of Corbin Russwin DC6200 and DC6400 closers where doors & frames have been prepared for LCN heavy-duty surface closers. To order with closers specify Closer x Quick Code, see page 19.



To Replace LCN Model		Model Number
4040/4041	Regular Arm	615F63
4040/4041	Parallel Arm	615F61
4110EDA	Parallel Arm	615F64
4010	Regular Arm	615F62

Door Closer Sizes

DC6000

Factors in Determining Closer Size

1 – Weight and Height of Door

Doors vary in weight from light hollow-core wood doors to heavy metal doors. Door sizes listed in the chart are based on doors of standard weight and height. Extra-light or extra-heavy weight or unusual height must be compensated for.

2 – Draft and Wind Conditions

Draft and wind conditions are perhaps the most important factors to consider in determining the closer size required. Sizes listed in the chart apply to normal conditions. Stairwells, air conditioning, building construction, and door location can cause strong draft and wind conditions; these may necessitate adjusting spring power to a larger size or using a closer one size larger.

3 – Location of Closer

The degree of door opening required determines the location of the closer on the door. Closer sizes listed in the chart are based on 180° opening.

4 – Special Conditions

Deep reveals require optional extended arms. A top jamb plate is required when the jamb is too narrow for a normal top jamb mounting.

5 – Code Compliance

A multi-sized, fully adjustable closer such as the DC6200 closer provides the greatest flexibility in balancing barrier-free access, security and life safety codes. However, when a manual closer is installed and adjusted to comply with ADA or any other reduced opening force requirements, it may no longer have sufficient power to close and latch the door reliably.

Recommended Door Closer Sizes				
Application	Door Width			Recommended Closer Size
	Interior	Exterior, In-Swinging	Exterior, Out-Swinging	
Regular or Top Jamb	2'4" (71cm)	—	—	1
	3'0" (91cm)	—	—	2
	3'6" (107cm)	2'6" (76cm)	3'0" (91cm)	3
	4'0" (122cm)	3'0" (91cm)	3'6" (107cm)	4
	4'6" (137cm)	3'6" (107cm)	4'0" (122cm)	5
	5'0" (152cm)	4'0" (122cm)*	4'6" (137cm)*	6
Parallel Arm	2'4" (71cm)	—	—	1
	2'6" (76cm)	—	—	2
	3'0" (91cm)	—	2'6" (76cm)	3
	3'6" (107cm)	—	3'0" (91cm)	4
	4'0" (122cm)	—	3'6" (107cm)*	5
	4'6" (137cm)	—	4'0" (122cm)*	6

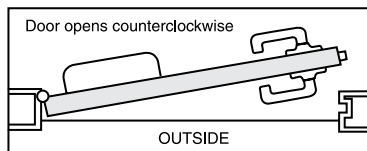
* Due to half-size adjustability, the DC6400 Series is recommended.

Handing

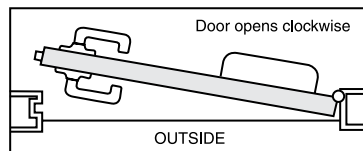
Refers to the direction a door swings; always determined from the outside of the door.

Regular Mounting

Door: left hand
Closer: left hand pull side

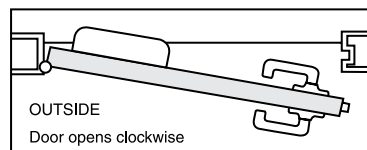


Door: right hand
Closer: right hand pull side

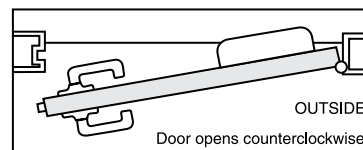


Parallel Arm Mounting

Door: left hand reverse bevel
Closer: right hand push side

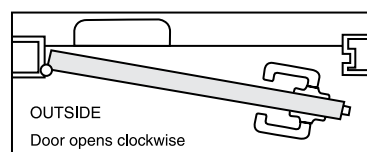


Door: right hand reverse bevel
Closer: left hand push side

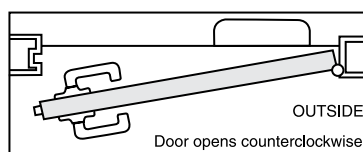


Top Jamb Mounting

Door: left hand reverse bevel
Closer: right hand push side



Door: right hand reverse bevel
Closer: left hand push side



Helpful Terms

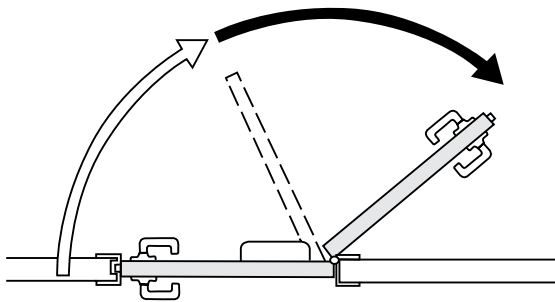
DC6000

Backcheck

Slows a door at approximately 70° of the opening cycle, by providing cushioned resistance to a forceful opening. Designed to protect people and objects behind the door and to prevent damage to the closer, hardware, and wall. Intensity can be increased or decreased. Not intended to act as a stop.

Backcheck Location

The point (approximately 70°) in the opening cycle where backcheck takes effect.



Closing Speed

The speed at which a door swings from the full open position to within a few degrees of latching. See Latching Speed.

Corrosion Protection

Additional painted covering on all external parts to deter oxidation and corrosion.

Delayed Action

Slows door closing speed between maximum opening and approximately 70°. Often specified to meet barrier-free codes which require longer closing times. Also used in high traffic situations (auditoriums, classrooms, etc.) or when carts and gurneys are pushed through the doors.

Door Stop

A device to stop the swing of a door.

Hold Open

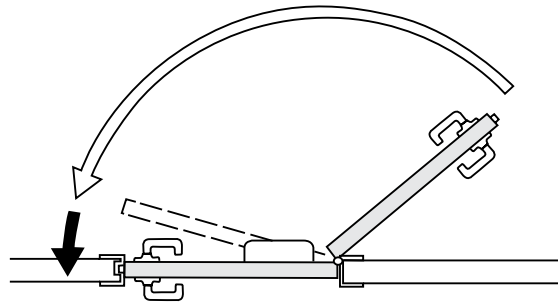
Maintains door at a particular degree of opening. A mechanical hold open may not be used on labeled fire doors, which must be self-closing.

Multi-Sized Closer

A closer whose spring design allows full adjustment of the spring power size from 1 through 6.

Latching Speed

The speed of the door during the last few degrees of closing. Allows latching and prevents slamming.



Mounting

The method by which a closer is attached to the door and frame.

Multiple Backcheck Location Valve

Valve that changes the degree of door angle where backcheck occurs.

Quik-Install™ Mounting Bracket

Unique bracket which simplifies installation and minimizes installer fatigue.

Sex Nuts and Bolts (SNBs)

Through-bolts required for all non-steel-reinforced fire doors, and recommended for non-reinforced wood and mineral core doors.

Sized Closer

A closer whose spring design allows for a fixed spring power size 1 through 6.

Spring Power

A measurement of closing force, or the ability to overcome draft, air pressure, weight or other resistance to door closing.

Star Punch

An eight-point hole in the closer arm, permitting spindle pre-loading. Provides full functioning of backcheck and delayed action valves.

Universal Mounting

The ability of a closer to accommodate either hand for regular, top jamb or (using a bracket) parallel arm mounting.

Ordering Examples

Stock

Quantity	Series/Mounting/Size	Finish	Misc. Options
50	DC6210	689	M54

Where to find ordering information and quick codes

Series/Mounting/Size	Page 17
Arm	Page 18
Finish	Page 18
Handing	Page 18
Door Thickness	Page 18
Miscellaneous Options	Page 19

Job Specific

Quantity	Series/ Mounting/Size	Finish	Hand	Thickness	Options
50	DC6413	626	RH	D138	M71-M73

Split Finish

Quantity	Series/Mounting/Size	Finish		Hand	Misc. Options
		Cover	Arm		
10	DC6210	626	689	RH	M54

Note:

- Door closer warranty becomes void if it is installed on the exterior side of a door in the exterior wall of a building
- It is strongly recommended, and it is required on fire door assemblies, that doors having a door closer be hung on ball-bearing or anti-friction hinges or pivots
- Failure to use the correct type and size fasteners may void factory warranty
- Fasteners for fire/smoke door assemblies must conform to NFPA 80. In some applications additional fasteners may be mandated by NFPA 80 that are not shipped with Corbin Russwin's standard product, such as sleeve-units/sex nuts or through-bolts and grommet nuts
- Consult factory if door weight exceeds 250lbs.

Series/Mounting/Size

Description	Mounting	Non-sized	Size 1 Specify	Size 2 Specify	Size 3 Specify	Size 4 Specify	Size 5 Specify	Size 6 Specify
DC6200 Closers Multi-sized; full adjustability from size 1-6	Regular arm	DC6200	—	—	—	—	—	—
	Parallel arm	DC6210	—	—	—	—	—	—
	Top jamb	DC6220	—	—	—	—	—	—
	Track (Pull Side)	DC6230	—	—	—	—	—	—
	Track (Push Side)	DC6240	—	—	—	—	—	—
DC6400 Closers Sized; 1/2-size adjustability	Regular arm	—	DC6401	DC6402	DC6403	DC6404	DC6405	DC6406
	Parallel arm	—	DC6411	DC6412	DC6413	DC6414	DC6415	DC6416
	Top jamb	—	DC6421	DC6422	DC6423	DC6424	DC6425	DC6426
	Track (Pull Side)	—	—	—	DC6433	DC6434	DC6435	DC6436
	Track (Push Side)	—	—	—	DC6443	DC6444	DC6445	DC6446

Quick Codes

DC6000

Arm

Arm	Specify Quick Code
Regular non-hold open	(standard)
Hold open	A1*
Heavy-duty parallel with hold open	A2*
Heavy-duty parallel non-hold open	A3
Heavy-duty backstop non-hold open	A4
Heavy-duty backstop with hold open	A5*
Deep reveal (3-3/8" -7-1/4")	A6
Deep reveal with hold open	A8*
Heavy-duty regular non-hold open	A10
Spring stop non-hold open (specify door width)	A11
Spring stop heavy-duty with hold open (specify door width)	A12*
Heavy-duty parallel arm with extra clearance	A13
Heavy-duty friction hold open arm (specify hand)	A14*
Push side track with hold open	A1*

*Hold open arms cannot be used on fire doors.

Handing

Hand	Specify
Left Hand/Right Hand Reverse	LH
Right Hand/Left Hand Reverse	RH

Blade Stop

Spacer	Specify Quick Code
1/2"	M77
5/8"	M78

Torx® Tool Kit Package

Description	Specify
Bits and driver	597F24

Finish

Standard painted finishes

Old Designation	Description	Specify Quick Code
USP	Primed for Painting	600
SBL	Silver Aluminum Painted	689
LBL	Dark Bronze Painted	690
DBL	Light Bronze Painted	691
FBL	Black Painted	693
GBL	Satin Brass Painted	696

Plated finishes available on arms and full metal cover

US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626

For split finish of closer cover and arm, specify cover finish first, then arm finish (e.g., DC6200 x 625 x 689).

Door Thickness

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

Miscellaneous Options

Description		Specify Quick Code
Torx® machine screws		M04
Sex nuts and bolts (SNBs) (1-3/4" minimum thickness)		M54
Backcheck intensity and location valves		(standard)
Delayed action		M71
Full cover		(standard)
Full metal cover (Handed)		M73
Extreme temperature fluid		(standard)
Corrosion protection		M75
1/2" spacer		M77
5/8" spacer		M78
Drop plates - order by number (formerly M80, M81 and M102 quick codes)		
Closer Series	Old Quick Ship #	Drop Plate With Full Cover
DC6210, DC6410 (Parallel)	M80	597F58
DC6220, DC6420 (Top Jamb)	M80	188F65
DC6230, DC6430 (Pull Side)	M81	597F59
DC6240, DC6440 (Push Side)	M102	597F59
Heavy-duty parallel arm flush transom bracket (499F30) used with A2, A3, A4, A5, A13 & A14 arms		M79
Parallel arm flush transom bracket (parallel or A1)		M82
Parallel arm offset bracket		M83
Mortise arm bracket (for regular arm mounting)		M84
Angle support bracket		M85
Spacer (691F78) (formerly M86 quick code)		(standard)
Security package (available with A2, A3, A4, A5 and A10 optional arms). Covers are handed.		M87
Retrofit kit LCN 4041 RA or PA		M101B
Retrofit kit LCN 4110EDA		M101C
Retrofit kit LCN 4010		M101D
Deep reveal reinforcement kit (available with A11 & A12 arms)		M103
Flush partition bracket (available with A11 & A12 arms)		M104
Lead-lined metal cover		M108

Specifications

DC6000

ANSI A156.4 Certified Closer Cross Reference

ANSI Number	Function	Series	PT 4A 15% Power Adjustment	PT 4B 35% Power Adjustment	PT 4C 50% Power Adjustment	PT 4D Adjustable Backcheck	PT 4F Delayed Action	PT 4G Dead Stop	PT 4H Fully Adjustable
CO2011 (PT 1)	Hinge Side Mounting	DC6200	S	S	S	S	O	N/A	S
		DC6400	S	S	S	S	O	N/A	N/A
CO2051 (PT 1)	Hinge Side Mounting	DC6200-A1	S	S	S	S	O	N/A	S
		DC6400-A1	S	S	S	S	O	N/A	N/A
CO2021 (PT 1)	Parallel Arm Mounting	DC6210	S	S	S	S	O	O	S
		DC6410	S	S	S	S	O	O	N/A
CO2061 (PT 1)	Parallel Arm Mounting	DC6210-A1	S	S	S	S	O	O	S
		DC6410-A1	S	S	S	S	O	O	N/A
CO2041 (PT 1)	Top Jamb Mounting	DC6220	S	S	S	S	O	N/A	S
		DC6420	S	S	S	S	O	N/A	N/A
CO2081 (PT 1)	Top Jamb Mounting	DC6220-A1	S	S	S	S	O	N/A	S
		DC6420-A1	S	S	S	S	O	N/A	N/A
CO2231 (PT 1)	Push Side Mounting	DC6240	S	S	S	S	O	O	S
		DC6440	S	S	S	S	O	O	N/A
CO2241 (PT 1)	Push Side Mounting	DC6240-A1	S	S	S	S	O	O	S
		DC6440-A1	S	S	S	S	O	O	N/A
CO2251 (PT 1)	Pull Side Mounting	DC6230	S	S	S	S	O	O	S
		DC6430	S	S	S	S	O	O	N/A
CO2261 (PT 1)	Pull Side Mounting	DC6230-A1	S	S	S	S	O	O	S
		DC6430-A1	S	S	S	S	O	O	N/A

ANSI Performance Requirements: (PT 1) — 2,000,000 cycles — closer without backcheck feature.

ANSI Performance Requirements: (PT 1) — 1,500,000 cycles — closer with backcheck feature.

N/A = not available S = standard O = option available

ANSI Options:

DC6200 includes PT4-A, B, C, D, H. Optional: PT4-F, G, J.

DC6400 includes PT4-A, B, C, D. Optional: PT4-F, G, J.

Suggested Specification

Door closers shall be of rack and pinion construction with a cold headed heat-treated steel spindle and a steel piston precision machined and heat treated. The case shall be of cast iron with seamless cold headed steel spring tube. A two-piece or seamed spring tube shall not be acceptable. Springs shall be tempered chrome silicon. Closers shall have a heavy-duty, forged steel main arm.

Optional arms shall include parallel, hold open, heavy-duty, heavy-duty hold open, heavy-duty reversible backstop, heavy-duty reversible backstop with hold open, heavy-duty spring stop, heavy-duty spring stop with hold open, deep reveal, top jamb track and stop mounted track.

The following size options shall be available:

- Fully adjustable spring power to accommodate sizes 1 through 6.
- Spring power shall be adjustable by one half size over minimum for each size.

All sizes shall be accommodated in one closer body. Closing shall be controlled by two valves — one to control closing speed and one to control latching speed. Valves shall be concealed against unauthorized adjustment and be non-critical with “O” ring seals.

(Door closers shall have an adjustable delayed action feature, controlled by a separate valve.)

Closers shall be furnished with an adjustable backcheck intensity valve. Valve shall be accessible without removing the closer from the door.

Closers shall be furnished with a backcheck location valve, providing a choice of locations where backcheck begins in the door opening cycle between 70° and 90° of door opening. This valve shall be functional for all regular, top jamb, parallel arm, and track type mountings.

Closers shall be surface applied with rectangular cover, and shall be devoid of manufacturer's trademarks. Closers shall not project over 2³/₄" , and shall be capable of mounting on 1-3/4" top rail or inverted mounting on 1³/₄" top jamb. Full cover and full metal cover with security fasteners shall be available. When required, metal covers shall be available in plated finishes. Regular arm and top jamb mounted closers without hold open shall be regularly furnished with power adjustment arm bracket capable of providing a 15% power adjustment. A Quik-Install™ mounting bracket to attach the closer shall be regularly furnished. Closers not having a mounting bracket shall not be acceptable. Hydraulic fluid shall be of a type requiring no seasonal valve readjustment due to extreme temperature variations. Closers mounted top jamb and parallel arm shall allow for full 180° door opening.

Closers with non-hold open arms shall be listed by Underwriters Laboratories for swinging fire doors and for positive pressure listed openings.

All closers shall be available in architectural finishes to match corresponding door hardware.

Certification:

ANSI/BHMA A156.4, Grade 1

ADA/ANSI A117.1

UL10C and UBC

Closers shall carry a 25-year limited warranty.

Closers shall be Corbin Russwin (DC6200) (DC6400) series.

Notes

DC6000



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
www.corbinruswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478 www.assaabloy.ca

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

**Corbin
Russwin** 

ASSA ABLOY

DC62900 Series

Electromechanical Closer-Holder



ASSA ABLOY, the global leader
in door opening solutions



Introduction

DC62900

Applications

Corbin Russwin Electric Track Closer-Holders combine the functions of a single-point electromechanical door holder with the DC6200 door closer. The track assembly contains an arm slide and solenoid-operated hold open mechanism and is available with or without an integral smoke detector.

The closer is mounted on the door. The track is mounted to the frame face for pull side installations or the frame soffit for push side installations.

The track is an aluminum extrusion which incorporates a solenoid-actuated cam that locks the arm slide in the

track at a selected point. The degree of door hold open is selected by adjustment of the telescoping arm. When there is power to the unit, the door will hold open at the selected hold open point. Any power interruption will release the arm slide and the door will close. The door can be released manually at any time.

Corbin Russwin Electric Track Closer-Holders are available in two basic functions for controlling fire/smoke doors.

Table of Contents

Applications.....	2
Functions and Features	3
Overview	4-5
Mountings	6-7
Brackets and Covers.....	8
Track Assemblies & Parts.....	9-10
How to Order	11
Specification	12

Functions and Features

DC62900

Functions:

Master Unit – This unit is comprised of an integral smoke detector, a solenoid hold open mechanism in the slide track and a door closer. The Master Unit can be used to control a single door or a pair of doors in conjunction with a Support Unit.

Quick Code: ETD

Support Unit – This unit is comprised of a solenoid hold open mechanism in the slide track and a door closer. These units can be installed on a single door or a pair of doors when controlled by compatible U.L. listed detection equipment such as area ceiling detectors, pull stations, and remote alarm panels. They can also be used in conjunction with a Master Unit on a pair of doors when the Master Unit smoke detector signals conditions (standby, trouble/alarm) to an alarm system's panel. The alarm panel controls the hold open function of both the Support Unit and the Master Unit.

Quick Code: ET

Note:

Application of any Corbin Russwin Electric Track Single-Point Hold Open Closer-Holder Releasing Device should be checked for compliance with both state and local codes.

Features:

Selective Single-Point Hold Open:

The DC62900 has one template position. The single-point hold open position is selected by adjusting the telescoping arm with a hex drive set-screw. Hold open range is 85° thru 110° in approximately 3° increments.

Spring Cushioned Dead Stop:

A spring loaded buffer block at the point of hold open prevents overtravel of the arm slide and provides a cushioned dead stop. Use of an additional wall or floor stop is always recommended.

Non-Handed:

Non-handed except when ordered with "DE" (Double Egress) arms.

Pull/Push Installations:

The track can be ordered for installation on either side of the door. List number DC62940 can be installed on the push side only. List number DC62930 can be installed on the pull side only.

Choice of Supply Voltage:

Corbin Russwin Electric Tracks are available in the most commonly used operating voltages of 24 Volts AC/DC or 120VAC, 60Hz. Power to these devices must be within a range of (+) 10% (-) 15% of the stated voltage.

Fail Safe:

In the event of a power outage, solenoid will be de-energized and the Closer-Holder will then operate as a normal door closer.

Wiring Option:

Both pull side and push side application will accommodate either concealed or surface wiring. The hook-up box will accept a 3/4" (19mm) conduit. Each DC62900 is supplied with a thin-walled conduit nut to attach the conduit clamp. State and local building codes will dictate the type of wiring permitted.

Door Closer:

The DC62900 is a non-handed, narrow projection closer with a full plastic cover. It has an adjustable spring for sizes 1-6. It also has four independent valves to control latch speed, closing speed, backcheck positioning and intensity. QUIK-INSTALL mounting bracket speeds installation.

Warranty:

2-year limited

U.L. Listing:

All Master Units with integral smoke detectors have been tested and evaluated for public safety by Underwriter's Laboratories and are listed for application on smoke barrier and labeled fire doors. All Support Units are U.L. listed for application with any compatible U.L. listed fire/smoke detection equipment.

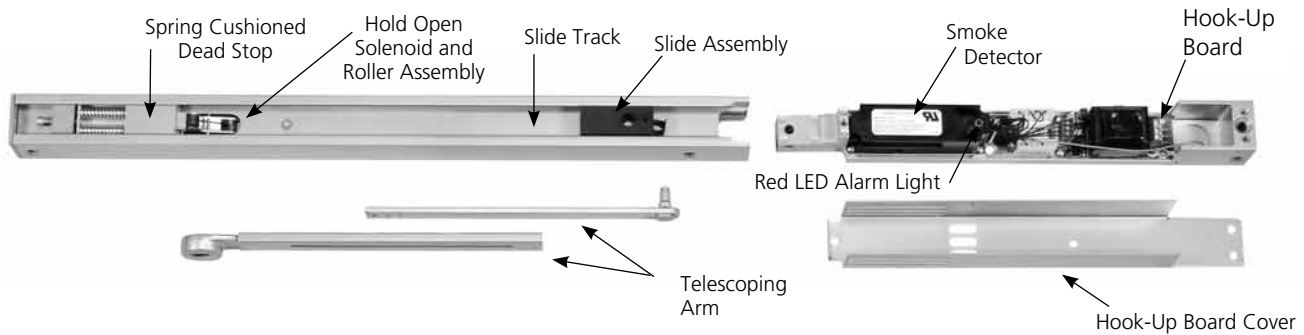
ANSI / BHMA:

The DC62900 Series is ANSI/BHMA certified for A156.15.



Features

DC62900



Features – Smoke Detector:

Photoelectric Sensing

Detector employs a photoelectric chamber to substantially reduce the probability of false alarms.

Fire/Smoke Control Circuit

Interprets the alarm signal from the detector and provides switching contacts to interrupt power to the hold open solenoid and divert it to activate optional audio/visual alarms.

Alarm (Relay) Contacts

Normally open in standby condition (energized, non-alarm state). These contacts close during an alarm condition (smoke detected) and switch power from the solenoid to an optional local alarm.

Trouble (Relay) Contacts

Normally closed in standby condition, these supervisory contacts monitor the continuity of power within the detector circuit. Any power interruption within the detector circuit will open these contacts. They can then be used to simultaneously indicate a trouble condition to the alarm panel on a separate trouble circuit.

Quick Disconnect Modules

Each component, solenoid coil, detector and control feature quick disconnect wiring for easy servicing and replacement.

Locked-In Alarm

When a unit alarms, it must be manually reset. This can be accomplished by remote control from the alarm console or by the reset button in the smoke detector. Reset button is accessible through the center louver in the underside of the track. Reset by rotating LED chamber using small flat blade screwdriver.

Indicator Lights

Normal Mode: A red LED flashes once every eight (8) seconds.

Clean Mode: A red LED flashes once every second.

Alarm Mode: A red LED illuminates continuously.

Electrical Information

Ordering Voltages:

Type of Unit	Model	# of Power Input Lines	Choices of Voltage Input	Can be used with
Master	ETD-24	1	24 VAC/DC	Support Model ET
	ETD-120		120 VAC, 60 Hz	
Support	ET-24	1	24 VAC/DC	Area Smoke Detection System or Master Model ETD24-120
	ET-120		120 VAC, 60Hz	Area Smoke Detection System

Operating voltage or voltages for the control of fire/smoke doors are specified by the architect, electrical engineer and alarm system engineer and/or contractor. Consulting with these sources will verify which operating voltage(s) should be ordered.

“ETD” Master Units

- Two components require electrical power:
 - Integral smoke detector requires 24VDC input power.
 - Hold open solenoid requires 24VDC input.
- Hook-up box receives primary voltage input and distributes it to the smoke detector and hold open solenoid(s).
- **Available with two voltage options:**
 - **ETD-24 suffix –**
 - Accepts 24VAC or 24VDC power input.
 - A rectifier in the hook-up box will rectify alternating current to direct current for operation of both the smoke detector and hold open solenoid(s).
 - **ETD-120 suffix –**
 - Accepts 120VAC power input.
 - A 120VAC to 24VAC transformer in the hook-up box steps the input voltage down to 24VAC. It is then rectified to 24VDC for operation of both the smoke detector and the 24VDC hold open solenoid(s).

“ET” Support Units

- Hold open solenoid requires electrical power.
- Solenoid controlled by smoke detection equipment (ceiling detectors) or remote alarm panels.
- Available for operation on 24VAC/DC or 120VAC, 60Hz.
- Hold open solenoid operates on direct current.
- Contains built-in rectifier that converts alternating current to direct current.

Mountings

DC62900

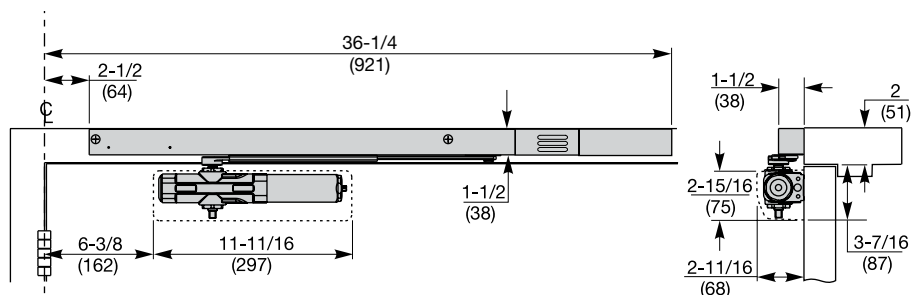
DC62930 Pull (Hinge) Side Mounting

Model #	Description
DC62930 x ETD	Master Unit Controlled by Integral Smoke Detector
DC62930 x ET	Support Unit Controlled by Remote Detection Equipment

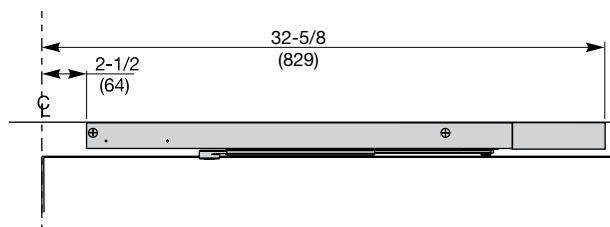


DC62930 x ETD

Master Unit



Support Unit Track



Minimum ceiling clearance 2-1/8" (54mm)

	Door(s) Opening Inches (cm)		Model Number & Type
	Max.	Min*	
Single Door	48" (122)	36" (91)	(1) DC62930 x ETD Master Unit
	48" (122)	32" (81)	(1) DC62930 x ET Support Unit
Pair of Doors	96" (244)	68" (173)	(1) DC62930 x ETD Master Unit and (1) DC62930 x ET Support Unit
	96" (244)	64" (163)	(2) DC62930 x ET Support Units

* Minimum door opening for standard installation. Consult factory for door openings narrower than those shown.

Mountings

DC62900

DC62940 Push (Stop) Side Mounting

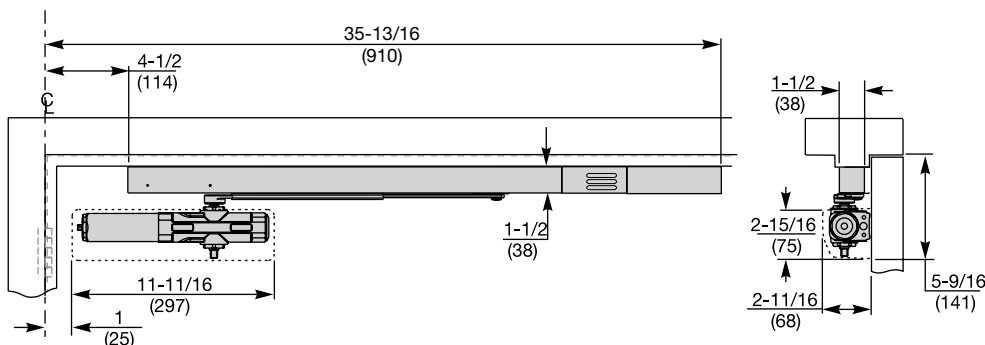
Model #	Description
DC62940 x ETD	Master Unit Controlled by Integral Smoke Detector
DC62940 x ET	Support Unit Controlled by Remote Detection Equipment

Interference with other hardware (vertical rod exit devices, magnetic locks, etc.) must be considered when selecting this product.

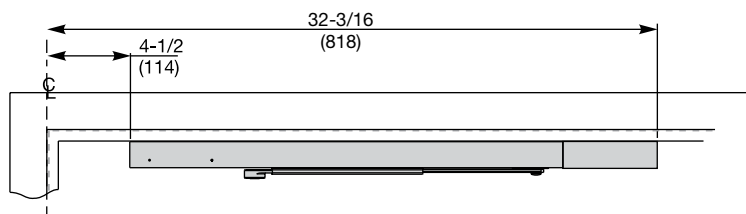


DC62940 x ET

Master Unit



Support Unit Track



Minimum 1-1/2" (38mm) frame soffit required.

* Minimum door opening for standard installation. Consult factory for door openings narrower than those shown.

	Door(s) Opening Inches (cm)		Model Number & Type
	Max.	Min*	
Single Door	48" (122)	38" (97)	(1) DC62940 x ETD Master Unit
	48" (122)	36" (91)	(1) DC62940 x ET Support Unit
Pair of Doors	96" (244)	74" (188)	(1) DC62940 x ETD Master Unit and (1) DC62940 x ET Support Unit
	96" (244)	71" (180)	(2) DC62940 x ET Support Units

Brackets and Covers

DC62900

188F03



Quik-Install™ Mounting Bracket

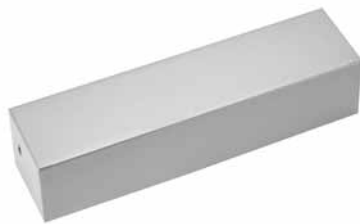
- Standard on all closers
- Reduces installation time
- Ensures correct mounting
- Bracket is first mounted to door or frame, then closer is attached
- Bracket size: 1-3/4" (44mm) (vertical) x 6" (152mm) (horizontal)
- Hole spacing: 1" (25mm) (vertical) x 4-5/16" (110mm) (horizontal)

597F78



Full Cover

- Standard on all DC6000 series door closers
- Completely covers closer body
- Non-handed
- Dimensions: 11-5/8" (295mm) x 3" (76mm) x 2-3/4" (70mm) deep
- Available in painted finishes only



Full Metal Cover

- For use in high-abuse applications
- Specify hand; not field reversible
- Available in painted and plated finishes
- Dimensions: 11-1/2" (292mm) x 2-7/8" (73mm) x 2-3/4" (70mm) deep
- To order specify closer x M73

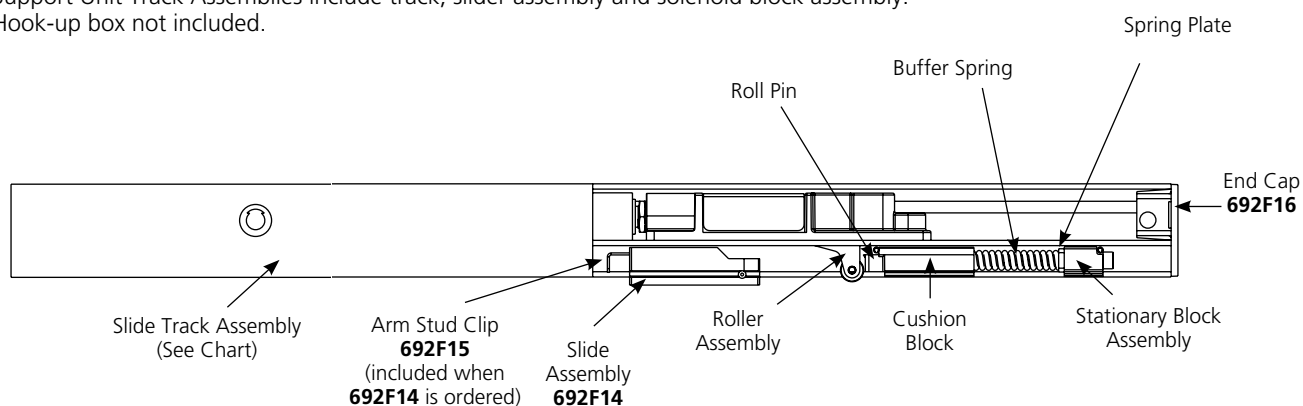
Cover	Model #
RH/LHR	603F55
LH/RHR	603F57

Metal covers and arm assemblies are available in painted or plated finishes. Plastic covers and track assemblies are available in painted finishes only.

Description	Voltage	Part Number	
		Hinge Side	Stop Side
Master or Support Unit	24V	754F52	754F53

Master Unit Track Assemblies include track, slider assembly, solenoid block assembly and detector. Hook-up box not included.

Support Unit Track Assemblies include track, slider assembly and solenoid block assembly. Hook-up box not included.



Miscellaneous Parts	
Description	Part Number
Fuse	754F66
Smoke Detector Board	754F73
Solenoid Block Assembly	692F17
Hook-Up Box Cover Kit (Master)	754F71
Hook-Up Box Cover Kit (Support)	754F72

Hook-Up Boxes			
Description	Voltage	Hinge Side	Push Side
Master	24V	754F56	754F61
	120V	754F57	754F62
Support	24V	754F58	754F63
	120V	754F59	754F64

Description	Voltage	Part Number
		Hook-Up Board
Master or Support	24V	754F54
	120V	754F55

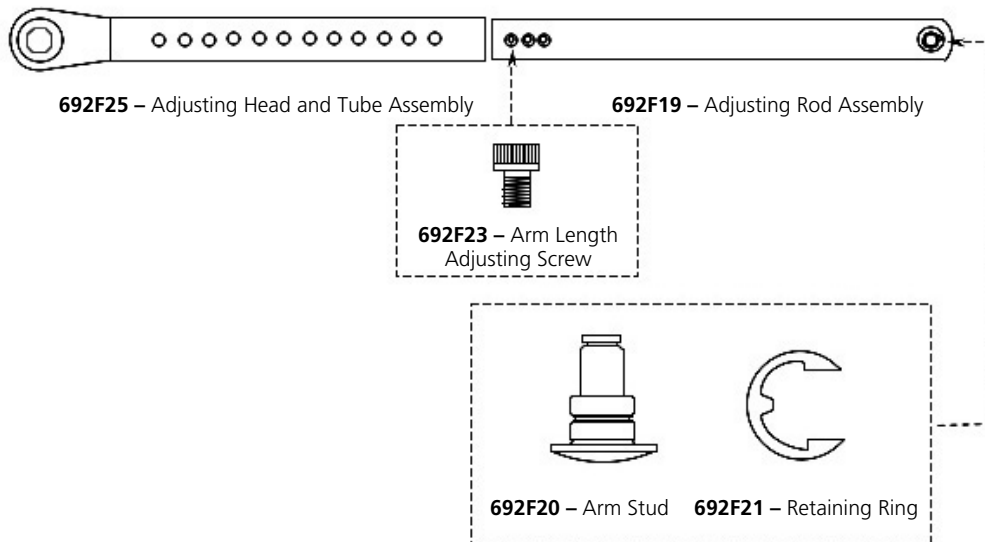
NOTE: Mounting hardware included with all parts orders.

Parts

DC62900

Standard Arm Assembly

692F24^{1,2}

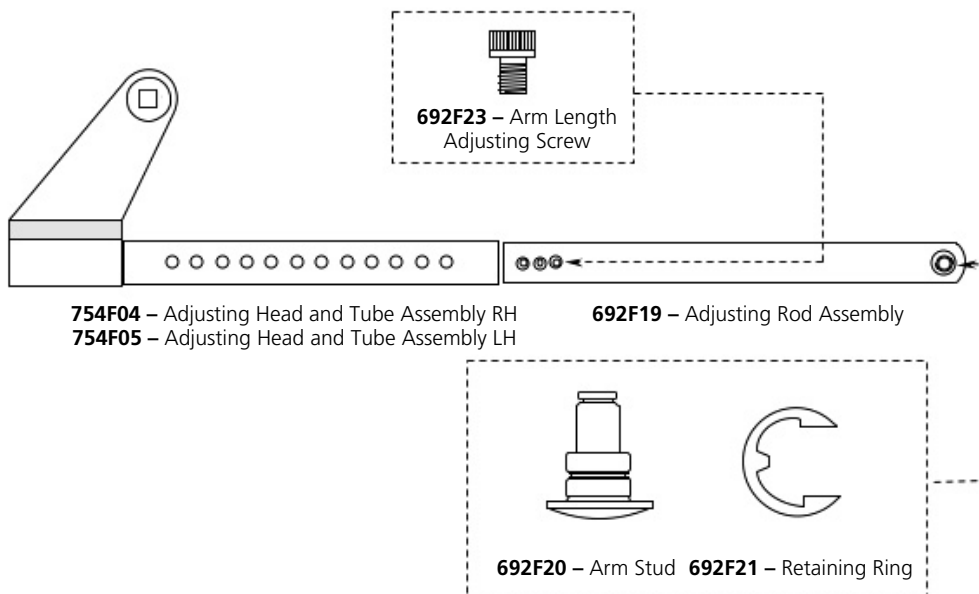


Double Egress Arm Assembly

(Specify model x Quick Code A6)

754F02 – (Right Hand)^{1,2}

754F03 – (Left Hand)^{1,2}



1 Includes arm length adjusting screw #692F23

2 Includes arm tube & adjusting rod assembly

NOTE: Mounting hardware included with all parts orders.

How To Order

DC62900

Ordering Examples

Application	Model #
Pull Side Mounting	
Master (detected)	DC62930 x ETD
Support	DC62930 x ET
Push Side Mounting	
Master (detected)	DC62940 x ETD
Support	DC62940 x ET

Finish

Standard painted finishes

Description	Specify
USP Primed for Painting	600
SBL Silver Aluminum Painted	689
LBL Dark Bronze painted	690
DBL Light Bronze Painted	691
FBL Black Painted	693
GBL Satin Brass Painted	696

Example

Quantity	Model Number	Voltage	Finish	Door Thickness	Misc. Options
3	DC62930 x ETD	120A	689	D134	M73

Requirements

Single Door	Pair of Doors
(1) ETD or (1) ET	(1) ETD and (1) ET or (2) ET

Door Thickness

Door Thickness	Specify
1-3/4" (44mm)	(Standard)

Voltage

Description	Specify
24VAC	(Standard)
24VDC	24D
120VAC	120A

Arm

Door Thickness	Specify
Double Egress Arm - 1/8" to 3" deep reveal	A6

Miscellaneous Options

Description	Specify
Torx screws	M04
Sex nuts and bolts (SNBs)	(Standard)
Backcheck intensity and location valves	(Standard)
Full cover	(Standard)
Full metal cover	M73

Specification

DC62900

Suggested Specification

Closer for _____ doors shall be electromechanical closer-holder. Hold open to be achieved by electric solenoid locking of the closer arm slide in its track. Track, arm, slide (and) solenoid (and integral smoke detector) to be contained in a single aluminum extrusion 1-1/2" (38mm) high, 1-1/2" (38mm) deep. Closer shall be door mounted. Track and hold open mechanism shall be surface mounted to the frame face for application on the pull side of the door and frame soffit mounted for application on the push side of the door.

Single point hold open shall be selective through a range of 85° to 110°. Hold open point to be achieved by adjustment of a telescoping closer arm.

Closer shall be hydraulic with full rack and pinion enclosed in a cast iron shell. Hydraulic fluid shall be non-gumming and non-freezing. Closer shall have two non-critical values to independently regulate sweep speed and latch speed. It shall have an adjustable backcheck cushioning valve.

(Master units to have an integral smoke detector with photoelectric chamber. Master units integral smoke detector shall have latching alarm and reset switch.) (Support units to be controlled by U.L. Listed Smoke Detection Equipment.) Units to be fail safe and close the door during any interruption to the electrical power. The hold open solenoid coil shall have a maximum amperage draw of (.090 Amps at 24 volts) (.035 Amps at 120 volts). Unit shall have a switch to permit testing of the releasing device function without alarming the system.

All wiring connections shall be made without the need of wire nuts or soldering.

(Master unit(s) shall require a (24VAC/DC) (120VAC, 60Hz) power input.) (Support unit(s) shall require a (24VAC/DC) (120VAC, 60Hz.) power input.) Supplier to coordinate electrical requirements with electrical and alarm system engineers. Wiring (and conduit) by others.

Notes

DC62900

Notes

DC62900

Notes

DC62900



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 888-940-3242
www.assaabloycanadadss.ca

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

DC8000 Series

Door Closers



ASSA ABLOY, the global leader
in door opening solutions



Introduction

DC8000

Applications

High-quality products and innovative designs are the foundation for the long history and reputation of Corbin Russwin Architectural Hardware. That tradition continues with the Grade 1 DC8000 Series door closer, the perfect choice for high-use openings and doors that must meet ADA requirements. A variety of arms, finishes and quality features make the easy-to-install DC8000 ideal for schools, office buildings, health care facilities and retail complexes. The series also meets UL10C and UBC7-2c positive pressure requirements for fire-rated openings.

Quality

Corbin Russwin products are engineered for quality, and the DC8000 Series is no exception. With heavy-duty construction, captured valves and a double heat-treated steel pinion, the DC8000 ensures quality and long-lasting performance.

Security

With a new heavy-duty arm and a strong, durable cast-iron closer body, the DC8000 offers added muscle for high-use and high-abuse situations. Captured valves and optional Torx® security screws offer added security, making the closer highly vandal- and tamper-resistant.

Key Advantages

- Heavy-duty forged arm
- Captured valves
- Self-drilling screws
- Double heat-treated steel pinion
- Universal Quik-Install™ bracket
- Tri-packed assembly
- Cast-iron body
- Retrofit plates
- Powder painted arms

Table of Contents

Introduction.....	2
Features.....	3-5
Mountings	6
Technical Details	7-16
Arm Options.....	17-20
Mounting Brackets.....	21
Brackets.....	22
Covers & Plates.....	23
Sizes and Handing	24-25
Helpful Terms	26
How to Order	27
Quick Codes	28-29
Specifications.....	30-31

Versatility

The DC8000 Series door closer offers a versatile, dependable and easy-to-install product, making it an ideal choice. The tri-pack assembly of regular arm, top jamb and parallel arm allows one closer to be stocked for multiple applications. A variety of features, including heavy-duty arms, cast-iron closer body and captured valves, ensure dependability and vandal resistance. Special mounting brackets and retrofit plates allow for quick installation in both new and retrofit applications.

Features	Benefits
Exceeds 10 Million Cycles	Ensures dependability and long life
Cast-iron closer body	Strong and durable
Heavy-duty arms	Forged 9/16" steel to withstand heavy use and abuse
Tri-packed assembly (regular arm, top jamb & parallel arm mounting), non-handed. Specify DC8210.	Allows one closer to be stocked for a variety of applications
Universal Quik-Install™ mounting bracket and door marker	Easy, foolproof installation
Multi-sized closers	Adjustable 1 through 6
Captured valves	Vandal-resistant; reduces the possibility of valve removal
Double heat-treated steel pinion	Hard-wearing
2-1/4" projection	Less noticeable, complements the opening
Regular arm allows door swing to 180° (conditions permitting)	Versatile, adjustable for specific applications or conditions
Retrofit plates	Allows DC8000 to replace LCN 4040 and 4010 series closers without modifying the door prep
Cover options	Powder-coated, ABS, metal (custom colors and plated finishes available)
ADA compliant	Ideal for applications such as healthcare, schools, public buildings
ANSI/BHMA A156.4	Grade 1 certified closer
UL10C and UBC 7-2c	Meets Positive Pressure Fire Test requirements
25-year warranty	Ensures long-lasting value

Features

DC8000

DC8200 - Multi-Sized

Features

Spring Power

DC8200 closers: multi-sized; fully adjustable sizes 1 through 6. Factory pre-sized upon request.

Handing

Non-handed.

Body

Cast-iron case with seamless cold headed steel spring tube.

Arm

Standard: heavy-duty forged steel. Arm options pages 17-20.

Spindle

Cold headed heat-treated steel.

Piston

1-1/2" diameter; Precision machined, heat-treated steel.

Springs

Chrome silicon wire.

Valves

Latching speed valve, closing speed valve and backcheck valve are standard.

Delayed action valve optional. Delayed action preset for 20 seconds. Between 90° and 70° for all mountings. To order specify M71.

Seals

"O" rings.

Fluid

Standard: high lubricity extreme temperature hydraulic fluid.

Degree of Opening

Up to full 180° opening standard for regular, top jamb and parallel arm mountings, conditions permitting.

Power Adjustment Arm Bracket

15% adjustment standard for regular arm and top jamb (non-hold open only).

Tri-packed

DC8000 comes with screws, brackets and soffit plates to allow for regular, top jamb and parallel arm installations.

Cover

Standard: full ABS cover.
Optional: full metal cover; specify M73 x hand; full PVC cover, specify M115.

Mountings

Standard: regular and top jamb. Optional mountings available; see Mountings, page 6.

Mounting Bracket

Universal Quik-Install™ mounting bracket standard.

Fasteners

Self drilling and machine screws standard. Sleeve nuts and bolts (SNB) optional; specify M54.

Corrosion Protection

Painted protective coating on all metal surfaces for use in corrosive environments. To order specify M75.

Security Package

Includes heavy-duty parallel or regular arm, full metal cover and security Torx® machine screws. Specify M87 x arm x hand. Available arms: A2, A3, A4, A5, A10 and A13.

Warranty

25-year limited warranty. Refer to Corbin Russwin price book for details.

Finishes

Standard painted finishes

Old Designation	Description	Specify
USP	Primed	600
SBL	Silver Aluminum	689
LBL	Dark Bronze	690
DBL	Light Bronze	691
FBL	Black	693
GBL	Satin Brass	696
Plated finishes available on arms and full metal cover.		
US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626

For split finish of closer cover and arm, specify cover finish first, then arm finish (e.g., DC8200 x 625 x 689).

Certification/Compliance



Barrier-Free Code Compliance

The DC8000 Series Door Closers listed below conform to the 5 lbf. maximum door opening force requirement for non-fire-rated interior hinged doors, according to:

Americans with Disabilities Act (ADA)

Complies with the Accessibility Guidelines for Buildings and Facilities, Section 4.13.11

ANSI/BHMA

Meets A156.4, Grade 1.
Meets A117.1.

DC8200

DC8210

DC8220

These door closers are certified by Corbin Russwin Architectural Hardware to comply with the above standards when properly installed and (if applicable) adjusted, in regular arm, parallel arm and top jamb mountings.

UL/ULC/UL10c

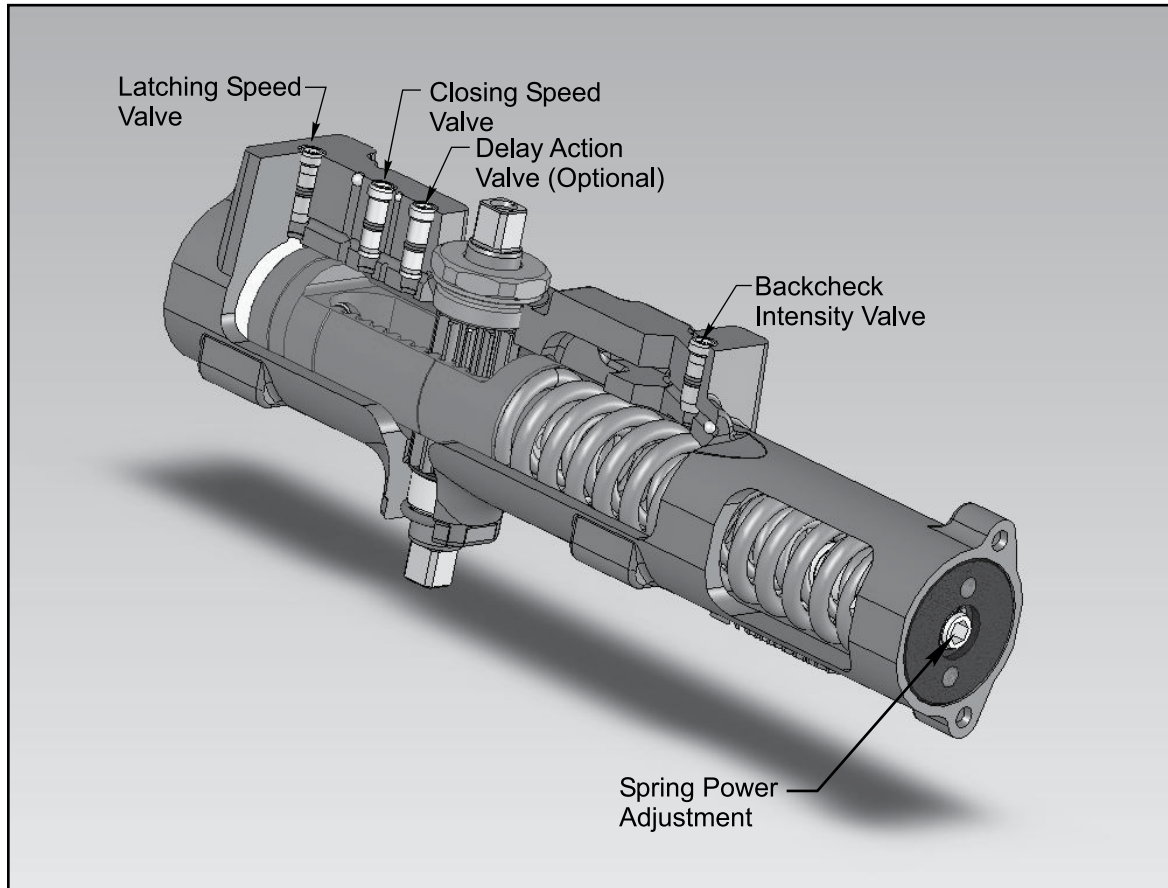
Listed for fire and cycle requirements.

10 Million Cycles

Witnessed and verified by UL

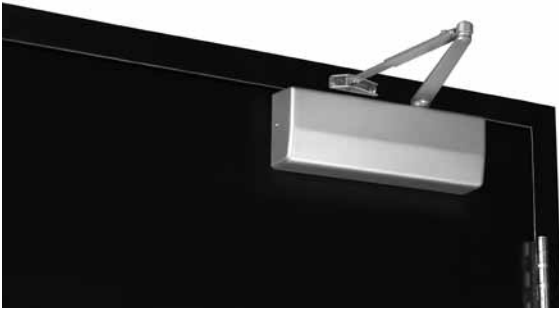
Features

DC8000



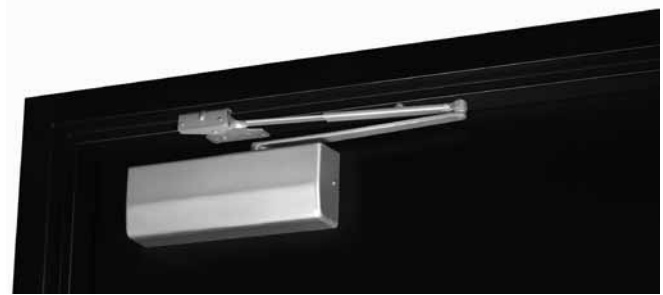
Mountings and Applications

DC8000



Regular Arm Mounting DC8200 Series

Most common mounting, providing the greatest closing efficiency. Closer is mounted on the pull side, with the arm almost perpendicular to the face of the door. Arm bracket is attached to the door frame.



Parallel Arm Mounting DC8210 Series

Allows inside application of closer on out-swinging doors. Closer is mounted on the push side, with the arm almost parallel to the face of the door. Arm does not project from the opening.



Top Jamb Mounting DC8220 Series

Closer is mounted on the frame on the push side, with the arm perpendicular to the face of the door. Arm bracket is mounted on the door. Minimum 1-3/4" (44mm) top jamb required. Accommodates reveals up to 3-1/4" (83mm).



Track Mounting DC8230 Series

Closer is door mounted on the pull side; arm is connected to a frame-mounted track. Maximum degree of opening is 100°. Maximum closing power is size 4.

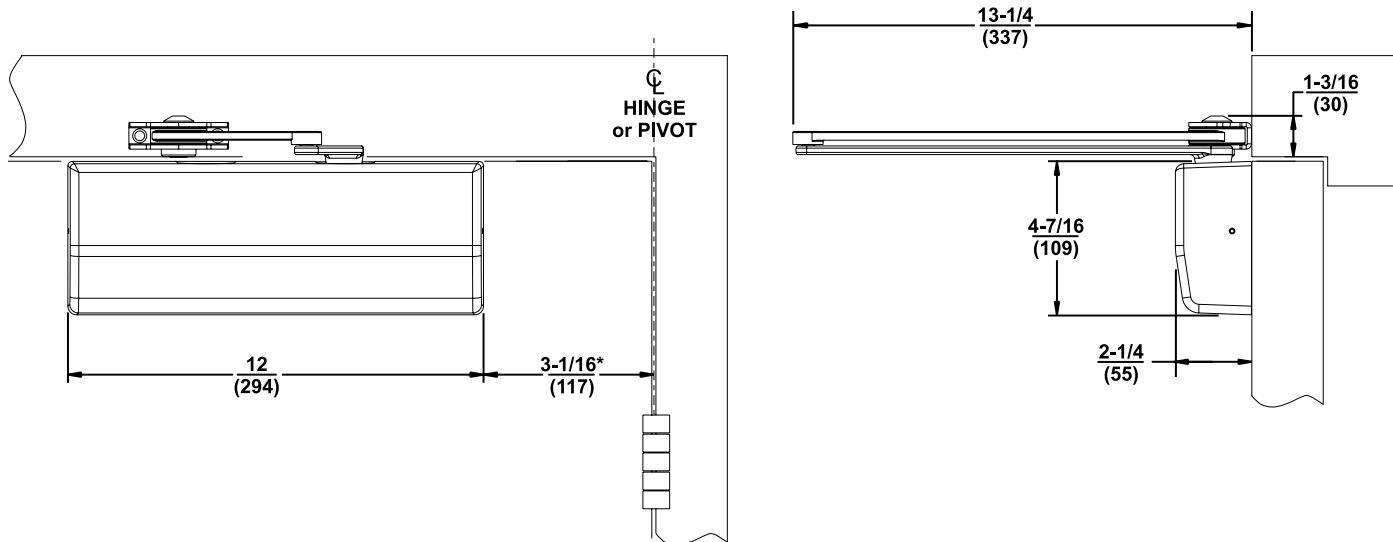


Track Mounting DC8240 Series

Closer is mounted on push side of door; arm is connected to a stop-mounted track. Maximum degree of opening is 100°. Maximum closing power is size 4.

Regular Arm Mounting

DC8000



To obtain extra closing force add 3" (76 mm) to dimensions marked (*).
NOTE: This will limit degree of door opening to 110°.

Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

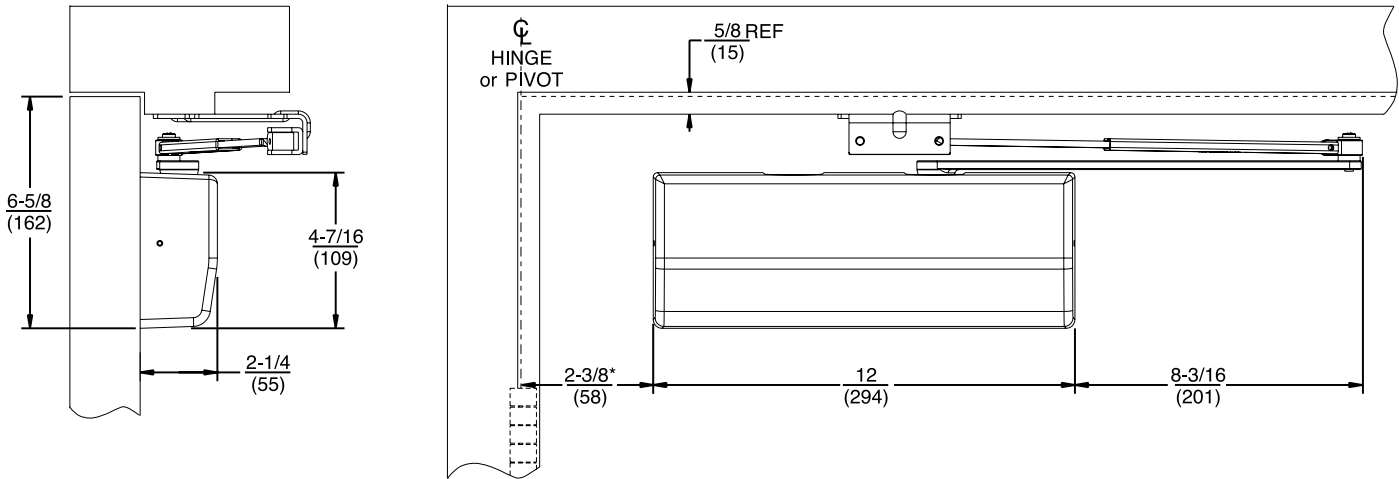
Arm Function	Minimum Header	Minimum Top Rail
Non-Hold Open	1-1/2" (38)	3" (76)
Hold Open	1-11-16" (43)	

Interior	Door Width Inches (cm)		Model Numbers	
	Exterior		Multi-Sized Closer	
	In-Swinging	Out-Swinging	Non-Hold Open	Hold Open
28" (71)	—	—	DC8200 [^]	DC8200 x A1 [^]
36" (91)	—	—		
42" (107)	30" (76)	36" (91)		
48" (122)	36" (91)	42" (107)		
54" (137)	42" (107)	48" (122)		
60" (152)	48" (122)	54" (137)		

[^]Closers are tri-packed for regular arm, parallel arm and top jamb mounting. Parallel arm bracket is included. Consult factory if door weight exceeds 250lbs.

Parallel Arm Mounting

DC8000



To obtain extra closing force add 3" (76 mm) to dimensions marked (*).
NOTE: This will limit degree of door opening to 110°.

Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

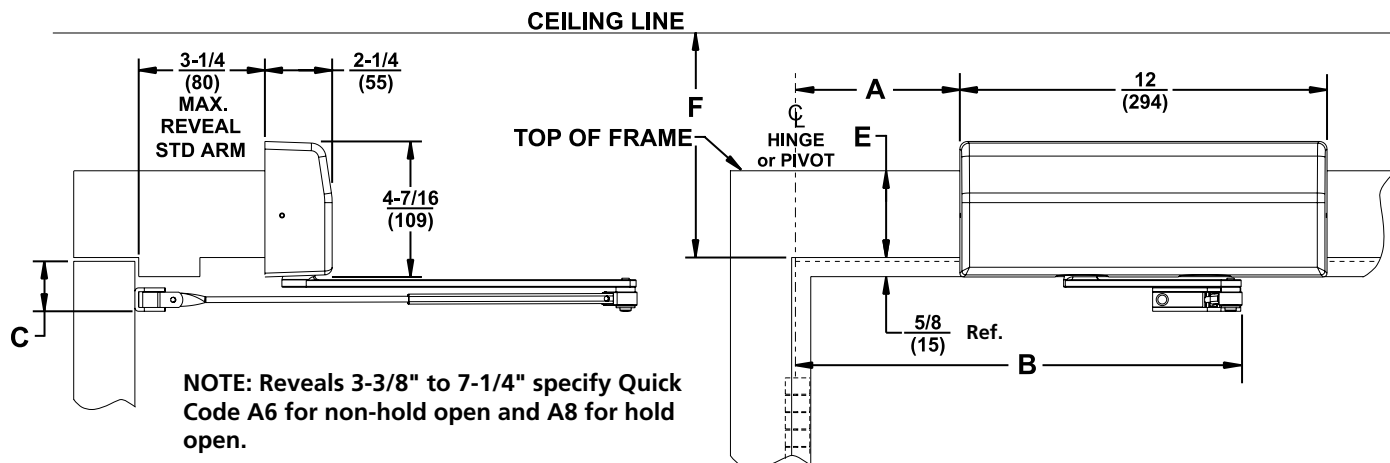
Arm Function	Minimum Top Rail
Non-Hold Open	5-1/4" (133)
Hold Open	

Door Width Inches (cm)		Model Numbers	
Interior	Exterior	Multi-Sized Closer	
		Non-Hold Open	Hold Open
28" (71)	—	DC8210	DC8210 x A1
30" (76)	—		
36" (91)	30" (76)		
42" (107)	36" (91)		
48" (122)	42" (107)		
54" (137)	48" (122)		

Standard arm closers are tri-packed.
Consult factory if door weight exceeds 250lbs.

Top Jamb Arm Mounting

DC8000



Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

Maximum Opening	A	B	Hinge Condition
110°	7" (172)	16-1/16" (394)	Butts, Offset Pivots, and Swing Clear Hinges
140°	5-1/2" (135)	14-5/16" (351)	
180°	4" (98)	13-1/16" (320)	
140°	5-1/2" (135)	14-7/16" (354)	^Center Hung

Header Width	C Minimum Top Rail	E Header	F Ceiling Clearance
Standard	1-7/8" (48)	2-1/8" (54)	4" (102)
Narrow	2-1/4" (57)	2" (49)	3-5/8" (92)

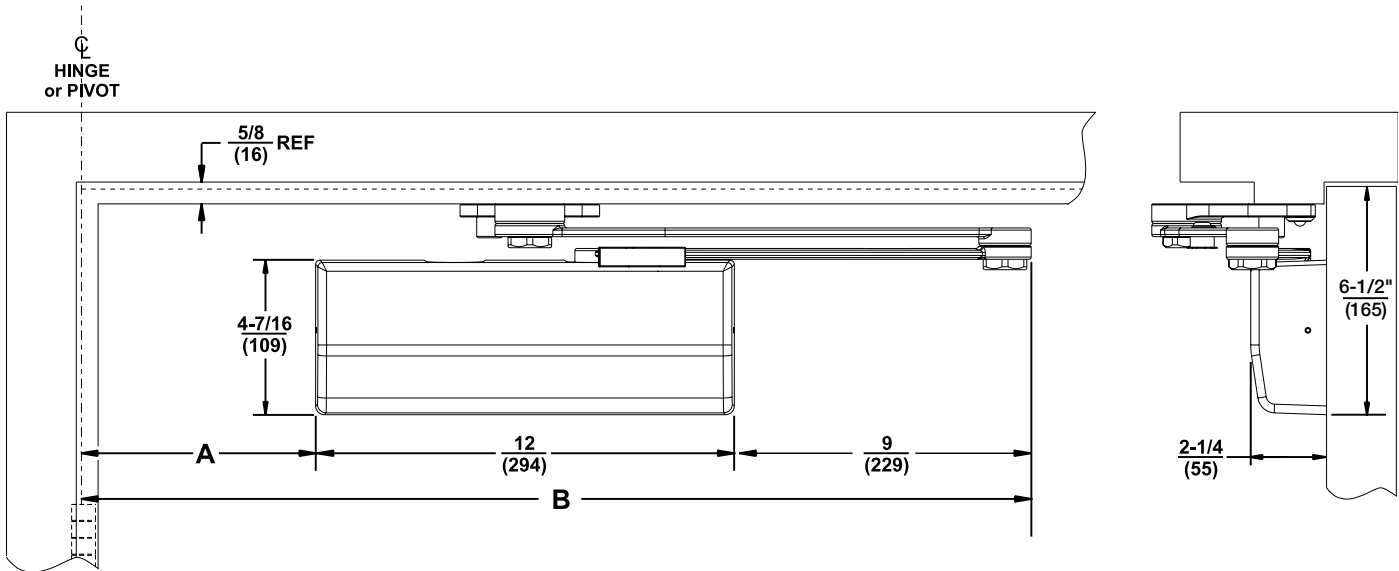
Dimensions "A" and "B" are taken from centerline of hinge as shown and apply to pivot point of swing clear hinges. Offset and center hung pivots.
^Must be single-acting door.

Interior	Door Width Inches (cm)		Model Numbers	
	Exterior		Multi-Sized Closer	
	In-Swinging	Out-Swinging	Non-Hold Open	Hold Open
28" (71)	—	—	DC8220*	DC8220 x A1*
36" (91)	—	—		
42" (107)	30" (76)	36" (91)		
48" (122)	36" (91)	42" (107)		
54" (137)	42" (107)	48" (122)		
60" (152)	48" (122)	54" (137)		

* Closers are tri-packed for regular arm, parallel arm and top jamb mounting. Parallel arm bracket is included. Consult factory if door weight exceeds 250lbs.

Parallel Arm Mounting Heavy-Duty Hold Open Arm With Stop

DC8000



Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

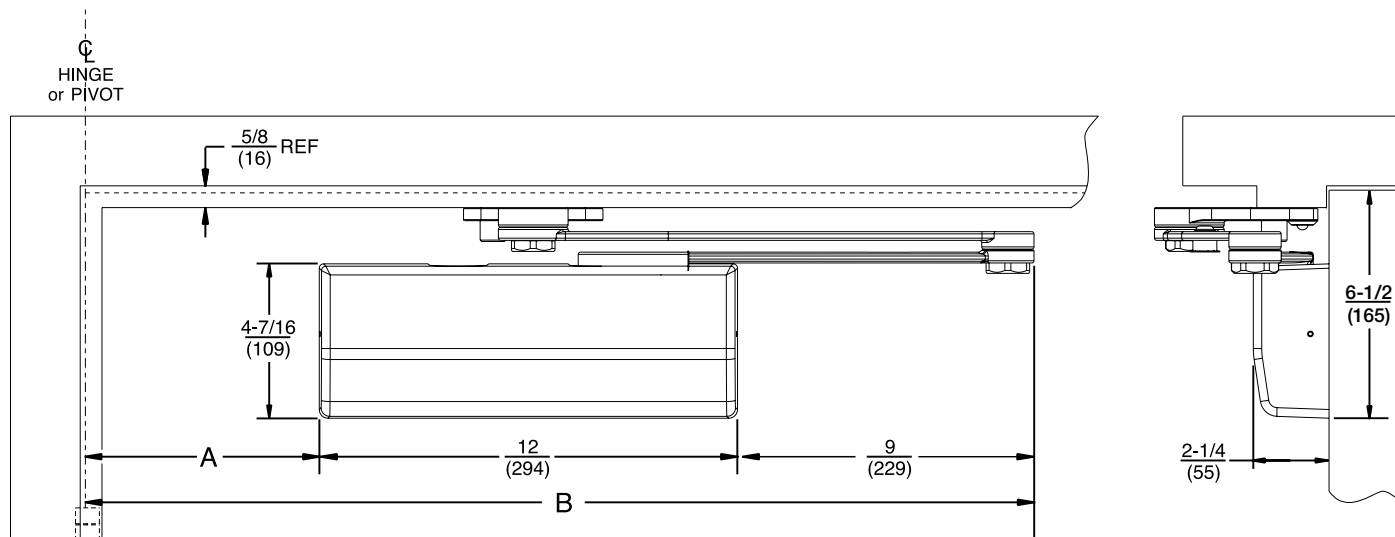
Maximum Opening	A	B	Minimum Top Rail
85°	8" (203)	29" (737)	5" (127)
90°	7" (178)	28" (711)	
100°	5-1/2" (140)	26-1/2" (673)	
110°	4-1/8" (105)	25-1/8" (638)	

Door Width Inches (cm)		Model Numbers
Interior	Exterior	Multi-Sized Closer
		Hold Open
28" (71)	—	DC8210 x A2
30" (76)	—	
36" (91)	30" (76)	
42" (107)	36" (91)	
48" (122)	42" (107)	
54" (137)	48" (122)	

Consult factory if door weight exceeds 250lbs.

Parallel Arm Mounting Heavy-Duty Non-Hold Open Arm With Stop

DC8000



Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

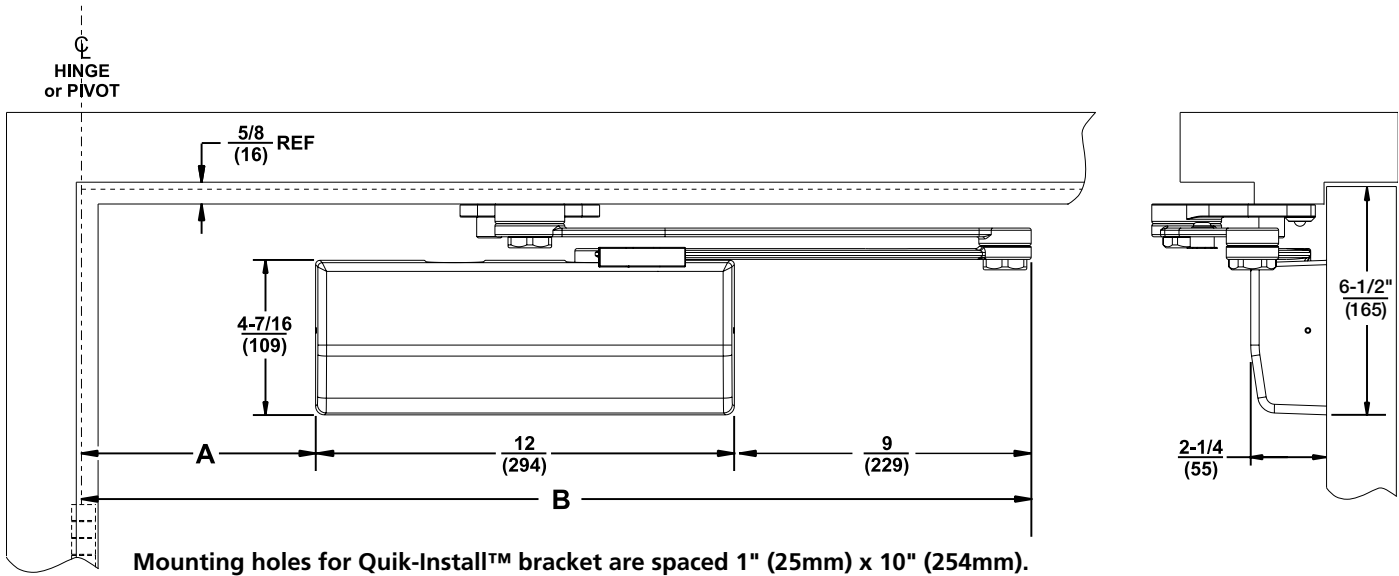
Maximum Opening	A	B	Minimum Top Rail
90°	6-7/8" (175)	27-7/8" (708)	5" (127)
180°	2-7/8" (73)	23-7/8" (606)	

Door Width Inches (cm)		Model Numbers
Interior	Exterior	Multi-Sized Closer Non-Hold Open
28" (71)	—	DC8210 x A3
30" (76)	—	
36" (91)	30" (76)	
42" (107)	36" (91)	
48" (122)	42" (107)	
54" (137)	48" (122)	

Consult factory if door weight exceeds 250lbs.

Parallel Arm Mounting Heavy-Duty Backstop Arms

DC8000



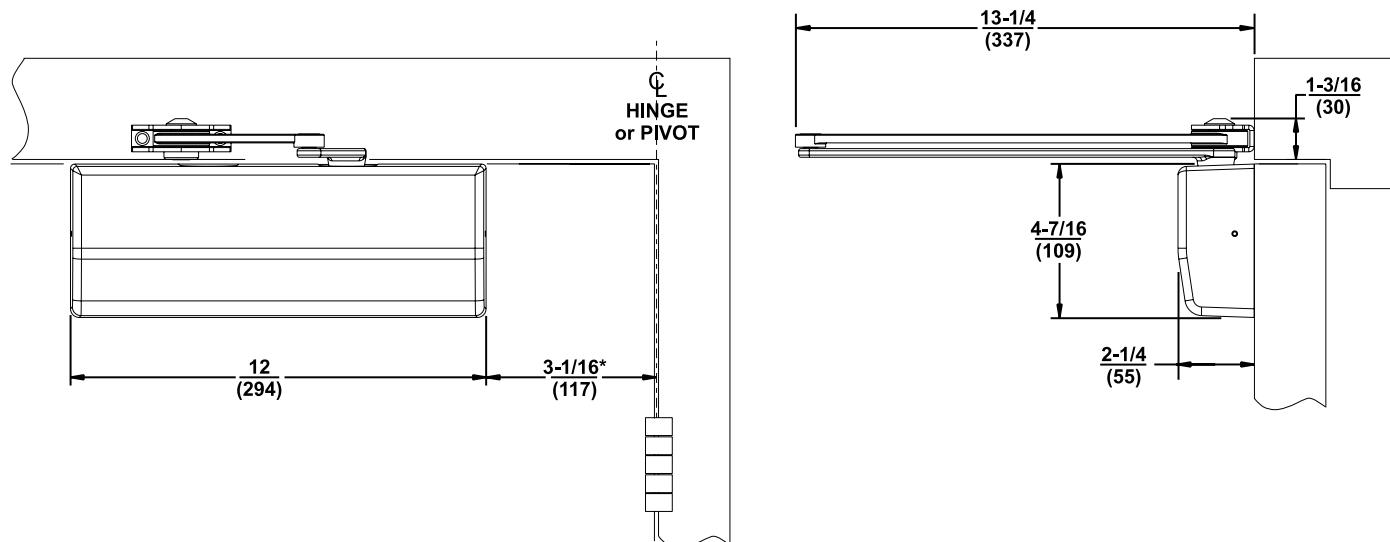
Maximum Opening	A	B	Minimum Top Rail
85°	7-3/4" (197)	28-3/4" (730)	5" (127)
90°	6-3/4" (171)	27-7/8" (708)	
100°	5-1/4" (133)	26-1/4" (667)	
110°	3-7/8" (98)	25" (635)	

Door Width Inches (cm)		Model Numbers	
Interior	Exterior	Multi-Sized Closer	
		Non-Hold Open	Hold Open
28" (71)	—	DC8210 x A4	DC8210 x A5
30" (76)	—		
36" (91)	30" (76)		
42" (107)	36" (91)		
48" (122)	42" (107)		
54" (137)	48" (122)		

Consult factory if door weight exceeds 250lbs.

Regular Arm Mounting Heavy-Duty Non-Hold Open Arms

DC8000



To obtain extra closing force add 3" (76 mm) to dimensions marked (*).
NOTE: This will limit degree of door opening to 130°.

Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

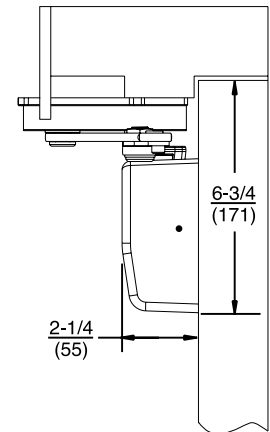
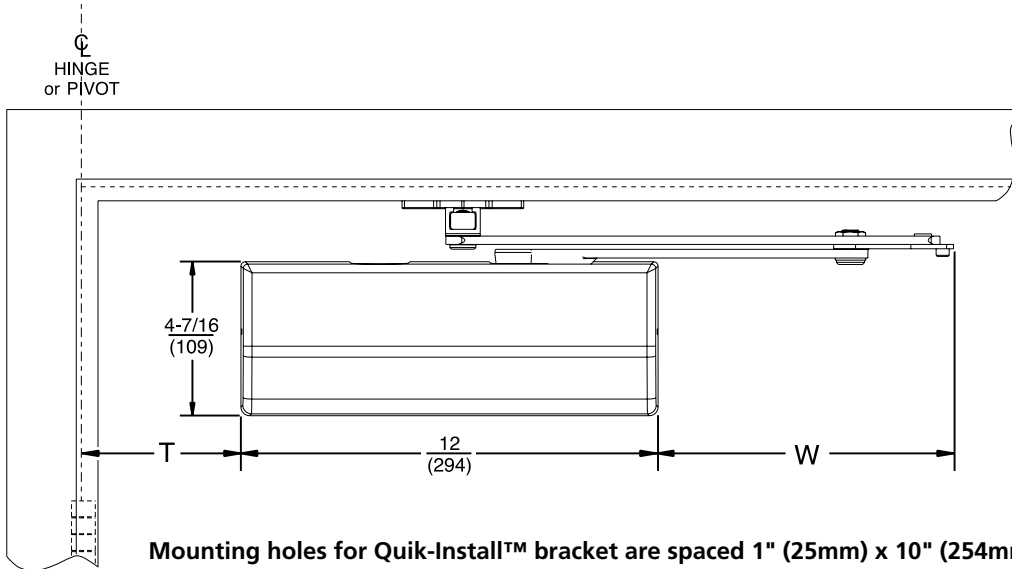
Minimum Header	Minimum Top Rail
1-5/8" (41)	3" (76)

Interior	Door Width Inches (cm)		Model Numbers
	In-Swinging	Out-Swinging	Multi-Sized Closer Non-Hold Open
28" (71)	—	—	DC8200 x A10
36" (91)	—	—	
42" (107)	30" (76)	36" (91)	
48" (122)	36" (91)	42" (107)	
54" (137)	42" (107)	48" (122)	
60" (152)	48" (122)	54" (137)	

Consult factory if door weight exceeds 250lbs.

Unitrol® Parallel Arm Mounting

DC8000



Minimum Top Rail

5" (127)

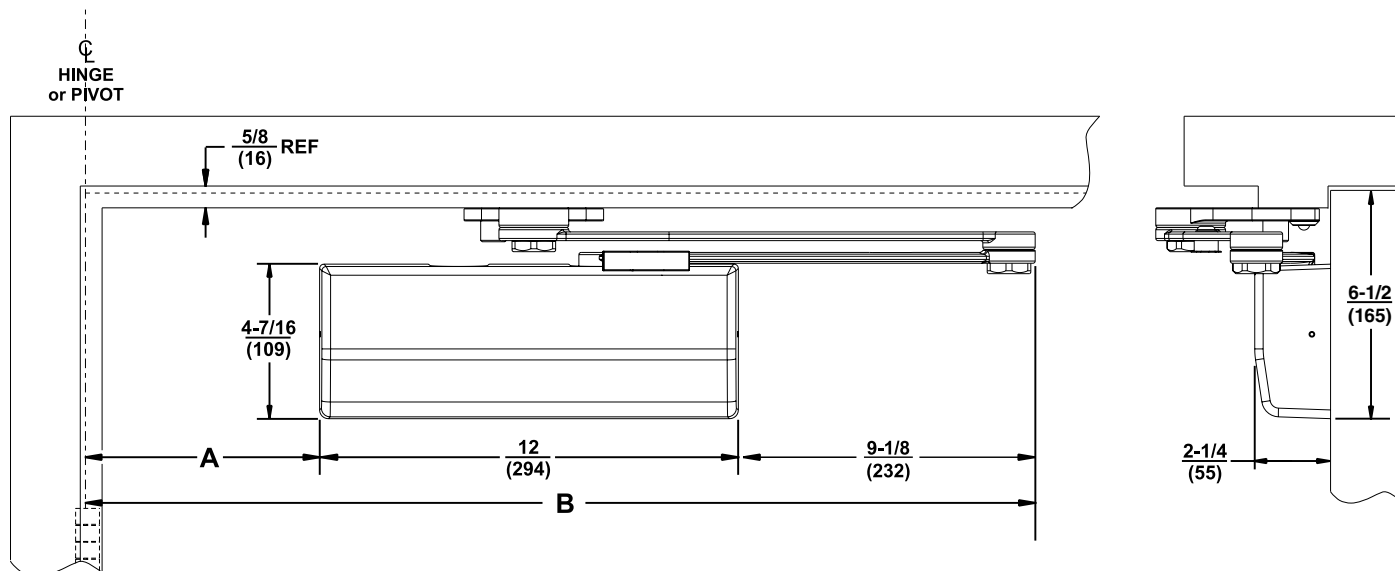
Consult factory if door weight exceeds 250lbs.

Opening		Doors 28" - 32"		Doors 33" - 41"		Doors 42" - 48"	
Hold Open	Dead Stop	T	W	T	W	T	W
85°	90°	4-3/4" (121)	8-1/2" (216)	5-3/8" (137)	10" (254)	5-7/8" (149)	11-3/8" (289)
90°	95°	4-1/4" (108)		4-7/8" (124)		5-3/8" (137)	
95°	100°	3-3/4" (95)		4-3/8" (111)		4-7/8" (124)	
100°	105°	3-3/8" (86)		3-7/8" (98)		4-3/8" (111)	
105°	110°	3" (76)		3-1/2" (89)		4" (102)	
110°	115°	2-3/4" (70)		3-1/4" (82)		3-5/8" (92)	

Door Width Inches (cm)				
Interior	Exterior	Multi-Sized Closer		
		Non-Hold Open	Hold Open	Specify door width (Quick Code)
28" (71)	—	DC8210 x A11	DC8210 x A12	W28 (28"-32") W33 (33"-41") W42 (42"-48")
30" (76)	—			
36" (91)	30" (76)			
42" (107)	36" (91)			
48" (122)	42" (107)			
54" (137)	48" (122)			

Parallel Arm Mounting Heavy-Duty Friction Hold Open Arms

DC8000



Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm).

Consult factory if door weight exceeds 250lbs.

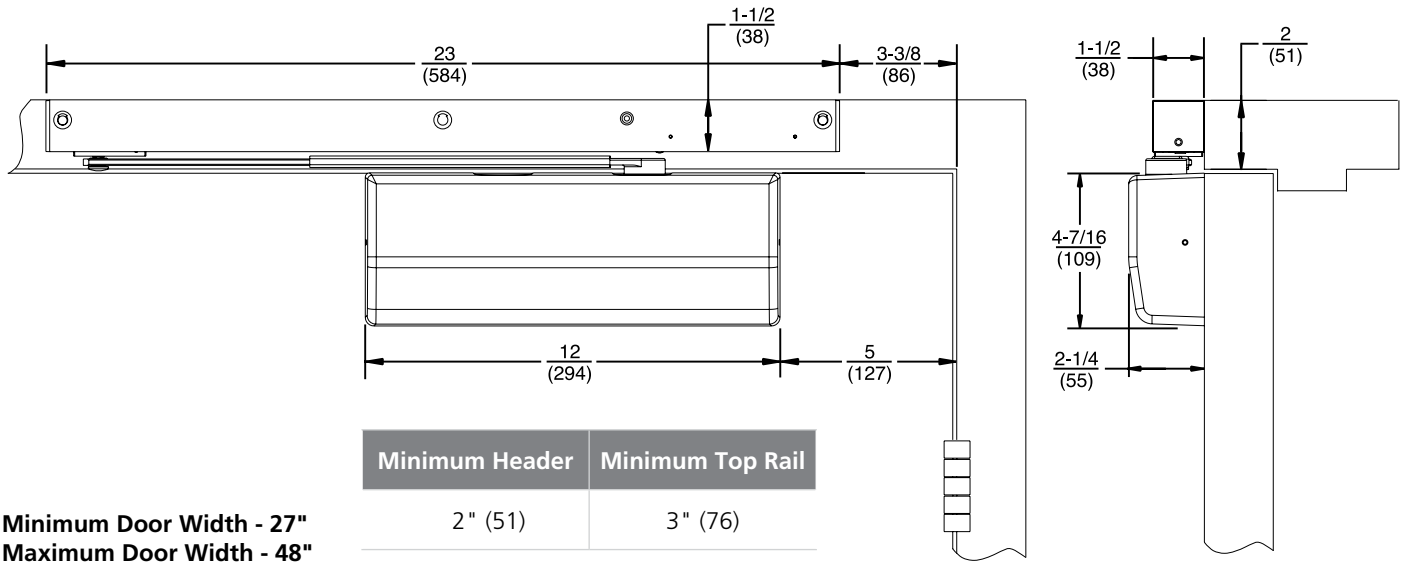
Maximum Opening	A	B	Minimum Top Rail
90°	6-1/2" (165)	27-5/8" (702)	5" (127)
180°	2-1/2" (64)	23-5/8" (600)	

Door Width Inches (cm)		Multi-Sized Closer Hold Open
Interior	Exterior	
28" (71)	—	DC8210 x A14
30" (76)	—	
36" (91)	30" (76)	
42" (107)	36" (91)	
48" (122)	42" (107)	
54" (137)	48" (122)	

Track Applications

DC8000

Pull Side Mounting - DC8230

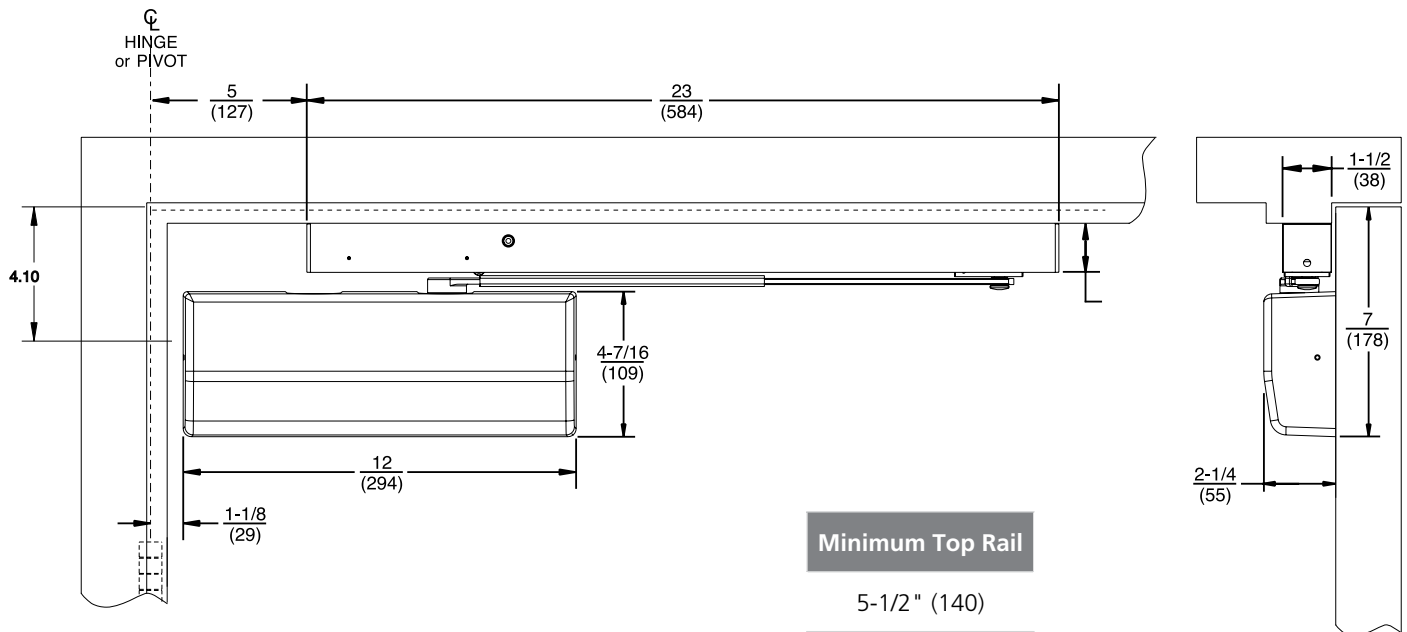


Minimum Door Width - 27"

Maximum Door Width - 48"

Consult factory if door weight exceeds 250lbs.

Push Side Mounting - DC8240

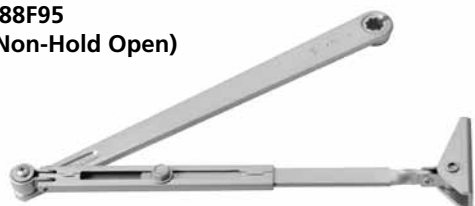


Minimum Door Width = 29"

Mounting holes for Quik-Install™ bracket are spaced 1" (25mm) x 10" (254mm)

Consult factory if door weight exceeds 250lbs.

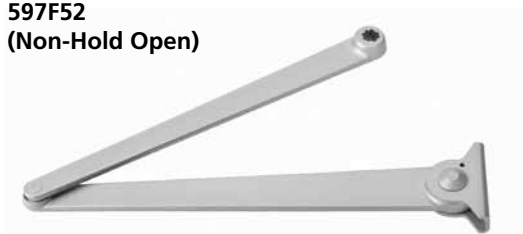
688F95
(Non-Hold Open)



688F77
(Hold Open)



597F52
(Non-Hold Open)



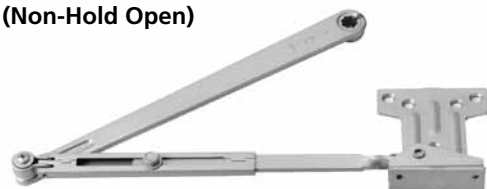
Regular Arm

- Used with Regular Arm mounting (pull side) and Top Jamb mounting (push side)
- Available in painted or plated finishes
- Non-hold open arm standard on the DC8200 closers
- Hold open arm optional, specify closer x **A1***

Heavy-Duty Regular Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on pull side
- Not available in plated finishes
- Optional on DC8200 closers, specify closer x **A10**

688F95 x 188F41
(Non-Hold Open)



688F77 x 509F49
(Hold Open)



Parallel Arm

- Mounted on push side
- Available in painted or plated finishes
- Non-hold open arm – combines regular arm with parallel arm mounting bracket
- Hold open arm – combines regular hold-open arm with parallel arm mounting bracket
- Non-hold open arm standard – order DC8210 series
- Hold open arm optional, specify closer x **A1***

Specify finish when ordering arms. *Not allowed by code on fire doors.

Arm Options

DC8000

689F02
(Non-Hold Open)



689F01
(Hold Open)



Heavy-Duty Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on push side
- Not available in plated finishes
- Optional on DC8210 closers
- Non-hold open arm, specify closer x **A3**
- Hold open arm, specify closer x **A2***. Hold open range 85° to 110°
- For use with overhead stops, specify closer x **A13** (non-hold open only)

689F03
(Non-Hold Open)



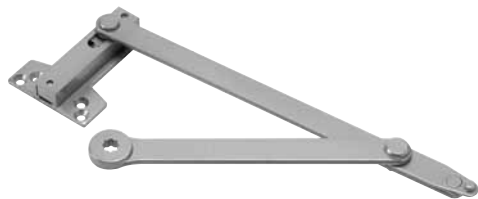
689F04
(Hold Open)



Heavy-Duty Reversible Backstop Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm (mounted on push side)
- Field-reversible steel lug restricts degree of opening to protect door, wall and hardware
- Requires both backcheck valves on closer
- Shipped standard as left hand. Handing can be reversed in the field
- Not available in plated finishes
- Optional on DC8210 closers
- Non-hold open arm, specify closer x **A4**. Door stop range 85° to 110°
- Hold open arm, specify closer x **A5***. Door stop/hold open range 85° to 110°

(Non-Hold Open)



(Hold Open)



Heavy-Duty Unitrol® Parallel Arm

- Recommended for high-use, high-abuse environments
- Integrates a door closer, shock absorber and auxiliary heavy-duty overhead stop
- Requires both backcheck valves on the closer
- Not available in plated finishes
- Hold open*
 - Holder mechanism tension adjustable
 - Hold open can be engaged/disengaged with a 1/4 turn of the mechanism with a standard blade type screwdriver
- Optional on DC8210 closers
- Non-hold open arm, specify closer x **A11 x door width**
- Hold open arm, specify closer x **A12 x door width**

Door Width	Part Numbers	
	Non-Hold Open	Hold Open
28" - 32" (71cm - 81cm)	615F52	615F51
33" - 41" (84cm - 104cm)	615F54	615F53
42" - 48" (107cm - 122cm)	615F56	615F55

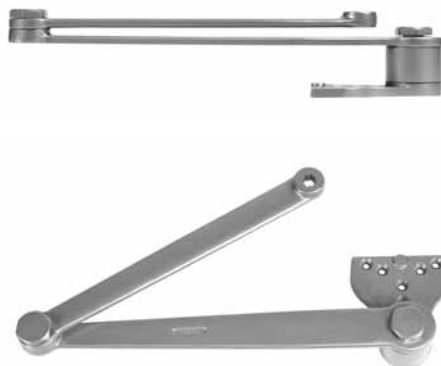
Refer to page 20 for bracket information

Specify finish when ordering arms. *Not allowed by code on fire doors.

Arm Options

DC8000

691F96 (Non-Hold Open)



Heavy-Duty Extra Clearance Parallel Arm

- Recommended for high-use, high-abuse environments
- Provides additional vertical clearance
- Mounted on push side
- Not available in plated finishes
- Optional on DC8210 closers
- Non-hold open arm only, specify closer x **A13**

Standard Clearance	Closer	691F96 With Spacer	Quick Code	Total Clearance
1-3/4"	DC8210	597F92	M77	2-1/4"
		597F93	M78	2-3/8"



Heavy-Duty Parallel Hold Open* Arm

- Recommended for high-use, high-abuse environment
- Requires auxiliary stop
- Allows door to swing 180°, conditions permitting
- Handed
- Mounted on push side
- Not available in plated finishes
- Optional on DC8210 closers
- Hold open arm, specify closer x **A14**

Part Number	Handing
692F04	Right Hand
692F05	Left Hand

*Not allowed by code on fire doors.

Arms and Brackets

DC8000



Pull Side Track Arm

- Provides a clean aesthetic look with maximum 100° door swing and a minimum door width of 28" (71cm)
- Mounted on pull side
- Hold open can be set for 85°, 90°, 95°, or 100°
- Not available in plated finishes
- Non-hold open standard on DC8230 closers
- Hold open, specify closer x **A1***

	Track Only	Arm Only
Non-Hold Open	754F09	754F16
Hold Open	754F10	



Push Side Track Arm

- Clean aesthetic look for doors opening a maximum of 100° and a minimum door width of 32" (81cm)
- Backcheck option recommended
- Not available in plated finishes
- Hold open*
 - From 85° to 100°
 - Turn knob offers the use the option of turning hold open on or off
- Mounted on push side

	Track and Arm	Track Only	Arm Only
Non-Hold Open	754F12	754F14	754F16
Hold Open	754F13	754F15	



Deep Reveal Arm (3-3/8" (86mm) - 7-1/4" (184mm))

- Accommodates top jamb mounting for reveals up to 7-1/4" (184mm), depending on door and frame conditions
- Mounted on push side
- Available in painted or plated finishes
- Optional on DC8220 closers
- Non-hold open, specify closer x **A6**
- Hold open, specify closer x **A8***

Non-Hold Open	691F72
Hold Open	691F74

Specify finish when ordering arms or tracks. *Not allowed by code on fire doors.

Mounting Brackets

DC8000

754F18



Universal QUIK-INSTALL Mounting Bracket

- Standard on all closers
- Reduces installation time
- Ensures correct mounting
- Bracket is first mounted to door or frame, then closer is attached
- Bracket size: 3-5/8" (92mm) x 11-1/2" (292mm)
- Hole spacing: 1" (25mm) x 10" (254mm)

244F17



Mortise Arm Bracket for Regular Arm Mounting

- For regular arm mounting where frame requires reinforcement, i.e., on frames with bull nose trim
- Not available in plated finishes
- Specify closer x M84

188F41



Parallel Arm Non-Hold Open Bracket

- Converts regular arm to parallel arm closer
- Standard with parallel arm mounting
- Packed with five screws and 691F78 spacer

509F49



Parallel Arm Hold Open Bracket

- Converts regular arm hold open to parallel arm hold open closer
- Standard with parallel arm hold open mounting

188F62



Parallel Arm Offset Bracket

- Required when parallel arm is used in conjunction with an overhead door holder
- Specify closer x M83

188F63



Parallel Arm Flush Transom Bracket

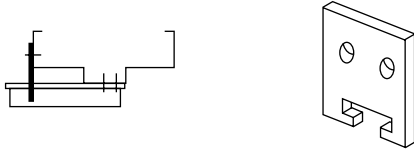
- Required when parallel arm mounting is used on a flush transom application
- Not available in plated finishes
- Specify closer x M82

Specify finish when ordering parts.

Brackets

DC8000

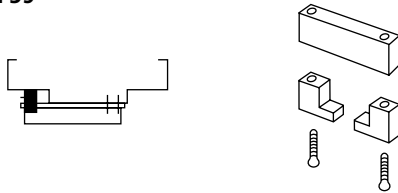
615F58



Reinforcing Bracket

- Supplied as standard for use with A11 and A12 spring stop arms
- Provides additional support to the soffit plate on installations with door frame reveals from 1-7/8" to 4-5/8" (48 to 117mm)
- Not available in plated finishes

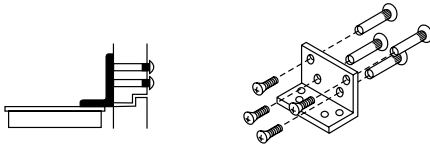
615F59



Deep Reveal Reinforcement Kit

- For use with A11 and A12 spring stop arms
- Used to support the soffit plate on installations with wide frames. Clamps may be used with or without the spacer block, depending on frame conditions
- Not available in plated finishes
- For frames deeper than 4-5/8" (117mm), specify closer x M103

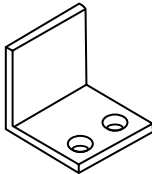
615F60



Flush Partition Bracket

- For use with A11 and A12 Unitrol® arms where rabbeted or flush transom conditions prevent installation of the soffit plate assembly
- Bracket fastens to the overhead transom to provide a mounting surface for the soffit plate assembly
- Specify closer x M104

447F14



Angle Support Bracket

- Available separately for mounting A2, A3, A4 and A5 heavy-duty arms on narrow frame or soffit conditions
- Specify closer x M85

499F30



Flush Transom Bracket

- Available separately for mounting A2, A3, A4 and A5 heavy-duty arms on rabbeted or flush transom conditions
- Not available in plated finishes
- Specify closer x M79

597F92-1/2" 597F93-5/8"



Blade Stop Spacer*

- Specify closer x M77 (597F92)
- Specify closer x M78 (597F93)

*Not for use with A11 or A12 arms

Maximum Power



Normal Power



Power Adjustment Arm Bracket

- Standard on all closers without hold open, except heavy-duty and track type
- In regular arm or top jamb mounting, bracket may be reversed to increase closing power 15%

Specify finish when ordering parts.

754F84



Full ABS Plastic Cover

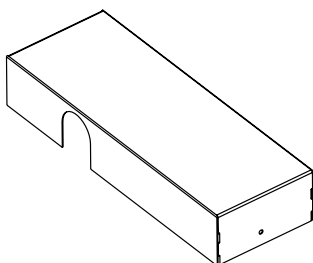
- Standard on all DC8000 series door closers
- Completely covers closer body
- Non-handed
- Dimensions: 11-7/8" (302mm) x 4-3/16" (106mm) x 2-1/8" (54mm) deep
- Available in painted finishes only

754F19



Full PVC Cover

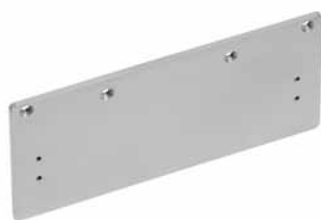
- Completely covers closer body
- Non-handed
- Dimensions: 11-7/8" (302mm) x 4-3/16" (106mm) x 2-1/8" (54mm) deep
- Available in painted finishes only



Full Metal Cover

- For use in high-abuse applications
- Specify hand; not field reversible
- Available in painted and plated finishes
- Dimensions: 11-7/8" (302mm) x 4-1/4" (108mm) x 2-1/8" (54mm) deep

Part Numbers	
RH/LHR	LH/RHR
754F22	754F23



Drop Plate

Permits parallel arm or top jamb mounting on door when top rail is too narrow to install closer in the regular manner. Minimum 2" (51mm) top rail required. To order separately, specify Part No. x Finish.

Closer Series	Drop Plate
DC8200	754F20
DC8200 (with concealed holder)	754F24
DC8210	754F25
DC8220	754F24
DC8230	754F20
DC8240	754F25



Retrofit Plates

For installation of Corbin Russwin DC8200 Closers where doors & frames have been prepared for LCN heavy-duty surface closers. To order with closers specify Closer x Quick Code.

To Replace LCN Model	Part Number	Quick Code
4040 Regular or Parallel Arm	754F28	M101F

754F36



Retrofit Plate

For installation of Corbin Russwin DC8200 closers where doors & frames have been prepared for the DC6200 closers. To order with closers specify Closer x Quick Code.

To Replace DC6000 Model	Part Number	Quick Code
Regular Arm	754F36	M101G
Parallel Arm or Top Jamb	754F46	M101H

Door Closer Sizes

DC8000

Factors in Determining Closer Size

1 – Weight and Height of Door

Doors vary in weight from light hollow-core wood doors to heavy metal doors. Door sizes listed in the chart are based on doors of standard weight and height. Extra-light or extra-heavy weight or unusual height must be compensated for.

2 – Draft and Wind Conditions

Draft and wind conditions are perhaps the most important factors to consider in determining the closer size required. Sizes listed in the chart apply to normal conditions. Stairwells, air conditioning, building construction, and door location can cause strong draft and wind conditions; these may necessitate adjusting spring power to a larger size or using a closer one size larger.

3 – Location of Closer

The degree of door opening required determines the location of the closer on the door. Closer sizes listed in the chart are based on 180° opening.

4 – Special Conditions

Deep reveals require optional extended arms. A top jamb plate is required when the jamb is too narrow for a normal top jamb mounting.

5 – Code Compliance

A multi-sized, fully adjustable closer such as the DC8200 closer provides the greatest flexibility in balancing barrier-free access, security and life safety codes. However, when a manual closer is installed and adjusted to comply with ADA or any other reduced opening force requirements, it may no longer have sufficient power to close and latch the door reliably.

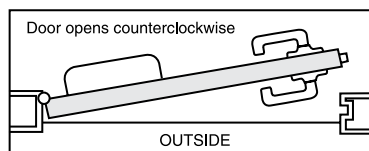
Recommended Door Closer Sizes				
Application	Door Width			Recommended Closer Size
	Interior	Exterior, In-Swinging	Exterior, Out-Swinging	
Regular or Top Jamb	28" (71cm)	—	—	1
	36" (91cm)	—	—	2
	42" (107cm)	30" (76cm)	36" (91cm)	3
	48" (122cm)	36" (91cm)	42" (107cm)	4
	54" (137cm)	42" (107cm)	48" (122cm)	5
	60" (152cm)	48" (122cm)	54" (137cm)	6
Parallel Arm	28" (71cm)	—	—	1
	30" (76cm)	—	—	2
	36" (91cm)	—	30" (76cm)	3
	42" (107cm)	—	36" (91cm)	4
	48" (122cm)	—	42" (107cm)	5
	54" (137cm)	—	48" (122cm)	6

Handing

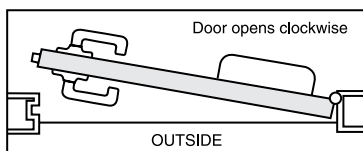
Refers to the direction a door swings; always determined from the outside of the door.

Regular Mounting

Door: left hand
Closer: left hand pull side

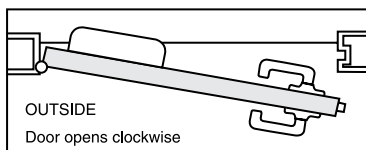


Door: right hand
Closer: right hand pull side

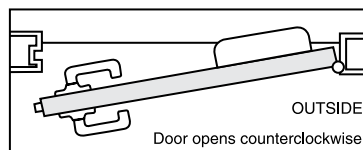


Parallel Arm Mounting

Door: left hand reverse bevel
Closer: right hand push side

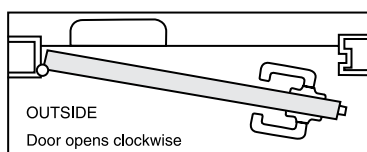


Door: right hand reverse bevel
Closer: left hand push side

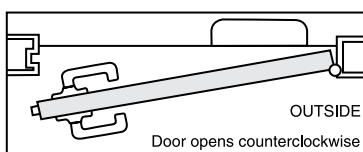


Top Jamb Mounting

Door: left hand reverse bevel
Closer: right hand push side



Door: right hand reverse bevel
Closer: left hand push side

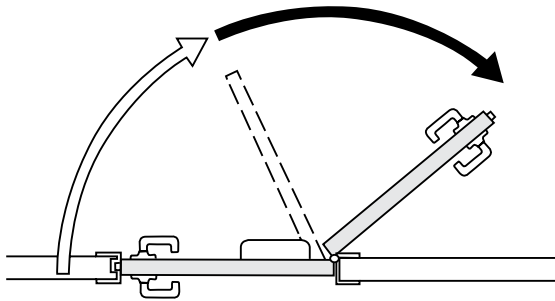


Helpful Terms

DC8000

Backcheck

Slows a door at approximately 70° of the opening cycle, by providing cushioned resistance to a forceful opening. Designed to protect people and objects behind the door and to prevent damage to the closer, hardware, and wall. Intensity can be increased or decreased. Not intended to act as a stop.



Closing Speed

The speed at which a door swings from the full open position to within a few degrees of latching. See Latching Speed.

Corrosion Protection

Additional painted covering on all external parts to deter oxidation and corrosion.

Delayed Action

Slows door closing speed between maximum opening and approximately 70°. Often specified to meet barrier-free codes which require longer closing times.

Door Stop

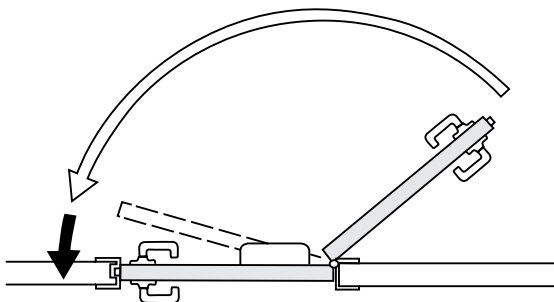
A device to stop the swing of a door.

Hold Open

Maintains door at a particular degree of opening. A mechanical hold-open may not be used on labeled fire doors, which must be self-closing.

Latching Speed

The speed of the door during the last few degrees of closing. Allows latching and prevents slamming.



Mounting

The method by which a closer is attached to the door and frame.

Backcheck Valve

Valve that changes the degree of door angle where backcheck occurs.

Multi-Sized Closer

A closer whose spring design allows full adjustment of the spring power size from 1 through 6.

Universal Quik-Install™ Mounting Bracket

Unique bracket which simplifies installation and minimizes installer fatigue.

Sex Nuts and Bolts (SNBs)

Through-bolts required for all non-steel-reinforced fire doors, and recommended for non-reinforced wood and mineral core doors.

Spring Power

A measurement of closing force, or the ability to overcome draft, air pressure, weight or other resistance to door closing.

Star Punch

An eight-point hole in the closer arm, permitting spindle pre-loading. Provides full functioning of backcheck and delayed action valves.

Universal Mounting

The ability of a closer to accommodate either hand for regular, top jamb or (using a bracket) parallel arm mounting.

Ordering Examples

Stock

Quantity	Series/ Mounting/Size	Finish
50	DC8210	689

Where to find ordering information and quick codes

Series/Mounting/Size	Page 27
Arm	Page 28
Finish	Page 28
Handing	Page 28
Door Thickness	Page 28
Miscellaneous Options	Page 29

Job Specific

Quantity	Series/ Mounting/Size	Arm	Finish	Hand	Thickness	Options
50	DC8210	A6	626	RH	D138	M71-M73

Split Finish

Quantity	Series/ Mounting Size	Option	Hand	Finish	
				Cover	Arm
10	DC8210	M73	RH	626	689

Note:

- Door closer warranty becomes void if it is installed on the exterior side of a door in the exterior wall of a building
- It is strongly recommended, and it is required on fire door assemblies, that doors having a door closer be hung on ball-bearing or anti-friction hinges or pivots
- Failure to use the correct type and size fasteners may void factory warranty
- Fasteners for fire/smoke door assemblies must conform to NFPA 80. In some applications additional fasteners may be mandated by NFPA 80 that are not shipped with Corbin Russwin standard product, such as sleeve nuts
- Consult factory if door weight exceeds 250lbs.

Description	Mounting	Specify						
		Non-sized	Size 1	Size 2	Size 3	Size 4	Size 5	Size 6
Multi-sized	Regular arm, top jamb and parallel arm	DC8210	—	—	—	—	—	—
	Track (Pull Side)	DC8230	—	—	—	—	—	—
	Track (Push Side)	DC8240	—	—	—	—	—	—
Factory Pre-Sized	Regular arm, top jamb and parallel arm	—	DC8211	DC8212	DC8213	DC8214	DC8215	DC8216
	Track (Pull Side)	—	—	—	—	DC8234	DC8235	DC8236
	Track (Push Side)	—	—	—	—	DC8244	DC8245	DC8246

Quick Codes

DC8000

Arm	Specify Quick Code
Regular non-hold open	(standard)
Hold open	A1*
Heavy-duty parallel with hold open	A2*
Heavy-duty parallel non-hold open	A3
Heavy-duty backstop non-hold open	A4
Heavy-duty backstop with hold open	A5*
Deep reveal (3-3/8" - 7-1/4")	A6
Deep reveal with hold open	A8*
Heavy-duty regular non-hold open	A10
Unitrol® non-hold open (specify door width)	A11
Unitrol with hold open (specify door width)	A12*
Push side track with hold open	A1*
Heavy-duty parallel with offset	A13
Heavy-duty friction hold open	A14*

***Hold open arms cannot be used on fire doors.**

Handing	Specify Quick Code
Left Hand/Right Hand Reverse	LH
Right Hand/Left Hand Reverse	RH

Blade Stop Spacer	Specify Quick Code
1/2"	M77
5/8"	M78

Door Width (A11 or A12 arms)	Specify Quick Code
28" - 32"	W28
33" - 41"	W33
42" - 48"	W42

Finishes

Standard painted finishes

Old Designation	Description	Specify Quick Code
USP	Primed for Painting	600
SBL	Silver Aluminum Painted	689
LBL	Dark Bronze Painted	690
DBL	Light Bronze Painted	691
FBL	Black Painted	693
GBL	Satin Brass Painted	696

Plated finishes available on arms and full metal cover

US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626

For split finish of closer cover and arm, specify cover finish first, then arm finish (e.g. DC8210 x M73 x Hand x 625 x 689).

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

Miscellaneous Options

Description	Specify Quick Code
Security Torx® machine screws	M04
Sex nuts and bolts (SNBs) (1-3/4" minimum thickness)	M54
Backcheck intensity valve	(standard)
Delayed action	M71
ABS plastic cover	(standard)
Full metal cover (Handed)	M73
PVC plastic cover	M115
Extreme temperature fluid	(standard)
Corrosion protection	M75
Drop plates - order by number	
Closer Series	Drop Plate Full Cover
DC8200 (Regular)	754F20
DC8200 (with concealed holder)	754F24
DC8210 (Parallel)	754F25
DC8220 (Top Jamb)	754F24
DC8230 (Pull Side)	754F20
DC8240 (Push Side)	754F25
Heavy-duty parallel arm flush transom bracket (499F30) used with all parallel arms except the Unitrol®	M79
Parallel arm flush transom bracket (parallel or A1)	M82
Parallel arm offset bracket	M83
Mortise arm bracket (for regular arm mounting)	M84
Angle support bracket	M85
Spacer (691F78) (formerly M86 quick code)	(standard)
Security package (available with A2, A3, A4, A5, A10 & A13 optional arms). Covers are handed.	M87
Retrofit kit LCN 4040 RA or PA	M101F
DC6000 retrofit plate (754F36)	M101G
DC6000 retrofit plate (754F46)	M101H
Deep reveal reinforcement kit	M103
Flush partition (used with <i>Unitrol</i> arm)	M104
Lead-lined cover	M108

Specifications

DC8000

ANSI/BHMA A156.4 Certified Closer Cross Reference

ANSI/ BHMA Number	Function	Series	PT 4A 15% Power Adjustment	PT 4B 35% Power Adjustment	PT 4C 50% Power Adjustment	PT 4D Adjustable Backcheck	PT 4F Delayed Action	PT 4G Dead Stop	PT 4H Fully Adjustable
CO2011 (PT 1)	Hinge Side Mounting	DC8200	S	S	S	S	O	N/A	S
CO2051 (PT1)	Hinge Side Mounting	DC8200-A1	S	S	S	S	O	N/A	S
CO2021 (PT 1)	Parallel Arm Mounting	DC8210	S	S	S	S	O	O	S
CO2061 (PT 1)	Parallel Arm Mounting	DC8210-A1	S	S	S	S	O	O	S
CO2041 (PT 1)	Top Jamb Mounting	DC8220	S	S	S	S	O	N/A	S
CO2081 (PT 1)	Top Jamb Mounting	DC8220-A1	S	S	S	S	O	N/A	S
CO2231 (PT 1)	Push Side Track Mounting	DC8240	S	S	S	S	O	O	S
CO2241 (PT 1)	Push Side Track Mounting	DC8240-A1	S	S	S	S	O	O	S
CO2211 (PT 1)	Pull Side Track Mounting	DC8230	S	S	S	S	O	O	S
CO2221 (PT 1)	Pull Side Track Mounting	DC8230-A1	S	S	S	S	O	O	S

ANSI Performance Requirements: (PT 1) — 1,500,000 cycles — closer with backcheck feature.

N/A = not available

S = standard

O = option available

ANSI Options: DC8200 includes PT4-A, B, C, D, H. Optional: PT4-F, G, J.

Suggested Specification

Door closers shall be of rack and pinion construction with a cold headed heat-treated steel spindle and a sintered steel piston precision machined and heat treated. The case shall be of cast iron. Closers shall have a heavy-duty, forged steel main arm.

Optional arms shall include parallel, hold open, heavy-duty, heavy-duty hold open, heavy-duty reversible backstop, heavy-duty reversible backstop with hold open, heavy-duty Unitrol®, heavy-duty *Unitrol* with hold open, deep reveal, top jamb track and stop mounted track.

The following size options shall be available:

Fully adjustable spring power to accommodate sizes 1 through 6.

Spring power shall be adjustable by one half size over minimum for each size.

All sizes shall be accommodated in one closer body. Closing shall be controlled by two valves — one to control closing speed and one to control latching speed. Valves shall be concealed against unauthorized adjustment and be non-critical with “O” ring seals.

Delayed action shall be available and shall be accomplished with a separate valve.

Closers shall be available with an adjustable backcheck intensity valve with a safety feature that automatically relieves internal pressure when backcheck has reached the desired adjustment level. Valves shall be accessible without removing the closer from the door.

Closers shall be available with a backcheck intensity valve. Backcheck begins at approximately 70 degrees of door opening for all applications. This valve shall be operative on regular, top jamb, parallel arm, and track type mountings.

Closers shall be surface applied with rectangular cover, and shall be devoid of manufacturer’s trademarks. Closers shall not project over 2-3/16", and shall be capable of mounting on 1-3/4" top rail or inverted mounting on 1-3/4" top jamb. Full cover and full metal cover with security fasteners shall be available. When required, metal covers shall be available in plated finishes. Closers without hold open shall be regularly furnished with power adjustment arm bracket capable of providing a 15% power adjustment. A Quik-Install™ mounting bracket to attach the closer shall be regularly furnished. Closers not having a mounting bracket shall not be acceptable. Hydraulic fluid shall be of a type requiring no seasonal valve readjustment due to extreme temperature variations.

Closers mounted regular arm, top jamb and parallel arm shall allow for full 180° door opening.

Closers with non-hold open arms shall be listed by Underwriters Laboratories.

All closers with metal covers shall be available in architectural finishes to match corresponding door hardware.

Certification:

ANSI/BHMA A156.4, Grade 1

ADA/ANSI A117.1

UL10C and UBC

Closers shall carry a 25-year limited warranty.

Closers shall be Corbin Russwin (DC8200) series.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
www.corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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

ED4000

Narrow Stile Pushpad Exit Devices



Introduction

ED4000

Table of Contents

Applications.....	2
Applications and Listings.....	3
Functions.....	4
SecureBolt® Features.....	6
Rim Features.....	8
Surface Vertical Rod Features....	10
Concealed Vertical Rod Features.....	12
Trims and Functions.....	14
Electrified Exit Devices.....	18
Mullions.....	29
Options and Accessories.....	30
Cylinders.....	32
How to Order.....	33
Quick Codes.....	34
Facts and Figures.....	36
Helpful Terms.....	37
How to Specify.....	38

Applications

Designed for applications on narrow stile full glass, aluminum and metal doors in high-use and high-abuse situations, ED4000 Series devices can be teamed with a variety of Corbin Russwin trims to provide desired functions, styles and finishes in new construction and renovations, including:





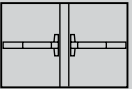
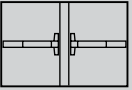
- Schools and universities
- Health care facilities
- Government and municipal buildings
- Factories and warehouses
- Office and retail complexes
- Transportation facilities
- Hotels and conference centers
- Religious facilities
- Theaters and auditoriums

Advantages

- Meets ANSI Grade 1 requirements
- Easy-to-use pushpad for quick egress and ADA compliance
- Low projection for barrier-free code compliance
- Heavy-duty construction
- Quiet operation
- Closed on all sides – no projecting parts to inhibit egress
- Devices accommodate various function trims for flexibility
- Through-bolted trims for strength, security, durability, smooth operation and easy installation
- Wide range of designs and finishes to match other Corbin Russwin products
- One-point dogging
- Devices satisfy UL/cUL safety requirements

Applications and Listings

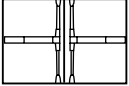
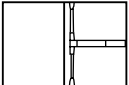
ED4000

Single Door	UL Listing	Maximum Opening (W x H)	Application	
Rim				
ED4200		4' x *	Surface applied; single-point latching.	
ED4200M	Panic	4' x *	Surface applied single-point latching.	
ED4200MA	3Hr.	4' x 8'	Surface applied single-point latching.	
SecureBolt®				
ED4200S		4' x *	Surface applied; single-point latching.	
ED4200SM	Panic	4' x *	Surface applied single-point latching.	
ED4200SMA	3Hr.	4' x 8'	Surface applied single-point latching.	
Surface Vertical Rod				
ED4400		4' x 10'	Surface applied; two-point latching.	
ED4400M	Panic	4' x 10'	Surface applied two-point latching.	
ED4400MA	3Hr.	4' x 10'	Surface applied two-point latching.	
Concealed Vertical Rod				
ED4800		4' x 10'	Rods concealed in door; two-point latching.	
ED4800M	Panic	4' x 10'	Rods concealed in door two-point latching.	
ED4800MA	3Hr.	4' x 10'	Rods concealed in door two-point latching.	
Pair of Doors with Removable Mullion	UL Listing	Maximum Opening (W x H)	Application	
Rim x Rim				
ED4200 x ED4200 x 808		8' x 8'	Two independent active doors with removable mullion.	
ED4200M x ED4200M x 808	Panic	8' x 8'	Two independent active doors with removable mullion.	
ED4200MA x ED4200MA x 808	3Hr.	8' x 8'	Two independent active doors with removable mullion.	
SecureBolt® x SecureBolt®				
ED4200S x ED4200S x 808		8' x 8'	Two independent active doors with removable mullion.	
ED4200SM x ED4200SM x 808	Panic	8' x 8'	Two independent active doors with removable mullion.	
ED4200SMA x ED4200SMA x 808	3Hr.	8' x 8'	Two independent active doors with removable mullion.	

Note: All ED4000 Series Narrow Stile Pushpad Exit Devices are UL305 panic listed.
*UL does not set a door height limitation on panic applications.

Applications and Listings

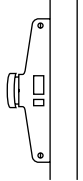
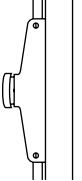
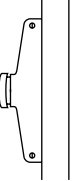
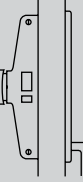


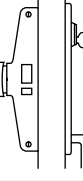









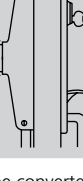

ED4000

Pair of Doors	UL Listing	Maximum Opening (W x H)	Application	
Surface Vertical Rod				
ED4400 x ED4400		8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
ED4400M x ED4400M	Panic	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
ED4400MA x ED4400MA	3Hr.	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
Surface Vertical Rod (Double Egress)				
ED4400 x ED4400		8' x 10'	Two independent doors with two-point latching, swinging in opposite directions.	
ED4400M x ED4400M	Panic	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
ED4400MA x ED4400MA	3Hr.	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
Concealed Vertical Rod				
ED4800 x ED4800		8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
ED4800M x ED4800M	Panic	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
ED4800MA x ED4800MA	3Hr.	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
Concealed Vertical Rod (Double Egress)				
ED4800 x ED4800		8' x 10'	Two independent doors with two-point latching, swinging in the opposite direction.	
ED4800M x ED4800M	Panic	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	
ED4800MA x ED4800MA	3Hr.	8' x 10'	Two independent doors with two-point latching, swinging in the same direction.	

Note: All ED4000 Series Narrow Stile Pushpad Exit Devices are UL305 panic listed.

*UL does not set a door height limitation on panic applications.

Exit Only, Pull and Thumbpiece Trims

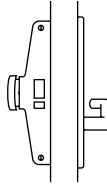
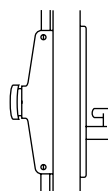
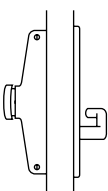
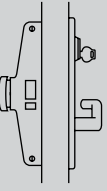
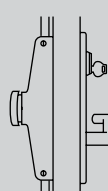
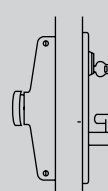
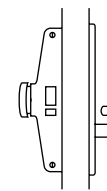
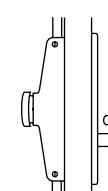
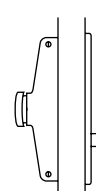
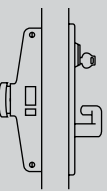
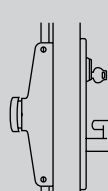
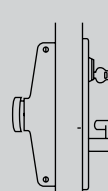
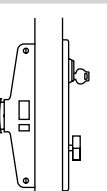
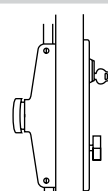
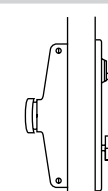
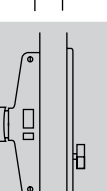
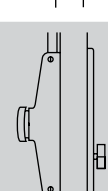
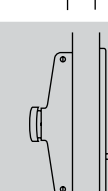
Rim/SecureBolt® ED4200 ED4200S Inside Outside	Surface Vertical Rod ED4400 Inside Outside	Concealed Vertical Rod ED4800 Inside Outside	Type	ANSI No.	Function Description
			Exit Only	01	Exit only; no trim.
			Dummy	02	Entrance by trim when actuating bar is locked down.
			Nightlatch	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked.
			Classroom*	05	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
			Passage	15	Entrance by trim when latch is released by thumbpiece. Thumbpiece is always active, no cylinder.
			Storeroom (Thumbpiece Active)	06	Entrance by thumbpiece only when released by key. Key removable only when locked.

*Classroom function trims can be converted to Storeroom function by a simple field adjustment.

Functions

ED4000

Knob, Lever and Thumbturn Trims

Rim/SecureBolt® ED4200 ED4200S Inside Outside	Surface Vertical Rod ED4400 Inside Outside	Concealed Vertical Rod ED4800 Inside Outside	Type	ANSI No.	Function Description
			Dummy	02	Entrance by trim when actuating bar is locked down.
			Classroom*	06	Entrance by knob or lever. Key locks or unlocks knob or lever.
			Passage	14	Entrance by trim when latchbolt is released by knob or lever. Knob or lever always active, no cylinder.
			Storeroom (Grip Active)	09	Entrance by knob or lever only when released by key. Key removable only when locked.
			Classroom*	11	Entrance by control turn piece. Key locks or unlocks control.
			Passage	16	Latchbolt retracted by thumbturn.

*Classroom function trims can be converted to Storeroom function by a simple field adjustment.

SecureBolt® Features

ED4000

ED4200S Narrow Stile SecureBolt® Exit Device



Features

Handing

Device non-handed.
Trim handed.

Bar Length

Easily field cut to size.
Standard: 36" (914mm) bar fits 30" - 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36" - 48" (914mm-1219mm) door; specify W048.

Door Thickness

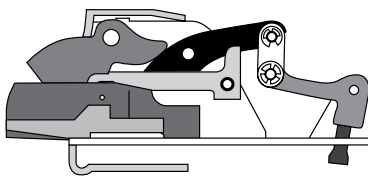
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile

Minimum width 2" (51mm).

Deadbolt

Full 3/4" (19mm) projection, 1" (25mm) wide, positive deadlocking by auxiliary bolt.



Cutaway Side View

Materials

High-grade, heat-treated, corrosion-resistant nickel steel alloy. Finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Latchbolt

Stainless steel. Slide action deadbolt with positive deadlocking by auxiliary bolt. Two-piece deadbolt mechanism utilizing a roll-back lever which eliminates any contact (friction) with the strike during relocking.

Projection

3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging

Standard: single-point 1/4 turn hex key dogging.
Optional: less dogging; specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging, specify M97.

Fasteners

Standard: machine screws.
Optional: sex nuts and bolts; specify M54.

Strike

Surface mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, ensuring low-friction relocking for a long, trouble-free life.

Functions and Trims

Through-bolted lever, knob, pull, thumbturn and thumbpiece trims available with wide range of functions; see Trims and Functions, page 14.

Cylinders

Cylinder not included unless specified. See Quick Codes, page 32.

Removable Mullion

See Mullions, page 27.

Shim Kit

Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings

See page 3.

Warranty

Five-year limited.

Certification/Compliance

ANSI

Meets A156.3, Type 4 or 28, Grade 1.
Meets A117.1 Accessibility Code.

UL/CUL

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on active case cover indicates listing.

California State Reference Code

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA

All exit devices comply with NFPA 101 Life Safety Code.

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

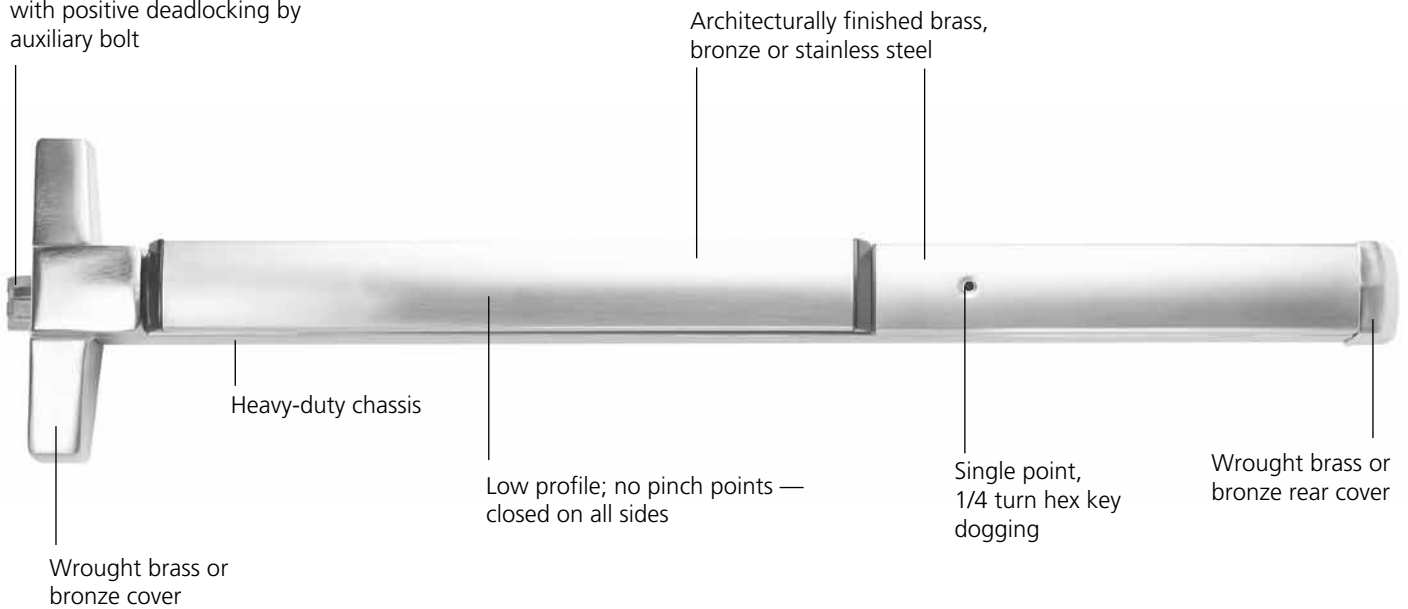
BHMA 605	Bright Brass	
BHMA 606	Satin Brass	
BHMA 611	Bright Bronze	
BHMA 612	Satin Bronze	
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered	
BHMA 618	Bright Nickel Plated	
BHMA 619	Satin Nickel Plated	
BHMA 625	Bright Chromium Plated	
BHMA 626	Satin Chromium Plated	
626C	Satin Chromium Plated with MicroShield®	
BHMA 629	Bright Stainless Steel	
BHMA 630	Satin Stainless Steel	
630C	Satin Stainless Steel with MicroShield®	
BHMA 722	Black oxidized bronze, oil rubbed	

SecureBolt® Features

ED4000

ED4200S SecureBolt® Exit Device

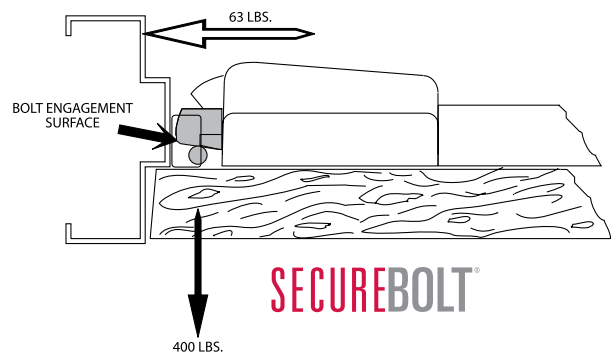
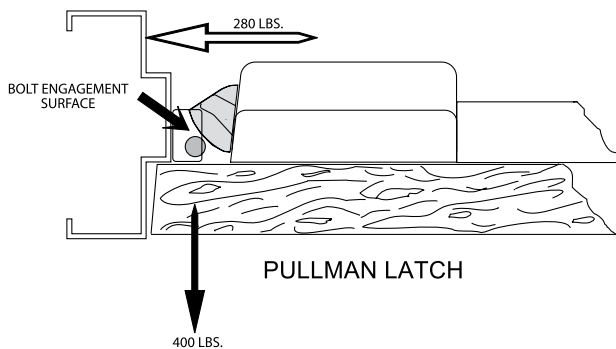
3/4" (19mm) projection x 1" wide deadbolt-style latchbolt with positive deadlocking by auxiliary bolt



Vector Forces

In terms of an exit device, vector forces mean that pressure applied to the door results in a force against the stop and the frame, resulting in door/frame separation. The standard pullman latchbolt applies 280 pounds of force against the frame from a 400-pound pull on the door.

The SecureBolt® exit device only applies 63 pounds of force against the frame from a 400-pound pull on the door. Less force means the door and frame do not separate, providing a higher level of security, as the door cannot be pulled open.



Rim Features

ED4000



ED4200 Narrow Stile Rim Exit Device

Features

Handing

Device non-handed.
Trim handed.

Bar Length

Easily field cut to size.
Standard: 36" (914mm) bar fits 30" - 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36" - 48" (914mm-1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile

Minimum width 2" (51mm).

Latchbolt

3/4" (19mm) throw, pullman type with stainless steel deadlocking latch.

Materials

Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection

3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging

Standard: single point 1/4 turn hex key dogging.
Optional: less dogging; specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging; specify M97.

Fasteners

Standard: machine screws.
Optional: sex nuts and bolts; specify M54.

Strike

Surface mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims.

Functions and Trims

Through-bolted lever, knob, pull, thumbturn and thumbpiece trims available with wide range of functions; see Trims and Functions, page 14.

Cylinders

Cylinder not included unless specified. See Quick Codes, page 32.

Removable Mullion

See Mullions, page 27.

Shim Kit

Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings

See page 3.

Warranty

Five-year limited.

Certification/Compliance

ANSI

Meets A156.3, Type 4, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on active case cover indicates listing.

California State Reference Code

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.



NFPA

All exit devices comply with NFPA 101 Life Safety Code.

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

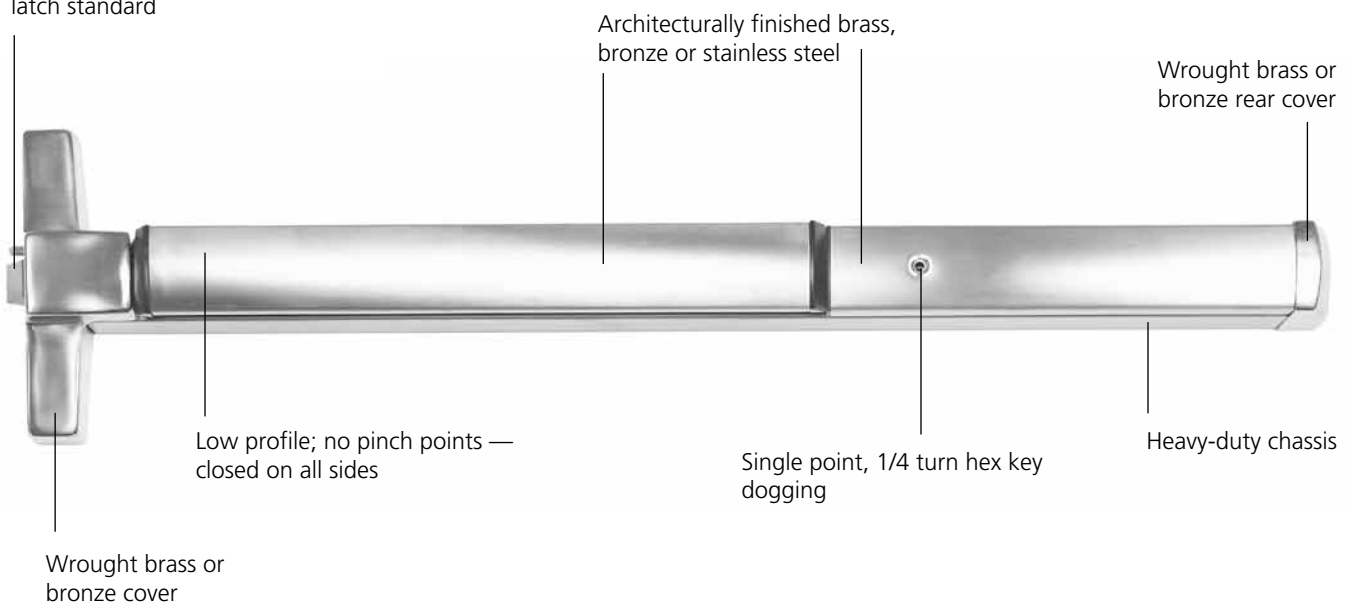
BHMA 605	Bright Brass	
BHMA 606	Satin Brass	
BHMA 611	Bright Bronze	
BHMA 612	Satin Bronze	
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered	
BHMA 618	Bright Nickel Plated	
BHMA 619	Satin Nickel Plated	
BHMA 625	Bright Chromium Plated	
BHMA 626	Satin Chromium Plated	
626C	Satin Chromium Plated with MicroShield®	
BHMA 629	Bright Stainless Steel	
BHMA 630	Satin Stainless Steel	
630C	Satin Stainless Steel with MicroShield®	
BHMA 722	Black oxidized bronze, oil rubbed	

Rim Features

ED4000

ED4200 Narrow Stile Rim Exit Device

3/4" (19mm) throw pullman type
latchbolt with auxiliary deadlocking
latch standard



Surface Vertical Rod Features

ED4000

ED4400 Narrow Stile Surface Vertical Rod Exit Device

Features

Handing

Device is handed but easily field reversible. Trim handed.

Bar Length

Easily field cut to size.

Standard: 36" (914mm) bar fits 30" - 36" (762mm-914mm) door.

Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.

Optional: 48" (1219mm) bar fits 36" - 48" (914mm-1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.

Optional: 2" (51mm); specify D200.

Optional: 2-1/4" (57mm); specify D214.

Stile

Minimum width 2" (51mm).

Door Height

Standard: Top rod for 7' door.

All top rods easily field cut to size.

Optional door heights available; see Quick Codes, page 32.

Latchbolt

Top: 3/4" (19mm) throw, pullman type with automatic deadlatching.

Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods

1/2" O.D. tubular brass, bronze or stainless steel with rod guides.

Materials

Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection

3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging

Standard: single point 1/4 turn hex key dogging.

Optional: less dogging; specify M51.

Optional: cylinder dogging; specify M52.

Optional: electric dogging; specify M97.

Fasteners

Standard: machine screws.

Optional: sex nuts and bolts; specify M54.

Strike

Top: Adjustable roller strike with positive locking plate and shims.

Bottom: flush mounted.

Optional strikes available; see Options and Accessories, page 28.

Functions and Trims

Through-bolted lever, knob, pull, thumbturn and thumbpiece trims available with wide range of functions; see Trims and Functions, page 14.

Cylinders

Cylinder not included unless specified. See Quick Codes, page 32.

Shim Kit

Optional for mounting device over raised vision light moding; specify M58.

Applications and Listings

See page 3.

Warranty

Five-year limited.

Certification/Compliance

ANSI

Meets A156.3, Type 5, Grade 1.

UL/cUL

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on active case cover indicates listing.

California State Reference Code

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.



NFPA

All exit devices comply with NFPA 101 Life Safety Code.

ADA

Lever trims and pulls comply with Americans with Disabilities Act.

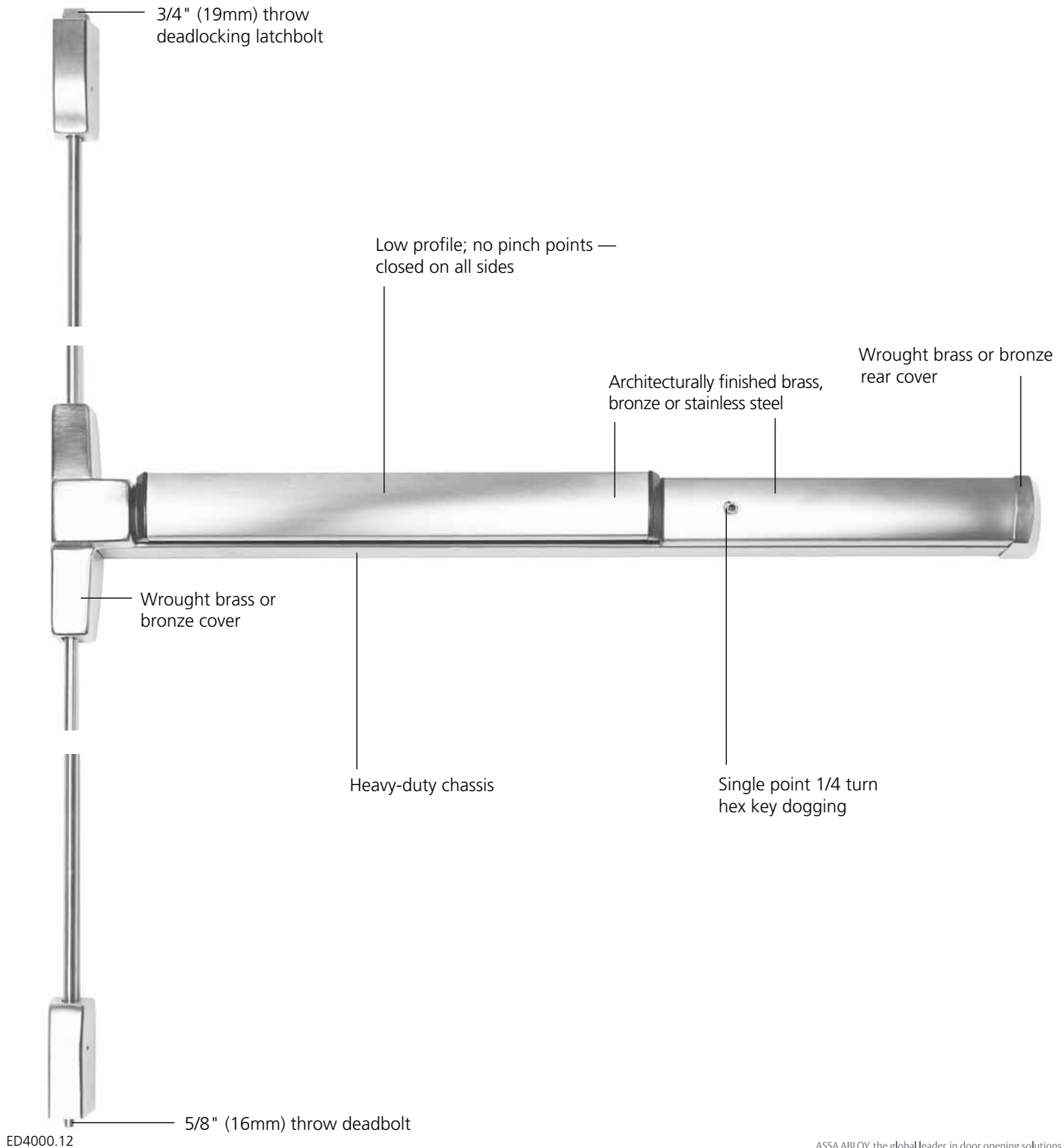
Finishes

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BHMA 606	Satin Brass	
BHMA 611	Bright Bronze	
BHMA 612	Satin Bronze	
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered	
BHMA 618	Bright Nickel Plated	
BHMA 619	Satin Nickel Plated	
BHMA 625	Bright Chromium Plated	
BHMA 626	Satin Chromium Plated	
626C	Satin Chromium Plated with MicroShield®	
BHMA 629	Bright Stainless Steel	
BHMA 630	Satin Stainless Steel	
630C	Satin Stainless Steel with MicroShield®	
BHMA 722	Black oxidized bronze, oil rubbed	

Surface Vertical Rod Features

ED4000

ED4000 Surface Vertical Rod Exit Device



Concealed Vertical Rod Features

ED4000

ED4800 Narrow Stile Concealed Vertical Rod Exit Device



Features

Handing

Device handed but easily field reversible.
Lever trim handed.

Bar Length

Easily field cut to size.
Standard: 36" (914mm) bar fits 30" - 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36" - 48" (914mm-1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile

Minimum width 2" (51mm).

Door Height

Standard: Top rod for 8' door.
Telescoping rod assembly to accommodate various door heights.
Optional door heights available; see Quick Codes, page 32.

Latchbolt

Top: 3/4" (19mm) throw, pullman type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods

1/2" O.D. tubing, electroplated for corrosion resistance.

Materials

Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection

3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging

Standard: single point 1/4 turn hex key dogging.
Optional: less dogging; specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging; specify M97.

Fasteners

Standard: machine screws.
Optional: sex nuts and bolts; specify M54.

Strike

Top: adjustable roller strike with positive locking plate and shims.
Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 28.

Functions and Trims

Through-bolted lever, knob, pull, thumbturn and thumbpiece trims available with wide range of functions; see Trims and Functions, page 14.

Cylinders

Cylinder not included unless specified. See Quick Codes, page 32.

Shim Kit

Optional for mounting device over raised vision light moding; specify M58.

Applications and Listings

See page 3.

Warranty

Five-year limited.

Certification/Compliance

ANSI

Meets A156.3, Type 6, Grade 1.
Meets A117.1 Accessibility Code.

UL/CUL

All devices listed for safety as panic hardware; devices comply with UL 305.
UL symbol on active case cover indicates listing.

California State Reference Code

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.



NFPA

All exit devices comply with NFPA 101 Life Safety Code.

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

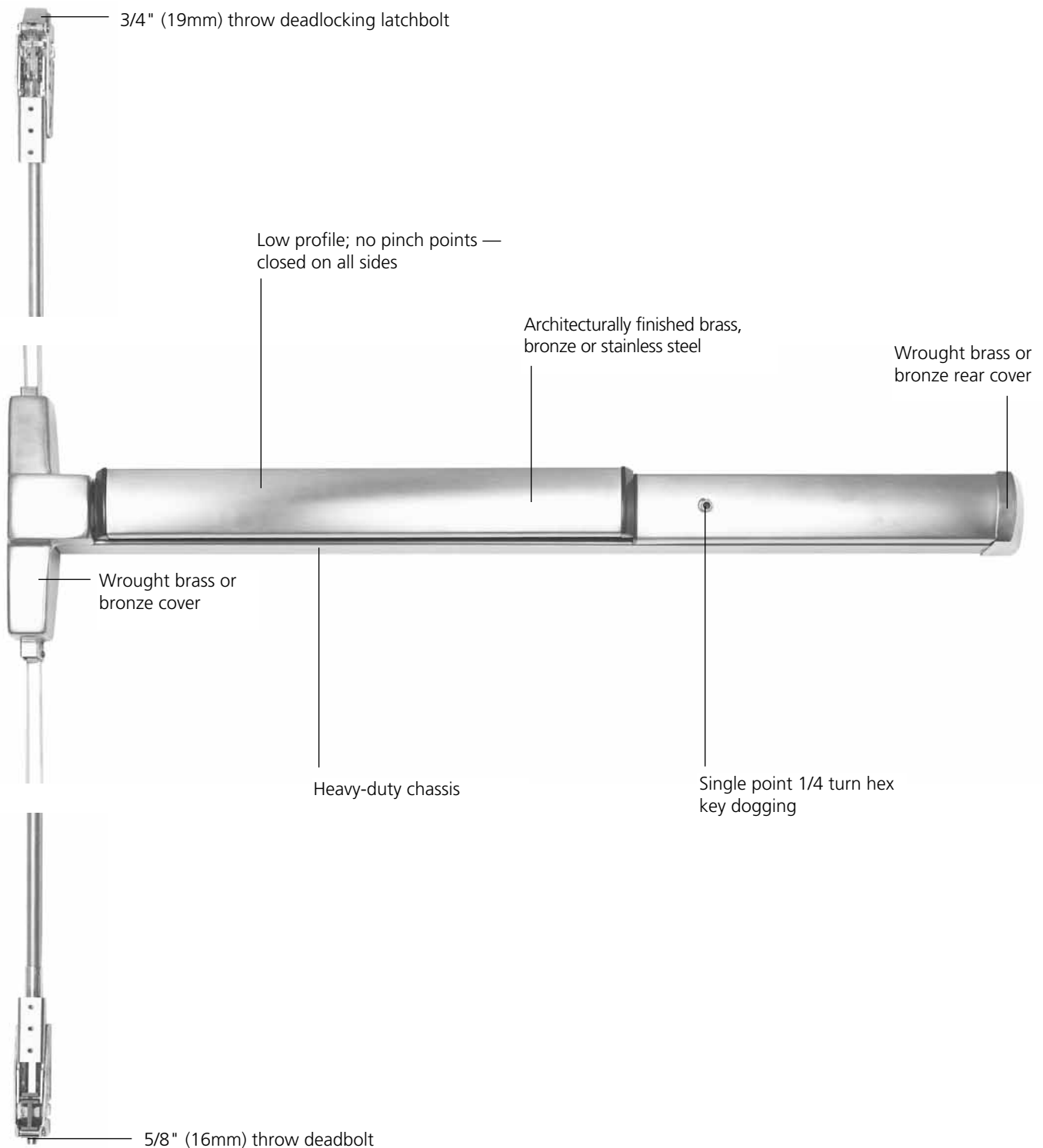
Finishes

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BHMA 606	Satin Brass	
BHMA 611	Bright Bronze	
BHMA 612	Satin Bronze	
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered	
BHMA 618	Bright Nickel Plated	
BHMA 619	Satin Nickel Plated	
BHMA 625	Bright Chromium Plated	
BHMA 626	Satin Chromium Plated	
626C	Satin Chromium Plated with MicroShield®	
BHMA 629	Bright Stainless Steel	
BHMA 630	Satin Stainless Steel	
630C	Satin Stainless Steel with MicroShield®	
BHMA 722	Black oxidized bronze, oil rubbed	

Concealed Vertical Rod Features

ED4000

ED4800 Concealed Vertical Rod Panic Exit Device



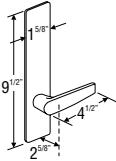


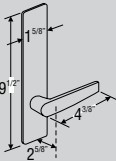


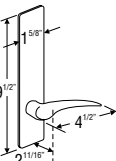


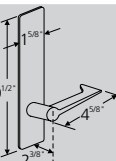


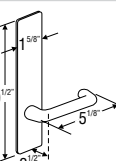


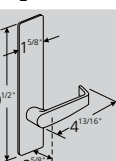


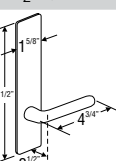


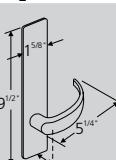


Trims and Functions

ED4000

Features:

- Fourteen architectural finishes
- Lever designs allow for design continuum with Corbin Russwin line
- 1-year limited warranty


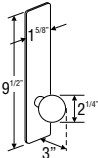

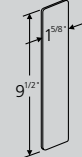

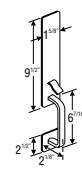



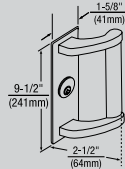

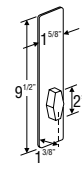

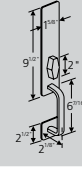


Trim Designs			Passage ANSI No. 14	Dummy ANSI No. 02	Classroom* ANSI No. 08	Storeroom ANSI No. 09	
	Armstrong A8 Lever: Cast Escutcheon: Wrought Cylinder: Rim			A810	A850	A855	A859
	Citation C8 Lever: Cast Escutcheon: Wrought Cylinder: Rim			C810	C850	C855	C859
	Dirke D8 Lever: Cast Escutcheon: Wrought Cylinder: Rim			D810	D850	D855	D859
	Essex E8 Lever: Cast Escutcheon: Wrought Cylinder: Rim			E810	E850	E855	E859
	Lustra L8 Lever: Cast Escutcheon: Wrought Cylinder: Rim			L810	L850	L855	L859
	Newport N8 Lever: Cast Escutcheon: Wrought Cylinder: Rim			N810	N850	N855	N859
	Regis R8 Lever: Cast Escutcheon: Wrought Cylinder: Rim			R810	R850	R855	R859
	Princeton PR8 Lever: Cast Escutcheon: Wrought Cylinder: Rim			PR810	PR850	PR855	PR859

Trims and Functions

ED4000

Features:

- Fourteen architectural finishes
- Lever designs allow for design continuum with Corbin Russwin line
- 1-year limited warranty

Trim Designs		Passage ANSI No. 14/15/16	Dummy ANSI No. 02	Classroom ANSI No. 05/08/11	Storeroom/Night- latch ANSI No. 03/06/09/12
	Global G8 Knob: Wrought Escutcheon: Wrought Cylinder: Rim		G810 (14)	G850	G855 (08) G859 (09)
	Plate F4 Plate: Wrought Cylinder: Rim		N/A	F450 ²	N/A F457 ² (03)
	Pull/Thumbpiece T14 Pull: Cast Escutcheon: Wrought Cylinder: Rim		T1410 (15)	 T1450 ^{1,2}	 T1455 (05) T1457 ^{1,2} (06)
	Pull P10 Pull: Extruded Escutcheon: Wrought Cylinder: Rim		N/A	P1050 ²	N/A P1057 ² (03)
	Plate x Thumbturn O8 Plate: Wrought Thumbturn: Cast Cylinder: Rim		O810 (16)	N/A	O855 (11) O859 (12)
	Pull x Thumbturn O14 Pull: Cast Thumbturn: Cast Cylinder: Rim		O1410 (16)	N/A	O1455 (11) O1459 (12)
	Key Only K1 Note: Available with cylinder option only. Ex: K157 x 6P		N/A	N/A	N/A K157 ² (03)



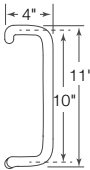





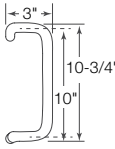
Note: Classroom function trims can be converted to Storeroom function by a simple field adjustment.

1. Pull only, no thumbpiece.

2. Not recommended for use with surface or concealed vertical rod exit devices.

Utility Trims and Functions

ED4000

Offset Pull Trim: P12, P13, P14*				
	Offset Pull P12 Clearance: 2-1/2"			Specify Part Number, 716F50M x Finish ¹
	Offset Pull P13 Clearance: 2-1/2"			Specify Part Number, 716F51M x Finish ¹
	Offset Pull P14 Clearance: 2-1/2"			Specify Part Number, 716F52M x Finish ¹

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.
 *Available on 1-3/4" thick doors only.

Electrified Exit Devices

ED4000

Electrified Exit Devices

The Corbin Russwin ED4000 series electrified exit devices offer a complete range of options that may be integrated into the monitoring security and alarm systems of most buildings. The continuum of appearance is maintained, as well as the security and function of the ED4000 mechanical exit device.



List No.	Exit Device Description	Available Options						
		M61	M91	M92	M93	M94	M97	D
ED4200	Rim Exit Device	x	x	x	x	x	x	x
ED4200S	Rim SecureBolt® Device	x	x	x	x	x	x	x
ED4400	Surface Vertical Rod	x	x	x	x	x	x	x
ED4800	Concealed Vertical Rod	x	x	x	x	x	x	x

Electrified Hardware Option Descriptions

M61	Alarm Option
M91	Bolt Monitor
M92	Touchbar Monitor
M93	Trim Monitor
M94	Electric Latch Pullback
M97	Electric Dogging
D	Delayed Egress

Notes:

- The following options cannot be ordered together on the same device:

D x M52	M52 x M61
D x M61	M52 x M97
D x M92	M61 x M92
D x M94	M94 x M97
D x M97	ED4400 x M61 with Monitors M91, M92 or M93
- When ordering a Surface Vertical Rod exit device with the D option (ED4400D), rod and latch quards (provided by others) must be used.

* Add as suffix to exit device.
Example: ED5400D x 630 x RHR

Electrified Exit Devices

ED4000

Electric Latch Pullback - M94

Continuous-duty solenoid retracts the latchbolt(s) for momentary or maintained periods of time. Latch Pullback provides a remote means of unlocking exit devices.

Application

SecureBolt® Exit Devices
Rim Exit Devices
Surface Vertical Rod Exit Devices
Concealed Vertical Rod Exit Devices

Listings

UL listed for Panic Exit Hardware.

Electrical Specifications

Requires 782 Controller (120VAC input, output sequencer for one or two devices). No substitutes; using other power sources voids warranty. Requires a 4-wire electrical transfer pivot or hinge. See page 21 for controller information.

Solenoid

A dual retraction/holder type solenoid.

10 Amp in rush @ 24VDC to 28VDC
(.25Amp holding-continuous duty.)

Device bolts remain retracted for as long as the device is energized. Removal of power returns the device to the life safety, self-latching mechanical mode.

Interface with central or local fire alarm system, automatic door operators, access control systems, security alarm systems, and blow open door systems.

Note: This feature is not available with electric dogging (M97) or delayed egress (D) on the same device.

Ordering

Specify quick code M94.

Electric Dogging - M97

This electronic feature will provide continuous dogging when power is applied and the push bar is depressed manually. Interruption or removal of the power will release the pushbar and return the exit device back to normal operation.

Application

SecureBolt® Exit Devices
Rim Exit Devices
Surface Vertical Rod Exit Devices
Concealed Vertical Rod Exit Devices

Listings

UL listed for Panic Exit Hardware.

Electrical Specifications

.35 Amps @ 24VDC-28VDC continuous duty (2) 36 volt holding magnets holding force (86 lbf. total)

Note: This feature is not available with latch pullback (M94), delayed egress (D) or cylinder dogging (M52) on the same device.

Ordering

Specify quick code M97.

Electrified Exit Devices

ED4000

Delayed Egress Exit Device

The delayed egress option provides additional security and safety in a strong line of panic hardware. The delayed egress exit device is an electromechanical device used to secure interior or exterior openings. The option is available for rim, SecureBolt® and concealed vertical rod devices in all standard finishes.

Operation

The exit door is normally closed and latched. The Delayed Egress Exit Device "D" secures the door in the locked mode with the solid Red LED indicating locked mode status. Depressing the push pad for less than 3 seconds will sound the nuisance beep without initiating the alarm. Depressing the pushpad for 3 seconds or longer will initiate an irreversible local audible beeping tone and a visual amber indicator until the device releases. The person depressing the exit bar is denied egress for 15 or 30 seconds and security personnel are alerted. After the delay time of 15 or 30 seconds the device releases, the LED changes to Green, and the alarm changes to a steady tone which continues to alarm until manually reset by key. The remote monitoring contact outputs can be used to alert security personnel.

Note: The 15-second time delay is standard. 30-second time delay is optional (may be accepted by local jurisdiction).

Applications

- For use on hollow metal interior or exterior doors.
- Complies with NFPA 101 "Code For Safety To Life From Buildings And Structures" by National Fire Protection Association.
- BOCA options available to comply with National Building Code requirements. BOCA option is not suitable for installations in accordance with NFPA 101.
- 1-3/4" door thickness standard; 2" and 2-1/4" optional; specify D200 or D214 when ordering.
- Standard 36" device fits 36" doors only. Device cannot be cut less than 36".
- Option W048 fits doors 42" – 48". Devices cannot be cut less than 42".



Listing

- UL/cUL Listed
 - Controlled Exit Panic Devices (FULA/FULA7)
 - Special Locking Arrangements (FWAX/FWAX7)
- BHMA (ANSI A156.3 and ANSI A156.24) Directory of Certified Exit Devices

Specifications

Input Voltage: 24VDC (+/- 10%) Regulated and filtered.

Power Consumption

- Standard Device: 500 mA

Standard Features

Key Switch Operation:

- Normal: The system is armed by applying power to the device (solid Red LED). Depressing the pushpad for more than the nuisance delay time starts the exit delay cycle.
- Bypass: Turning the key switch clockwise to the bypass position allows immediate egress without alarming. The bar functions as a standard exit device. (Red LED flashes slow.)
- Reset/Delay: Used to reset device after the factory set 15 or optional 30-second delay cycle has timed out. If the device is armed, turning the key switch counterclockwise to the reset mode will release the device without alarm for egress and will rearm after 10 seconds. (Red LED flashes quickly.)

Local Visual Status Indicator:

- RED: The exit device is secure and the delayed egress circuitry is energized.
- AMBER: The egress cycle has started, indicated by an irreversible local audible beeping tone.
- GREEN: Exit device is in alarm and has released.

Nuisance Delay Time:

Depressing for less than 3 seconds sounds an audible beep without activating the irreversible alarm sequence. (Immediate alarm can be selected by removing a jumper on the control board.)

Internal Alarm Siren:

When the exit device is armed, depressing the push pad initiates the internal 85db alarm siren.

Remote Control Inputs:

- Remote Reset: Accepts a momentary contact (keyswitch, pushbutton, etc.) to reset the unit during alarm or allows momentary egress (10 seconds) when the unit is armed.
- Remote Bypass: Accepts a momentary contact to put the unit in a maintained bypass operation. The exit device functions as a standard device.

Alarm Outputs:

Two sets of normally open and normally closed contacts. Contacts change only during alarm status. One set of contacts changes when device delay cycle has started (Alarm). One set of contacts changes when device has released (Secure).

Door Sign:

Door sign per code included.

Note: This feature is not available with, M52 Cylinder Dogging, M61 Alarm Option, M92 Touchbar Monitor, M94 Electric Latch Pullback, M97 Electric Dogging

How to Order

Specify "D" suffix after device. Example: ED4200SD

Electrified Exit Devices

ED4000

Options

Bolt Position Monitor M91:

SPDT (Single Pole Double Throw) switch that monitors the position of the latchbolt or vertical rods. To order, specify M91.

Outside Trim Monitor M93:

Used when outside trim is desired to be used with an external door position switch (by others) input. This switch will allow Bypass (disarms device) when the trim is used for ingress. The device requires setting after entry by means of the keyswitch on the device or a remote switch. To order, specify M93.

Note: If an external DPS is not used, standard trim will allow entry without affecting the device in an armed mode. The device will only be affected when the touchbar is depressed.

NFPA 101 Requirements: 30 Second Delay M88

Upon depressing the pushpad for 3 seconds or longer, the device will sound an audible beeping tone and allow the door to be opened after 30 seconds. The tone will then change to a continuous alarm until reset. Resetting of the alarm and re-arming of the device is accomplished by manual means only. To order, specify M88.

Note: Where approved by the authority having jurisdiction, a delay not exceeding 30 seconds shall be permitted.

BOCA Requirements:

BOCA 15 Second Delay M89

BOCA 30 Second Delay M90

Upon depressing the pushpad for 1 second or longer, the device will sound an audible beeping tone and allow the door to be opened within 15 (or 30) seconds. The tone will then change to a continuous alarm until rest. Resetting of the alarm and re-arming of the device occurs automatically once the door has been returned to the closed position for 30 seconds. The 30-second re-arming timer will re-start if the pushpad is depressed or the door is re-opened before actual re-arming of the device occurs. A DPS (Door Position Switch) is required for the BOCA option. To order, specify M89 (BOCA 15 second) or M90 (BOCA 30 second).

Note: BOCA option is not suitable for installations in accordance with NFPA 101.

Required Accessories

Power Supply:

A regulated and filtered power supply with a Fire Alarm interface is required.

1 Amp minimum @ 24VDC per device.

Special options will require more amperage. Consult factory.

To order, specify:

- BPS-24-1 (1 AMP)
- BPS-24-2 (2 AMP)
- BPS-24-4 (4 AMP)

Power Transfer:

Allows the power to make the transition from frame to door without pinching or removal of insulation. Optional power transfer: EPTL – concealed transfer for up to and over 120° swing doors. To order specify Part No. 704F28. Consult catalog for additional recommended power supplies and accessories.



EPTL
Power
Transfer

EPT
Doors up
to 120°
swing.

Trims

See Trims and Functions, pages 14-15.

Cylinders

Utilizes a 1-1/8" mortise cylinder with an A02 cam. Cylinder not included unless specified. See Quick Codes, page 32.

Warranty

Exit devices carry a five-year limited warranty. Electronic components carry a two-year limited warranty. Trim carries a one-year limited warranty.

Electrified Exit Devices

ED4000

M61 Option and ED40AK Alarm Kit



Activation

Alarm is armed by turning key clockwise. Low audible chirp indicates alarm has been activated. 20-second delay allows egress before alarm is set (selectable, 7, 10, 15 and 20) Alarm will sound when the exit device pushpad is depressed.

Continuous Alarm Mode

Alarm sounds continuously when the exit device pushpad is depressed. Alarm must be manually reset by keyswitch. Dip switch setting allows auto reset from 2, 5 or 10 minutes. LED flashes after device has reset.

Low Battery Warning

Audible chirp every 30 seconds.

Warning Decal

"EMERGENCY EXIT-ALARM WILL SOUND" provided.

REX and Passage Delay

A 7, 10, 15 or 20-second delay (after arming) permits egress (by turning key clockwise).

Alarm Shunt

Shunt alarm input for devices with signal, outside trim monitors (M91 & M93) or card access.

Power Requirements

One 9-volt battery (included).

Alarm Strength

105db @ 10 feet.

Arm/Disarm

Requires one 1-1/8" mortise cylinder with an A02 cam. Clockwise turn arms the alarm, counterclockwise turn disarms or silences the alarm. Low audible chirp indicates alarm has been activated.

Device Status

A Red LED indicator will illuminate every 30 seconds when the alarm is armed. DIP switch allows LED to be changed to green if desired.

Tamper Resistant

Built-in safety monitor sounds alarm when tampering occurs.

Cylinders

Cylinder not included unless specified. See How to Order, page 32.

Door Width

Available for 36"-48" devices only. Not available with devices less than 36".

Quick Code

M61

Kit

Available in kit form for field retrofit. Order ED40AK.

Hard Wired Option

A hard wired option is available by using a 9VDC output power supply and a remote power harness. Specify 784 to order the 9VDC output power supply. See page 42 for 784 power supply information. Specify 709F989 to order the remote power harness for a 36" device and specify 709F999 to order the remote power harness for a 48" device.

Exceptions

Dogging not available with M61 option and ED40AK alarm kit. The ED40AK for the ED4000 series exit devices cannot be retrofitted in the field to ED4400 series surface vertical rod exit devices.

The alarm option is available for the surface vertical rod devices by factory order only. To order, add the quick code suffix M61 to the device number; for example, ED4400 x M61.

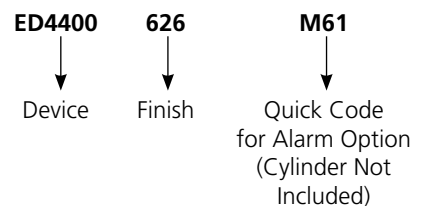
Please note, in accordance with Corbin Russwin's standard limited warranty, any attempt to retrofit the ED40AK to a surface vertical rod exit device will void the warranties for these products.

Surface vertical rod exit devices with M61 alarm option cannot be ordered with M91, M92 or M93 monitors.

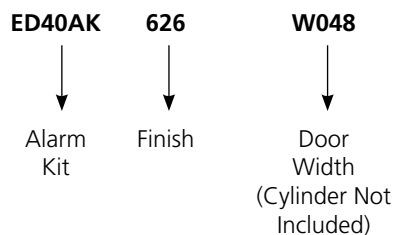
M61 alarm option is not available with delayed egress (D).

How to Order

Ordering example for Exit Device



Ordering Example for Alarm Kit Only



Electrified Exit Devices

ED4000

782 Series Controller

Operation

Designed to control one or two electric latch pullback M94 exit devices. Equipped with two 20-second timers which can operate the exit devices together or independently. Requires a momentary or timed, dry contact input and can be interfaced with access control systems, automatic door operators, "blow open" applications and has provisions for Fire Alarm systems.

Features

- 2 control inputs. Accepts normally closed dry contacts for device activation from a keyswitch, pushbutton, access control or fire alarm system.
- 2 normally open control outputs for automatic door operators
- 2 M94 device outputs
- Fire Alarm Interface input
- 24VDC output for audible or LEADS .25 Amp

Wiring

Up to 40 feet: 16 AWG wire

Up to 60 feet: 14 AWG wire

Up to 100 feet: 12 AWG wire

Electrical Specifications

- 120VAC 60Hz 750mA (Max)
- 10 Amp inrush

Listings

UL 294

UL Class 2 Outputs

Note: The 782 is the only power source to be used with the M94 option. Using any other power supply will void the warranty and cause possible damage to the exit device.

Ordering

782 Controller

BPS-24-2 Power Supply

Provides 2 Amps of output current at 24VDC and can control a total of 5 Electric Dogging Devices. A separate switching device (key switch or push button) must be used to control the locking device.

Specifications

- 120VAC Input Power
- 24VDC @ 2 Amp Output
- Fire Alarm Interface

BPS-24-4 Power Supply

Provides 4 Amps of output current at 24VDC and can control a total of 10 Electric Dogging Devices. A separate switching device (keyswitch or push button) must be used to control the locking device.

Specifications

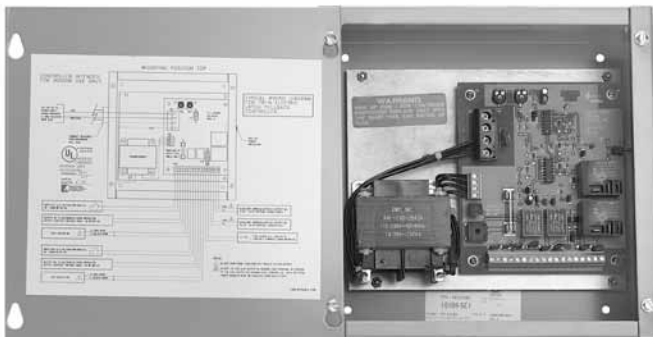
- 120VAC Input Power
- 24VDC @ 4 Amp Output
- Fire Alarm Interface

EPTL

Concealed power transfer for over 120° swing doors. Installs in door and frame edges. Supports wires up to .25" (6mm) thick, and works with doors hung with butt hinges, continuous hinges and pivots. To order, specify Part No. 704F288.



782 Series Controller



Electrified Options & Accessories

ED4000

Monitors - M91, M92, M93

Operation

Monitors are used to indicate the authorized and unauthorized use of an opening or to signal and control other opening hardware, such as magnetic locks. Each monitoring device is equipped with one internal single-pole double-throw (SPDT) switch per monitor.

Bolt Position Monitoring - M91

Provides indication of the position of the deadlatch or vertical rods. Used with security systems to monitor the deadlatch in rim, SecureBolt® devices and rods in CVR & SVR devices.

Application

See chart on page 16.

Listings

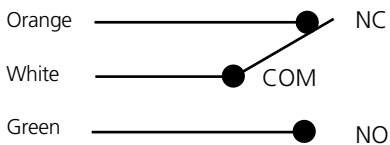
UL listed for Panic Exit Hardware.

Electrical Specifications

5 Amps @ 28VDC SPDT contacts.

Ordering

Specify quick code M91.



Touchbar Monitoring - M92

Provides indication of the pushpad being depressed. Used as a request to exit to shunt alarm systems, release electromagnetic locks or monitor egress.

Application

See chart on page 16.

Listings

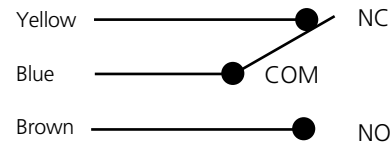
UL listed for Panic Exit Hardware.

Electrical Specifications

4 Amps @ 250 VAC SPDT contacts.

Ordering

Specify quick code M92.



Outside Monitoring or Signaling - M93

Provides indication of the device being operated from the outside. Used as a request to enter signal switch to shunt alarms; also used to monitor entry.

Application

See chart on page 16.

Listings

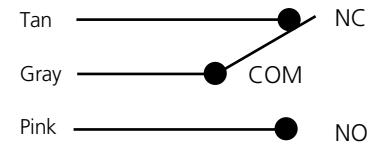
UL listed for Panic Exit Hardware.

Electrical Specifications

5 Amps @ 28VDC SPDT contacts.

Ordering

Specify quick code M93.



Electrified Options & Accessories

ED4000

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 SAF, SEC, M97, 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

Note: Batteries are not included with the BPS power supply.

784 Power Supply

Features

- Provides a filtered and regulated 9 VDC remote power
- Requires raceway through the door*
- Optional 12 VDC gel cell battery. Provides continuous operation of in the event of a power failure. To order, specify 793F089.

Includes:

- Plug-In Wall Transformer with approximately 12' (3.6m) of shielded wire that provides input power to the power supply
- Includes 12' (3.6m) of shielded wire for connection between power transfer and power supply
- To order separately, specify 793F039

*Recommended for new opening. Retrofit application may require surface mounted wire mold and transfer loop by others.

Model	Enclosure	Input	Output
BPS-24-1	12" (304mm) x 9" (229mm) x 4" (102mm)	115VAC, 50/60 Hz.	1.0 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	115VAC, 50/60 Hz.	2.0 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	115VAC, 50/60 Hz.	4.0 Amp @ 24 VDC
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



BPS Power Supply



784 Power Supply

Exit Controls and Switches

Key Switches



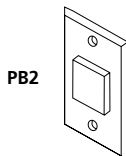
MKA

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.

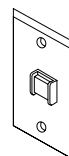
Specifications

- 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



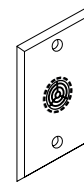
PB3

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

Audible/Visual Annunciators



PZ1

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

Digital Entry

DK-12 - Digital Keypad - 4 User
 DK-26SS - Digital Keypad NS - 59 User - SS Finish
 DK-26BK - Digital Keypad NS - 59 User - Black Finish

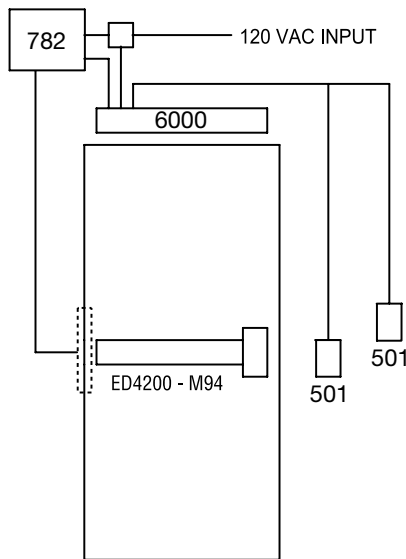
Power Transfers

TSB B-C - Door Cord

Electrified Applications

ED4000

Latch Pullback - M94 Option



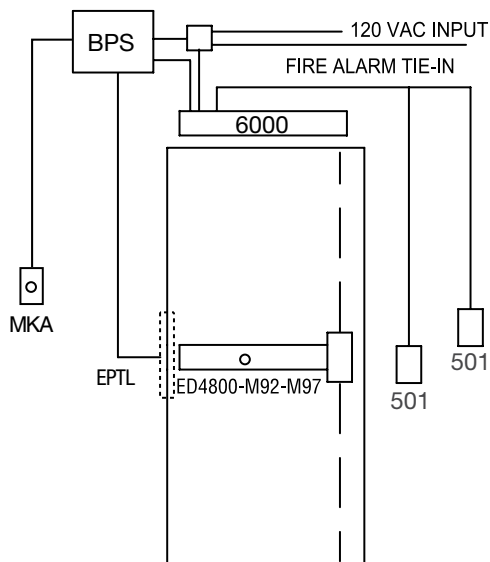
Components

ED4200 x M94 Latch Pullback Exit Device - Corbin Russwin
782 Controller - Corbin Russwin
6000 Operator - Norton
501 Push Pad - Norton
Power Transfer Hinge

Operation

Operation of Push Pads from either side of door will activate the 782 Controller for the Latch Pullback Exit Device. An internal timer on the 6000 will also provide length of time door is open and latch being retracted. Door operator also acts like standard closer when opened manually.

Electric Dogging & Touchbar Monitoring Switch - M97 & M92



Components

ED4800 x M92 x M97 with Cyl. + Bar Monitor & Electric Dogging - Corbin Russwin
6000 Operator - Norton
501 Push Pad - Norton
Power Transfer Hinge
BPS Power Supply - Corbin Russwin
Key Switch - Corbin Russwin

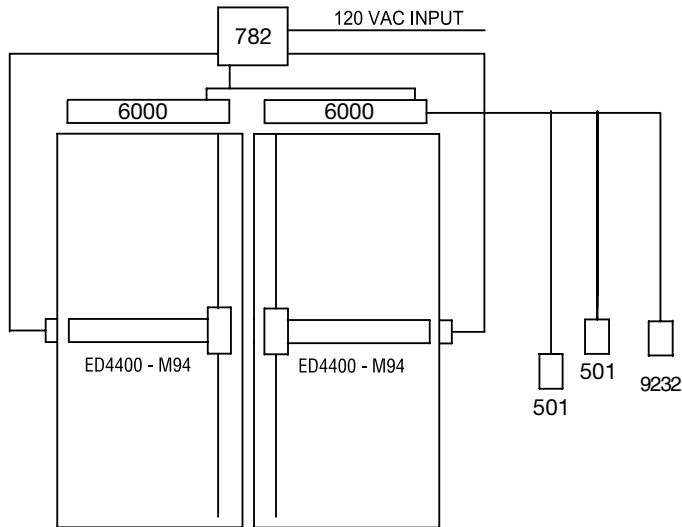
Operation

Operation of Electric Dogging combined with the Door Monitor Switch will enable Push Pads for operation of the 6000. A maintained keyswitch will control the activation of the electric dogging which is powered by the Power supply. A Fire Alarm Tie-In, if required, will release the dogging and let the operator work in manual mode when activated. (NOTE: Electric Dogging is not automatic like Latch Pullback. It requires the bar to be pushed in manually the first time after applying power.)

Electrified Applications

ED4000

Latch Pullback - M94 Option with Norton® 6000 Door Operator



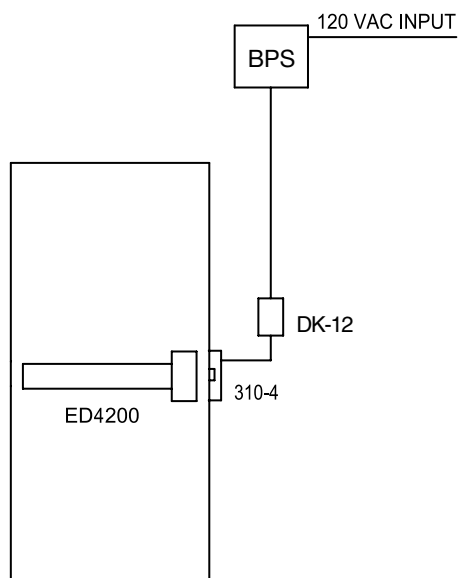
Components

ED4400 x M94 Latch Pullback Exit Device – Corbin Russwin
782 Controller – Corbin Russwin
6000 Operator – Norton
501 Push Pad – Norton
Power Transfer Hinge
Keyswitch – Corbin Russwin

Operation

Activation and operation of Push Pads from either side of door will be controlled by the FAMKA Maintained Keyswitch. The Push Pads will in turn activate the 782 Controller for the Latch Pullback Exit Device. An internal timer on the 6000 will coordinate and prevent the door from being opened before latch retraction takes place. Standard timers on the 6000 will also provide length of time door is open and latch being retracted. Door operator also acts like standard closer when opened manually.

Rim Device with Electric Strike



Components

ED4200 Exit Device – Corbin Russwin
DK-12 – Digital Keypad
310-4 Electric Strike – Folger Adam®
BPS Power Supply – Corbin Russwin

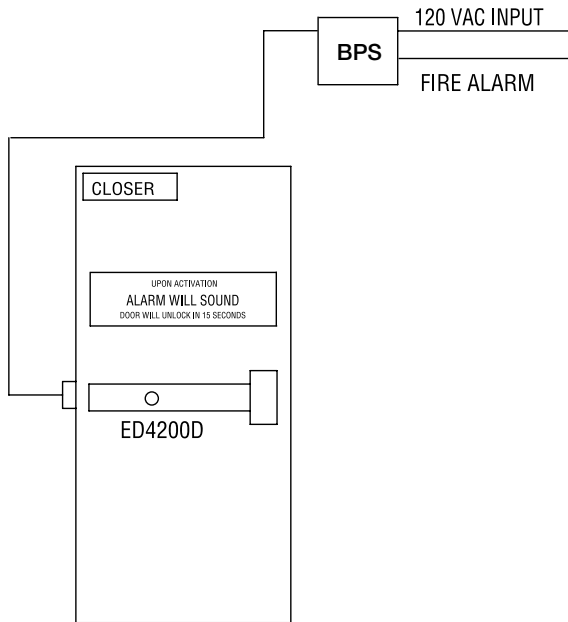
Operation

Operation of DK-12 Digital Keypad will allow keyless entry from the non-protected side of opening. Free exit using the exit device from the protected side of the door.

Electrified Applications

ED4000

Rim Exit Device with Delayed Egress Option on "Exit Only" Door



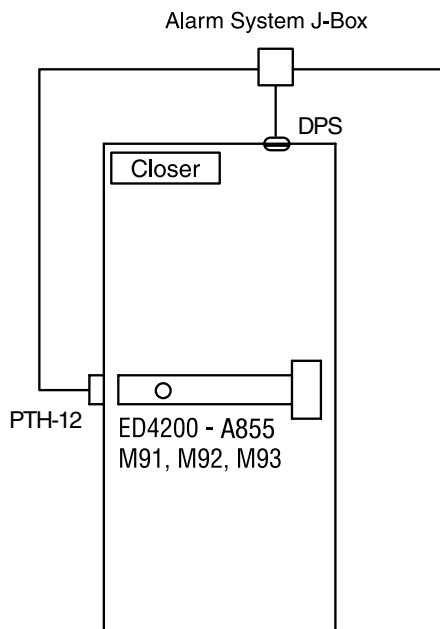
Components

ED4200D Delayed Egress Exit Device – Corbin Russwin
Power Transfer Hinge
BPS Power Supply – Corbin Russwin
Surface Door Closer – Corbin Russwin

Operation

Operation of the ED4200D Exit Device will sound an alarm and activate either a 15- or 30-second alarm sequence inside of the exit device. After this time period, the device will release the pushbar, making it active, and egress is possible. When the fire alarm is activated, power to the exit device will be interrupted, allowing free egress and mechanical latching. Authorized alarm bypass and reset is done through the built-in keyswitch located in the exit device.

Rim Exit Device - High Security Application M91, M92 and M93 Monitoring Switch Options With FAMSS-1C Door Position Switch



Components

ED4200 - A855 Nightlatch Trim – Corbin Russwin
M91 Bolt Monitor Switch
M92 Touchbar Monitor Switch
M93 Trim Monitor Switch

Door Position Switch
Power Transfer Hinge
Surface Door Closer – Corbin Russwin

Operation

Operation of the ED4200 Exit Device with the M91, M92, M93 and a door position switch can be used together or individually to sound an alarm, shunt an alarm, monitor the door's security or as a "Request to Exit" in conjunction with a magnetic lock.

Mullions

ED4000

808 Mullion

Used to install two Rim Exit Devices in a double door opening. May be quickly and easily removed when a full double door opening is temporarily required.

Materials and Finish

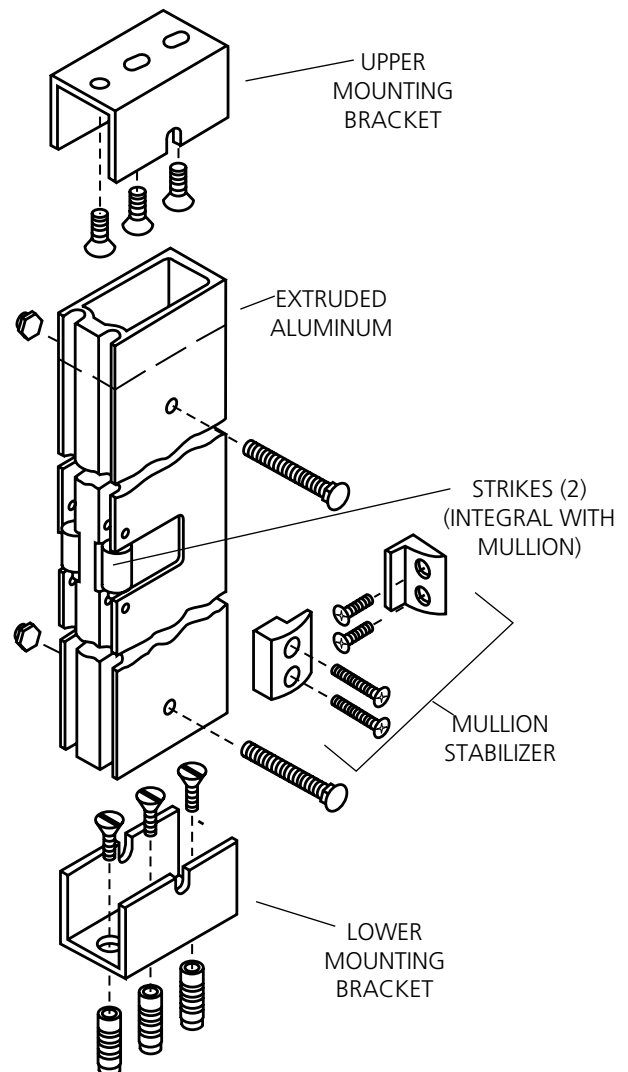
Extruded aluminum mullion, 1-1/4" x 3-1/2" x 8'2" (for 8'0" doors), supplied with two integral strikes, top and bottom mounting brackets, two sets of mullion stabilizers, and zinc-plated fasteners for metal frames and concrete floors. May be cut, drilled and tapped in the field for Rim Exit Devices. Available in 628 and 695 finishes.

Ordering

To order, specify Part No. 808 x Finish.

Mullion Stabilizer Kit

Controls the movement of the mullion. Recommended for openings over 7' high or whenever door movement must be minimized. Available in 628 and 695 finishes. Two sets supplied standard with all 808 mullions. To order separately, specify Part No. 653F11-1 x Finish.



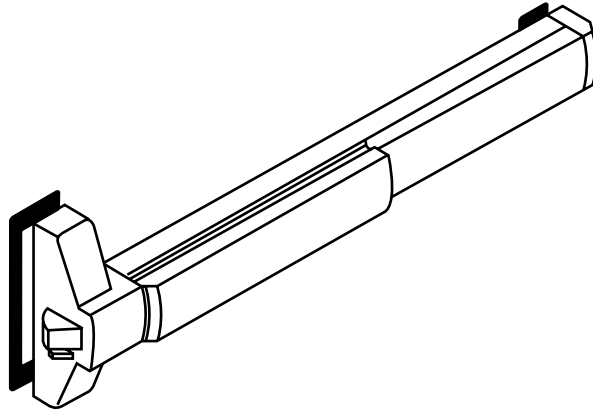
Options and Accessories

ED4000

Shim Kits

Designed for mounting an exit device over raised vision light molding. Each kit contains two sets of 1/8" thick shims to shim a device 1/8" (3mm) or 1/4" (6mm). Black finish. To order with exit device, specify M58. To order separately, specify Part No.

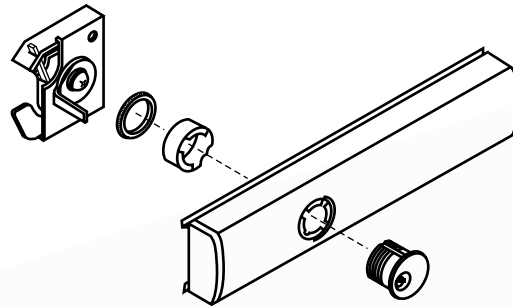
Exit Device Type	Shim Kit Part No.
ED4200, ED4200S, ED4800	697F35-8
ED4400	697F36-8



Cylinder Dogging Kits

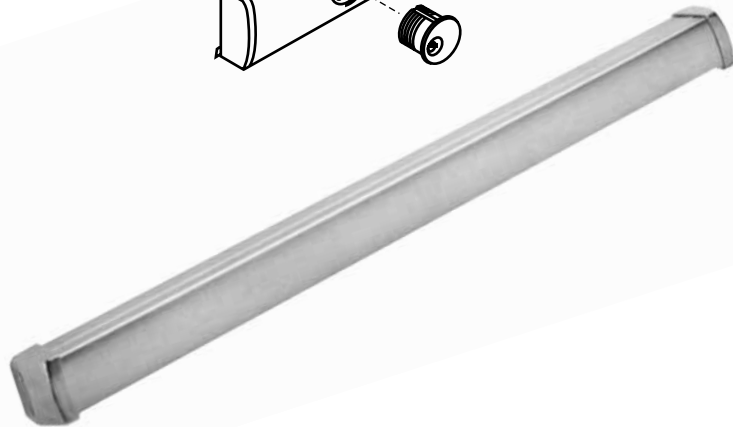
Designed to convert a panic device from hex key dogging to cylinder dogging. To order cylinder dogging kit, specify Part No. x Finish below. Cylinder not included.

Bar Length	Cylinder Dogging Kit Part No.
36" (914mm)	653F13 x Finish
48" (1219mm)	653F14 x Finish



ED5000DB Inactive Bar

Non-operating dummy pushbar available for doors up to 48" wide. May be field cut for narrower doors. To order, specify ED5000DB x Finish.



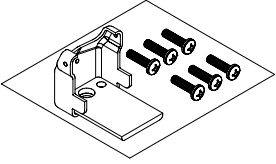
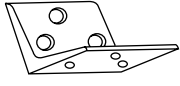
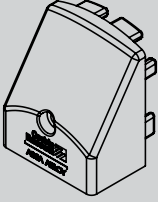
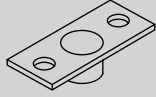
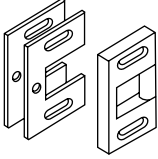
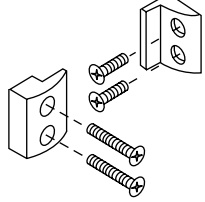
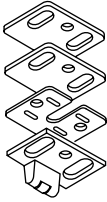




Surface and Concealed Vertical Rod Extension Kits

Used to extend the height of standard length rods supplied with ED4400 and ED4800 Series exit devices. Available in 2", 6" and 12" sizes. To order with exit device, see How to Order, page 31. To order separately, specify Part No. x Finish.

Rod Extension	Rod Extension Kit Part No.
2" (50mm)	653F13 x Finish
6" (152mm)	653F14 x Finish
12" (305mm)	655F17 x Finish

Options and Accessories

ED4000

<p>Rim Strike (Screws Included)</p> 	<p>End Cap Reinforcement** A solid steel plate, welded to the end bracket, evenly distributes impact forces over a larger surface area, eliminating point loading. To order with an exit device, specify M109. To order separately specify 705F09 x finish.</p>		<p>Flush Transom Top Strike Bracket Optional for use with ED4400 devices. Used to mount top strike on openings with flush transom. 2-1/2" x 1-5/8" (64mm x 41mm). Black finish only. To order with exit device, specify M67. To order separately, specify 650F87-8.</p>
	<p>Flush End Cap Durable heavy-duty cast steel or stainless steel, sits flush on the exit device rail and has a low profile which eliminates catch points. To order with a device, specify M110. To order separately specify 710F00M x finish.</p>		<p>Bottom Strike for 1/2" Thresholds Optional for use with ED4400 and ED4800 devices. Required for 1/2" (13mm) threshold or for flush mount. 2-5/8" x 1-1/16" (67mm x 27mm). Black finish only. To order with exit device, specify S09. To order separately, specify 650F88-8.</p>
	<p>Rim Strike Standard on ED4200 and ED4200S devices, Supplied with two 1/16" (2mm) shims. For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door. 3" x 2" (76mm x 51mm). Black finish only. To order separately, specify 650F31-8.</p>		<p>Mullion Stabilizer Kit Controls the movement of the mullion. Two sets supplied standard with all 808 mullions. Available in 628 and 695 finishes. To order separately, specify Part No. 653F11-1 x Finish.</p>
<p>Surface and Concealed Vertical Rod Strikes (Screws Included)</p>		<p>Filler Plates</p>	
	<p>Top Strike Standard on ED4400 and ED4800 devices. Supplied with two 1/16" (2mm) shims and one 1/16" (2mm) locking plate. Adjustable to compensate for shrinkage and swelling of door. 1-9/16" x 15/16" (40mm x 24mm). Black finish only. To order separately, specify 650F548.</p>		<p>Optional for use on stock metal doors when required. To order, specify Part No. x Finish. Front: 334F99-8 600</p>
	<p>Bottom Strike Standard on ED4400 and ED4800 devices. 1-1/16" (27mm) diameter x 1/16" (2mm) lip x 11/16" (17mm) high. Black finish only. Both top and bottom strikes are included in the vertical rod parts packet. To order parts packet, specify 650F57-8.</p>		<p>Optional for use on stock metal doors when required. To order, specify Part No. x Finish. Strike: 236L708018 x Fin</p>
			<p>Optional for use on stock metal doors when required. To order, specify Part No. x Finish. Front: 077F19-8 600</p>

Photoluminescent Touchpad Cover

The PathLite™ patent pending technology offers a number of benefits:

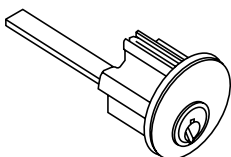
- Requires no wiring or maintenance
- Recharges with exposure to ambient light
- Unaffected by heat or cold
- Non-toxic, will not rub or fade
- Vandal resistant

**Note: Six 1/4 x 20 screws come standard with either M109 option or 705F09 kit. Only two screws required to fasten end cap assembly to door for retrofit. Other four screws are used with SecureBolt® Latch Head if ordered as an M109 option with complete device. When the kit is ordered a new end cap is also supplied.

Cylinders

ED4000

Rim (Trim Only)

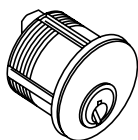


Description	Part Number	Cylinder Ring	Part Number	Cylinder Ring** 57 Function Only
6-pin	3000-058	270F15	3000-200N*	270F15
7-pin	3000-058-7	654F07	3000-200-7	654F07
6-pin, IC	3080-058	654F07	3080-178	654F07
7-pin, IC	3080-058-7	654F08	3080-178-7	654F08
6-pin, IC, less core	3070-058	654F07	3070-178	654F07
7-pin, IC, less core	3070-058-7	654F08	3070-178-7	654F08
6-pin, Security	3010-058	654F07	3010-200	654F07
6-pin, Security IC	3090-058	654F07	3090-178	654F07
7-pin, Pyramid	3020-058	654F07	3020-200	654F07
7-pin, Pyramid IC	3030-058	654F07	3030-178	654F07

*For K157, substitute -200

**K157 uses the 270F15 cylinder ring

Mortise (Cylinder Dogging Only)



Description	Part Number	Cylinder Ring
6-pin	1000-118-A02	N/A
7-pin	1000-114-A02-7	270F15
6-pin, IC	1080-114-A02	270F15
7-pin, IC	1080-112-A02-7	654F07
6-pin, IC, less core	1070-114-A02	270F15
7-pin, IC, less core	1070-112-A02-7	654F07
6-pin, Security	1010-118-A02	270F15
6-pin, Security IC	1090-114-A02	270F15
7-pin, Pyramid	1020-114-A02	270F15
7-pin, Pyramid IC	1030-114-A02	270F15

How to Order

ED4000

Ordering Examples

Exit Device Only

Quantity	Series/ Function	Finish	Hand	Misc. Options
24	ED4200S	626	RHR	M51-M54

Removable Mullion

Quantity	Mullion	Finish
12	808	695

Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Finish	Hand	Door Thickness	Door Width	Door Height	Misc. Options
36	ED4400	N855	605	LHR	D200	W048	H0706	M51-M54

Trim Only

Quantity	Trim/ Function	Finish	Hand	Door Thickness	Cylinder Option
24	N855	625	RHR	D214	6P

Contract/Detailed Order – Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/ Function	Finish	Hand	Door Height	Optional Strike	Door Width	Misc. Options	Cylinder Option
36	AA1	ED4400	C855	626	LHR	H0800	S09	W048	M52-M54	7P

Where to find ordering information and Quick Codes

Trims and Functions	Page 14
Removable Mullion	Page 27
Handing	Page 32
Door Thickness	Page 32
Strike	Page 32
Door Width	Page 32
Door Height	Page 32
Miscellaneous Options	Page 32
Cylinder and Keying	Page 32



Quick Codes

ED4000

Cylinder and Keying

Description	Specify
Less cylinder(s)	(standard)
Conventional 6-pin	6P
Conventional 7-pin	7P
Security	HS
Security interchangeable core (IC)	CHS
IC 6-pin	C6
IC 6-pin with temporary construction core (Red)	CT6R
IC 6-pin with temporary construction core (Blue)	CT6B
IC 6-pin with temporary construction core (Green)	CT6G
IC 6-pin with temporary construction core	CT6
IC 6-Pin with temporary disposable core	CT6D
IC 6-pin less core	CL6
SFIC 6-pin with less core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin (rim only)	C7
IC 7-pin with temporary construction core (Red)	CT7R
IC 7-pin with temporary construction core (Blue)	CT7B
IC 7-pin with temporary construction core (Green)	CT7G
IC 7-pin with temporary construction core	CT7
IC 7-Pin with temporary disposable core	CT7D
IC 7-pin less core (rim only)	CL7
SFIC 7-pin with less core	CLS7
SFIC 7-pin with SFIC disposable temporary core ₃	CT7SD
Pyramid Security fixed core	PS
Pyramid Security IC	PCS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid with temporary construction core	CTP
Pyramid less core	CLP
Blockout function	BO
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK

Finish

Description	Specify
US3 Bright Brass	605
US4 Satin Brass	606
US9 Bright Bronze	611
US10 Satin Bronze	612
US10B Dark Oxidized Satin Bronze, oil rubbed	613
US14 Bright Nickel Plated	618
US15 Satin Nickel Plated	619
US26 Bright Chromium Plated	625
US26D Satin Chromium Plated	626
Satin Chromium Plated with MicroShield® 	626C
US32 Bright Stainless Steel	629
US32D Stain Stainless Steel	630
Stain Stainless Steel with MicroShield® 	630C
Satin Aluminum, Clear Anodized (mullions only)	628
Dark Bronze Coated (mullions only)	695
— Black oxidized bronze, oil rubbed	722

Door Height

Door Height	Specify
ED4400 devices	
7'0"	(standard)
7'2"	H0702
7'6"	H0706
8'0"	H0800
9'0"	H0900
10'0"	H1000
ED4800 devices	
8'0"	(standard)
8'2"	H0802
8'6"	H0806
9'0"	H0900
10'0"	H1000

Quick Codes

ED4000

Door Width

Door Width	Specify
24" (610mm)	W024
36" (914mm)	(standard)
48" (1219mm)	W048

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Door Thickness

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

Strike

Description	Specify
Surface and concealed vertical rod Bottom strike for 1/2" thresholds	S09

Removable Mullion

Door Height	Specify
Up to 8'0" (ED4200 & ED4200S)	808

Miscellaneous Options

Description	Specify
Torx® head screws	M04
Knurling outside and inside (embossed touchbar - device side)	M20
Knurling outside only (trim side)	M21
Knurling inside only (embossed touchbar - device side)	M22
Abrasive coat outside and inside (trim and device)	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)	M25
24", 36" and 48" PathLite™ Photoluminescent Touchbar Cover	M49
Less dogging	M51
Cylinder dogging	M52
Sex nuts and bolts (SNBs)	M54
Shim kit (for vision light)	M58
Flush transom top strike bracket (ED5400 and ED5400A only)	M67
High Impact End Clamp	M109
Flush End Cap	M110

Electrical Options

Description	Specify
Alarm Option	M61
Bolt Position Monitor	M91
Touchbar Monitor	M92
Trim Monitor	M93
Latch Pullback	M94
Electric Dogging	M97
Delayed Egress	D

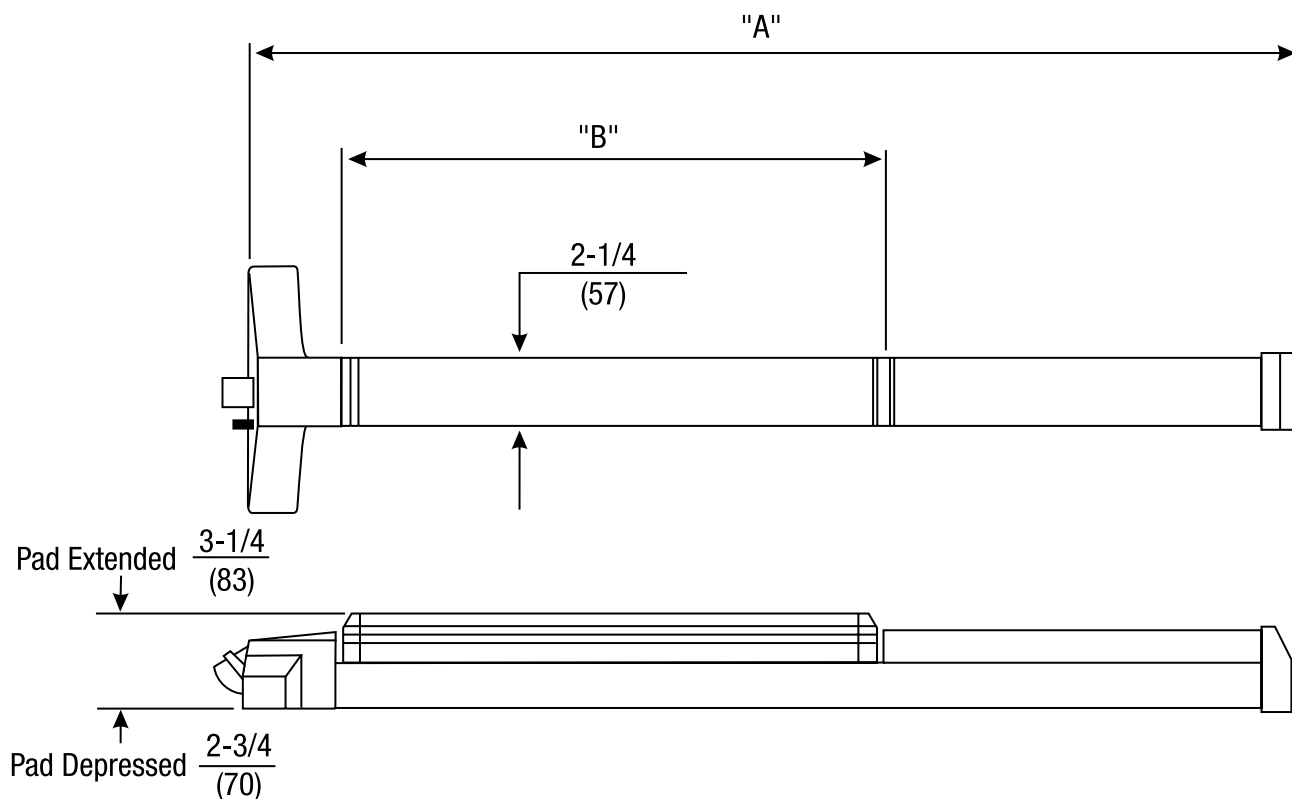
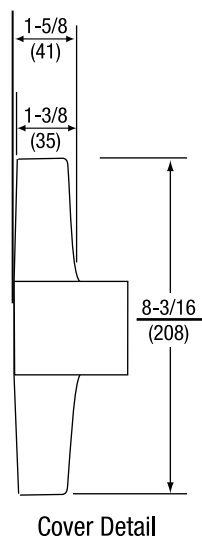
Facts and Figures

ED4000

ED4000 Series (all variables)

Series	"A"	"B"
ED4000	34-5/8" (880mm)	18" (457mm)
ED4000 x W024	22-5/8" (575mm)	12" (305mm)
ED4000 x W048	46-5/8" (1184mm)	24" (610mm)

Dimensions are shown in: **inches**
mm



Abrasive Coat

Hard granular material applied to provide a non-slip tactile surface for the visually impaired.

Active Door

In a pair of doors, the door that is operable from the trim side.

Astragal

A vertical member applied to one or both sides of a pair of doors at the meeting edges. The astragal closes the gap between the two doors.

Coordinator

A device used on a pair of doors to ensure that the inactive door closes before the active door.

Deadlocking Latch

A supplemental latch that automatically deadlocks the latchbolt when pressure is applied to it.

Dogging

A mechanism that allows the latchbolt to remain retracted, permitting the door to operate as if it were a push-pull; it cannot be used on fire-rated exit devices.

Double Egress

A pair of doors of the same hand that swing in opposite directions, commonly found in corridors.

Dummy Trim

Trim only. Usually used on the inactive door of a pair of doors for design balance.

Exit Device (Panic Hardware)

A door locking device with a pushbar or crossbar which, when pressed, allows instant exit (egress).

Fire Exit Hardware

An exit device listed by an independent testing laboratory as meeting panic, fire and hose stream test standards; used on fire-rated openings.

Hand

The direction a door swings.

Inactive Door

In a pair of doors, the door that is inoperable from the trim side.

Latchbolt

A lock component that has a beveled end and projects into a strike, holding the door in a closed position.

Mullion

A fixed or removable vertical member that divides a door opening and provides a latch surface for a pair of rim exit devices.

Open Back Strike

For mortise exit devices, used on the inactive door (usually the vertical rod door) of a pair of doors that swing in the same direction. It permits the inactive door to open or close independently.

Reversible

Pertains to a product that may be changed in the field to accommodate any hand of the door.

Shim Kit

Pieces of metal that permit mounting of an exit device on a door that has a surface projecting vision light (glass bead) molding.

Split Astragal

An astragal that is split through the middle on a pair of doors, allowing both doors to operate independently.

Threshold

A strip fastened to the floor beneath a door. It serves as a stop, prevents heat loss, and provides a strike location for latching the bottom rod of a vertical rod exit device.

Trim

A knob, lever, pull, or thumbpiece used on the outside of an exit device door to control access to an area.

Universal Exit Device

An exit device that may be used on doors of either hand without any modifications.

Keying and Cylinder Terms

Blockout Cylinder

A cylinder which allows all keys to be temporarily blocked from operating. It is set by a blockout key.

Concealed Key Control (CKC)

The marking of standard key symbols on a cylinder in a location that is not visible once the cylinder is installed.

Construction Master Keying (CMK)

A cylinder preparation that allows temporary access by construction personnel.

Control key

A key used to remove and install interchangeable cores.

Cylinder

A lock component containing the combination that determines which keys will operate.

Security Cylinder

A cylinder which provides extra resistance to picking and unauthorized duplication of keys.

Interchangeable Core (IC)

A cylinder which can be removed and installed quickly with a control key by non-skilled personnel when rekeying is required.

Key Symbol

A letter/number combination in standard industry format (e.g., 1AA, AA1, etc.) which indicates exactly how a key or cylinder fits into a keying system.

Keyway

The opening in a cylinder plug through which the key enters.

Master Keying

Preparation of a cylinder to operate with keys of different levels of access.

Visual Key Control (VKC)

The marking of standard key symbols on keys and on the visible portion of the front of a cylinder.

Suggested Specification

ED4000

Suggested Specification

Exit devices shall be ED4000 Series Narrow Stile Pushpad Exit Devices.

The exit device chassis shall be cold forged steel, electroplated for corrosion resistance, and shall be architecturally finished brass, bronze or stainless steel. The pushpad mechanism shall be constructed of extruded aluminum and shall be scalped with architecturally finished brass, bronze or stainless steel. The maximum projection shall be 3-1/4" when the pushpad is active and 2-3/4" when the pushpad is dogged down. Nylon bearings and stainless steel springs shall be used for long life and durability; only torsion springs are acceptable. Rear and active case covers shall be wrought brass or bronze and shall be plated to match the exit bar. Plastic or painted covers are not acceptable. Latchbolts shall be steel and shall incorporate a deadlocking latch feature for increased security. Devices without deadlocking latches are not acceptable. Mounting screws shall be concealed to deter tampering. Devices shall be closed on all sides with no pinch points. All exit devices shall be easily field sized to accommodate various door widths.

Exit devices shall have single point, one quarter turn hex key dogging standard. Optional cylinder dogging shall be available. Devices with hex key dogging shall be easily field converted to cylinder dogging. Panic listed devices shall be available less dogging. Trims shall be throughbolted with concealed fasteners. Escutcheon and pull type trims shall be constructed of brass or bronze. All lever trims shall use cast or forged levers. On trims with cylinders, the mechanism that locks and unlocks the trim shall be housed in the trim and not in the active case of the exit device. Lever trims shall match those on Corbin Russwin Mortise and Cylindrical Locksets.

Exit devices and trims shall be furnished in BHMA standard architectural finishes.

Exit devices shall be listed by Underwriters Laboratories (UL) for safety as panic hardware.

Certification:
ANSI/BHMA A156.3, Grade 1

Exit devices, trims and cylinders shall be from one manufacturer.

Trims and electronic components shall carry a two-year limited warranty.

Exit devices shall carry a five-year limited warranty.

Notes

ED4000



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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



MicroShield®

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Corbin
Russwin

ASSA ABLOY

ED5000 Series

Pushpad Exit Devices



ASSA ABLOY, the global leader
in door opening solutions

Overview

ED5000

Table of Contents

Overview	2
Product Series Features	3
Applications and Listings.....	4
SecureBolt® Features.....	6
Rim Features.....	8
Surface Vertical	
Rod Features.....	10
Concealed Vertical	
Rod Features	14
Rim/SecureBolt/SVR & CVR	
Functions.....	18
Trims and Functions.....	20
Mortise Features	26
Mortise Functions	28
Mortise Trims and	
Functions.....	30
Electrified Exit Devices.....	36
Mullions and	
Surface Bolt Kit.....	48
Options and Accessories ...	49
Facts and Figures	52
Cylinders.....	53
Quick Codes	55
How to Order	58
Helpful Terms	61
How to Specify	62

Applications

Corbin Russwin's history is rich with architectural hardware designed to meet life safety and security requirements. That tradition continues with ED5000 Series exit devices. Designed to allow safe and easy egress, the ED5000 is ideal for frequent use applications such as schools, factories, hotels, theaters, office, retail complexes and government buildings.

Quality

All exit devices manufactured by Corbin Russwin undergo rigorous testing, both in the lab and field. Testing procedures go beyond industry standards; the ED5800 concealed vertical rod exit device was witnessed and certified to 3.25 million successful cycles, more than 6 times the requirement. Abuse and cycle tests prove time and again the durability of the entire ED5000 series, which is backed by a 5-year warranty.

Aesthetics

Over the past 100 years, Corbin Russwin has been well-known for weaving pleasing aesthetics and inventive designs into architectural door hardware, and today's wide stile exit device line is no exception. The ED5000 Series offers smooth lines in the exit device bar and a full range of trim designs with visual diversity, including the Muséo® and Vineyard™ Collections.

Vandal Resistance

Today's door hardware must fulfill life-safety and security needs, two areas in which ED5000 series exit devices and trim excel. The ED5200S SecureBolt® features a deadbolt style latchbolt that significantly resists pull from the exterior, thus reducing door and frame separation, preventing the door from being forced open. 900 series heavy-duty trim deters vandals with a thick 13/16" beveled escutcheon, Free Wheeling lever (excluding mortise trim), and flush cylinder. High security Pyramid cylinders offer an additional barrier against picking and drilling. These components can all be combined for high quality, high security applications.

Electronics

If electronic access control is required, or just a simple monitoring switch, the ED5000 series offers a full range of electrified options, including a delayed egress exit device and electrically controlled trim. All options can be tied into existing security and fire alarm systems for easy monitoring.

Product Series Features

ED5000

As Corbin Russwin continues to offer the latest technology and architectural hardware, an additional option is also presented to architects, distributors, and end-users. The power of choice. With a wide variety of devices, trims, lever designs, and electrified hardware, a locking system can be designed for any building and any application. Below are some highlights of the ED5000 Series. These are but a few of the options that can be combined to meet the aesthetic and security requirements of today.



SecureBolt® Delayed Egress Exit Device

SECUREBOLT®

SecureBolt®

- Deadbolt-style latch design provides increased security by resisting unauthorized entrance from credit cards, crowbars, door rattling, etc.
- Is more resistant to vector forces, which results in less force against the frame, thus eliminating door/frame separation
- Provides increased stability of openings with mullions

Delayed Egress Exit Device

- Increases security in many applications such as retail stores and health care facilities
- Features an LED indicator and a nuisance delay
- 15 or 30-second delay available
- UL and BHMA listed



PATHLITE™

Photoluminescent Touchpad Cover

The PathLite™ patent pending technology offers a number of benefits:

- Requires no wiring or maintenance
- Recharges with exposure to ambient light
- Unaffected by heat or cold
- Non-toxic, will not rub or fade
- Vandal resistant

- Fire resistant and non-radioactive
- Green contrasting word "EXIT" centered on touchbar in 1-1/4" high lettering
- Cost effective; especially suited for existing buildings

PathLite™ photoluminescent exit devices meet New York City's newly adopted standards for requirement of photoluminescent signage and stairwell markings in all office buildings in excess of 75 feet in height.



Heavy-Duty Trim with Vineyard lever

Vineyard™ collection

Heavy-Duty Trim

- Free Wheeling levers for vandal resistance (excluding mortise trim)
- Heavy-duty threaded posts provide additional strength
- Beveled sides for increased attack resistance
- Flush cylinder when used with 6-pin applications and mortise trim functions



Heavy-Duty Trim with Muséo® lever

MUSÉO®

Muséo® and Vineyard™ Collections

- Available in 605, 606, 611, 612, 613, 618, 619, 625, 626, 722 finishes
- Allows for design continuum when matched with the ML2000 series mortise lock Muséo and Vineyard Collection trims
- Heavy-duty vandal-resistant escutcheon increases security








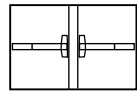
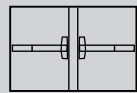
Parabolic Trim with Vineyard™ lever Specify M60

Parabolic Trim with Vineyard™ Lever

- Specify M60

Applications and Listings

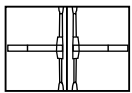
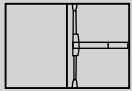
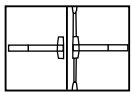
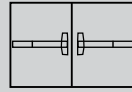
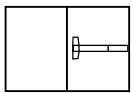
ED5000

Single Door	UL Listing	Maximum Opening (W x H)	Application	
Rim				
ED5200	Panic	4' x *	Surface applied; single-point latching.	
ED5200A	3 Hr.	4' x 8'		
SecureBolt®				
ED5200S	Panic	4' x *	Surface applied; single-point latching.	
ED5200SA	3 Hr.	4' x 8'		
ED5200S x M107	Panic	4' x 8'	Surface applied; single-point latching. Used as components in swinging door windstorm-rated assemblies (refer to local codes).	
ED5200SA x M107	3 Hr.	4' x 8'		
Mortise				
ED5600	Panic	4' x *	Mortised in door; single-point latching.	
ED5600A	1-1/2 Hr.	4' x 9'		
ED5600A	3 Hr.	4' x 8'		
Surface Vertical Rod				
ED5400	Panic	4' x 8'	Surface applied; two-point latching.	
ED5470	Panic	4' x 10'		
ED5470 x M55	Panic	4' x 10'	Surface applied; one-point latching.	
ED5470 x M107	Panic	4' x 8'	Surface applied; two-point latching. Used as components in swinging door windstorm-rated assemblies (refer to local codes).	
Concealed Vertical Rod				
ED5800	Panic	4' x 8'	Rods concealed in door; two-point latching.	
ED5860	Panic	4' x 10'		
ED5860 x M55	Panic	4' x 10'	Rod concealed in door; one point latching.	
Pair of Doors with Removable Mullion				
Rim x Rim				
ED5200 x ED5200 x 900 Series	Panic	8' x 10'	Two independent active doors with removable mullion.	
ED5200A x ED5200A x 900 Series	3 Hr.	8' x 8'		
SecureBolt® x SecureBolt®				
ED5200S x ED5200S x 900 Series	Panic	8' x 10'	Two independent active doors with removable mullion.	
ED5200SA x ED5200SA x 900 Series	3 Hr.	8' x 8'		
ED5200S x ED5200S x M107	Panic	8' x 8'	Two independent active doors with removable mullion. Used as components in swinging door windstorm-rated assemblies (refer to local codes).	
ED5200SA x ED5200SA x M107	3 Hr.	8' x 8'		

*UL does not set a door height limitation on panic applications.

Applications and Listings

ED5000

Pairs of Doors	UL Listing	Maximum Opening (W x H)	Application	
Surface Vertical Rod				
ED5400 x ED5400	Panic	8' x 8'	Two independent doors with two-point latching, swinging in the same direction.	
ED5400A x ED5400A	3 Hr.	8' x 8'		
ED5470 x ED5470	Panic	8' x 10'	Two independent doors with one or two-point latching, swinging in the same direction.	
ED5470B x ED5470B	1-1/2 Hr.	8' x 10'		
ED5470 x ED5470 x M107	Panic	8' x 8'	Two independent doors with two-point latching, swinging in opposite directions. Used as components in swinging door windstorm-rated assemblies (refer to local codes).	
ED5470B x ED5470B x M107	1-1/2 Hr.	8' x 8'		
Surface Vertical Rod (Double Egress)				
ED5400 x ED5400	Panic	8' x 8'	Two independent doors with two-point latching, swinging in opposite directions. Overlapping astragal required for 3-hour openings.	
ED5400A x ED5400A	3 Hr.	8' x 8'		
ED5470 x ED5470	Panic	8' x 10'	Two independent doors with one or two-point latching, swinging in opposite directions. Overlapping astragal not required.	
ED5470B x ED5470B	1-1/2 Hr.	8' x 10'		
Surface Vertical Rod x Mortise				
ED5400 x ED5600	Panic	8' x 8'	Overlapping astragal required for 3-hour openings. Coordinator required with standard ANSI strike.	
ED5400A x ED5600A	3 Hr.	8' x 8'		
ED5400A x ED5600A x Open Back Strike	1-1/2 Hr.	8' x 8'		
ED5470 x ED5600	Panic	8' x 10'	Overlapping astragal required for fire-rated openings. Coordinator required with standard ANSI strike.	
ED5470B x ED5600A	1-1/2 Hr.	8' x 9'		
Concealed Vertical Rod				
ED5800 x ED5600	Panic	8' x 8'	Two independent metal doors with two-point latching, swinging in the same direction.	
ED5800 x ED5800	Panic	8' x 8'		
ED5800A x ED5600A	3 Hr.	8' x 8'		
ED5800A x ED5800A	3 Hr.	8' x 8'		
ED5800A x ED5600A x Open Back Strike	1-1/2 Hr.	8' x 8'	Two independent metal or wood doors with one or two-point latching, swinging in the same direction.	
ED5860 x ED5600	Panic	8' x 10'		
ED5860 x ED5860	Panic	8' x 10'		
ED5860B x ED5600A	1-1/2 Hr.	8' x 10'		
ED5860B x ED5860B	1-1/2 Hr.	8' x 10'		
Concealed Vertical Rod (Double Egress)				
ED5800 x ED5800	Panic	8' x 8'	Two independent metal doors with two-point latching, swinging in opposite directions. Overlapping astragal required for 3-hour openings.	
ED5800A x ED5800A	3 Hr.	8' x 8'		
ED5860 x ED5860	Panic	8' x 10'	Two independent metal or wood doors with one or two-point latching, swinging in opposite directions. Overlapping astragal not required.	
ED5860B x ED5860B	1-1/2 Hr.	8' x 10'		

*UL does not set a door height limitation on panic applications.

SecureBolt® Features

ED5000

- ED5200S** **Panic-Listed SecureBolt® Exit Device**
- ED5200SA** **3-Hour Fire-Listed SecureBolt® Exit Device**
- ED5202S** **Panic-Listed Listed SecureBolt® Double Cylinder Exit Device**
- ED5202SA** **3-Hour Fire-Listed SecureBolt® Double Cylinder Exit Device**

SECUREBOLT®



Features

Handing

Standard device is non-handed.
Double Cylinder Device is handed.
Lever trim is handed.

Bar Length

Easily field cut to size.
Standard: 36" (914mm) bar fits 30" - 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36" -48" (914mm-1219mm) door; specify W048.

Door Thickness

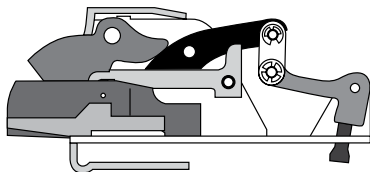
1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile

Minimum width 4-1/2" (114mm).

Latchbolt

Full 3/4" (19mm) projection, 1" (25mm) wide, positive deadlocking by auxiliary bolt.



Cut Away Side View

Materials

Latchbolt: Nickel steel. Slide-action deadbolt with positive deadlocking by auxiliary bolt. Two-piece deadbolt mechanism utilizing a roll back lever which eliminates any contact (friction) with the strike during relocking.

Device: Heavy duty cold forged steel chassis; heavy gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection

3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging

Standard on panic-rated devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging; specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners

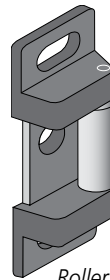
Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.

Optional on devices: sex nuts and bolts for use on wood, composite or unreinforced metal doors; specify M54.

Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike

Surface mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, assuring low friction relocking for a long, trouble-free life.



Roller Strike

Functions and Trims

Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 20-25.

Cylinders

Cylinder not included unless specified. See Quick Codes, page 53.

Removable Mullion

See Mullions, page 48.

Shim Kit

Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings

See page 4.

Warranty

Five-year limited.

Certification/Compliance

ANSI

Meets A156.3, Type 28, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on active case cover indicates 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

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.



NFPA

All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

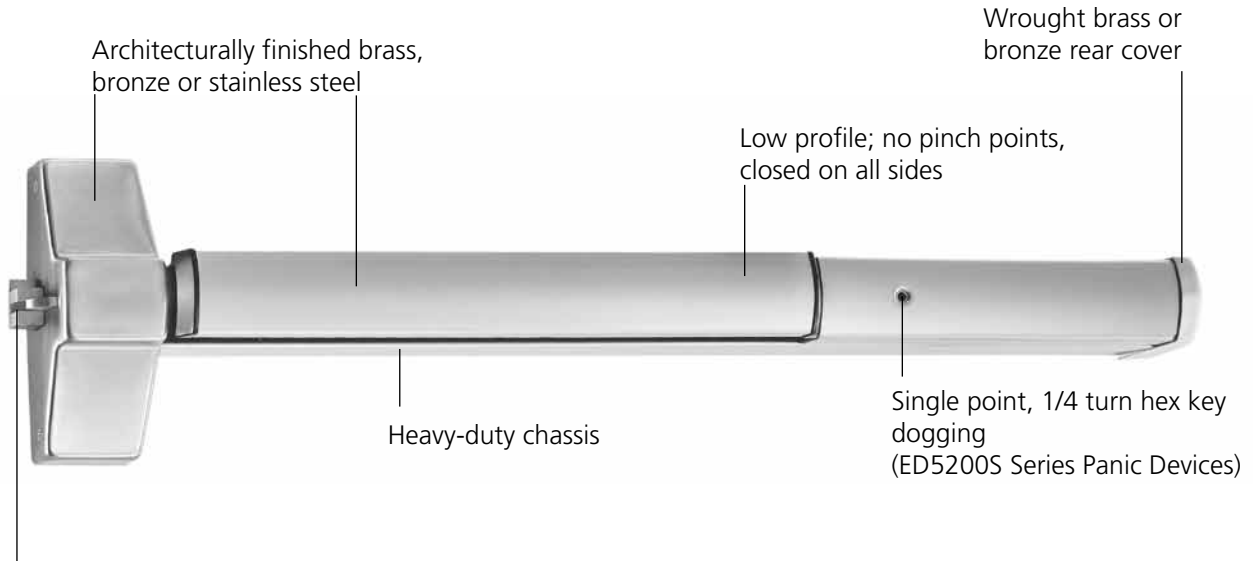
BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield® 
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield® 
BHMA 722	Black oxidized bronze, oil rubbed

SecureBolt® Features

ED5000

ED5200S and ED5200SA SecureBolt® Exit Devices

SECUREBOLT®

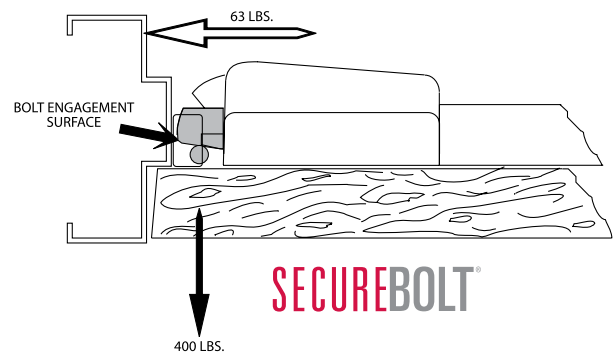
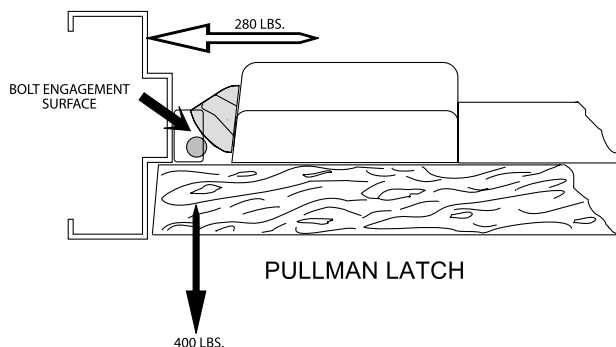


3/4" (19mm) projection x 1" wide deadbolt- style latchbolt with positive deadlocking by auxiliary bolt



In terms of an exit device, vector forces mean that pressure applied to the door results in a force against the stop and the frame, resulting in door/frame separation. The standard pullman latchbolt applies 280 pounds of force against the frame from a 400- pound pull on the door.

The SecureBolt® exit device only applies 63 pounds of force against the frame from a 400-pound pull on the door. Less force means the door and frame do not separate, providing a higher level of security, as the door cannot be pulled open.



Rim Features

ED5000

- ED5200** **Panic-Listed Rim Exit Device**
ED5200A **3-Hour Fire-Listed Rim Exit Device**
ED5202 **Panic-Listed Listed Rim Double Cylinder Exit Device**
ED5202A **3-Hour Fire-Listed Rim Double Cylinder Exit Device**



Features

Handing

Standard device is non-handed.
 Double Cylinder Device is Handed.
 Lever trim is handed.

Bar Length

Easily field cut to size.
 Standard: 36" (914mm) bar fits 30" - 36"
 (762mm-914mm) door.
 Optional: 24" (610mm) bar fits 24" (610mm)
 door; specify W024.
 Optional: 48" (1219mm) bar fits 36" -48"
 (914mm-1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.
 Optional: 2" (51mm); specify D200.
 Optional: 2-1/4" (57mm); specify D214.

Stile

Minimum width 4-1/2" (114mm).

Latchbolt

3/4" (19mm) throw, stainless steel pullman-
 type with stainless steel deadlocking latch.

Materials

Heavy-duty cold-forged steel chassis; heavy-
 gauge steel mechanisms, electroplated
 for corrosion resistance; finished parts are
 brass, bronze or stainless steel; stainless steel
 springs; nylon bearings.

Projection

3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging

Standard on panic devices; single-point 1/4
 turn hex key dogging.
 Optional: less dogging, specify M51.
 Optional: cylinder dogging; specify M52.
 Optional: electric dogging; specify M97.
 Mechanical dogging not available on fire-
 rated devices.

Fasteners

Standard on panic devices: machine screws
 and wood door fasteners. Standard on fire-
 rated devices: sex nuts and bolts. Optional
 on panic devices: sex nuts and bolts for use
 on wood, composite, or unreinforced metal
 doors; specify M54. Optional wood screws for
 use on approved fire-rated solid wood or wood
 core doors. Specify M64.

Strike

Surface-mounted 3/8" (10mm) diameter roller
 strike, complete with positive locking plate and
 shims, assuring low friction relocking for a long,
 trouble-free life.

Functions and Trims

Through-bolted lever, knob, pull and
 thumbpiece trims available with wide range
 of functions; see Trims and Functions, pages
 20-25.

Cylinders

Cylinder not included unless specified. See
 Quick Codes, page 53.

Removable Mullion

See Mullions, page 48.

Shim Kit

Optional for mounting device over raised vision
 light molding; specify M58.

Applications and Listings

See page 4.

Warranty

Five-year limited.

Certification/Compliance

ANSI

Meets A156.3, Type 1, Grade 1.
 Meets A117.1 Accessibility Code.

UL/cUL

All devices listed for safety as panic hardware;
 devices comply with UL 305 standards for panic
 hardware. Three-hour fire-rated devices listed
 as fire exit hardware for A label and lesser class
 4' x 8' single or 8' x 8' double doors; UL symbol
 on active case cover indicates 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

This product has been approved by the
 California State Fire Marshal pursuant to
 section 13144.1 of the California Health and
 Safety Code.



NFPA

All exit devices comply with NFPA 101 Life
 Safety Code. All fire-rated devices comply
 with NFPA 80 Fire Doors and Windows.

ADA

Exit devices, lever trims and pulls comply
 with Americans with Disabilities Act.

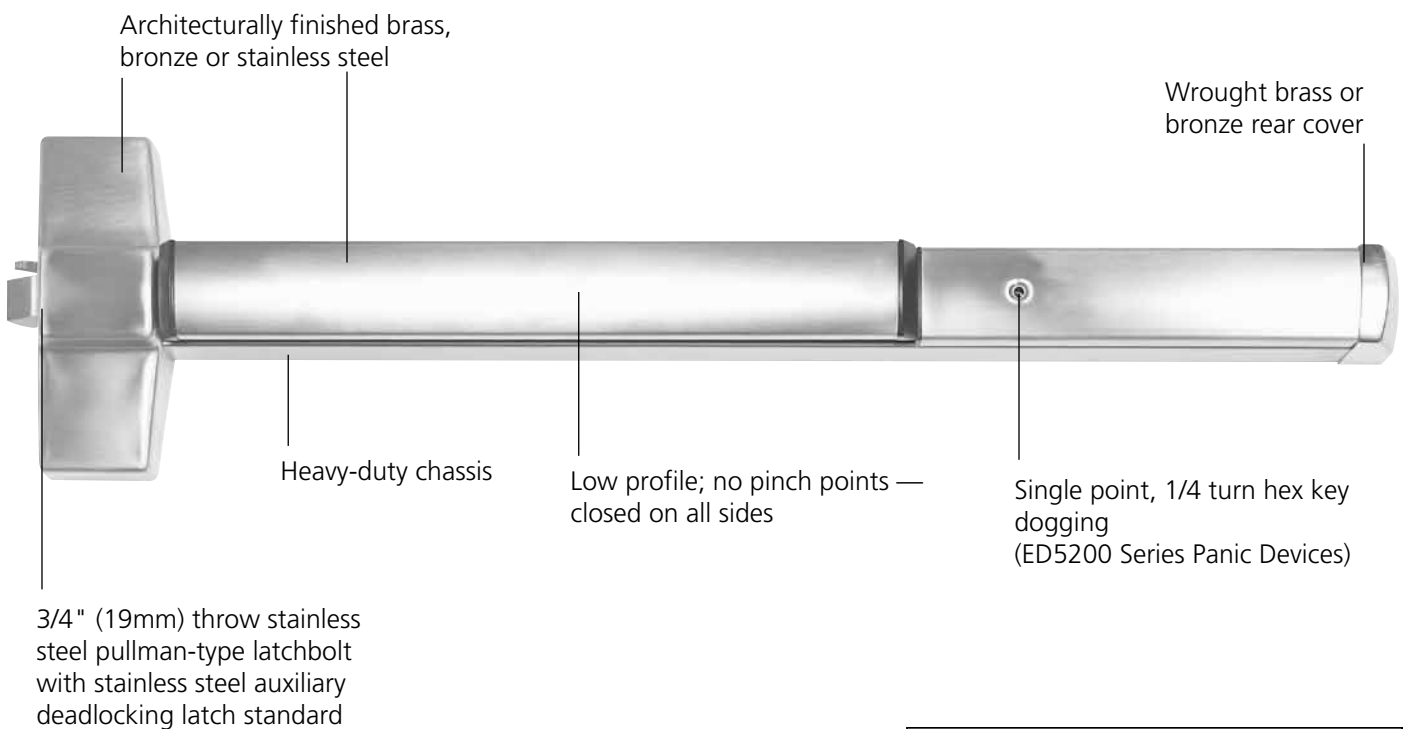
Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield® 
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield® 
BHMA 722	Black oxidized bronze, oil rubbed

Rim Features

ED5000

ED5200 and ED5200A Rim Exit Devices



Surface Vertical Rod Features

ED5000

ED5400 Panic-Listed Surface Vertical Rod Exit Device ED5400A 3-Hour Fire-Listed Surface Vertical Rod Exit Device

Features

Handing

Device is handed but easily field reversible. Lever trim is handed.

Bar Length

Easily field cut to size.
Standard: 36" (914mm) bar fits 30" - 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36" -48" (914mm-1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile

Minimum width 4-1/2" (114mm).

Door Height

Standard top rod for 7' door.
All rods easily field cut to size.
Optional door heights up to 8' available; see Quick Codes, page 55.
For door heights above 8'0" refer to ED5470(B).

Latchbolt

Top: 3/4" (19mm) throw, stainless steel pullman-type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods

1/2" O.D. tubular brass, bronze or stainless steel with rod guides.

Materials

Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection

3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging

Standard on panic devices; single-point 1/4 turn hex key dogging. Optional: less dogging, specify M51. Optional: cylinder dogging, specify M52. Optional: electric dogging; specify M97. Mechanical dogging not available on fire-rated devices.

ED5000.10

Fasteners

Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike

Top: adjustable roller strike with positive locking plate and shims.
Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 50.

Functions and Trims

Through-bolted lever, knob pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 20-25.

Cylinders

Cylinder not included unless specified. See Quick Codes, page 53.

Shim Kit

Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings

See page 4.

Warranty

Five-year limited.

Certification/Compliance

ANSI

Meets A156.3, Type 2, Grade 1.

UL/cUL

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 8' x 8' double doors; UL symbol on active case cover indicates 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

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.



NFPA

All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Lever trims and pulls comply with Americans with Disabilities Act.

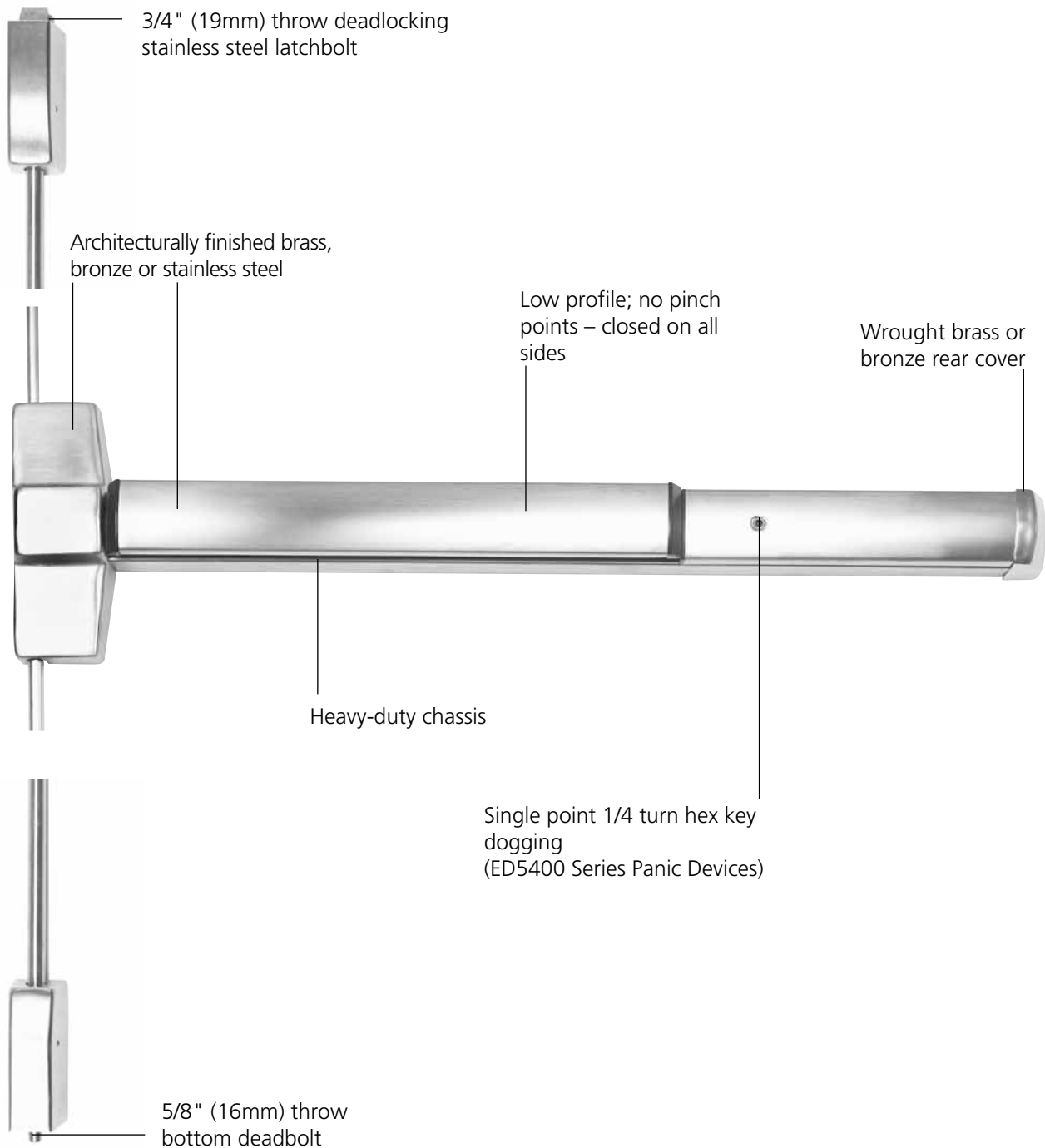
Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield® 
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield® 
BHMA 722	Black oxidized bronze, oil rubbed

Surface Vertical Rod Features

ED5000

ED5400 and ED5400A Surface Vertical Rod Exit Device



Surface Vertical Rod Features

ED5000

ED5470 Panic-Listed Surface Vertical Rod Exit Device ED5470B 1-1/2 Hour Fire-Listed Surface Vertical Rod Exit Device

Features

Handing

Device is handed but easily field reversible.
Lever trim is handed.

Bar length

Easily field cut to size.
Standard: 36" (914mm) bar fits 30" - 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36" - 48" (914mm-1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile

Minimum width 4-1/2" (14mm).

Door Height

Standard top rod for 7' door.
All top rods easily field cut to size.
Optional door heights up to 10' available; see Quick Codes, page 55.

Latchbolt

Top: 3/4" (19mm) throw, stainless steel, pullman-type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods

1/2" O.D. tubular brass, bronze or stainless steel with rod guides.

Less Bottom Rod

Optional on ED5470 & ED5470B devices only; specify M55.

Heat Activated Door Bolt (Popper)

Standard on all fire-rated devices with M55 option (less bottom rod).

Materials

Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection

3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging

Standard on panic devices; single-point 1/4 turn hex key dogging. Optional: less dogging, specify M51. Optional: cylinder dogging, specify M52. Optional: electric dogging; specify M97. Mechanical dogging not available on fire-rated devices.

Fasteners

Standard on panic devices: machine screws and wood door fasteners. Standard on fire-rated devices: sex nuts and bolts. Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54. Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike

Top: surface mounted interlocking.
Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 50.

Functions and Trims

Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 20-25.

Cylinders

Cylinder not included unless specified. See Quick Codes, page 53.

Shim Kit

Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings

See page 4.

Warranty

Five-year limited.

Certification/Compliance

ANSI

Meets A156.3, Type 2, Grade 1.
Meets A117.1 Accessibility Code when ordered with M55 option only.

UL/cUL

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. 1-1/2 hour fire-rated devices listed as fire exit hardware for B label and lesser class 8' x 10' double doors; UL symbol on active case cover indicates listings.

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

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.



NFPA

All exit devices comply with NFPA 101 Life Safety Code.
All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Exit devices with M55 option, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield® 
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield® 
BHMA 722	Black oxidized bronze, oil rubbed

Surface Vertical Rod Features

ED5000

ED5470 and ED5470B Surface Vertical Rod Exit Devices

3/4" (19mm) throw deadlocking
stainless steel latchbolt



Architecturally finished brass,
bronze or stainless steel



Low profile; no pinch
points – closed on all
sides

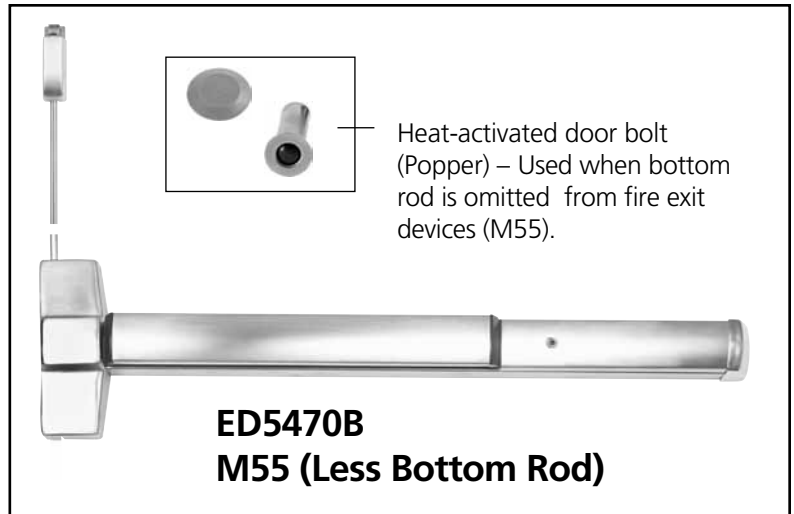
Wrought brass or
bronze rear cover

Heavy-duty chassis

Single point 1/4 turn hex key dogging
(ED5470 Series Panic Devices)



5/8" (16mm) throw
deadbolt



Concealed Vertical Rod Features

ED5000

ED5800 Panic-Listed Concealed Vertical Rod Exit Device ED5800A 3-Hour Fire-Listed Concealed Vertical Rod Exit Device

FOR USE WITH METAL DOORS ONLY

Features

Handing

Device is handed but easily field reversible. Lever trim is handed.

Bar length

Easily field cut to size.
Standard: 36" (914mm) bar fits 30" - 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36" -48" (914mm-1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile

Minimum width 4-1/2" (114mm).

Door Height

Standard: top rod for 8' door.
Telescoping rod assembly to accommodate various door heights. For door heights above 8'0", refer to ED5860(B).

Latchbolt

Top: 3/4" (19mm) throw, stainless steel pullman-type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods

1/2" O.D. tubing, electroplated for corrosion resistance.

Materials

Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection

3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging

Standard on panic devices; single-point 1/4 turn hex key dogging. Optional: less dogging, specify M51. Optional: cylinder dogging, specify M52. Optional: electric dogging; specify M97. Mechanical dogging not available on fire-rated devices.

Fasteners

Standard on panic devices: machine screws. Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on unreinforced metal doors; specify M54.

Strike

Top: roller type.
Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 50.

Functions and Trims

Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 20-25.

Cylinders

Cylinder not included unless specified. See Quick Codes, page 53.

Shim Kit

Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings

For use on metal doors only. See page 4.

Warranty

Five-year limited.

Certification/Compliance

ANSI

Meets A156.3, Type 8, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 8' x 8' double doors; UL symbol on active case cover indicates listing.

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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

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.



NFPA

All exit devices comply with NFPA 101 Life Safety Code.
All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

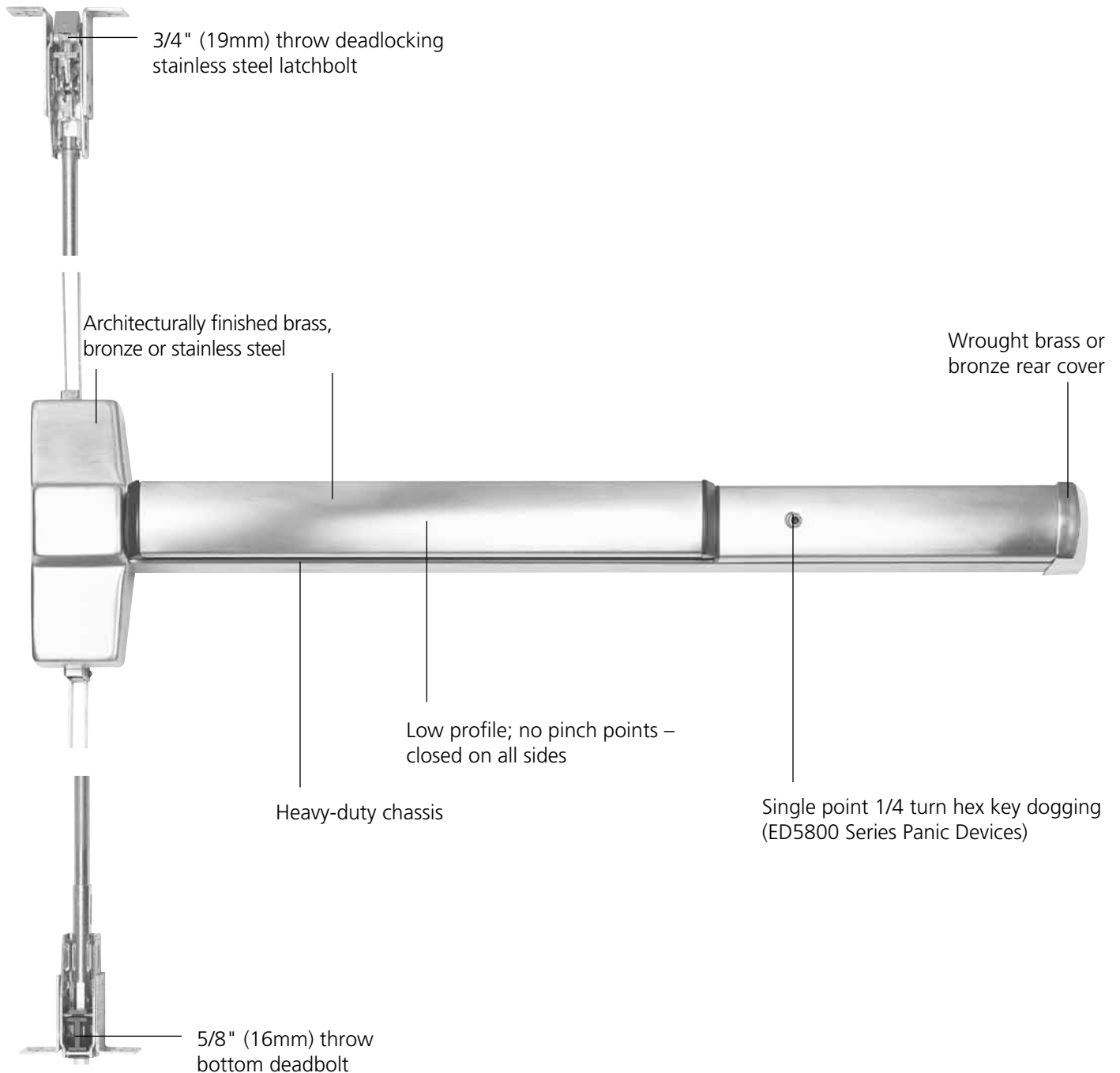
BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield® 
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield® 
BHMA 722	Black oxidized bronze, oil rubbed

Concealed Vertical Rod Features

ED5000

ED5800 and ED5800A Concealed Vertical Rod Exit Devices

FOR USE WITH METAL DOORS ONLY



Concealed Vertical Rod Features

ED5000

ED5860 Panic-Listed Concealed Vertical Rod Exit Device ED5860B 1-1/2 Hour Fire-Listed Concealed Vertical Rod Exit Device

FOR USE WITH METAL OR WOOD DOORS

Features

Handing

Device is handed but is easily field reversible.
Lever trim is handed.

Bar length

Easily field cut to size.
Standard: 36" (914mm) bar fits 30" - 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36" -48" (914mm-1219mm) door; specify W048.

Door Thickness

1-3/4" (14mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile

Minimum width 4-1/2" (114mm).

Door Height

Standard: top rod for 8' door.
Telescoping rod assembly to accommodate various door heights.
Optional door heights up to 10' available; see Quick Codes, page 55.

Latchbolt

Top: 3/4" (19mm) throw, stainless steel, pullman-type with automatic deadlatching.
Bottom: 5/8" (16mm) throw deadbolt, held retracted during door swing.

Vertical Rods

1/2" O.D. tubing, electroplated for corrosion resistance.

Less Bottom Rod

Optional on ED5860 and ED5860B devices only; specify M55.

Heat-Activated Door Bolt (Popper)

Standard with all fire-rated devices with M55 option (less bottom rod).

Materials

Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection

3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

ED5000.16

Dogging

Standard on panic devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging, specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners

Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike

Top: mortise. Bottom: flush mounted.
Optional strikes available; see Options and Accessories, page 50.

Functions and Trims

Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 20-25.

Cylinders

Cylinder not included unless specified. See Quick Codes, page 53.

Shim Kit

Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings

For use with metal or wood doors. See page 4.

Warranty

Five-year limited.

Certification/Compliance

ANSI

Meets A156.3, Type 7 and 8, Grade 1.
Meets A117.1 Accessibility Code.

UL/cUL

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. 1-1/2 hour fire-rated devices listed as fire exit hardware for B label and lesser class 8' x 10' double doors; UL symbol on active case cover indicates listings.

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

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA



All exit devices comply with NFPA 101 Life Safety Code.

All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

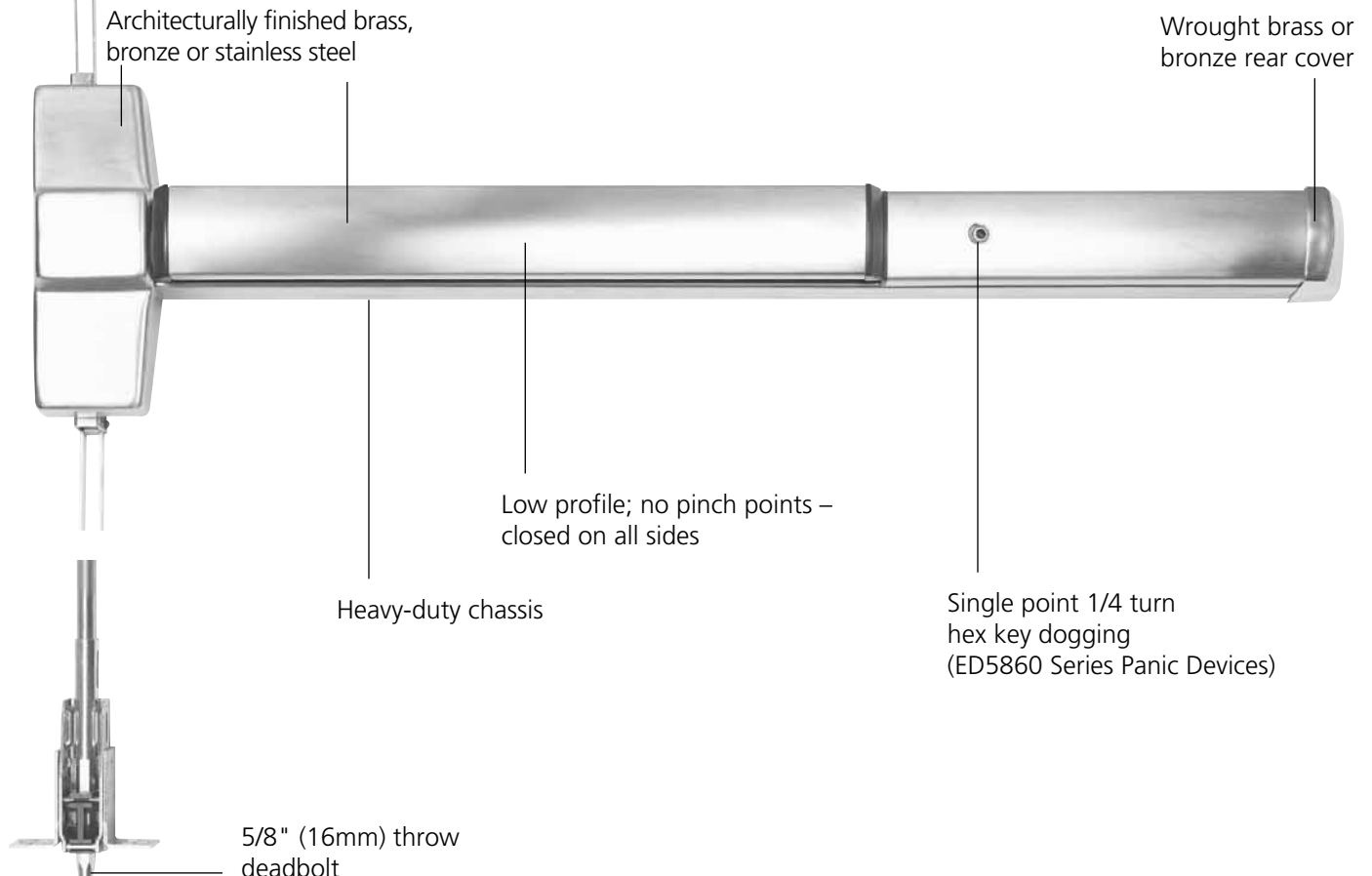
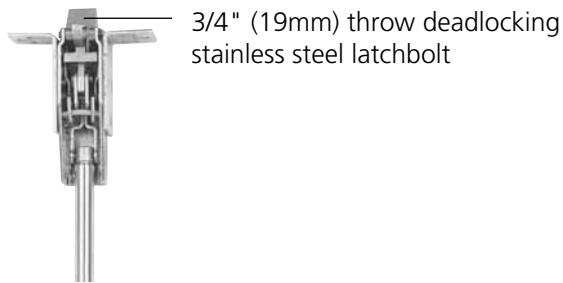
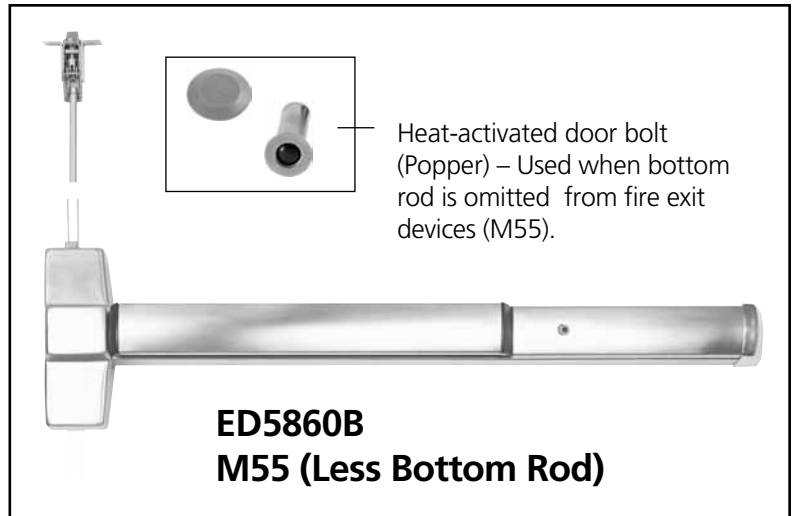
BHMA 605	Bright Brass
BHMA 606	Satin Brass
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BHMA 629	Bright Stainless Steel
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630C	Satin Stainless Steel with MicroShield® 
BHMA 722	Black oxidized bronze, oil rubbed

Concealed Vertical Rod Features

ED5000

ED5860 and ED5860B Concealed Vertical Rod Exit Devices

FOR USE WITH METAL OR
WOOD DOORS



Functions

ED5000

Pull and Thumbpiece Trim

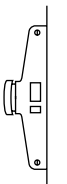

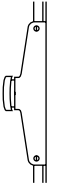



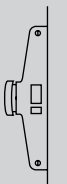




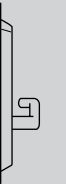
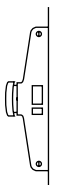

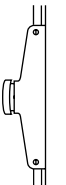


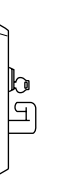
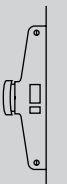
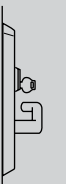




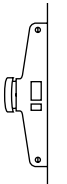
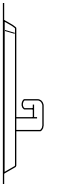
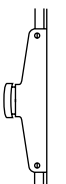



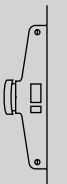

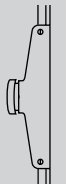



Rim/ SecureBolt® ED5200(A) ED5200S(A)		Surface Vertical Rod ED5400(A) ED5470(B)		Concealed Vertical Rod ED5800(A) ED5860(B)		Type	ANSI No.	Function Description
Inside	Outside	Inside	Outside	Inside	Outside			
						Exit Only	01	Exit only; no trim.
						Dummy	02	Entrance by trim when actuating bar is dogged down.
						Nightlatch	03	Entrance by trim when latchbolt is retracted by key.
						Classroom*	05	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
						Passage	15	Entrance by trim when latch is retracted by thumbpiece. Thumbpiece is always active, no cylinder.
						Storeroom (Thumbpiece Active)	06	Entrance by thumbpiece only when released by key. Key removable only when locked.

*Classroom function trims can be converted to Storeroom function by a simple field adjustment.

Functions

ED5000

Lever and Knob Trim

Rim/ SecureBolt® ED5200(A) ED5200S(A)		Surface Vertical Rod ED5400(A) ED5470(B)		Concealed Vertical Rod ED5800(A) ED5860(B)		Type	ANSI No.	Function Description
Inside	Outside	Inside	Outside	Inside	Outside			
						Exit Only	01	Exit only; no trim.
						Dummy	02	Entrance by trim when actuating bar is dogged down.
						Nightlatch	03	Entrance by trim when latchbolt is retracted by key.
						Classroom*	08	Entrance by knob or lever. Key locks or unlocks knob or lever.
						Passage	14	Entrance by trim when latchbolt is retracted by knob or lever. Knob or lever always active, no cylinder.
						Storeroom (Grip Active)	09	Entrance by knob or lever only when released by key. Key removable only when locked.

*Classroom function trims can be converted to Storeroom function by a simple field adjustment.

Heavy-Duty Trims & Functions


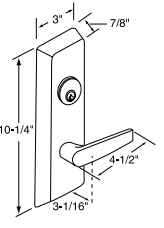

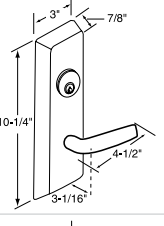

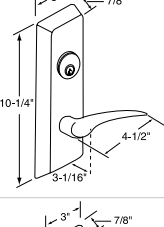

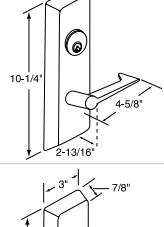

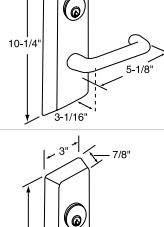
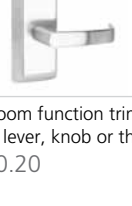
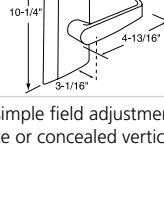
ED5000

Rim, SecureBolt®, Vertical Rod

Features:

- Free Wheeling vandal-resistant design
- Beveled edges

- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty

Pull Trim Design	Trim/Function				
	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03	Storeroom ANSI No. 09
 <p>Armstrong A9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	A910	A950	A955 ¹	A957 ²	A959
 <p>Citation C9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	C910	C950	C955 ¹	C957 ²	C959
 <p>Dirke D9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	D910	D950	D955 ¹	D957 ²	D959
 <p>Essex E9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	E910	E950	E955 ¹	E957 ²	E959
 <p>Lustra L9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	L910	L950	L955 ¹	L957 ²	L959
 <p>Newport N9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	N910	N950	N955 ¹	N957 ²	N959

1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.

2. Active lever, knob or thumbpiece trim recommended for use with surface or concealed vertical rod exit devices.

Heavy-Duty Trims & Functions


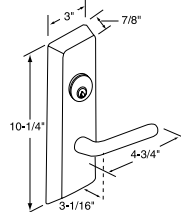

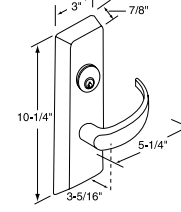

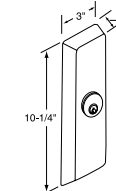
ED5000

Rim, SecureBolt®, Vertical Rod

Features:

- Free Wheeling vandal-resistant design
- Beveled edges

- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty

Pull Trim Design		Trim/Function					
		Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03	Storeroom ANSI No. 09	
	Regis R9 Lever: Cast Escutcheon: Forged Cylinder: Rim		R910	R950	R955 ¹	R957 ²	R959
	Princeton PR9 Lever: Cast Escutcheon: Forged Cylinder: Rim		PR910	PR950	PR955 ¹	PR957 ²	PR959
	Escutcheon F9 Escutcheon: Forged Cylinder: Rim		N/A	F950	N/A	F957 ²	N/A

1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.
2. Active lever, knob or thumbpiece trim recommended for use with surface or concealed vertical rod exit devices.

Utility Trims and Functions



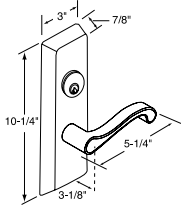


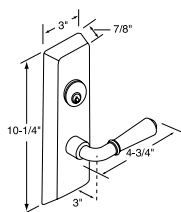


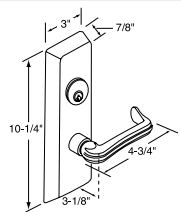


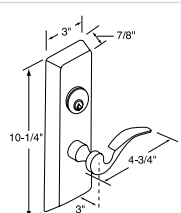
ED5000

Rim, SecureBolt®, Vertical Rod

Features:

- Free Wheeling vandal-resistant design
- Beveled edges

- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty

Pull Trim Design			Trim/Function					
			Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03	Storeroom ANSI No. 09	
	Frascati FR9 Lever: Cast Escutcheon: Forged Cylinder: Rim			FR910	FR950	FR955 ¹	FR957 ²	FR959
	Merlot M9 Lever: Cast Escutcheon: Forged Cylinder: Rim			M910	M950	M955 ¹	M957 ²	M959
	Tuscany TS9 Lever: Cast Escutcheon: Forged Cylinder: Rim			TS910	TS950	TS955 ¹	TS957 ²	TS959
	Zinfandel Z9 Lever: Cast Escutcheon: Forged Cylinder: Rim			Z910	Z950	Z955 ¹	Z957 ²	Z959

1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.

2. Active lever, knob or thumbpiece trim recommended for use with surface or concealed vertical rod exit devices.

Utility Trims and Functions






ED5000

Rim, SecureBolt®, Vertical Rod

Features:

- Free Wheeling vandal-resistant design
- Beveled edges

- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty



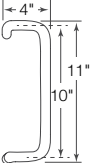


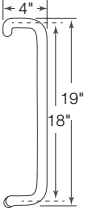


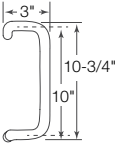
Pull Trim Design	Trim/Function				
	Passage ANSI No. 14/15	Dummy ANSI No. 02	Classroom ANSI No. 05/08	Nightlatch ANSI No. 03	Storeroom ANSI No. 09
 <p>G900 Trim Knob: Wrought Escutcheon: Forged Cylinder: Rim</p>					
 <p>TH900 Trim Pull: Extruded Escutcheon: Forged Cylinder: Rim Projection: 2-11/16"</p>					
 <p>Offset Pull P9 Pull: Extruded Escutcheon: Forged Cylinder: Rim Specify Hand.</p>					
 <p>VT9 Trim Plate: Formed Stainless Steel Cylinder: Rim Handed: Specify RHR or LHR</p>					
 <p>Key Only K1² Note: Available with cylinder option only. Ex: K157 x 6P.</p>					

1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.
2. Not recommended for use on ED5400 or ED5800 series exit devices.
3. VTL has a lip that covers door gap and protects the latch.

Utility Trims and Functions

ED5000

Offset Pull Trim: P12, P13, P14*

	<p>Offset Pull P12 Clearance: 2-1/2" </p>		<p>Specify Part Number, 716F50M x Finish¹</p>
	<p>Offset Pull P13 Clearance: 2-1/2" </p>		<p>Specify Part Number, 716F51M x Finish¹</p>
	<p>Offset Pull P14 Clearance: 2-1/2" </p>		<p>Specify Part Number, 716F52M x Finish¹</p>

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.
*Available on 1-3/4" thick doors only.

Utility Trims and Functions

































ED5000

Rim, SecureBolt®, Vertical Rod Features:

- Free Wheeling vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty



Lever: Cast
Escutcheon: Forged
Cylinder: Rim

Pull Trim Design	Trim/Function						
	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03	Storeroom ANSI No. 09		
Muséo®							
GEORGIA	102	102910	102950	102955	102957	102959	 102  103  104  124  125
	103	103910	103950	103955	103957	103959	
	104	104910	104950	104955	104957	104959	
	124	124910	124950	124955	124957	124959	
	125	125910	125950	125955	125957	125959	
SALVADOR	106	106910	106950	106955	106957	106959	 106  107  108  109  110  123  128  129
	107	107910	107950	107955	107957	107959	
	108	108910	108950	108955	108957	108959	
	109	109910	109950	109955	109957	109959	
	110	110910	110950	110955	110957	110959	
	123	123910	123950	123955	123957	123959	
	128	128910	128950	128955	128957	128959	
	129	129910	129950	129955	129957	129959	
MARC	111	111910	111950	111955	111957	111959	 111  112  113  114  115  116  130  131  132
	112	112910	112950	112955	112957	112959	
	113	113910	113950	113955	113957	113959	
	114	114910	114950	114955	114957	114959	
	115	115910	115950	115955	115957	115959	
	116	116910	116950	116955	116957	116959	
	130	130910	130950	130955	130957	130959	
	131	131910	131950	131955	131957	131959	
	132	132910	132950	132955	132957	132959	
	PABLO	117	117910	117950	117955	117957	
126		126910	126950	126955	126957	126959	
JACKSON	119	119910	119950	119955	119957	119959	 119  121  122  127
	121	121910	121950	121955	121957	121959	
	122	122910	122950	122955	122957	122959	
PIET*	127	127910	127950	127955	127957	127959	 21L  21M  21S  21W  23M  25M
	21L	21L910	21L950	21L955	21L957	21L959	
	21M	21M910	21M950	21M955	21M957	21M959	
	21S	21S910	21S950	21S955	21S957	21S959	
	21W	21W910	21W950	21W955	21W957	21W959	
	23M	23M910	23M950	23M955	23M957	23M959	
25M	25M910	25M950	25M955	25M957	25M959		

*See pages 59-60 for how to order the Muséo® Piet Lever Collection.

Mortise Features

ED5000

- ED5600** **Panic-Listed Mortise Exit Device**
- ED5600A** **3-Hour Fire-Listed Mortise Exit Device**
- ED5602L** **Panic-Listed Listed Mortise Double Cylinder Exit Device**
- ED5602AL** **3-Hour Fire-Listed Mortise Double Cylinder Exit Device**



Features

Handing

Device is non-handed.
Mortise lock body is handed, but field reversible.
Lever trim may be handed.

Bar length

Easily field cut to size.
Standard: 36" (914mm) bar fits 30" - 36" (762mm-914mm) door.
Optional: 24" (610mm) bar fits 24" (610mm) door; specify W024.
Optional: 48" (1219mm) bar fits 36" -48" (914mm-1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Stile

Minimum width 4-1/2" (114mm).

Latchbolt

2-piece mechanical, 3/4" (19mm) throw, stainless steel with auxiliary deadlocking latch.

Materials

Heavy-duty cold-forged steel chassis; heavy-gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings.

Projection

3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging

Standard on panic devices; single-point 1/4 turn hex key dogging.
Optional: less dogging, specify M51.
Optional: cylinder dogging, specify M52.
Optional: electric dogging; specify M97.
Mechanical dogging not available on fire-rated devices.

Fasteners

Standard on panic devices: machine screws and wood door fasteners.
Standard on fire-rated devices: sex nuts and bolts.
Optional on panic devices: sex nuts and bolts for use on wood, composite, or unreinforced metal doors; specify M54.
Optional wood screws for use on approved fire-rated solid wood or wood core doors. Specify M64.

Strike

Non-handed. ANSI curved lip standard. 4-7/8" x 1-1/4" x 1-1/4" lip to center.
Optional strikes available; see Options and Accessories, page 51.

Functions and Trims

Through-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, pages 30-35.

Cylinders

Cylinder not included unless specified. See Quick Codes, page 53.

Shim Kit

Optional for mounting device over raised vision light molding; specify M58.

Applications and Listings

See page 4.

Warranty

Five-year limited.

Certification/Compliance

ANSI

Meets A156.3, Type 3, Grade 1.
Meets A117.1 Accessibility Code.

UL/CUL

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on active case cover indicates listings.

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

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA



All exit devices comply with NFPA 101 Life Safety Code.

All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
BHMA 629	Bright Stainless Steel
626C	Satin Chromium Plated with Microshield® 
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with Microshield® 
BHMA 722	Black oxidized bronze, oil rubbed

Mortise Features

ED5000

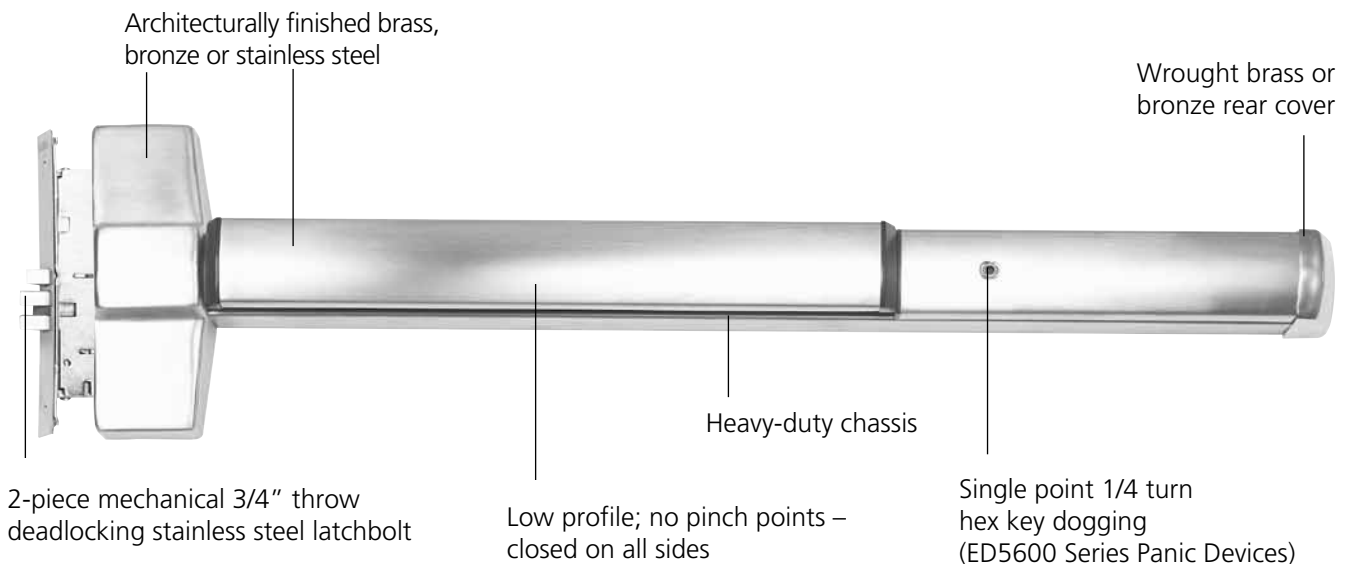
**ED5600K, ED5657K
ED5600L, ED5602L, ED5657L,
ED5602L, ED5600T, ED5657T
Mortise Panic-Listed Exit Devices**

**ED5600AK, ED5657AK
ED5600AL, ED5602AL, ED5657AL,
ED5602AL, ED5600AT, ED5657AT
Mortise Fire-Listed Exit Devices**



How to Order/Specify Mortise Exit

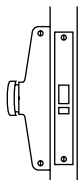
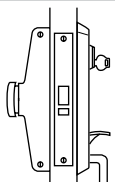
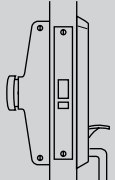
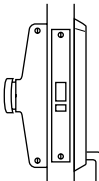
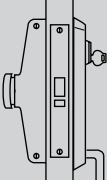
Trim Type	Functions	Panic	Fire
Knob	Passage	ED5600K	ED5600AK
	Classroom		
	Nightlatch	ED5657K	ED5657AK
	Dummy		
Lever or Flat Plate	Passage	ED5600L	ED5600AL
	Classroom		
	Double Cylinder (Classroom function Trim only)	ED5602L	ED5602AL
	Nightlatch	ED5657L	ED5657AL
Dummy			
Thumbpiece	Passage	ED5600T	ED5600AT
	Classroom		
	Nightlatch	ED5657T	ED5657AT
	Dummy		



Mortise Functions

ED5000

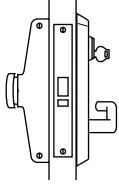
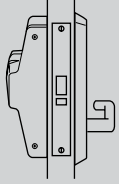
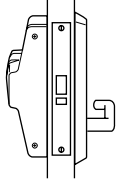
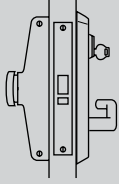
Exit Only, Pull and Thumbpiece Trim

Mortise ED5600L ED5600AL		Type	ANSI No.	Function Description
Inside	Outside			
		Exit Only	01	Exit only; no trim.
Mortise ED5600T ED5600AT		Type	ANSI No.	Function Description
Inside	Outside			
		Classroom	05	Entrance by thumbpiece. Key locks or unlocks thumbpiece. Specify Thumbpiece - ED5600T or ED5600AT.
		Passage	15	Entrance by trim when latch is retracted by thumbpiece. Thumbpiece always active, no cylinder. Specify Thumbpiece - ED5600T or ED5600AT.
Mortise ED5657T ED5657AT		Type	ANSI No.	Function Description
Inside	Outside			
		Dummy	02	Entrance by trim when actuating bar is dogged down. Specify ED5657T or ED5657AT.
		Nightlatch	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked. Specify ED5657T or ED5657AT.

Mortise Functions

ED5000

Lever and Knob Trim

Mortise ED5600L ED5600AL ED5600K ED5600AK Inside Outside	Type	ANSI No.	Function Description
	Classroom**	08	Entrance by knob or lever. Key locks or unlocks knob or lever.
	Passage*	14	Entrance by trim when latchbolt is retracted by knob or lever. Knob or lever always active, no cylinder. Specify K, AK, L or AL.
Mortise ED5657L ED5657AL ED5657K ED5657AK Inside Outside	Type	ANSI No.	Function Description
	Dummy*	02	Entrance by trim when actuating bar is dogged down.
	Nightlatch**	03	Entrance by trim when latchbolt is retracted by key. Key removable only when locked. Specify ED5657L, ED5657AL, ED5657K, ED5657AK.

*Dummy and passage function trims are the same.



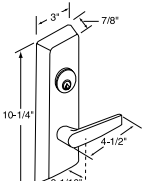


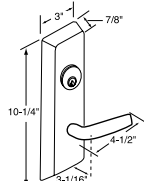


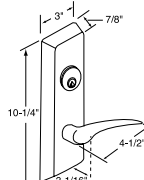


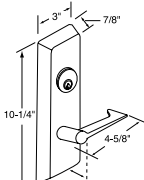


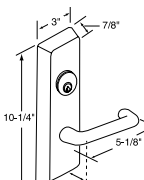


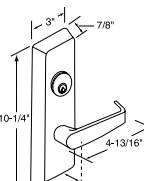
**Classroom and Nightlatch function trims are the same. Trim function must be specified when ordered with an exit to ensure that the correct lock body is supplied with the device.

Heavy-Duty Mortise Trims & Functions

ED5000

Features:

- Beveled edges
- Rigid lever when locked
- Flush cylinder
- Through-bolted to exit device
- 5-year limited warranty



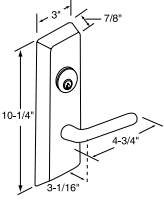


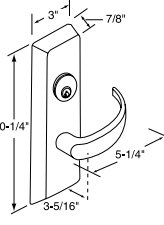


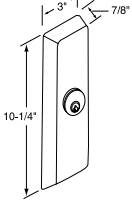
Trim Design	Trim/Function			
	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03
 <p>Armstrong A9M Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise A02</p>  	A9M10	A9M50	A9M55	A9M57
 <p>Citation C9M Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise A02</p>  	C9M10	C9M50	C9M55	C9M57
 <p>Dirke D9M Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise A02</p>  	D9M10	D9M50	D9M55	D9M57
 <p>Essex E9M Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise A02</p>  	E9M10	E9M50	E9M55	E9M57
 <p>Lustra L9M Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise A02</p>  	L9M10	L9M50	L9M55	L9M57
 <p>Newport N9M Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise A02</p>  	N9M10	N9M50	N9M55	N9M57

Heavy-Duty Mortise Trims & Functions

ED5000

Features:

- Beveled edges
- Rigid lever when locked
- Flush cylinder
- Through-bolted to exit device
- 5-year limited warranty




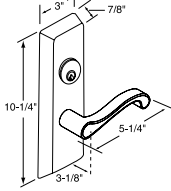



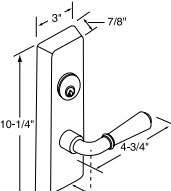



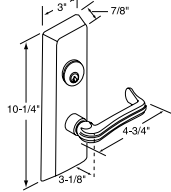



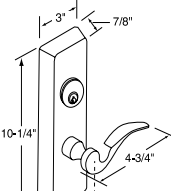
Trim Design	Trim/Function			
	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03
 <p>Regis R9M Lever: Cast Escutcheon: Forged Cylinder: 1-1/2 " Mortise A02 </p> 	R9M10	R9M50	R9M55	R9M57
 <p>Princeton PR9M Lever: Cast Escutcheon: Forged Cylinder: 1-1/2 " Mortise A02 </p> 	PR9M10	PR9M50	PR9M55	PR9M57
 <p>Escutcheon F9 Escutcheon: Forged Cylinder: 1-1/2 " Mortise A02 </p> 	N/A	F950	N/A	F9M57

Heavy-Duty Mortise Trims & Functions

ED5000

Features:

- Beveled edges
- Rigid lever when locked
- Flush cylinder
- Through-bolted to exit device
- 5-year limited warranty

Trim Design			Trim/Function				
			Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03	
	Frascati FR9M Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise A02 			FR9M10	FR9M50	FR9M55	FR9M57
	Merlot M9M Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise A02 			M9M10	M9M50	M9M55	M9M57
	Tuscany TS9M Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise A02 			TS9M10	TS9M50	TS9M55	TS9M57
	Zinfandel Z9M Lever: Cast Escutcheon: Forged Cylinder: 1-1/2" Mortise A02 			Z9M10	Z9M50	Z9M55	Z9M57

Mortise Utility Trims & Functions



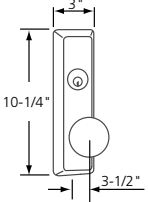



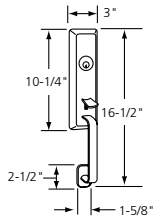



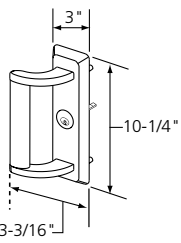


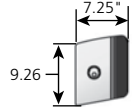
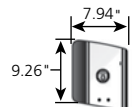


ED5000

Mortise

Features:

- Vandal-resistant design
- Beveled edges

- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 5-year limited warranty



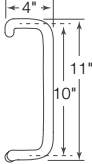


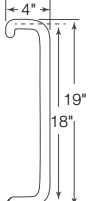


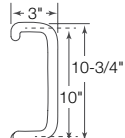
Pull Trim Design		Trim/Function				
		Passage ANSI No. 14/15	Dummy ANSI No. 02	Classroom ANSI No. 05/08	Nightlatch ANSI No. 03	
	G9M00 Trim Knob: Wrought Escutcheon: Forged Cylinder: 1-1/2" Mortise A02 		G9M10	G9M50	G9M55	G9M57
	TH9M00 Trim  Pull: Extruded Escutcheon: Forged Cylinder: 1-1/2" Mortise A02  Projection: 2-11/16"		TH9M10	TH9M50	TH9M55	TH9M57
	Offset Pull P9M  Pull: Extruded Escutcheon: Forged Cylinder: 1-1/2" Mortise A02 		N/A	P950	N/A	P9M57 (03)
	VT9M Trim  Plate: Formed Stainless Steel Cylinder: Mortise Handed: Specify RHR or LHR		N/A	VT950	N/A	VT9M57
			N/A	VTL950 ³	N/A	VTL9M57 ³
	Key Only K1M Note: Available with cylinder option only. Ex: K1M57 x 6P.		N/A	N/A	N/A	K1M57

3. VTL has a lip that covers door gap and protects the latch.

Mortise Utility Trims & Functions

ED5000

Offset Pull Trim: P12, P13, P14*

	<p>Offset Pull P12 Clearance: 2-1/2" </p>		<p>Specify Part Number, 716F50M x Finish¹</p>
	<p>Offset Pull P13 Clearance: 2-1/2" </p>		<p>Specify Part Number, 716F51M x Finish¹</p>
	<p>Offset Pull P14 Clearance: 2-1/2" </p>		<p>Specify Part Number, 716F52M x Finish¹</p>

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.

* Available on 1 3/4" thick doors only.


Mortise Utility Trims & Functions



































ED5000

Mortise Features:

- Beveled edges
- Rigid lever when locked
- Through-bolted to exit device
- Flush cylinder
- 5-year limited warranty



Lever: Cast
Escutcheon: Forged
Cylinder: 1-1/2"
Mortise A02 

Pull Trim Design	Trim/Function					
	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03		
Muséo®						
GEORGIA	102	1029M10	1029M50	1029M55	1029M57	 102  103  104
	103	1039M10	1039M50	1039M55	1039M57	
	104	1049M10	1049M50	1049M55	1049M57	
	124	1249M10	1249M50	1249M55	1249M57	 124  125
	125	1259M10	1259M50	1259M55	1259M57	
SALVADOR	106	1069M10	1069M50	1069M55	1069M57	 106  107  108  109
	107	1079M10	1079M50	1079M55	1079M57	
	108	1089M10	1089M50	1089M55	1089M57	
	109	1099M10	1099M50	1099M55	1099M57	
	110	1109M10	1109M50	1109M55	1109M57	 110  123  128  129
	123	1239M10	1239M50	1239M55	1239M57	
	128	1289M10	1289M50	1289M55	1289M57	
MARC	129	1299M10	1299M50	1299M55	1299M57	
	111	1119M10	1119M50	1119M55	1119M57	 111  112  113
	112	1129M10	1129M50	1129M55	1129M57	
	113	1139M10	1139M50	1139M55	1139M57	
	114	1149M10	1149M50	1149M55	1149M57	 114  115  116
	115	1159M10	1159M50	1159M55	1159M57	
	116	1169M10	1169M50	1169M55	1169M57	
	130	1309M10	1309M50	1309M55	1309M57	 130  131  132
131	1319M10	1319M50	1319M55	1319M57		
132	1329M10	1329M50	1329M55	1329M57		
PABLO	117	1179M10	1179M50	1179M55	1179M57	 117  126
	126	1269M10	1269M50	1269M55	1269M57	
JACKSON	119	1199M10	1199M50	1199M55	1199M57	 119  121  122  127
	121	1219M10	1219M50	1219M55	1219M57	
	122	1229M10	1229M50	1229M55	1229M57	
PIET*	127	1279M10	1279M50	1279M55	1279M57	
	21L	21L9M10	21L9M50	21L9M55	21L9M57	 21L  21M  21S
	21M	21M9M10	21M9M50	21M9M55	21M9M57	
	21S	21S9M10	21S9M50	21S9M55	21S9M57	
	21W	21W9M10	21W9M50	21W9M55	21W9M57	 21W  23M  25M
	23M	23M9M10	23M9M50	23M9M55	23M9M57	
25M	25M9M10	25M9M50	25M9M55	25M9M57		

*See pages 59-60 for how to order the Muséo® Piet Lever Collection.

Electrified Exit Devices

ED5000

Electrified Exit Devices

The Corbin Russwin ED5000 series electrified exit devices offer a complete range of options that may be integrated into the monitoring security and alarm systems of most buildings. The continuum of appearance is maintained, as well as the security and function of the ED5000 mechanical exit device.



List No.	Exit Device Description	Available options										
		M61	M91	M92	M93	M94	M97	SAF	SEC	D	9903	9905
ED5200 (A)	Rim Exit Device	x	x	x	x	x	x			x	x	x
ED5200S (A)	Rim SecureBolt® Device	x	x	x	x	x	x			x	x	x
ED5400 (A)	Surface Vertical Rod	x	x	x	x	x	x			x	x	x
ED5470 (B)	Surface Vertical Rod	x	x	x	x	x	x			x	x	x
ED5600 (A)	Mortise Exit Device	x	x	x	x	x	x	x	x	x		
ED5800 (A)	Concealed Vertical Rod	x	x	x	x	x	x			x	x	x
ED5860 (B)	Concealed Vertical Rod	x	x	x	x	x	x			x	x	x

Electrified Hardware Option Descriptions

M61	Alarm Option
M91	Bolt Monitor
M92	Touchbar Monitor
M93	Trim Monitor
M94	Latch Retraction
M97	Electric Dogging
SAF	Fail Safe Operation
SEC	Fail Secure Operation
D*	Delayed Egress ²
9903	Fail Safe Electrified Trim
9905	Fail Secure Electrified Trim

* Add as suffix to exit device.
Example: ED5200D x 630 x RHR

Note 1: The following options cannot be ordered together on the same device:

- a) M94 or M97 & D
- b) M94 x M97
- c) M52 x M97
- d) M97 x M107
- e) M61 or M92 & D
- f) M61 x M92
- g) M61x M52
- h) M52 & D
- i) ED5600 x M91 & M93
- j) ED5600 SAF or SEC x M91 or M93
- k) Surface vertical rod exit devices with M61 x M91, M92 or M93.

Note 2: When ordering a surface vertical rod exit device with the D option, rod and latch guards (provided by other) must be used.

Note 3: M88 (NFPA30) M89 (BOCA-15) and M90 (BOCA-30) are available only as options for suffix "D" Delayed Egress Exit Devices. See page 36 for details.

Electrified Exit Devices

ED5000

Electric Latch Pullback - M94

Continuous-duty solenoid retracts the latch bolt(s) for momentary or maintained periods of time. Latch Pullback provides a remote means of unlocking exit devices.

Application

SecureBolt® Exit Devices
Rim Exit Devices
Surface Vertical Rod Exit Devices
Concealed Vertical Rod Exit Devices
Mortise Exit Devices

Listings

UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

Requires 782 Controller (120VAC input, output sequencer for one or two devices). No substitutes; using other power sources voids warranty. Requires a 4-wire electrical transfer pivot or hinge. See page 43 for controller information.

Solenoid

A dual retraction/holder-type solenoid.
6-9 Amp in rush @ 24VDC to 28VDC
(.25 Amp holding-continuous duty.)

Device bolts remain retracted for as long as the device is energized. Removal of power returns the device to the life safety, self-latching mechanical mode.

Interface with central or local fire alarm system, automatic door operators, access control systems, security alarm systems, and blow open door systems.

Note: This feature is not available with Electric Dogging (M97) or delayed egress (D) on the same device.

How to Order

Specify Quick Code M94.

Electric Dogging - M97

This electronic feature will provide continuous dogging when power is applied and the push bar is depressed manually. Interruption or removal of the power will release the pushbar and return the exit device back to normal operation.

Application

SecureBolt® Exit Devices
Rim Exit Devices
Surface Vertical Rod Exit Devices
Concealed Vertical Rod Exit Devices
Mortise Exit Devices

Listings

UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

.35 Amps @ 24VDC continuous duty
(2) 36 volt holding magnets holding force (86 lbf. total)

Note: This feature is not available with Electric Latch Pullback (M94) or delayed egress (D) on the same device.

How to Order

Specify Quick Code M97.

Mortise Device Trim Control

Safe or Secure

Mortise device trim control provides a remote means of locking and unlocking the outside lever trim. This feature is provided by continuous duty solenoids in the device mortise lock.

Application

Mortise exit devices.

Listings

UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

24VDC 330 milliamperes

Fail Safe units maintain the door locked as long as the device is energized.

Fail Secure units maintain the door unlocked as long as the device is energized.

Regulated 24VDC power supply required.

Note: SAF & SEC options are only available with ED5600L and ED5600(A)L version lock body functions and may not be combined with either the M91 or M93 monitoring options.

How to Order

Specify Quick Code "SAF" for Safe or "SEC" for Secure.

Electrified Exit Devices

ED5000

Delayed Egress Exit Device

The delayed egress option provides additional security and safety in a strong line of exit hardware. The delayed egress exit device is an electromechanical device used to secure interior or exterior openings.

Operation

The exit door is normally closed and latched. The Delayed Egress Exit Device "D" secures the door in the locked mode with the solid Red LED indicating locked mode status. Depressing the pushpad for less than 3 seconds will sound the nuisance beep without initiating the alarm. Depressing the pushpad for 3 seconds or longer will initiate an irreversible local audible beeping tone and a visual amber indicator until the device releases. The person depressing the exit bar is denied egress for 15 or 30 seconds and security personnel are alerted. After the delay time of 15 or 30 seconds the device releases, the LED changes to Green, and the alarm changes to a steady tone which continues to alarm until manually reset by key. The remote monitoring contact outputs can be used to alert security personnel.

Note: The 15-second time delay is standard. 30-second time delay is optional (may be accepted by local jurisdiction).

Applications

- For use on hollow metal, wood or composite interior or exterior doors.
- Available for rim, SecureBolt®, surface vertical rod, concealed vertical rod and mortise panic and fire-rated exit devices. For surface vertical rod exit devices, rod and latch guards (provided by other) must be used.
- Complies with NFPA 101 "Code For Safety To Life From Buildings And Structures" by National Fire Protection Association.
- BOCA options available to comply with National Building Code requirements. BOCA option is not suitable for installations in accordance with NFPA 101.



- 1-3/4" (45mm) door thickness standard; 2" (51mm) and 2-1/4" (57mm) optional; specify D200 or D214 when ordering.
- Standard 36" device fits 36" doors only. Device cannot be cut less than 36".
- Option W048 fits doors 42" – 48". Devices cannot be cut less than 42".

Listing

- UL/cUL Listed
 - Fire Exit Hardware (GXHX/GXHX7)
 - Controlled Exit Panic Device (FUKD/FUKD7)
 - Special Locking Arrangements (FWAX/FWAX7)
- BHMA (ANSI A156.3 and ANSI A156.24) Directory of Certified Exit Devices

Specifications

Input Voltage: 24VDC (+/- 10%) Regulated and filtered.

Power Consumption

- Standard Device: 500 mA
- Device with Electric Trim Control: 1.5 Amp
- Mortise Device with "Safe" or "Secure" option: 1.5 Amp

Standard Features

Key Switch Operation:

- Normal: The system is armed by applying power to the device (solid Red LED). Depressing the pushpad for more than the nuisance delay time starts the exit delay cycle.
- Bypass: Turning the key switch clockwise to the bypass position allows immediate egress without alarming. The bar functions as a standard exit device. (Red LED flashes slow.)

- Reset/Delay: Used to reset device after the factory set 15 or optional 30 second delay cycle has timed out. If the device is armed, turning the key switch counterclockwise to the reset mode will release the device without alarm for egress and will rearm after 10 seconds. (Red LED flashes quickly.)
- Alarm Strength: 85 Db @ 10'.

Local Visual Status Indicator:

- RED: The exit device is secure and the delayed egress circuitry is energized.
- AMBER: The egress cycle has started, indicated by an irreversible local audible beeping tone.
- GREEN: Exit device is in alarm and has released.

Nuisance Delay Time:

Depressing for 3 seconds or less sounds an audible beep without activating the irreversible alarm sequence. (Immediate alarm can be selected by removing a jumper on the control board.)

Internal Alarm Siren:

When the exit device is armed, depressing the push pad initiates the internal 85db alarm siren.

Remote Control Inputs:

- Remote Reset: Accepts a momentary contact (keyswitch, pushbutton, etc.) to reset the unit during alarm or allows momentary egress (10 seconds) when the unit is armed.
- Remote Bypass: Accepts a momentary contact to put the unit in a maintained bypass operation. The exit device functions as a standard device.

Electrified Exit Devices

ED5000

Alarm Outputs:

Two sets of normally open and normally closed contacts. Contacts change only during alarm status. One set of contacts changes when device delay cycle has started (Alarm). One set of contacts changes when device has released (Secure).

Door Sign:

Door sign per code included.

How to Order

Specify "D" suffix after device.
Example: ED5200SD

Options

Bolt Position Monitor M91:

SPDT (Single Pole Double Throw) switch that monitors the position of the latchbolt or vertical rods. To order, specify M91.

Outside Trim Monitor M93:

Used when outside trim is desired to be used with an external door position switch (by others) input. This switch will allow Bypass (disarms device) when the trim is used for ingress. The device requires setting after entry by means of the keyswitch on the device or a remote switch. To order, specify M93.

Note: If an external DPS is not used, standard trim will allow entry without affecting the device in an armed mode. The device will only be affected when the touchbar is depressed.

Mortise Electric Trim Control SAF/SEC:

The mortise delayed egress exit device can be ordered with Fail Safe or Fail Secure outside trim operation. In a fire condition the Fail Safe trim will release for entry. When access control is used the Fail Secure trim allows entry by means of a remote card reader, keyswitch, pushbutton, etc. To order, specify SAF or SEC.

Note: The trim will open the door without affecting the device in an armed mode if a door position switch (by others) is not used.

30-Second Delay M88:

Device released after 30 seconds. The device will provide visual and audible indication that the delayed egress cycle has been activated. After the device has been released, the siren changes to a steady tone which continues until reset by keyswitch or remote inputs on the device. Required signage must indicate 30 seconds for release. To order, specify M88.

Note: 30 seconds may be accepted by local jurisdiction.

BOCA 15-Second Delay M89:

BOCA 30-Second Delay M90:

Upon pressing the touchpad for 3 seconds or more, the device will sound an audible beeping tone and release for egress after a total of 15 or 30 seconds, sounding the alarm. When the door is re-secured, the device will automatically rearm after 30 seconds. A door position switch (by others) is required for this option. Required signage must indicate 15 or 30 seconds for release. To order, specify M89 for BOCA 15 seconds or M90 for BOCA 30 seconds.

Note: BOCA option is not suitable for installations in accordance with NFPA 101.

Required Accessories

Power Supply:

A regulated and filtered power supply with a Fire Alarm interface is required.

1 Amp minimum @ 24VDC per device.

Special options will require more amperage. Consult factory.

To order, specify:

- BPS-24-1 – 1 Amp @ 24VDC power supply (controls 1 "D" device)
- BPS-24-2 – 1.5 Amp @ 24VDC power supply (controls 2 "D"s or 1 "D" with SAF or SEC options)

Power Transfer:

Allows the power to make the transition from frame to door without pinching or removal of insulation. Optional power transfer: EPTL – concealed transfer for up to and over 120° swing doors. To order specify Part No. 704F28. Consult catalog for additional recommended power supplies and accessories.

Trims

Utilizes heavy-duty and utility trims. See Trims and Functions, pages 20-25 and 30-35.

Cylinders

Utilizes a 1-1/8" mortise cylinder; A02 cam. Cylinder not included unless specified. See Quick Codes, page 53.

Warranty

Exit devices and heavy-duty trim carry a five-year limited warranty. Electronic components carry a two-year limited warranty.



EPTL
Power Transfer

Electrified Exit Devices

ED5000

M61 Exit Alarm



Activation

Alarm is armed by turning key clockwise. Low audible chirp indicates alarm has been activated. Alarm will sound when the exit device pushpad is depressed. Factory preset for standard alarm mode which automatically resets after 5 minutes.

Continuous Alarm Mode

Alarm sounds continuously when the exit device pushpad is depressed. Alarm must be manually reset by keyswitch. (This feature is selected by a switch on the circuit board.)

Low Battery Warning

Audible chirp. Every 30 seconds.

Warning Decal

"EMERGENCY EXIT-ALARM WILL SOUND" provided.

Nuisance Alarm

Units are factory preset for instant alarm. Selectable feature for alarm to sound when exit device touchbar is depressed for more than 2 seconds. (This feature is selected by a switch on the circuit board.)

Kit

Available in kit form for field retrofit except surface vertical rods. Order ED50AK.

Arming Delay/Authorized Egress

A 10-second delay (after arming) permits egress (by turning key clockwise).

Alarm Shunt

Ingress shunt alarm input for devices with signal & outside trim monitors (M91 & M93).

Power Requirements

One 9-volt battery (included).

Alarm Strength

90db @ 10 feet.

Arm/Disarm

Requires one 1-1/8" A02 cam mortise cylinder. Clockwise turn arms the alarm, counterclockwise turn disarms or silences the alarm. Low audible chirp indicates alarm has been activated.

Device Status

A Red LED indicator will illuminate every 30 seconds when the alarm is armed.

Tamper Resistant

Built-in safety monitor sounds alarm when tampering occurs.

Cylinders

Mortise 1-1/8" A02 Cam. Cylinder not included unless specified. See Quick Codes, page 53.

Door Width

Available for 36"-48" devices only. Not available with devices less than 36". 36" device can be cut to fit 34"-36" door. 48" device can be cut to fit 38-1/2"-48" door.

Quick Code

M61

Alarm Kit

ED50AK
ED50AK x W048 (48" devices) optional

Hard Wired Option

A hard wired option is available by using a 9VDC output power supply and a remote power harness. Specify 784 to order the 9VDC output power supply. See page 44 for 784 power supply information. Specify 709F989 to order the remote power harness for a 36" device and specify 709F999 to order the remote power harness for a 48" device.

Exceptions

The ED50AK for the ED5000 series exit devices cannot be retrofitted in the field to the ED5400/5470 series surface vertical rod exit devices.

The alarm option is available for the surface vertical rod devices by factory order only. To order, add the quick code suffix M61 to the device number; for example, ED5470 x M61.

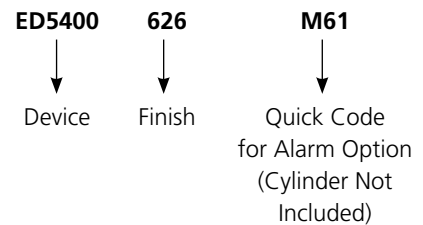
Please note, in accordance with Corbin Russwin's standard limited warranty, any attempt to retrofit the ED50AK to a

surface vertical rod exit device will void the warranties for these products.

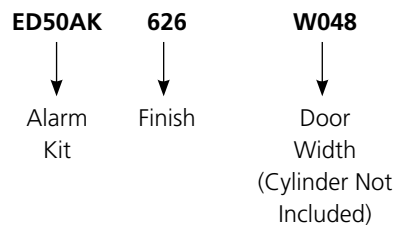
Surface vertical rod exit devices with alarm kit cannot be ordered with M91, M92 or M93.

How to Order

Ordering example for Exit Device



Ordering Example for Alarm Kit Only



NOTE: Dogging not available with M61 option and ED50AK alarm kit.

Electrified Exit Devices

ED5000

Electrically Controlled Heavy-Duty Trim

Electrically controlled trim provides electric locking and unlocking of the 900 Series heavy-duty lever trim. It easily retrofits into existing applications and is ideal for door control.

Advantages

- Available in Fail Safe or Fail Secure operation
- 24VAC/VDC
- Internal rectifier accepts AC or DC voltage
- Free Wheeling lever when locked
- Key override (specify cylinder)
- Plug connector with 4' wire lead (Exit device can be used as the wire raceway)

Applications

- ED5200(A) Rim
- ED5200S(A) SecureBolt®
- ED5400(A) Surface Vertical Rod
- ED5470(B) Surface Vertical Rod
- ED5800(A) CVR
- ED5860(B) CVR

Trim

Utilizes all 900 series trim lever designs including the Muséo® and Vineyard™ Collections

Electrical Specifications

- Solenoid: 330 mA @ 24 volts continuous duty
- Security Monitor Switch (M98): 4 AMP @ 250VAC

Door Thickness

1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Options

- M98 – Security Monitor. A SPDT switch that monitors the position of the solenoid (lock and unlock status).
- M99 – Trim gasket for exterior applications.

Cylinder

Cylinder not included unless specified. See Quick Codes, page 53.

How to Order

N9903 626 RHR M98, 6P

Hardwiring Made Easy®



Electrically Controlled Heavy-Duty Trim

Electrified Exit Devices

ED5000

Functions

Fail Safe

The x9903 trim is locked when power is on and unlocked when power is off.

	Function Description
x9903 (Fail Safe)	<ul style="list-style-type: none"> Lever is locked when power is on (Free Wheeling)
	<ul style="list-style-type: none"> Power off allows entry from trim
	<ul style="list-style-type: none"> Inside device is always active for egress
	<ul style="list-style-type: none"> Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

Fail Secure

The x9905 trim is locked when power is off and unlocked when power is on.

	Function Description
x9905 (Fail Secure)	<ul style="list-style-type: none"> Lever is locked when power is off (Free Wheeling)
	<ul style="list-style-type: none"> Power on allows lever activation for entry
	<ul style="list-style-type: none"> Inside device is always active for egress
	<ul style="list-style-type: none"> Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

x = Lever trim design - Standard, Vineyard™ and Muséo®

Electrified Exit Devices

ED5000

782 Controller

Operation

Designed to control one or two electric latch pullback M94 exit devices. Equipped with two 20-second timers which can operate the exit devices together or independently. Requires a momentary or timed, dry contact input and can be interfaced with access control systems, automatic door operators, "blow open" type scenarios and has provisions for N/C fire alarm systems.

Features

- 2 control inputs. Accepts normally closed dry contacts for device activation from a key switch, push button, access control or fire alarm system.
- 2 normally open control outputs for automatic door operators
- 2 M94 device outputs
- Fire Alarm Interface input
- 24VDC output for audible or LEDs
.25 AMP

Wiring

Up to 40 feet: 16 AWG wire
Up to 60 feet: 14 AWG wire
Up to 100 feet: 12 AWG wire

Electrical Specifications

- 120VAC 60 Hz 750mA (Max)
- 9 Amp inrush for 100 milliseconds

Listings

UL294
UL Class 2 Outputs

Note: The 782 is the only power source to be used with the M94 option. Using any other power supply will void the warranty and cause possible damage to the exit device.

Ordering

782 Controller

EPTL

Concealed power transfer for over 120° swing doors. Installs in door and frame edges. Supports wires up to .25" (6mm) thick, and works with doors hung with butt hinges, continuous hinges and pivots. To order, specify Part No. 704F288.

782 Controller



EPTL

Monitors - M91, M92, M93

Operation

Monitors are used to indicate the authorized and unauthorized use of an opening or to signal and control other opening hardware, such as magnetic locks. Each monitoring device is equipped with one internal single-pole double-throw (SPDT) switch per monitor.

Bolt Position Monitoring - M91

Provides indication of the position of the latch bolt. Used with security systems to monitor the latch bolt; also used to activate automatic door operators upon latch retraction.

Application

See chart on page 36.

Listings

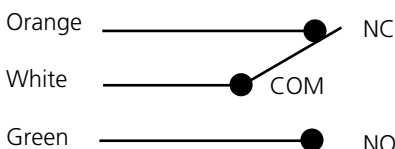
UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

5 Amps @ 28VDC SPDT contacts

Ordering

Specify Quick Code M91.



Touchbar Monitoring - M92 Request to Exit - REX

Provides indication of the pushpad being depressed. Used as a request to exit to shunt alarm systems, release electromagnetic locks or monitor egress.

Application

See chart on page 36.

Listings

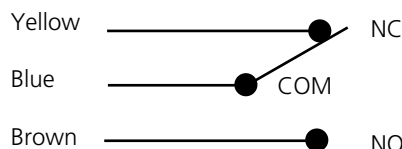
UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

4 Amps @ 250 VAC contacts

Ordering

Specify Quick Code M92.



Outside Monitoring or Signaling - M93

Provides indication of the device being operated from the outside. Used as a request to enter signal switch to shunt alarms; also used to monitor entry.

Application

See chart on page 36.

Listings

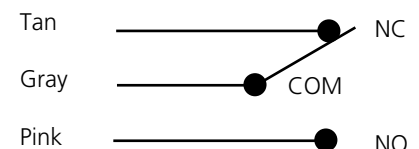
UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

5 Amps @ 28VDC SPDT contacts

Ordering

Specify Quick Code M93.



Electrified Options & Accessories

ED5000

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. Recommended for the SAF, SEC, M97, delayed egress exit devices and electric trim.

Features

- Individual output circuit breakers
- Regulated and filtered fuse protected outputs
- LEDs monitor zone status (voltage or no voltage)
- Slide switches connect or disconnect load from power (Not available on 1 Amp supplies)
- Internal Back-Up battery charging circuit
- Rugged steel enclosure
- Fire alarm interface

Electrical Specifications

- Inputs: 120VAC
- Outputs: 12/24 VDC @ 1 Amp, 2 Amp or 4 Amp, Filtered and regulated outputs

Listings

- UL-cUL CLASS 2
 - Signal Appliances
 - Access Control System Units
 - Special Locking Arrangements - Component
- CE

Applications

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

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)	120VAC	1.0 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	120VAC	2.0 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	120VAC	4.0 Amp @ 24 VDC
BPS-12-1	12" (304mm) x 9" (229mm) x 4" (102mm)	120VAC	1 amp @ 12 VDC
BPS-12-3	14" (356mm) x 14" (356mm) x 4" (102mm)	120VAC	3 amp @ 12 VDC

784 Power Supply

Features

- Provides a filtered and regulated 9 VDC remote power
- Requires raceway through the door*
- Optional 12 VDC gel cell battery. Provides continuous operation of in the event of a power failure. To order, specify 793F089.

Includes:

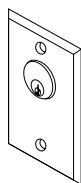
- Plug-In Wall Transformer with approximately 12' (3.6m) of shielded wire that provides input power to the power supply
- Includes 12' (3.6m) of shielded wire for connection between power transfer and power supply
- To order separately, specify 793F039

*Recommended for new opening. Retrofit application may require surface mounted wire mold and transfer loop by others.



Exit Controls and Switches

Key Switches



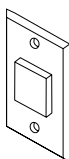
MKA

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.

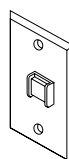
Specifications

- 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



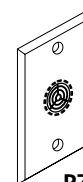
PB3

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

Audible/Visual Annunciators



PZ1

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

Digital Entry

DK-12 - 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

Electrified Applications

ED5000

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. 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

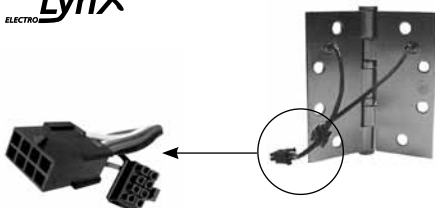
To connect an electrified ED5000 series exit device to the electronic access control system, the following items are required:

- Electrified ED5000 series exit device
- 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)

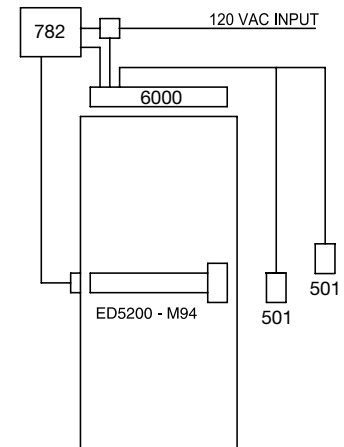
Information regarding cable selection, hinge requirements and order strings can be found in the McKinney Transfer Device Solutions catalog. Consult 800-810-WIRE (9473) with questions on application specifications and requirements.

The McKinney QC8 *ElectroLynx* Hinge is recommended for the 9903 function, the 9905 function and all options with the exception of M61 and M93. The McKinney QC12 *ElectroLynx* Hinge is recommended for the M61 and M93 options.

Hardwiring Made Easy®



Latch Pullback - M94 Option



Components

ED5200 x M94 Latch Retraction Exit Device - Corbin Russwin
782 Controller - Corbin Russwin
6000 Operator - Norton
501 Push Pads - Norton
Power Transfer Hinge

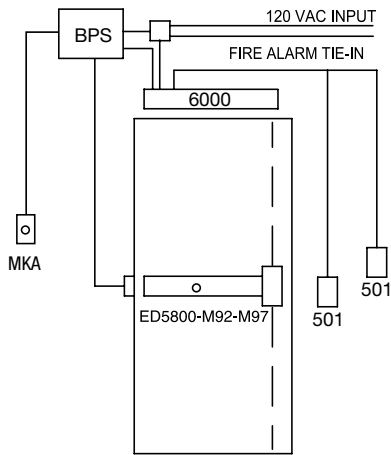
Operation

Operation of Push Pads from either side of door will activate the 782 Controller for the Latch Retraction Exit Device. An internal timer on the 6000 will also provide length of time door is open and latch being retracted. Door operator also acts like standard closer when opened manually.

Electrified Applications

ED5000

Electric Dogging & Touchbar Monitoring Switch - M97 & M92



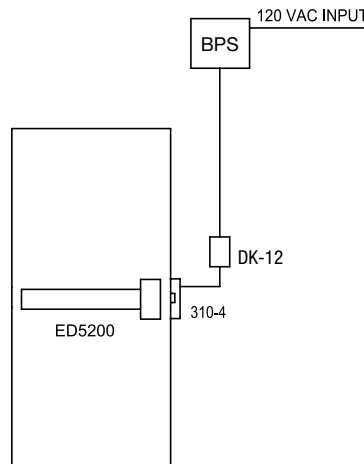
Components

ED5800 x M92 x M97 with Cyl. + Bar Monitor & Elect. Dogging - Corbin Russwin
6000 Operator - Norton
501 Push Pads - Norton
Power Transfer Hinge
BPS Power Supply - Corbin Russwin
Key Switch - Corbin Russwin

Operation

Operation of Electric Dogging combined with the Door Monitor Switch will enable Push Pads for operation of the 6000. A maintained keyswitch will control the activation of the electric dogging which is powered by the Power supply. A Fire Alarm Tie-In, if required, will release the dogging and let the operator work in manual mode when activated. (NOTE: Electric Dogging is not automatic like Latch Retraction. It requires the bar to be pushed in manually the first time after applying power.)

Rim Device with Electric Strike



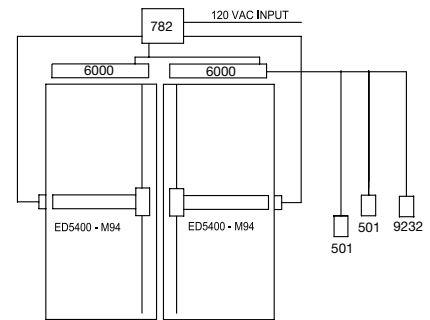
Components

ED5200 Exit Device - Corbin Russwin
Digital Keypad
310-4 Electric Strike
Power Supply - Corbin Russwin

Operation

Operation of DK-12 Digital Keypad will allow keyless entry from the non-protected side of opening. Free exit using the exit device from the protected side of the door.

Latch Pullback - M94 Option with Norton® 6000 Door Operator



Components

ED5400 x M94 Latch Retraction Exit Device - Corbin Russwin
782 Controller - Corbin Russwin
6000 Operator - Norton
501 Push Pads - Norton
Power Transfer Hinge
Keyswitch - Corbin Russwin

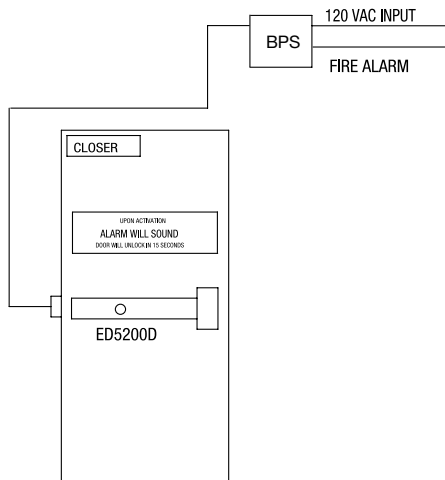
Operation

Activation and operation of Push Pads from either side of door will be controlled by the Maintained Keyswitch. The Push Pads will in turn activate the 782 Controller for the Latch Retraction Exit Device. An internal timer on the 6000 will coordinate and prevent the door from being opened before latch retraction takes place. Standard timers on the 6000 will also provide length of time door is open and latch being retracted. Door operator also acts like standard closer when opened manually.

Electrified Applications

ED5000

Rim Exit Device with Delayed Egress Option on "Exit Only" Door



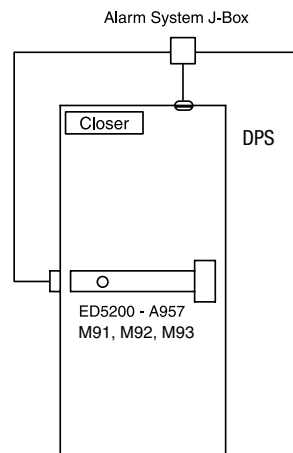
Components

ED5200D - Delayed Egress Exit Device - Corbin Russwin
Power Transfer Hinge
BPS Power Supply - Corbin Russwin
Surface Door Closer - Corbin Russwin

Operation

Operation of the ED5200 D Exit Device will sound an alarm and activate either a 15- or 30-second alarm sequence inside of the exit device. After this time period, the device will release the push bar, making it active, and egress is possible. When the fire alarm is activated, power to the exit device will be interrupted, allowing free egress and mechanical latching. Authorized alarm bypass and reset is done through the built-in keyswitch located in the exit device.

Rim Exit Device - High-Security Application M91, M92 and M93 Monitoring Switch Options With Door Position Switch



Components

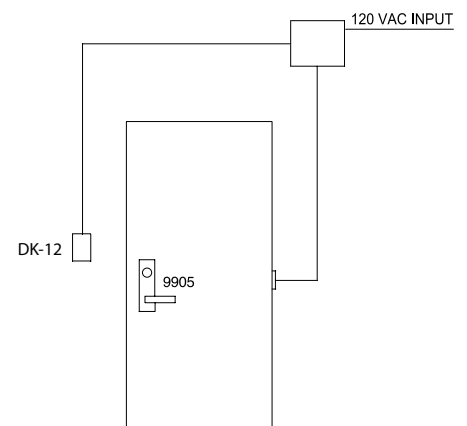
ED5200 - A957 Nightlatch Trim - Corbin Russwin
M91 Bolt Monitor Switch
M92 Touchbar Monitor Switch
M93 Trim Monitor Switch
Door Position Switch
Power Transfer Hinge
Surface Door Closer - Corbin Russwin

Operation

Operation of the ED5200 Exit Device with the M91, M92, M93 and a door position switch can be used together or individually to sound an alarm, shunt an alarm, monitor the door's security or as a "Request to Exit" in conjunction with a magnetic lock.

Electric Trim

Rim Exit Device with Electrified Trim



Components

9905 Electrified Trim - Corbin Russwin
ED5200 Rim Exit Device - Corbin Russwin
DK-12 Digital Keypad by Corbin Russwin
Electrified Hinge
BPS-24-1 Power Supply - Corbin Russwin

Operation

Operation of the 917 Digital Keypad will allow keyless entry from the non-protected side of the opening. When a valid code is entered into the keypad, voltage will be applied to the trim, making the lever active and allowing ingress. Free exit is allowed by using the exit device from the protected side of the door.

Mullions and Surface Bolt Kit

ED5000



Mullions

Used to install two Rim Exit Devices in a double door opening. May be quickly and easily removed when a full double door opening is temporarily required.

Materials and Finish

Steel mullions, 2" x 3" with malleable iron top and bottom retainers; furnished with zinc-plated fasteners for metal frames and concrete floors. May be cut, drilled and tapped in the field for Rim Exit Devices. Mullion and Mullion retainers are prime coat red paint.

Options

Spacer Block

Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing and also for door frames 5-3/4" (176mm) or less. To order with a mullion, specify M95. To order separately, specify Part No 744F328.

Angle Bracket

Recommended for any header configuration with less than 3" (76mm) of mounting surface. To order with a mullion, specify M96. To order separately, specify Part No 655F63-8.

Mullion Stabilizer Kit

Controls the movement of the mullion. Recommended for openings over 7' high, or whenever door movement must be minimized. To order with mullion, specify M57. To order separately, specify Part No. 653F11-1 x 628 (aluminum).

Surface Bolt Kit

Designed for severe windload (Hurricane Code) environments where surface bolts are required (e.g., on inactive doors). To order separately, specify Part No 988CR.



How to Order

Removable Mullions

Door Height	Description	Specify Quick Code
Up to 7'0"	Steel Mullion - Panic Rated	907
Up to 8'0"	Steel Mullion - Panic Rated	908
Up to 10'0" (ED5200, ED5200S only)	Steel Mullion - Panic Rated	910
Up to 7'0"	Steel Mullion - 3 Hour Fire Rated	907A
Up to 8'0"	Steel Mullion - 3 Hour Fire Rated	908A
Up to 7'0"	Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	FE707A ¹
Up to 8'0"	Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	FE708A ¹

Key Removable Mullions

Door Height	Description	Specify Quick Code
Up to 7'0"	Steel Mullion - 1-1/2 Hour Fire Rated	907BKM ²
Up to 8'0"	Steel Mullion - 1-1/2 Hour Fire Rated	908BKM ²
Up to 10'0" (ED5200, ED5200S only)	Steel Mullion - Panic Rated	910KM ²
Up to 7'0"	Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	WS707AKM ²
Up to 8'0"	Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	WS708AKM ²

Notes:

- For use with UL listed door assemblies that comply to FEMA 361 and FEMA 320 guidelines. For the latest listings on compliant door assemblies visit our website at corbinrusswin.com
- Cylinder and collars not included, specify separately. See page 53.

Parts - Key Removable Mullion

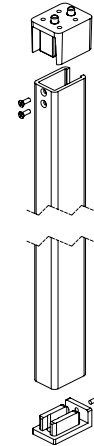
Top Retainer and Screw Packet and Bottom Retainer and Screw Packet

Mullion Series	Top Retainer and Screw Packet	Bottom Retainer and Screw Packet	Locking Mechanism Packet
907BKM 908BKM 910KM	713F948	713F988	744F258
WS707AKM WS708AKM	713F958	713F908	744F208

Parts - Removable Mullion

Top Retainer and Screw Packet and Bottom Retainer and Screw Packet

Mullion Series	Top Retainer and Screw Packet	Bottom Retainer and Screw Packet
907 908 910 907A 908A	713F518	713F528
FE707A FE708A	713F938	713F998



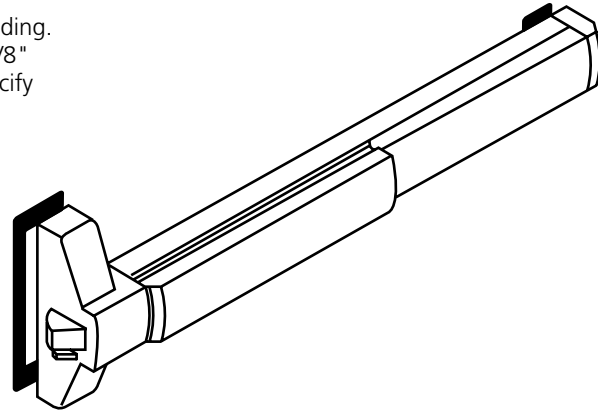
Options & Accessories

ED5000

Shim Kits

Designed for mounting an exit device over raised vision light molding. Each kit contains two sets of 1/8" thick shims to shim a device 1/8" (3mm) or 1/4" (6mm). Black finish. To order with exit device, specify M58. To order separately, specify Part No.

Exit Device Type	Shim Kit Part No.
ED5200 (A)	697F33-8
ED5200S(A)	
ED5600 (A)	
ED5800 (A)	
ED5860(B)	
ED5400 (A)	697F34-8
ED5470(B)	



Cylinder Dogging

To order Cylinder Dogging with exit device, specify M52. Cylinder not included unless specified. Cylinder dogging not available for fire-rated devices. See Quick Codes, page 53.

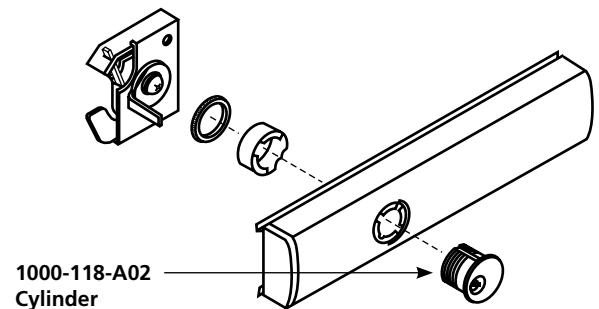
Cylinder Dogging Kit

Designed to convert a panic device from hex key dogging to cylinder dogging. To order Cylinder Dogging Kit, specify Part Number x Finish below. Cylinder not included.

Surface and Concealed Vertical Rod Extension Kits

Used to extend the height of standard length rods supplied with vertical rod exit devices. Available in 2", 6" and 12" sizes. To order with exit device, see Quick Codes, page 53. To order separately, specify Part No. x Finish.

Rod Extension	Rod Extension Kit Part No.
2" (50mm)	655F15 x Finish
6" (152mm)	655F16 x Finish
12" (305mm)	655F17 x Finish
24" (610mm)	684F42 x Finish

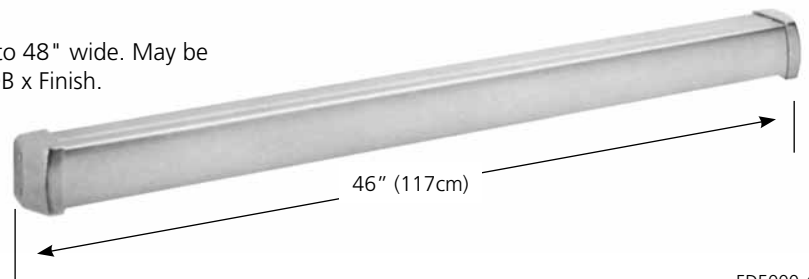


Bar Length	Cylinder Dogging Kit Part No.
Standard (W036)	653F12 x Finish
W048	653F14 x Finish

Note: Cylinder dogging not available for fire-rated devices.

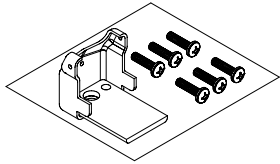
ED5000DB Inactive Bar

Non-operating dummy pushpad available for doors up to 48" wide. May be field cut for narrower doors. To order, specify ED5000DB x Finish.



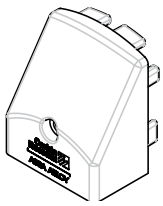
Options & Accessories

ED5000



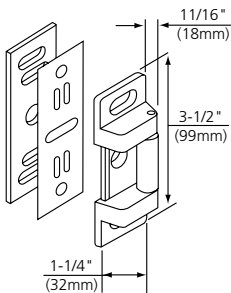
End Cap Reinforcement**

A solid steel plate, welded to the end bracket, evenly distributes impact forces over a larger surface area, eliminating point loading. To order with an exit device, specify M109. To order separately specify 705F09 x finish.



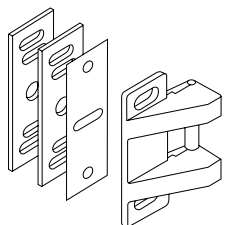
Flush End Cap

Durable heavy-duty cast steel or stainless steel, sits flush on the exit device rail and has a low profile which eliminates catch points. To order with a device, specify M110. To order separately specify 710F00M x finish.



SecureBolt® and Fire-Rated Rim Strike and Rim Strike

ED5200S, ED5200SA and ED5200A devices. Supplied with locking plate and two 1/16" (1.6mm) shims. For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door. 3-1/2" x 1-1/4" (89mm x 32mm). Black finish only. To order separately specify 650F30-8 ED5200(A) or 730F77-8 ED5200S(A).

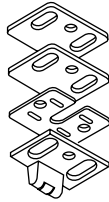


Rim x Vertical Rod Strike

Required for ED5200 and ED5200S devices when used on pair of doors with vertical rod devices. Black finish only. To order with device, specify S02. To order separately, specify 655F71-8.

Surface and Concealed Vertical Rod Strikes

(Screws Included)



Top Strike

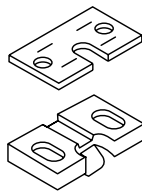
Standard on ED5400(A) and ED5800(A) devices. Supplied with two 1/16" (1.6mm) shims and one 1/16" (1.6mm) locking plate. Adjustable to compensate for shrinkage and swelling of door. 1-9/16" x 15/16" (40mm x 24mm). Black finish only. To order separately, specify 650F54-8.



Bottom Strike

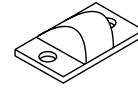
Standard on ED5400(A) and ED5800(A) devices. 1-1/16" (27mm) diameter x 1/16" (1.6mm) lip x 11/16" (17mm) high. Black finish only.

Both top and bottom strikes are included in the vertical rod parts packet. To order parts packet, specify 650F57-8.



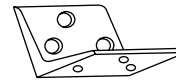
Top Strike

Standard for ED5470 and ED5470B devices. Supplied with one 1/16" (27mm) shim. Adjustable to compensate for shrinkage and swelling of door. 2" x 1" (51mm x 25mm). Black finish only. Top strike is included in SVR parts packet. To order parts packet, specify 654F158 (M55) or 697F978. To order strike separately, specify 681F70-8.



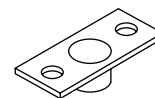
Top Strike

Standard for ED5860 and ED5860B devices. Recessed strike. 2" x 1-5/8" (51mm x 41mm). Black finish only. Top strike is included in CVR parts packet. To order parts packet, specify 698F058 or 698F048 (M55). To order separately, specify 681F77-8.



Flush Transom Top Strike Bracket

Optional for use with ED5400 and ED5400A devices. Used to mount top strike on openings with flush transom. 2-1/2" x 1-5/8" (64mm x 41mm). Black finish only. To order with exit device, specify M67. To order separately, specify 650F87-8.

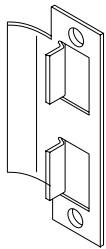


Bottom Strike for 1/2" Thresholds

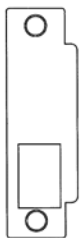
Recommended for use with vertical rod devices. Required in fire-rated openings with 1/2" (13mm) threshold or for flush mount. 2-5/8" x 1-1/16" (67mm x 27mm). Black finish only. To order with exit device, specify S09. To order separately, specify 650F88-8.

**Note: Six 1/4 x 20 screws come standard with either M109 option or 705F09 kit. Only two screws required to fasten end cap assembly to door for retrofit. Other four screws are used with SecureBolt® Latch Head if ordered as an M109 option with complete device. When the kit is ordered a new end cap is also supplied.

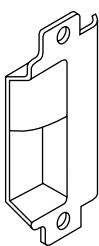
Mortise Strikes



Mortise Strike
Standard on ED5600 and ED5600A. Non-handed, ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/4" (124mm x 32mm x 32mm) lip to center. Black finish. To order separately, specify 650L657020.

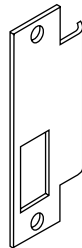


Mortise Strike for Pairs of Doors with Astragal
Optional for use with ED5600 and ED5600A devices where an astragal is to be installed. Non-handed, ANSI straight lip, 4-7/8" x 1-1/4" x 7/8" (124mm x 32mm x 22mm) lip to center. Black finish. To order with exit device, specify SS078. To order separately, specify 653L157014.



Open Back Strike
Optional for use with ED5600 x vertical rod devices on a pair of doors. Non-handed, 4-7/8" x 1-1/4" (124mm x 32mm). Black finish. To order with exit device, specify SB134 for 1-3/4" doors, SB214 for 2-1/4" doors. To order separately, specify Part No.

Door Thickness	Type	Part No.
1-3/4" (44mm)	Curved lip	653L183016
	Straight lip	653L163016
2-1/4" (57mm)	Curved lip	653L183020
	Straight lip	653L163020



Mortise Strike
Standard on ED5600 and ED5600A devices on 2" (51mm) (D200) and 2-1/4" (57mm) (D214) thick doors. Handed ANSI curved lip, 4-7/8" x 1-1/4" x 1-1/2" (124mm x 32mm x 38mm) lip to center. Black finish. To order separately, specify 656L677024 for LHR doors, 656L687024 for RHR doors.

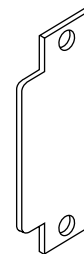


ANSI Wrought Strike Box
Optional for use with ED5600 and ED5600A devices. To order with exit device, specify M17. To order separately, specify 120F76-8.

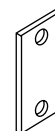
Filler Plates



Optional for use on stock metal doors when required. To order, specify 334F99-8 600.



Optional for use on stock metal doors when required. To order, specify 236L708018 x Fin.



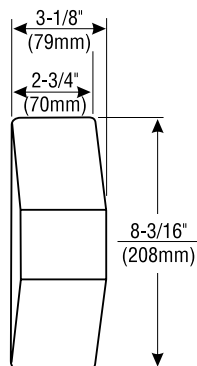
Optional for use on stock metal doors when required. To order, specify 077F19-8 600.

Facts & Figures

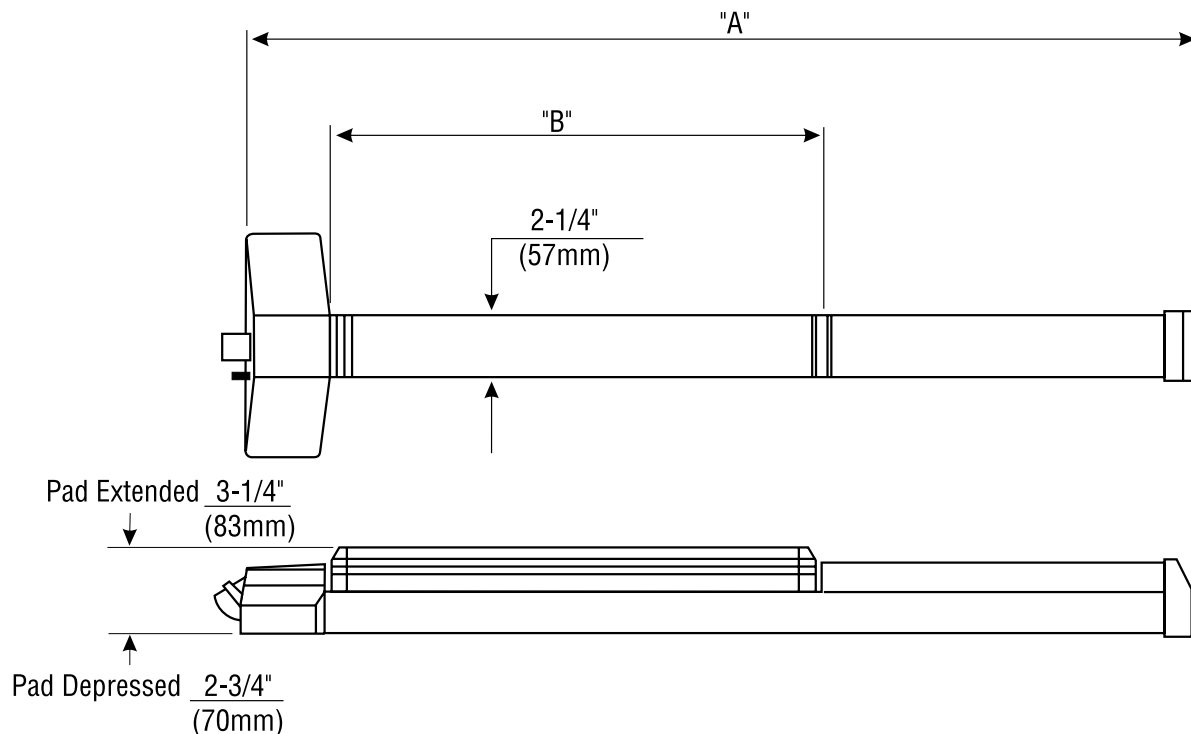
ED5000

ED5000 Series (all variables)

Series	"A"	"B"
ED5000 ED5000A	32-7/8" (835mm)	18" (457mm)
ED5000 x W048 ED5000A x W048	44-7/8" (1140mm)	24" (610mm)
ED5000 x W024 ED5000A x W024	20-7/8" (530mm)	12" (305mm)

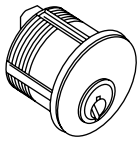


Cover Detail



700 Series KRM* & Cylinder Dogging

Mortise cylinders

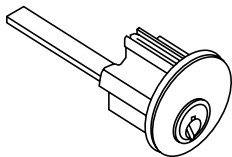


Description	Part Number	Cylinder Dogging Collars	Key Removable Mullions*	
			Part Number	Cylinder Ring
6-pin	1000-118-A02	N/A	1000-118-A02	None Required
7-pin	1000-114-A02-7	270F15	1000-114-A02-7	None Required
6-pin, IC	1080-114-A02	270F15	1080-114-A02	None Required
7-pin, IC	1080-112-A02-7	654F07	1080-112-A02-7	447F42
6-pin, IC, less core	1070-114-A02	270F07	1070-114-A02	None Required
7-pin, IC, less core	1070-112-A02-7	654F07	1070-112-A02-7	447F42
6-pin, Security	1010-118-A02	N/A	1010-118-A02	None Required
6-pin, Security IC	1090-114-A02	270F15	1090-114-A02	None Required
7-pin, Pyramid Security	1027-114-A02	270F15	1027-114-A02	None Required
7-pin, Pyramid Security IC	1037-114-A02	270F15	1037-114-A02	None Required
7-pin, Pyramid High Security	1020-114-A02	270F15	1020-114-A02	None Required
7-pin, Pyramid IC High Security	1030-114-A02	270F15	1030-114-A02	None Required

*The 700 series key removable mullion was discontinued on January 1, 2010. The cylinders and cylinder rings are listed for reference only.

900 Series Trim

Rim cylinders



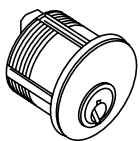
Description	Part Number	Cylinder Ring	57 Function Part Number	Cylinder Ring**
6-pin	3000-058	None Required	3000-200N*	None Required
7-pin	3000-058-7	422F88	3000-200-7	422F88
6-pin, IC	3080-058	422F88	3080-178	422F88
7-pin, IC	3080-058-7	686F98	3080-178-7	686F98
6-pin, IC, less core	3070-058	422F88	3070-178	422F88
7-pin, IC, less core	3070-058-7	686F98	3070-178-7	686F98
6-pin, Security	3010-058	None Required	3010-200	422F88
6-pin, Security IC	3090-058	422F88	3090-178	422F88
7-pin, Pyramid	3020-058	422F88	3020-200N	422F88
7-pin, Pyramid IC	3030-058	422F88	3030-178	422F88
7-pin, Pyramid Security	3027-058	422F88	3027-200N	422F88
7-pin, Pyramid Security	3037-058	422F88	3037-178	422F88

*For K157, substitute -200

**K157 uses the 270F15 cylinder ring

900 Series Mortise Trim

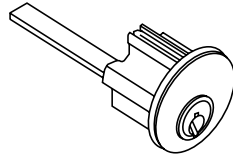
Mortise cylinders



Description	Part Number	Cylinder Ring
6-pin	1000-112-A02	None Required
7-pin	1000-112-A02-7	None Required
6-pin, IC	1080-112-A02	None Required
7-pin, IC	1080-112-A02-7	None Required
6-pin, IC, less core	1070-112-A02	None Required
7-pin, IC, less core	1070-112-A02-7	None Required
6-pin, Security	1010-112-A02	None Required
6-pin, Security IC	1090-112-A02	None Required
7-pin, Pyramid High Security	1020-112-A02	None Required
7-pin, Pyramid IC High Security	1030-112-A02	None Required
7-pin, Pyramid Security	1027-112-A02	None Required
7-pin, Pyramid Security IC	1037-112-A02	None Required

Cylinders

ED5000

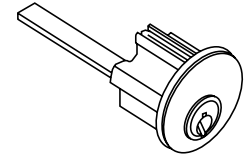


ED5602 Double Cylinder Exit Device
Rim cylinders

Inside Cylinder For ED5602 Double Cylinder Exit Device

Rim cylinders

Description	Part Number	Cylinder Ring
6-pin	3000-200	270F15
7-pin	3000-200-7	654F07
6-pin, IC	3080-178	654F07
7-pin, IC	3080-178-7	654F08
6-pin, IC, less core	3070-178	654F07
7-pin, IC, less core	3070-178-7	654F08
6-pin, Security	3010-200	654F07
6-pin, Security IC	3090-178	654F07
7-pin, Pyramid	3020-200	654F07
7-pin, Pyramid IC	3030-178	654F07
7-pin, Pyramid Security	3027-200	654F07
7-pin, Pyramid Security	3037-178	654F07

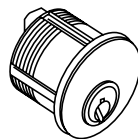


ED5202 Double Cylinder Exit Device
Rim cylinders

ED5202 Double Cylinder Exit Device

Rim cylinders

Description	Part Number	Cylinder Ring
6-pin	3000-138	270F15
7-pin	3000-138-7	654F07
6-pin, IC	3080-114	654F07
7-pin, IC	3080-114-7	654F08
6-pin, IC, less core	3070-114	654F07
7-pin, IC, less core	3070-114-7	654F08
6-pin, Security	3010-138	654F07
6-pin, Security IC	3090-114	654F07
7-pin, Pyramid	3020-138	654F07
7-pin, Pyramid IC	3030-114	654F07
7-pin, Pyramid Security	3027-138	654F07
7-pin, Pyramid Security	3037-114	654F07

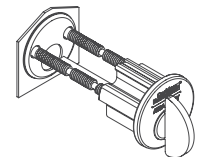


900 Series KRM
Mortise cylinders

900 Series KRM

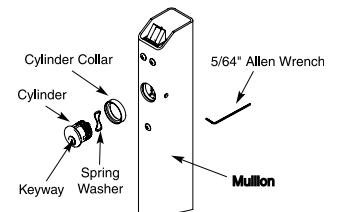
Mortise cylinders

Description	Part Number
6-Pin	1000-118-A62
7-Pin	1000-114-A62-7
6-Pin, IC	1080-114-A62
7-Pin, IC	1080-112-A62-7
7-pin, Pyramid High Security	1020-114-A62
7-pin, Pyramid Security	1027-114-A62
7-pin, Pyramid High Security IC	1030-114-A62
7-pin, Pyramid Security IC	1037-114-A62
Security	1010-118-A62
Security IC	1090-114-A62
6-pin, IC, less core	1070-114-A62
7-pin, IC, less core	1070-112-A62-7



Rim Thumbturn

Description	Part Number
Rim Thumbturn - 1-3/8"	3300 -138
Rim Thumbturn - 1-3/8" - Ergonomic	3300-138-M34
Rim Thumbturn - 2"	3300-200
Rim Thumbturn - 2" - Ergonomic	3300-200-M34



900 Series KRM Cylinder Collar Packet

Mullion Series	Cylinder Length and Type			
	1-1/8"	1-1/4"	1-1/4" IC	1-1/2" IC
WS707AKM WS708AKM	447F42*	610F01*	610F01*	609F36*
907BKM 908BKM 910KM	610F01*	447F43*	610F01*	609F37*

Note: Cylinder collar packets contain a collar and spring washer.
*Specify finish when ordering packets.

Cylinder and Keying

Description	Specify
Less cylinder(s)	(standard)
Conventional 6-pin	6P
Conventional 7-pin	7P
Security	HS
Security interchangeable core (IC)	CHS
IC 6-pin	C6
IC 6-pin with temporary construction core (Red)	CT6R
IC 6-pin with temporary construction core (Blue)	CT6B
IC 6-pin with temporary construction core (Green)	CT6G
IC 6-pin with temporary construction core	CT6
IC 6-Pin with temporary disposable core	CT6D
IC 6-pin less core	CL6
SFIC 6-pin with less core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin (rim only)	C7
IC 7-pin with temporary construction core (Red)	CT7R
IC 7-pin with temporary construction core (Blue)	CT7B
IC 7-pin with temporary construction core (Green)	CT7G
IC 7-pin with temporary construction core	CT7
IC 7-Pin with temporary disposable core	CT7D
IC 7-pin less core (rim only)	CL7
SFIC 7-pin with less core	CLS7
SFIC 7-pin with SFIC disposable temporary core ₃	CT7SD
Pyramid Security fixed core	PS
Pyramid Security IC	PCS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid with temporary construction core	CTP
Pyramid less core	CLP
Blockout function	BO
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK

Cylinder and Keying (cont)

Description	Specify
Visual key control (VKC)	
No keying data stamped on key or cylinder	VKC0
Keys only	VKC1
Cylinders and keys (not for HS or CHS)	VKC2
Cylinders only (not for HS or CHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only	CKC3
2 keys per cylinder	(standard with cylinder)
Other than 2 keys	KY# (e.g., KY6)

Strikes

Description	Specify
Rim x vertical rod on pairs of doors	S02
Surface and concealed vertical rod Bottom strike for 1/2" thresholds or flush mount	S09
Mortise ANSI strike for pairs of doors with astragal	SS078
Open back strike for 1-3/4" doors	SB134
Open back strike for 2-1/4" doors	SB214

Door Height

Door Height	Specify
ED5400(A) and ED5470(B) devices	
7'0"	(standard)
7'2"	H0702
7'6"	H0706
8'0"	H0800
ED5800(A) devices	
8'0"	(standard)
ED5470(B), ED5860(B) devices only	
9'0"	H0900
10'0"	H1000

Door Width

Door Width	Specify
24" (610mm)	W024
36" (914mm)	(standard)
48" (1219mm)	W048

Quick Codes

ED5000

Door Thickness

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

Finish

Description		Specify
US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US10B	Dark Oxidized Satin Bronze, oil rubbed	613
US14	Bright Nickel Plated	618
US15	Satin Nickel Plated	619
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626
	Satin Chromium Plated with MicroShield® 	626C
US32	Bright Stainless Steel	629
US32D	Stain Stainless Steel	630
	Stain Stainless Steel with MicroShield® 	630C
—	Black oxidized bronze, oil rubbed	722

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Miscellaneous Options

Description	Specify
Torx® head screws	M04
ANSI wrought strike box (mortise)	M17
Knurling outside and inside (embossed touchbar - device side) ¹	M20
Knurling outside only (trim side) ¹	M21
Knurling inside only (embossed touchbar - device side)	M22
Abrasive coat outside and inside (trim and device)	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)	M25
24", 36" and 48" PathLite™ Photoluminescent Touchbar Cover	M49
Less dogging	M51
Cylinder dogging	M52
Sex nuts and bolts (SNBs)	M54
Less bottom vertical rod (ED5470(B)/ED5860(B) Only)	M55
Narrow Stile Cover	M56
Mullion stabilizer	M57
Shim kit (for vision light)	M58
Parabolic escutcheon	M60
Wood screws for use on fire-rated solid wood or wood core doors	M64
Flush transom top strike bracket (ED5400 and ED5400A only)	M67
Door frame filler block for double rabbeted frames	M95
Door frame angle bracket for aluminum frames	M96
Windstorm Certified products for ED5200S(A) and ED5470(B) Only ^{2, 3, 4, 5}	M107
High Impact End Clamp	M109
Flush End Cap	M110

Notes:

1. Not available with VT9, VTL9, VT9M and VTL9M trim.
2. ED5200S(A) x M107 requires through bolts.
3. ED5470(B) maximum opening height is 8'0".
4. Contact Ceco, Curries® or Fleming for detailed frame/door requirements and limitations.
5. Not available with electric dogging (M97).

Key Removable Mullions

Description	Specify
Up to 7'0" Steel Mullion - 1-1/2 Hour Fire Rated	907BKM ¹
Up to 8'0" Steel Mullion - 1-1/2 Hour Fire Rated	908BKM ¹
Up to 10'0" (ED5200, ED5200S only) Steel Mullion - Panic Rated	910KM ¹
Up to 7'0" Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	WS707AKM ¹
Up to 8'0" Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	WS708AKM ¹

Note:

1. For use with UL listed door assemblies that comply to FEMA 361 and FEMA 320 guidelines. For the latest listings on compliant door assemblies visit our website at corbinrusswin.com

Removable Mullions

Description	Specify
Up to 7'0" Steel Mullion - Panic Rated	907
Up to 8'0" Steel Mullion - Panic Rated	908
Up to 10'0" (ED5200, ED5200S only) Steel Mullion - Panic Rated	910
Up to 7'0" Steel Mullion - 3 Hour Fire Rated	907A
Up to 8'0" Steel Mullion - 3 Hour Fire Rated	908A
Up to 7'0" Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	FE707A ¹
Up to 8'0" Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	FE708A ¹

Note:

1. Cylinder and collars not included, specify separately. See page 53.

Electrified Options for Exit Devices

Description	Specify
Exit Alarm Device (cylinder not included)	M61
Bolt Position Monitoring	M91
Request to Exit/Touchbar Monitoring or Signaling	M92
Outside Trim Monitoring or Signaling	M93
Electric Latch Pullback	M94
Electric Dogging	M97
Mortise Device Lock with Outside Trim Control (Fail Safe)	SAF*
Mortise Device Lock with Outside Trim Control (Fail Secure)	SEC*
Delayed Egress (15 second delay standard)	D
30 second delay (may be accepted by local jurisdiction) (with "D" option only)	M88
BOCA 15-second delay (with "D" option only)	M89
BOCA 30-second delay (with "D" option only)	M90
Security Monitor	M98 [^]
Trim Gasket	M99

*Only available with ED5600L and 5600(A)L
[^]9903/9905 trims only.

Electrified Accessories

Description	Part Number
Controller (Required for Electric Latch Pullback(M94))	782
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 Amp @ 24 VDC Output	BPS-24-1
Power Supply 2 Amp @ 24 VDC Output	BPS-24-2
Power Supply 4 Amp @ 24 VDC Output	BPS-24-4
SPDT Maintained Switch	MKA
SPDT Momentary Switch	MK
SPDT Momentary NS Switch	MKN
DPDT Momentary Switch	MK2
DPST Maintained (Al. Action) Switch	PB3EA
Sonalert 90lbs. @ 2 ft. 12-24VDC mounted on one gang stainless steel plate	PZ1
Alarm Kit (cylinder is not included)*	ED50AK
Concealed transfer for over 120° swing doors	EPTL

How to Order

ED5000

Ordering Examples

Exit Device Only*

Quantity	Series/ Function	Finish	Hand	Misc. Options
65	ED5200S	626	RHR	M51

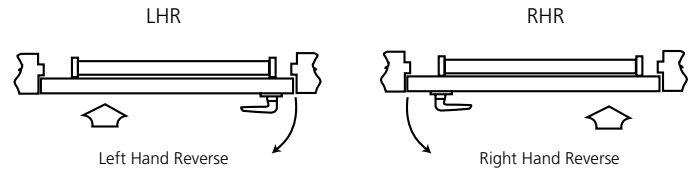
*To order mortise exit device only, see Mortise Exit Only below.

Trim Only

Quantity	Trim/ Function	Finish	Hand	Door Thickness
24	N955	625	RHR	D214

Where to find ordering information and Quick Codes

Functions and Trims	Strike	Pg 55
Rim and	Finish	Pg 56
Vertical Rod..... Pg 20	Door Thickness..... Pg 56	
Mortise	Handing..... Pg 56	
Pg 30	Miscellaneous	
Cylinders and Keying.. Pg 55	Options..... Pg 56	
Door Height..... Pg 55	Removable Mullion Pg 57	
Door Width..... Pg 55		



Note: Arrow () indicates secure side of door.

Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Finish	Hand	Door Thickness	Optional Strike	Door Width	Misc. Options
65	ED5600L	N9M55	605	LHR	D214	SB214	W048	M51-M54

Contract/Detailed Order – Surface Vertical Rod Exit Device with Trim

Quantity	Keypad	Exit Device	Trim/ Function	Finish	Hand	Door Height	Door Width	Misc. Options	Cylinder Option
36	AA1	ED5470	C955	626	LHR	H1000	W048	M52-M54	7P

Mortise Exit Only

Trim Type	Functions	Panic	Fire
Knob	Passage	ED5600K	ED5600AK
	Classroom		
	Nightlatch	ED5657K	ED5657AK
	Dummy		
Lever or Flat Plate	Passage	ED5600L	ED5600AL
	Classroom		
	Double Cylinder (Classroom function lever Trim only)	ED5602L	ED5602AL
	Nightlatch	ED5657L	ED5657AL
Thumbpiece	Dummy	ED5600T	ED5600AT
	Passage		
	Classroom	ED5657T	ED5657AT
	Nightlatch		
Dummy			

Removable Mullion

Quantity	Mullion	Misc. Options
6	908A	M96

How to Order the Muséo® Piet Levers

ED5000

Muséo® Piet Lever Collection Trim and Finish Options



Leather Insert
21L



Santoprene™ Insert
21S



Wood Insert
21W



Plain
25M

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



Polished with Satin
Insert
21M



With Raised Band
23M

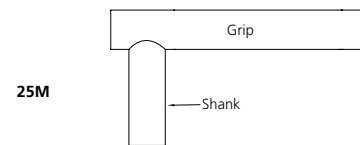
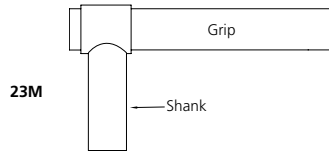
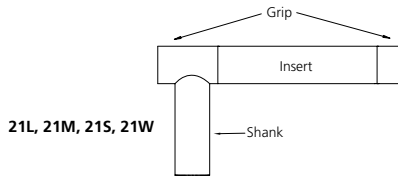
Trim	Lever Finish Options					
Lever Style	Shank Finish	Specify	Insert Finish	Specify	Grip Finish	Specify
21M	629	29	630	30	629	29
23M	629	29	N/A	00	630	30

*Grip finish must match shank finish

How to Order the Muséo® Piet Levers

ED5000

How to Order the Muséo® Piet Lever Collection



Trim Only

Quantity	Trim/Function	Lever Finish	Lock Finish	Hand
2	21M910	293029	629	RHR

Exit Device with Trim

Quantity	Exit Device	Trim/Function	Lever Finish	Lock Finish	Hand	Cylinder Option	Door Thickness	Optional Strike	Door Width
2	ED5600LN	21W9M10	29BH29	629	LHR	6P	D200	SB214	W048

Abrasive Coat

Hard granular material applied to provide a non-slip tactile surface for the visually impaired.

Active Door

In a pair of doors, the door that is operable from the trim side.

Astragal

A vertical member applied to one or both sides of a pair of doors at the meeting edges. The astragal closes the gap between the two doors.

Coordinator

A device used on a pair of doors to ensure that the inactive door closes before the active door.

Deadlocking Latch

A supplemental latch that automatically deadlocks the latchbolt when pressure is applied to it.

Dogging

A mechanism that allows the latchbolt to remain retracted, permitting the door to operate as if it were a push-pull; it cannot be used on fire-rated exit devices.

Double Egress

A pair of doors of the same hand that swing in opposite directions, commonly found in corridors.

Dummy Trim

Trim only. Usually used on the inactive door of a pair of doors for design balance.

Exit Device (Panic Hardware)

A door locking device with a pushpad or crossbar which, when pressed, allows instant exit (egress).

Fire Exit Hardware

An exit device listed by an independent testing laboratory as meeting panic, fire and hose stream test standards; used on fire-rated openings.

Hand

The direction a door swings.

Inactive Door

In a pair of doors, the door that is inoperable from the trim side.

Latchbolt

A lock component that has a beveled end and projects into a strike, holding the door in a closed position.

Mullion

A fixed or removable vertical member that divides a door opening and provides a latch surface for a pair of rim exit devices.

Open Back Strike

For mortise exit devices, used on the inactive door (usually the vertical rod door) of a pair of doors that swing in the same direction. It permits the inactive door to open or close independently.

Reversible

Pertains to a product that may be changed in the field to accommodate any hand of the door.

Shim Kit

Pieces of metal that permit mounting of an exit device on a door that has a surface projecting vision light (glass bead) molding.

Split Astragal

An astragal that is split through the middle on a pair of doors, allowing both doors to operate independently.

Threshold

A strip fastened to the floor beneath a door. It serves as a stop, prevents heat loss, and provides a strike location for latching the bottom rod of a vertical rod exit device.

Trim

A knob, lever, pull, or thumbpiece used on the outside of an exit device door to control access to an area.

Universal Exit Device

An exit device that may be used on doors of either hand without any modifications.

Keying and Cylinder Terms

Blockout Cylinder

A cylinder which allows all keys to be temporarily blocked from operating. It is set by a blockout key.

Concealed Key Control (CKC)

The marking of standard key symbols on a cylinder in a location that is not visible once the cylinder is installed.

Construction Master Keying (CMK)

A cylinder preparation that allows temporary access by construction personnel.

Control Key

A key used to remove and install interchangeable cores.

Cylinder

A lock component containing the combination that determines which keys will operate.

Security Cylinder

A cylinder which provides extra resistance to picking and unauthorized duplication of keys.

Interchangeable Core (IC)

A cylinder which can be removed and installed quickly with a control key by non-skilled personnel when rekeying is required.

Key Symbol

A letter/number combination in standard industry format (e.g., 1AA, AA1, etc.) which indicates exactly how a key or cylinder fits into a keying system.

Keyway

The opening in a cylinder plug through which the key enters.

Master Keying

Preparation of a cylinder to operate with keys of different levels of access.

Visual Key Control (VKC)

The marking of standard key symbols on keys and on the visible portion of the front of a cylinder.

How to Specify

ED5000

Suggested Specification for Panic and Fire-Rated Exit Devices

Exit devices shall be ED5000 Series Pushpad Exit Devices as manufactured by Corbin Russwin Architectural Hardware.

The exit device chassis shall be cold forged steel, electroplated for corrosion resistance, and shall be architecturally finished brass, bronze or stainless steel. The pushpad mechanism shall be constructed of extruded aluminum and shall be scalped with architecturally finished brass, bronze or stainless steel. The maximum projection shall be 3-1/4" when the pushpad is active and 2-3/4" when the pushpad is dogged down. Nylon bearings and stainless steel springs shall be used for long life and durability; only torsion springs are acceptable. Rear and active case covers shall be wrought brass or bronze and shall be plated to match the exit bar. Plastic or painted covers are not acceptable. Latchbolts shall be steel and shall incorporate a deadlocking latch for increased security. Devices without deadlocking latches are not acceptable. Mounting screws shall be concealed to deter tampering. Devices shall be closed on all sides with no pinch points. All exit devices shall be easily field sized to accommodate various door widths.

Panic-listed exit devices shall have single-point, one quarter turn hex key dogging standard. Optional cylinder dogging shall be available on panic listed devices only. Devices with hex key dogging shall be easily field converted to cylinder dogging. Panic-listed devices shall be available less dogging.

Trims shall be through-bolted with concealed fasteners. Escutcheon and pull type trims shall be constructed of brass or bronze. All lever trims shall use cast or forged levers. On trims with cylinders, the mechanism that locks and unlocks the trim shall be housed in the trim and not in the active case of the exit device. Rim and vertical rod lever trims shall be Free Wheeling with clutch mechanism allowing lever to rotate 60° when locked to prevent vandalism. Lever trims shall match those on Corbin Russwin Mortise and Cylindrical Locksets.

Exit devices and trims shall be furnished in BHMA standard architectural finishes.

Exit devices shall be listed by Underwriters Laboratories (UL) for safety as panic hardware. Fire-rated devices shall be listed for A label and lesser class doors.

Certification:
ANSI A156.3, Grade 1

Devices, trims and cylinders shall be from one manufacturer.

Devices and 900 series trim shall carry a five-year limited warranty.

Electronic components shall carry a two-year limited warranty.

Suggested Specification for Delayed Egress Exit Devices

Delayed egress exit devices shall be ED4000/ED5000 series (rim, SecureBolt®, mortise or concealed vertical rod) with the "D" suffix, manufactured by Corbin Russwin Architectural Hardware.

The delayed egress exit device secures the door in the locked mode. Depressing the pushpad for less than three seconds will sound the device nuisance beep without initiating the alarm. Depressing the pushpad longer than three seconds will initiate an irreversible local audible beeping tone and allow the device to release for egress after 15 seconds (or 30 seconds may be accepted by local jurisdiction) and sound the alarm. The alarm will continue until reset by the mechanical key switch located on the device.

Devices shall be 24 volts DC.

The exit device chassis shall be cold forged steel, electroplated for corrosion resistance, and shall be architecturally finished brass, bronze or stainless steel. The pushpad mechanism shall be constructed of extruded aluminum and shall be scalped with architecturally finished brass, bronze or stainless steel. The maximum projection shall be 3-1/4" when the push pad is active and 2-3/4" when the push pad is depressed. Nylon bearings and steel springs shall be used for long life and durability. Active case and alarm end cover shall be wrought brass, bronze or stainless steel and shall be plated to match the exit bar. Painted or plastic covers or end caps are not acceptable. Latch bolts shall be steel and shall incorporate a deadlocking latch for increased security. Devices without deadlocking latches are not acceptable. Mounting screws shall be concealed to deter tampering. Devices shall be closed on all sides with no pinch points. Device active cover and end cap attaching screws shall be security Torx® pin.

Trims shall be through-bolted with concealed fasteners. Escutcheon and pull-type trims shall be constructed of brass, bronze or stainless steel. All lever trims shall use cast or forged levers. On trims with cylinders, the mechanism that locks and unlocks the trim shall be housed in the trim and not in the active head of the Exit Device. Rim and vertical rod lever trims shall be Free Wheeling with clutch mechanism allowing lever to rotate 60° when locked to prevent vandalism. Lever trims shall match those on Corbin Russwin mortise and cylindrical locksets.

Devices shall be listed by UL/cUL as Controlled Exit Panic Devices or Special Locking Arrangement and meet all requirements for NFPA 101.

Certification:

ANSI 156.3, Grade 1/ANSI 156.24

UL/cUL FUKD/FUKD7 - Controlled Panic Device

UL/cUL FWAX/FWAX7 - Special Locking Arrangements

Exit devices, trims and cylinders must be from one manufacturer.

Exit devices and heavy-duty trims shall have a five-year warranty. Electronics shall have a two-year warranty.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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



ElectroLynx®

As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.



MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

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

**Corbin
Russwin**

ASSA ABLOY

ED6000 Series

Crossbar Exit Devices



ASSA ABLOY, the global leader
in door opening solutions



Introduction

ED6000

ED6000 Series



Applications

Since patenting some of the first exit devices nearly a century ago, Corbin Russwin has met rigorous life safety and security requirements, while offering pleasing aesthetics and trouble-free operation. Designed for applications in high-use, high-abuse situations, ED6000 Crossbar Exit Devices can be teamed with a variety of Corbin Russwin trims to provide desired functions, styles and finishes in new construction and renovations, including:

- Schools and universities
- Health care facilities
- Government and municipal buildings
- Commercial and industrial
- Office and retail complexes
- Transportation facilities
- Hotels and conference centers
- Religious facilities

Advantages

- Meets ANSI Grade 1 requirements
- Heavy-duty construction
- Base metals (brass, bronze and stainless steel) for durability
- Easy-to-use crossbar operation for quick egress and ADA compliance
- Dogging standard on all panic listed devices
- Thru-bolted trims for strength and security
- Wide range of finishes, trims and styles to match other Corbin Russwin products
- Devices available to satisfy panic and fire opening requirements

Table of Contents





Introduction.....	2
Applications and Listings.....	3
Rim Exit Features.....	5
Surface Vertical Rod Exit Features..	7
Rim/Surface Vertical Rod	
Trims and Functions	9
Fire-Rated Rim Exit Features	13
Fire-Rated Rim Trims	
and Functions	15
Mortise Exit Features.....	18
Mortise Trims and Functions	20
Concealed Vertical Rod	
Exit Features	24
Concealed Vertical Rod	
Trims and Functions	26
ED66900 ECE Applications.....	27
ECE Features.....	28
ECE Functions	29
Options and Accessories	30
Mullions.....	33
Cylinders.....	34
How to Order	35
Quick Codes	36
Helpful Terms	38
How to Specify	39

Applications and Listings

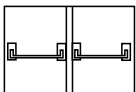
ED6000

UL UL listed as fire exit hardware by Underwriters Laboratories Inc.

Single Door

	Max. Door Opening	Fire Door Ratings					Application	
		A	B, D	C, E				
		3 Hr.	90 Min.	45 Min.	30 Min.	20 Min.		
Rim								
ED6200	4'*	Devices are panic listed only.					Surface applied; single point latching.	
ED6200A	4' x 7'2"	UL	UL	UL	UL	UL		
Vertical Rod								
ED6400	4' x 10'	Devices are panic listed only.					Surface applied; two point latching.	
ED6400A	4' x 7'2"	Fire ratings do not apply for single door applications.						
Mortise								
ED6600	4'*	Devices are panic listed only.					Mortised in door; two point latching.	
ED6600A	4' x 7'2"	UL	UL	UL	UL	UL		
Concealed Vertical Rod								
ED6800	4' x 10'8"	Devices are panic listed only.					Rods concealed in door; two point latching.	
ED6800A	4' x 7'2"	Fire ratings do not apply for single door applications.						

Pair of Doors with Removable Mullion

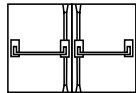
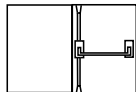
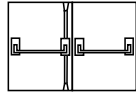
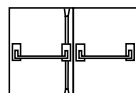
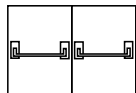
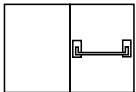
	Max. Door Opening	Fire Door Ratings					Application	
		A	B, D	C, E				
		3 Hr.	90 Min.	45 Min.	30 Min.	20 Min.		
Rim x Rim								
ED6200 x ED6200 x 507	8' x 7'2"	Devices are panic listed only.					2 independent, active doors with removable mullion.	
ED6200 x ED6200 x 510	8' x 10'	Fire ratings do not apply.						
ED6200A x ED6200A x 507	8' x 7'2"	UL	UL	UL	UL	UL		

*UL does not set a door height limitation on panic applications.

Applications and Listings

ED6000

Pair of Doors

	Max. Door Opening	Fire Door Ratings					Application	
		A	B, D	C, E				
		3 Hr.	90 Min.	45 Min.	30 Min.	20 Min.		
Vertical Rod (Swinging in the Same Direction)								
ED6400 x ED6400	8'*	Devices are panic listed only.					2 independent doors with 2 point latching – overlapping astragal not required.	
ED6400A x ED6400A	8' x 7'2"	—	UL	UL	UL	UL		
Vertical Rod (Swinging in Opposite Directions)								
ED6400 x ED6400	8'*	Devices are panic listed only.					2 independent doors with 2 point latching – overlapping astragal required for 3 hour openings.	
ED6400A x ED6400A	8' x 7'2"	UL	UL	UL	UL	UL		
Vertical Rod x Mortise								
ED6400 x ED6600	8'*	Devices are panic listed only.					Overlapping astragal required for 3 hour openings. Coordinator required with standard strike.	
ED6400A x ED6600A	8' x 7'2"	UL	UL	UL	UL	UL		
ED6400A x ED6600A x Open back strike	8' x 7'2"	—	UL	UL	UL	UL		
Vertical Rod x Rim								
ED6400 x ED6200 x S02	8'*	Devices are panic listed only.					Non-prepped doors only; S02 strike required on inactive door; coordinator recommended.	
Concealed Vertical Rod (Swinging in the Same Direction)								
ED6800 x ED6800	8'*	Devices are panic listed only.					2 independent doors with 2 point latching – overlapping astragal not required.	
ED6800A x ED6800A	8' x 7'2"	—	UL	UL	UL	UL		
Concealed Vertical Rod (Swinging in Opposite Directions)								
ED6800 x ED6800	8'*	Devices are panic listed only.					2 independent doors with 2 point latching – overlapping astragal required for 3 hour openings.	
ED6800A x ED6800A	8' x 7'2"	UL	UL	UL	UL	UL		

*UL does not set a door height limitation on panic applications.



ED6200 Panic Listed Rim Exit Device

Features

Handing

Field reversible; specify hand.

Bar Length

Easily field cut to size.

Standard: 36" (914mm) bar fits up to 36" (914mm) door.

Optional: 48" (1219mm) bar fits up to 48" (1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.

Optional: 2" (51mm); specify D200.

Optional: 2-1/4" (57mm); specify D214.

Backset

2-5/8" for 1/2" stop, 2-3/4" for 5/8" stop. (Backset changes when mullion is used.)

Stile

Minimum width with 1/2" stop and standard strike 4" (102mm).

Latchbolt

3/4" (19mm) pivoted.

Materials

Brass, bronze or stainless steel.

Cases

Heavy wrought, 7-1/4" (184mm) x 2-9/16" (65mm).

Projection

5-3/4" (146mm); 4-1/2" (114mm) depressed.

Crossbar

Standard: 13/16" (1mm) x 1-3/8" (35mm) oval seamless tubing.

Optional: reinforced crossbar or stainless steel crossbar; see Quick Codes, page 36.

Dogging

Standard on ED6200 devices.

Optional: less dogging; specify M51.

Fasteners

Standard: machine screws.

Optional: sex nuts and bolts or spanner head screws; specify M54.

Strike:

See Options and Accessories, page 30.

Removable Mullion

See Mullions, page 33.

Functions and Trims

Thru-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, page 9.

Cylinders

Cylinder not included unless specified. See How to Order, page 34.

Applications and Listings

See page 3.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.3, Grade 1.

Meets A117.1 Accessibility Code.

C-UL US

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on active case cover indicates listing.

California State Reference Code

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

NFPA

All exit devices comply with NFPA 101 Life Safety Code.

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

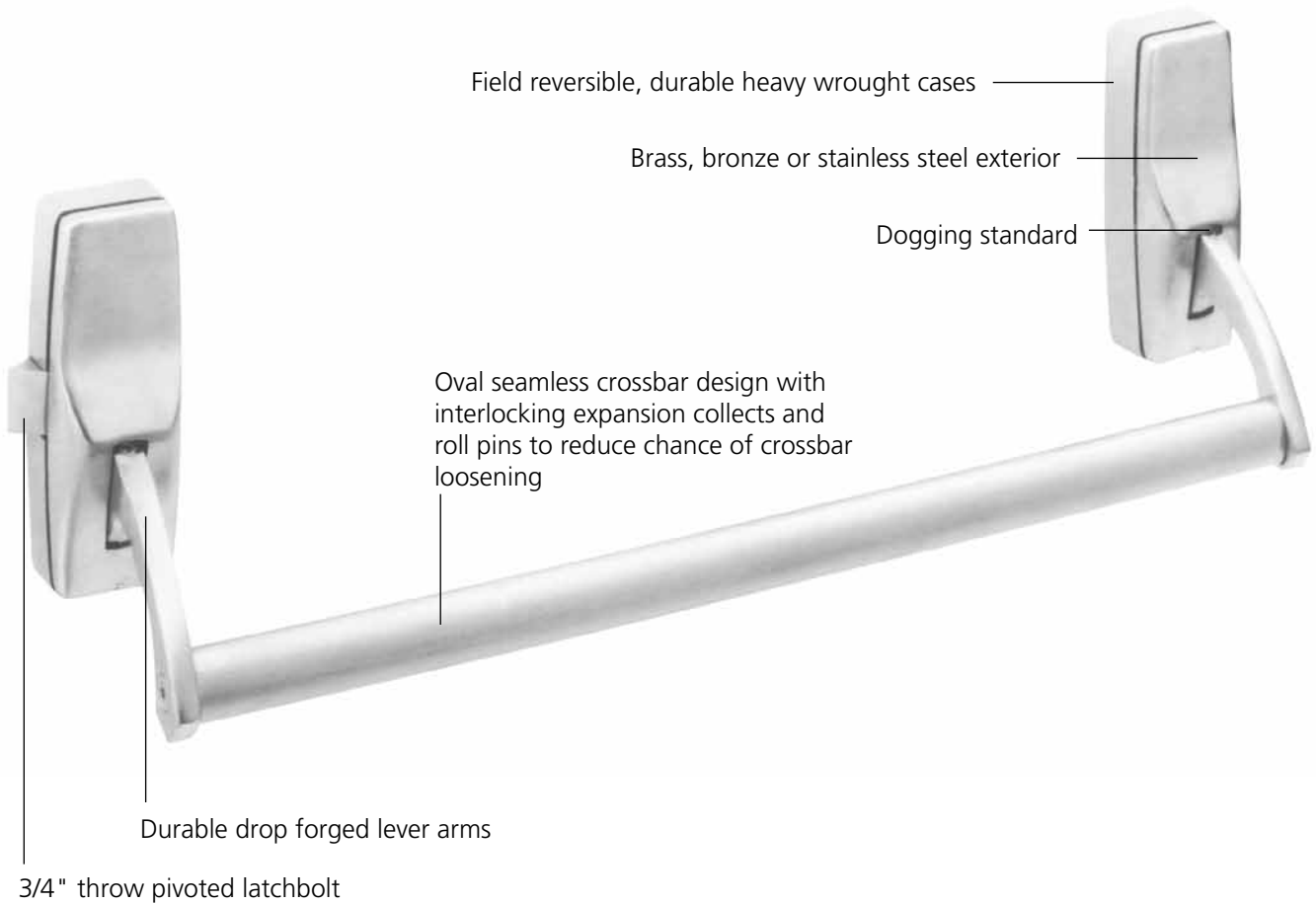
Finishes

BHMA 605	Bright Brass	
BHMA 606	Satin Brass	
BHMA 611	Bright Bronze	
BHMA 612	Satin Bronze	
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered	
BHMA 618	Bright Nickel Plated	
BHMA 619	Satin Nickel Plated	
BHMA 622	Flat Black Coated	
BHMA 625	Bright Chromium Plated	
BHMA 626	Satin Chromium Plated	
626C	Satin Chromium Plated with MicroShield®	
BHMA 629	Bright Stainless Steel	
BHMA 630	Satin Stainless Steel	
630C	Satin Stainless Steel with MicroShield®	
BHMA 722	Black oxidized bronze, oil rubbed	

Rim Exit Features

ED6000

ED6200 Rim Exit Device



Surface Vertical Rod Exit Features

ED6000

ED6400 Panic Listed Vertical Rod Exit Device ED6400A 3-Hour Fire Listed Vertical Rod Exit Device

Features

Handing

Device handed but easily field reversible; specify hand.

Bar Length

Easily field cut to size.

Standard: 36" (914mm) bar fits up to 36" (762mm-914mm) door.

Optional: 48" (1219mm) bar fits up to 48" (1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.

Optional: 2" (51mm); specify D200.

Optional: 2-1/4" (57mm); specify D214.

Backset

2-3/4" (70mm).

Stile

Minimum width 4-1/8" (105mm).

Door Height

All top rods easily field cut to size.

Standard on ED6400 devices; top rod for doors up to 7'6".

Optional on ED6400 devices; top rod for doors up to 10'; see How to Order, page 35.

Standard on ED6400A devices; top rod for 7'2" door.

Latchbolt

ED6400 devices:

Top: 5/8" throw.

Bottom: 3/4" throw; acts independently, allowing top latch to remain engaged even when bottom latch is not projected.

ED6400A devices:

Top: 3/4" steel, jamb mounted; projects into pusher on device.

Bottom: 3/4" throw steel.

Latchbolt Operation

Standard on ED6400 and ED6400A devices: latchbolts held in retracted position until door closes.

Optional on ED6400 devices: free-latching latchbolts; see How to Order, page 35.

Vertical Rods

Inverted U-shaped rectangular.

Materials

Brass, bronze or stainless steel.

Cases

Heavy wrought, 7-1/4" (184mm) x 2-9/16" (65mm).

Crossbar

Standard: 13/16" (1mm) x 1-3/8" (35mm) oval seamless tubing.

Optional: reinforced crossbar or stainless steel crossbar; see Quick Codes, page 36.

Dogging

Standard on ED6400 devices.

Optional: less dogging; specify M51.

Dogging not available on ED6400A devices.

Projection

5-3/4" (146mm); 4-1/4" (108mm) depressed.

Fasteners

Standard on ED6400 devices: machine screws.

Optional on ED6400 devices: sex nuts and bolts; specify M54.

Standard on ED6400A devices; sex nuts and bolts.

Optional on ED6400 and ED6400A devices; spanner head screws; specify M02.

Strike

See Options and Accessories, page 31.

Functions and Trims

Thru-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, page 9.

Cylinders

Cylinder not included unless specified. See How to Order, page 34.

Applications and Listings

See page 3.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.3, Grade 1.

C-UL US

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. 3-hour fire-rated devices listed as fire exit hardware for A label and lesser class 8' x 7'2" double doors. UL symbol on active head indicates 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

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.



NFPA

All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Lever trims and pulls comply with Americans with Disabilities Act.

Finishes

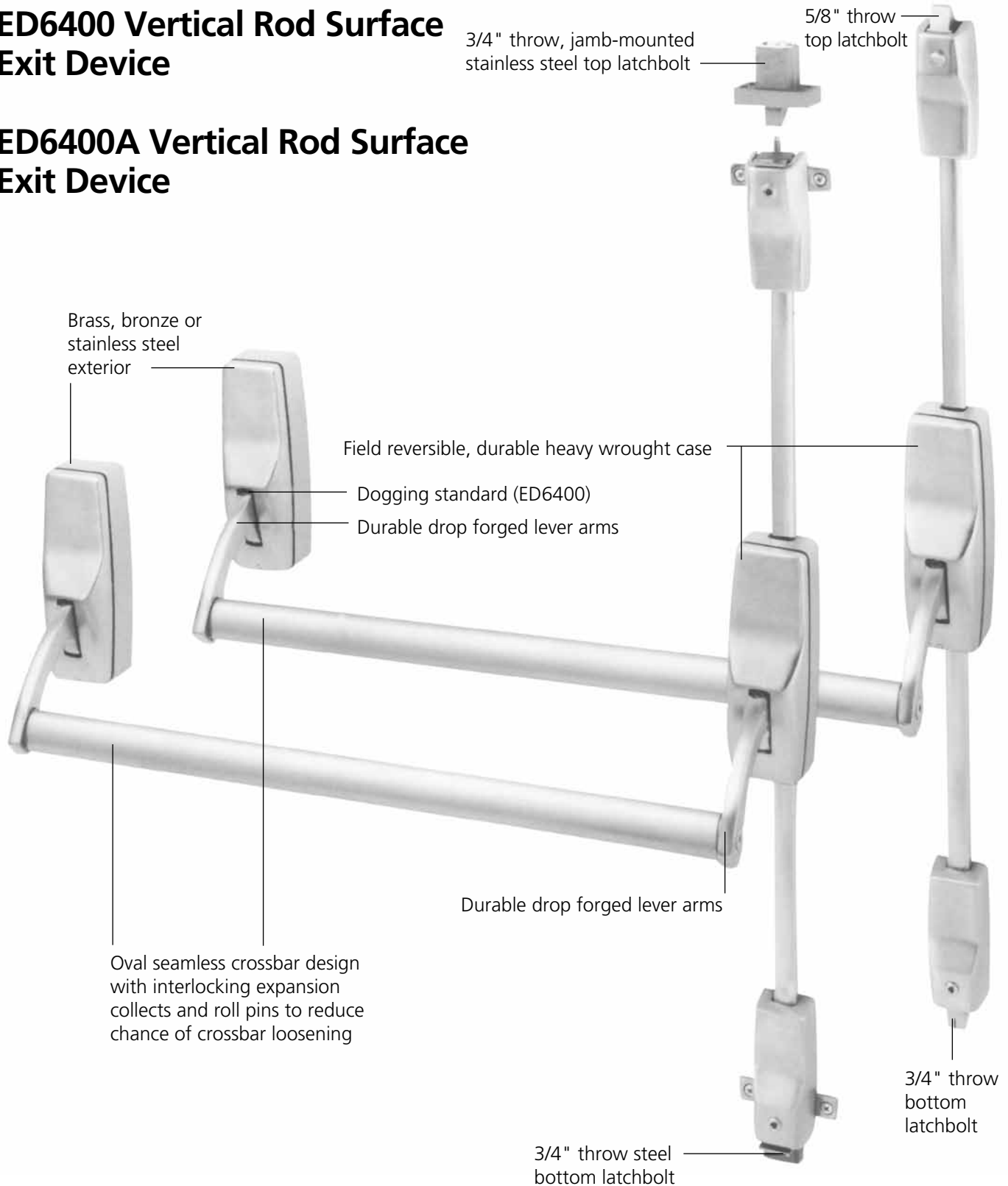
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BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
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BHMA 619	Satin Nickel Plated
BHMA 622	Flat Black Coated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield® 
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield® 
BHMA 722	Black oxidized bronze, oil rubbed

Surface Vertical Rod Exit Features

ED6000

ED6400 Vertical Rod Surface Exit Device

ED6400A Vertical Rod Surface Exit Device



Rim/SVR Trims and Functions


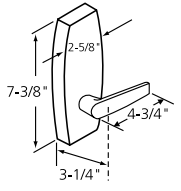

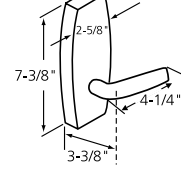
ED6000

Device Only

Rim Exit Device	ANSI Type	Type	ANSI No.	Function Description
ED6200	2	Exit Only	01	Exit only; no trim. (Accepts all trims listed on pages 9-12).
Vertical Rod Exit Device	ANSI Type	Type	ANSI No.	Function Description
ED6400	2	Exit Only	01	Exit only; no trim.
ED6400A	2	Exit Only	01	3-hour fire-rated exit only; no trim.




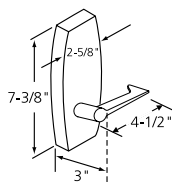


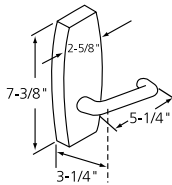




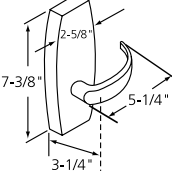
Device with Trim

Vertical Rod Exit Device	Accepts Trim/Function			Function Description (See Trim Designs Below)
	ANSI Type	Type	ANSI No.	
ED6410	2	Passage (10)	—	- Free at all times.
ED6410A	2	Passage (10)	—	- 3-hour fire-rated; free at all times.
ED6450	2	Dummy (50)	02	- Always rigid.
ED6450A	2	Dummy (50)	02	- 3-hour fire-rated; always rigid.
ED6410	2	Classroom (55)	05/08	- Free at all times, except when locked by key.
ED6410A	2	Classroom (55)	05/08	- 3-hour fire-rated; free at all times, except when locked by key.
ED6457	2	Classroom (55)	03/04/06	- Free only when key is turned. Key removable only when locked. - Not available fire-rated.
ED6458	2	Latch Hold-Back x Nighlatch Trim (57)	04/06	- Always inactive. Locked except when latch is held in retracted position by key. (Outside cylinder dogging) - Not available on fire-rated devices.

Pull Trim Design		Trim/Function				
		Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nighlatch ANSI No. 03	
	Armstrong A3 Lever: Cast Escutcheon: Cast Cylinder: Rim		A310	A350	A355	A357
	Citation C2 Lever: Cast Escutcheon: Cast Cylinder: Rim		C210	C250	C255	C257


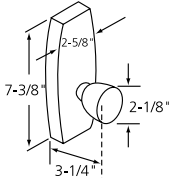

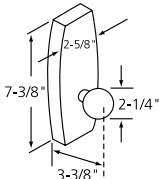

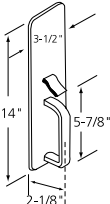

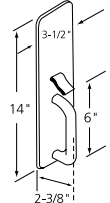

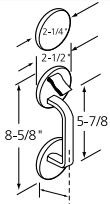

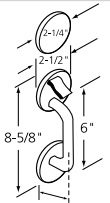
Rim/SVR Trims and Functions

ED6000

Pull Trim Design				Trim/Function			
				Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03/04
	<p>Dirke D2</p> <p>Lever: Cast Escutcheon: Cast Cylinder: Rim</p>			D210	D250	D255	D257
	<p>Essex E2</p> <p>Lever: Cast Escutcheon: Cast Cylinder: Rim</p>			E210	E250	E255	E257
	<p>Lustra L2</p> <p>Lever: Cast Escutcheon: Cast Cylinder: Rim</p>			L210	L250	L255	L257
	<p>Newport N3</p> <p>Lever: Cast Escutcheon: Cast Cylinder: Rim</p>			N310	N350	N355	N357
	<p>Regis R2</p> <p>Lever: Cast Escutcheon: Cast Cylinder: Rim</p>			R210	R250	R255	R257
	<p>Princeton PR2</p> <p>Lever: Cast Escutcheon: Cast Cylinder: Rim</p>			PR210	PR250	PR255	PR257

Rim/SVR Trims and Functions

ED6000


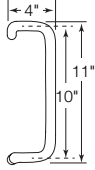

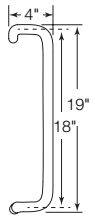

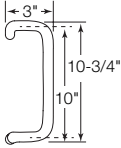
Pull Trim Design	Trim/Function				
	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Nightlatch ANSI No. 03/04	
 <p>Belmont B3 Knob: Wrought reinforced Escutcheon: Cast Cylinder: Rim</p>		B310	B350	B355	B357*
 <p>Global G4 Knob: Wrought reinforced Escutcheon: Cast Cylinder: Rim</p>		G410	G450	G455	G457*
 <p>D Grip T3 Grip: Extruded Escutcheon: Wrought Cylinder: Rim</p>		T310	T350	T355	T357*
 <p>Round Grip T4 Grip: Extruded Escutcheon: Wrought Cylinder: Rim</p>		T410	T450	T455	T457*
 <p>D Grip Sectional T5 Grip: Extruded Cylinder: Rim</p>		T510	T550	T555	T557*
 <p>Round Grip Sectional T6 Grip: Extruded Cylinder: Rim</p>		T610	T650	T655	T657*

*When used with ED6458 device, provides latch hold-back for ANSI No. 04 function.

Offset Pull Trims

ED6000

Offset Pull Trim: P12, P13, P14

	<p>Offset Pull P12 Clearance: 2-1/2 "</p>		<p>Specify Part Number, 716F50M x Finish¹</p>
	<p>Offset Pull P13 Clearance: 2-1/2 "</p>		<p>Specify Part Number, 716F51M x Finish¹</p>
	<p>Offset Pull P14 Clearance: 2-1/2 "</p>		<p>Specify Part Number, 716F52M x Finish¹</p>

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.



ED6200A 3-Hour Fire Listed Rim Exit Device

Features

Handing

Handed; specify hand.

Bar Length

Easily field cut to size.

Standard: 36" (914mm) bar fits up to 36" (762mm-914mm) door.

Optional: 48" (1219mm) bar fits up to 48" (1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.

Optional: 2" (51mm); specify D200.

Optional: 2-1/4" (57mm); specify D214.

Backset

2-3/4" (70mm) with 6/8" (19mm) stop. (Backset changes when mullion is used.)

Stile

Minimum width with 5/8" stop and standard strike: 4-1/8" (105mm).

Latchbolt

3/4" (19mm) throw stainless steel, with stainless steel deadlocking plunger.

Materials

Brass, bronze or stainless steel.

Cases

Heavy wrought, 8-3/8" (213mm) x 2-5/8" (67mm).

Crossbar

Standard: 13/16" (1mm) x 1-3/8" (35mm) oval seamless tubing.

Optional: reinforced crossbar or stainless steel crossbar; see Quick Codes, page 36.

Dogging

Not available.

Projection

5-3/4" (146mm); 3" (76mm) depressed.

Fasteners

Sex nuts and bolts standard.

Optional: spanner head screws; specify M02.

Strike

See Options and Accessories, page 30.

Removable Mullion

See Mullions, page 33.

Functions and Trims

Thru-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, page 15.

Cylinders

Cylinder not included unless specified. See How to Order, page 34.

Applications and Listings

See page 3.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.3, Grade 1.

Meets A117.1 Accessibility Code.

C-UL US

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. 3-hour fire-rated devices listed as fire exit hardware for A label and lesser class 8' x 7'2" double doors. UL symbol on active head indicates 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

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.



NFPA

All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

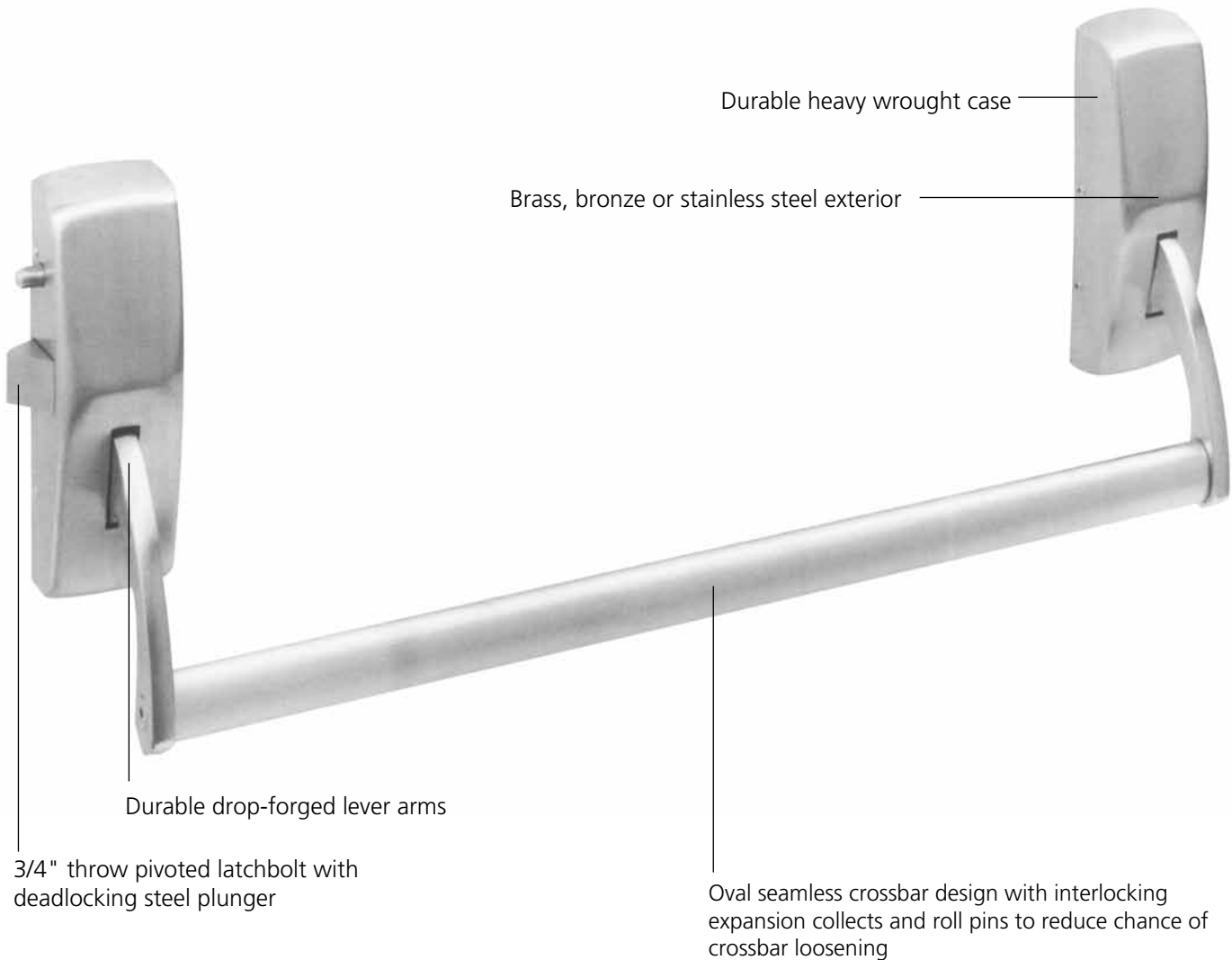
Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 622	Flat Black Coated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield® 
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield® 
BHMA 722	Black oxidized bronze, oil rubbed

Fire-Rated Rim Exit Features

ED6000

ED6200A Rim Exit Device



Fire-Rated Rim Trims and Functions


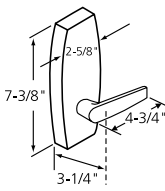

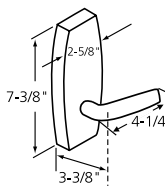
ED6000

Device Only

Rim Exit Device	ANSI Type	Type	ANSI No.	Function Description
ED6200A	1	Exit Only	01	3-hour fire-rated exit only; no trim. (Accepts all trims listed on pages 15-17.)

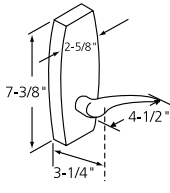


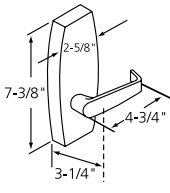

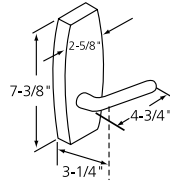

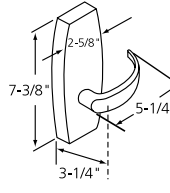
Device with Trim

Rim Exit Device	ANSI Type	Accepts Trim/Function		Function Description (See Trim Designs Below)
		Type	ANSI No.	
ED6200A	1	Passage (10)	—	- 3-hour fire-rated; free at all times.
ED6200A	1	Dummy (50)	—	- 3-hour fire-rated; always free wheeling.
ED6200A	1	Classroom (55)	05/08	- 3-hour fire-rated; free at all times, except when locked by key.
ED6257A	1	Nightlatch (57)	03/04/06/06	- 3-hour fire-rated; always rigid. Entrance by trim when latchbolt is retracted by key. Key removable only when locked.

Pull Trim Design		Trim/Function					
		Passage	Dummy ANSI No. F02	Classroom ANSI No. F08	Nightlatch ANSI No. F03/F04/F06		
	Armstrong A4 Lever: Cast Escutcheon: Cast Cylinder: Rim			A410	A450	A455	A457
	Citation C3 Lever: Cast Escutcheon: Cast Cylinder: Rim			C310	C350	C355	C357


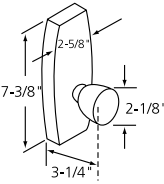

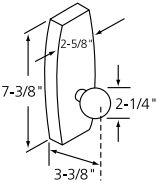

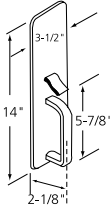
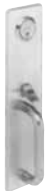
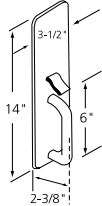

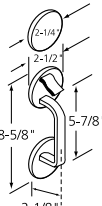

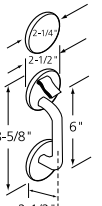
Fire-Rated Rim Trims and Functions

ED6000

Pull Trim Design	Trim/Function			
	Passage	Dummy ANSI No. F02	Classroom ANSI No. F08	Nightlatch ANSI No. F03/F04/F06
 <p>Dirke D3 Lever: Cast Escutcheon: Cast Cylinder: Rim</p> 	D310	D350	D355	D357
 <p>Essex E3 Lever: Cast Escutcheon: Cast Cylinder: Rim</p> 	E310	E350	E355	E357
 <p>Lustra L3 Lever: Cast Escutcheon: Cast Cylinder: Rim</p> 	L310	L350	L355	L357
 <p>Newport N4 Lever: Cast Escutcheon: Cast Cylinder: Rim</p> 	N410	N450	N455	N457
 <p>Regis R3 Lever: Cast Escutcheon: Cast Cylinder: Rim</p> 	R310	R350	R355	R357
 <p>Princeton PR3 Lever: Cast Escutcheon: Cast Cylinder: Rim</p> 	PR310	PR350	PR355	PR357

Fire-Rated Rim Trims and Functions

ED6000

Pull Trim Design	Trim/Function				
	Passage	Dummy ANSI No. F02	Classroom ANSI No. F08	Nightlatch ANSI No. F03/F04/F06	
 <p>Belmont B4 Knob: Wrought reinforced Escutcheon: Cast Cylinder: Rim</p>		B410	B450	B455	B457
 <p>Global G5 Knob: Wrought reinforced Escutcheon: Cast Cylinder: Rim</p>		G510	G550	G555	G557
 <p>D Grip T7 Grip: Extruded Escutcheon: Wrought Cylinder: Rim</p>		T710	T750	T755	T757
 <p>Round Grip T8 Grip: Extruded Escutcheon: Wrought Cylinder: Rim</p>		T810	T850	T855	T857
 <p>D Grip Sectional T9 Grip: Extruded Cylinder: Rim</p>		T910	T950	T955	T957
 <p>Round Grip Sectional T10 Grip: Extruded Cylinder: Rim</p>		T1010	T1050	T1055	T1057

Mortise Exit Features

ED6000

ED6600 Panic-Listed Mortise Exit Device ED6600A 3-Hour Fire-Listed Mortise Exit Device



Features

Handing

Device handed but easily field reversible; specify hand. Strike is not field reversible.

Bar Length

Easily field cut to size.
Standard: 36" (914mm) bar fits up to 36" (762mm-914mm) door.
Optional: 48" (1219mm) bar fits up to 48" (1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.
Optional: 2" (51mm); specify D200.
Optional: 2-1/4" (57mm); specify D214.

Backset

2-3/4" (70mm).

Stile

Minimum width 5" (127mm).

Projection

5-3/4" (146mm); 4-1/2" (114mm) depressed.

Latchbolt

Brass, 3/4" (19mm) throw.

Auxiliary Latch

Brass.

Front

8" x 1-1/4" (203mm x 32mm) heavy gauge steel.

Accommodates flat doors and doors beveled 1/8" (3mm) in 2" (51mm).

Latch Hold-Back

On ED6600 devices with keyed function trim, latchbolt may be held in retracted position by pushing in latchbolt and turning key.

Not available on ED6600A devices.

Materials

Brass, bronze or stainless steel.

Cases

Heavy wrought, 7-1/4" (184mm) x 2-9/16" (65mm).

Crossbar

Standard: 13/16" (1mm) x 1-3/8" (35mm) oval seamless tubing.

Optional: reinforced crossbar or stainless steel crossbar; see Quick Codes, page 36.

Dogging

Standard on ED6600 devices.
Optional less dogging; specify M51.
Dogging not available on ED6600A devices.

Fasteners

Standard on ED6600 devices: machine screws.
Optional on ED6600 devices: sex nuts and bolts; specify M54.
Standard on ED6600A devices; sex nuts and bolts.
Optional on ED6600 and ED6600A devices; spanner head screws; specify M02.

Strike

See Options and Accessories, page 32.

Functions and Trims

Thru-bolted lever, knob, pull and thumbpiece trims available with wide range of functions; see Trims and Functions, page 20.

Cylinders

Cylinder not included unless specified. See How to Order, page 34.

Applications and Listings

See page 3.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.3, Grade 1.
Meets A117.1 Accessibility Code.

C-UL US

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. 3-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4'x7'2" double doors. UL symbol on active head indicates 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

This product has been approved by the California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.



NFPA

All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

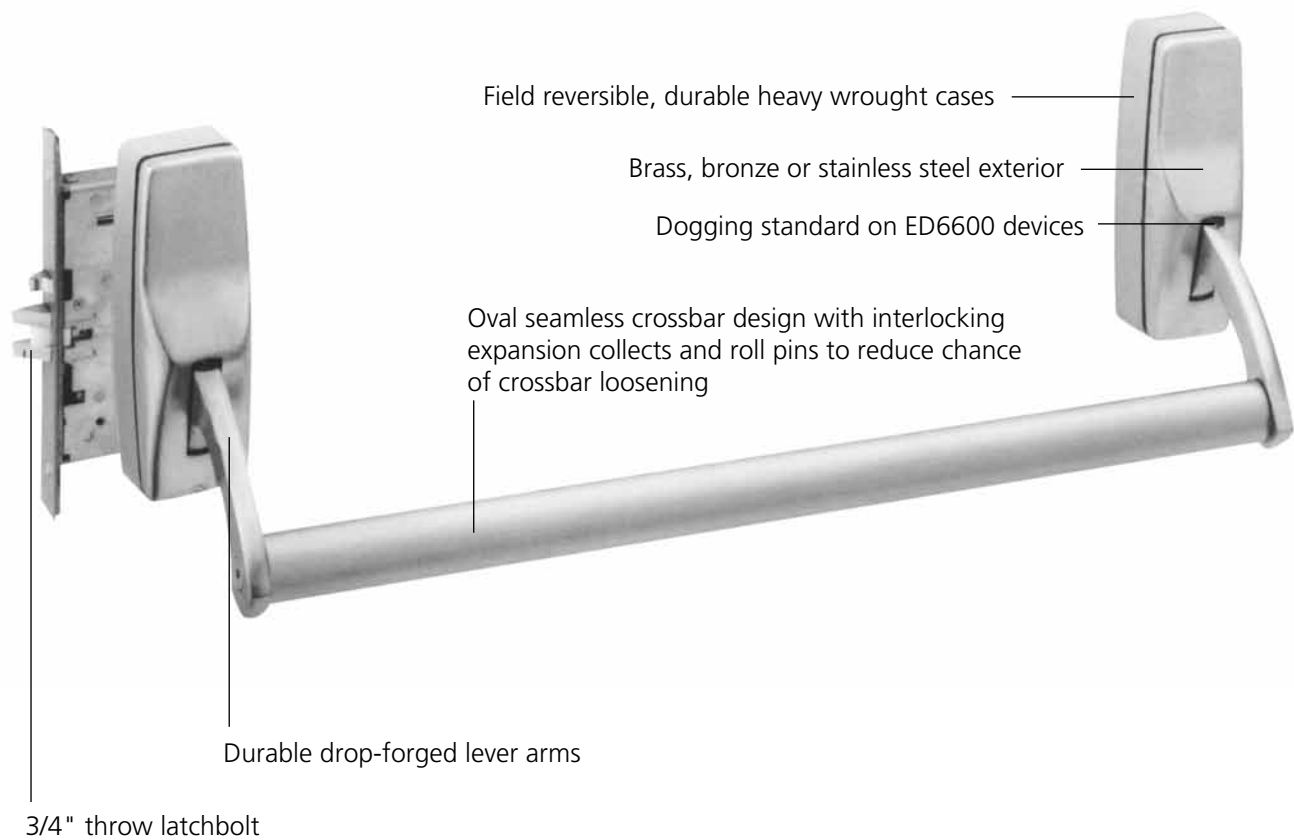
Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 622	Flat Black Coated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield® 
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield® 
BHMA 722	Black oxidized bronze, oil rubbed

Mortise Exit Features

ED6000

ED6600 and ED6600A Mortise Exit Devices



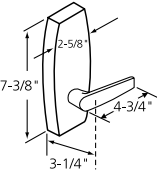


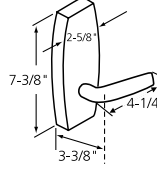


Mortise Trims and Functions

ED6000



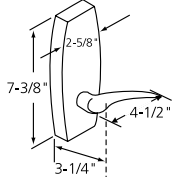


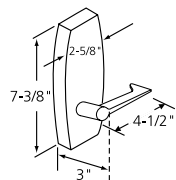


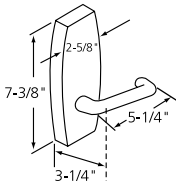


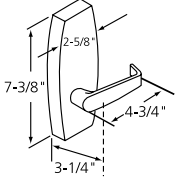


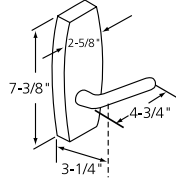


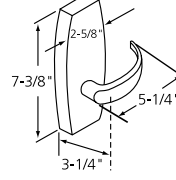
Mortise Exit Device	ANSI Type	Accepts Trim/Function		Function Description (See Trim Designs Below)
		Type	ANSI No.	
ED6600	3	Exit Only	F01	- Exit only; no trim. (Accepts all trims listed on pages 20-23.)
ED6600A	3	Exit Only	F01	- 3-hour fire-rated exit only; no trim. (Accepts all trims listed on pages 20-22.)
For Passage, Dummy, Classroom and Nightlatch functions, see Trim Designs below.		Passage (10)	—	- Free at all times.
		Dummy (50)	F02	- Always free wheeling.
		Classroom (55)	F05/F08	- Free at all times, except when locked by key.
		Nightlatch (57)	F03	- Entrance by trim when latchbolt is retracted by key. Key removable only when locked.
ED6600	—	Latch hold back	—	- Latchbolt held in retracted position by pushing in latchbolt and turning key.

Device with Trim

Pull Trim Design		Trim/Function					
		Passage	Dummy ANSI No. F02	Classroom ANSI No. F05/F08	Nightlatch ANSI No. F03		
	Armstrong A4M Lever: Cast Escutcheon: Cast Cylinder: 1-3/4" Mortise A02 Cam			A4M10	A4M50	A4M55	A4M57
	Citation C3M Lever: Cast Escutcheon: Cast Cylinder: 1-3/4" Mortise A02 Cam			C3M10	C3M50	C3M55	C3M57

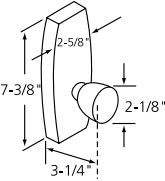
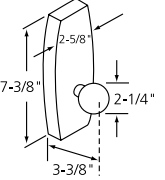

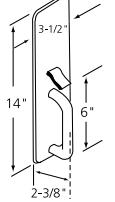

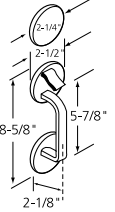
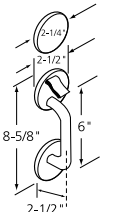
Mortise Trims and Functions

ED6000

Pull Trim Design				Trim/Function			
				Passage	Dummy ANSI No. F02	Classroom ANSI No. F05/F08	Nightlatch ANSI No. F03
	Dirke D3M Lever: Cast Escutcheon: Cast Cylinder: 1-3/4" Mortise A02 Cam			D3M10	D3M50	D3M55	D3M57
	Essex E3M Lever: Cast Escutcheon: Cast Cylinder: 1-3/4" Mortise A02 Cam			E3M10	E3M50	E3M55	E3M57
	Lustra L3M Lever: Cast Escutcheon: Cast Cylinder: 1-3/4" Mortise A02 Cam			L3M10	L3M50	L3M55	L3M57
	Newport N4M Lever: Cast Escutcheon: Cast Cylinder: 1-3/4" Mortise A02 Cam			N4M10	N4M50	N4M55	N4M57
	Regis R3M Lever: Cast Escutcheon: Cast Cylinder: 1-3/4" Mortise A02 Cam			R3M10	R3M50	R3M55	R3M57
	Princeton PR3M Lever: Cast Escutcheon: Cast Cylinder: 1-3/4" Mortise A02 Cam			PR3M10	PR3M50	PR3M55	PR3M57


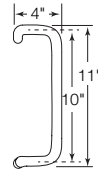

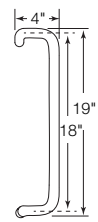

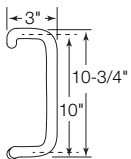
Mortise Trims and Functions

ED6000

Knob or Thumbpiece Trim Design	Trim/Function				
	Passage	Dummy ANSI No. F02	Classroom ANSI No. F05/F08	Nightlatch ANSI No. F03	
 <p>Belmont B4M Knob: Wrought reinforced Escutcheon: Cast Cylinder: 1-1/2" Mortise A02 Cam</p>		B4M10	B4M50	B4M55	B4M57
 <p>Global G5M Knob: Wrought reinforced Escutcheon: Cast Cylinder: 1-1/2" Mortise A02 Cam</p>		G5M10	G5M50	G5M55	G5M57
 <p>D Grip T7M Grip: Extruded Escutcheon: Wrought Cylinder: 1-1/4" Mortise A02 Cam</p>		T7M10	T7M50	T7M55	T7M57
 <p>Round Grip T8M Grip: Extruded Escutcheon: Wrought Cylinder: 1-1/4" Mortise A02 Cam</p>		T8M10	T8M50	T8M55	T8M57
 <p>D Grip Sectional T9M Grip: Extruded Cylinder: 1-1/4" Mortise A02 Cam</p>		T9M10	T9M50	T9M55	T9M57
 <p>Round Grip Sectional T10M Grip: Extruded Cylinder: 1-1/4" Mortise A02 Cam</p>		T10M10	T10M50	T10M55	T10M57

Offset Pull Trims

ED6000

Offset Pull Trim: P12, P13, P14			
	<p>Offset Pull P12 Clearance: 2-1/2 "</p>		<p>Specify Part Number, 716F50M x Finish¹</p>
	<p>Offset Pull P13 Clearance: 2-1/2 "</p>		<p>Specify Part Number, 716F51M x Finish¹</p>
	<p>Offset Pull P14 Clearance: 2-1/2 "</p>		<p>Specify Part Number, 716F52M x Finish¹</p>

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.

Concealed Vertical Rod Exit Features

ED6000

ED6800 Panic-Listed Concealed Vertical Rod Exit Device



ED6800A 3-Hour Fire-Listed Concealed Vertical Rod Exit Device

For use with metal doors only.

Features

Handing

Field reversible; specify hand.

Bar length

Easily field cut to size.

Standard 36" bar fits doors up to 36" (914mm).

Optional 48" bar fits up to 48" (1219mm) doors; specify W048.

Door Thickness

1-3/4" (44mm) only (properly reinforced doors).

Backset

2-3/4" (70mm).

Stile

Minimum width 4-1/8" (108mm).

Door Height

All top rods easily field cut to size.

Standard on ED6800 devices: top rod for doors up to 8'6" .

Optional on ED6800 devices: top rod for doors up to 10' x 8"; see Quick Codes, page 36.

Standard on ED6800A devices: top rod for 7'2" door.

Projection

5-3/4" (150mm); 4-1/2" (114mm) depressed.

Latchbolts

Top: 3/4" (19mm) pivoted and deadlocking.

Bottom: 13/16" (20mm) throw rounded steel.

Rods

Top: 3/8" (10mm) solid steel.

Bottom: 1/2" (13mm) O.D. steel tubing.

Materials

Brass, bronze or stainless steel.

Cases

Heavy wrought, 7-1/4" x 2-9/16" (184mm x 65mm)

Crossbar

Standard: 13/16" x 1-3/8" (20mm x 35mm) oval seamless tubing.

Optional: reinforced crossbar or stainless steel crossbar; see Quick Codes, page 36.

Dogging

Standard on ED6800 devices.

Optional on ED6800 devices: less dogging, specify M51.

Dogging not available on ED6800A devices.

Fasteners

Standard on ED6800 devices: machine screws.

Optional on ED6800 devices: sex nuts and bolts; specify M54.

Optional on ED6800 and ED6800A devices: spanner head screws; specify M02.

Strikes

See Options and Accessories, page 31.

Trims and Functions

Through-bolted knob and operator trims available with wide range of functions. See Trims and Functions, page 26.

Cylinders

Cylinder not included unless specified. See How to Order, page 34.

Applications and Listings

See page 3.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.3, Grade 1.

Meets A117.1 Accessibility Code.

C-UL US

All exit devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. 3-hour fire-rated devices listed as fire exit hardware for A label and less class 8' x 7'2" double doors. UL symbol on active head indicates 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.

NFPA

All exit devices comply with NFPA 101 Life Safety Code. Fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

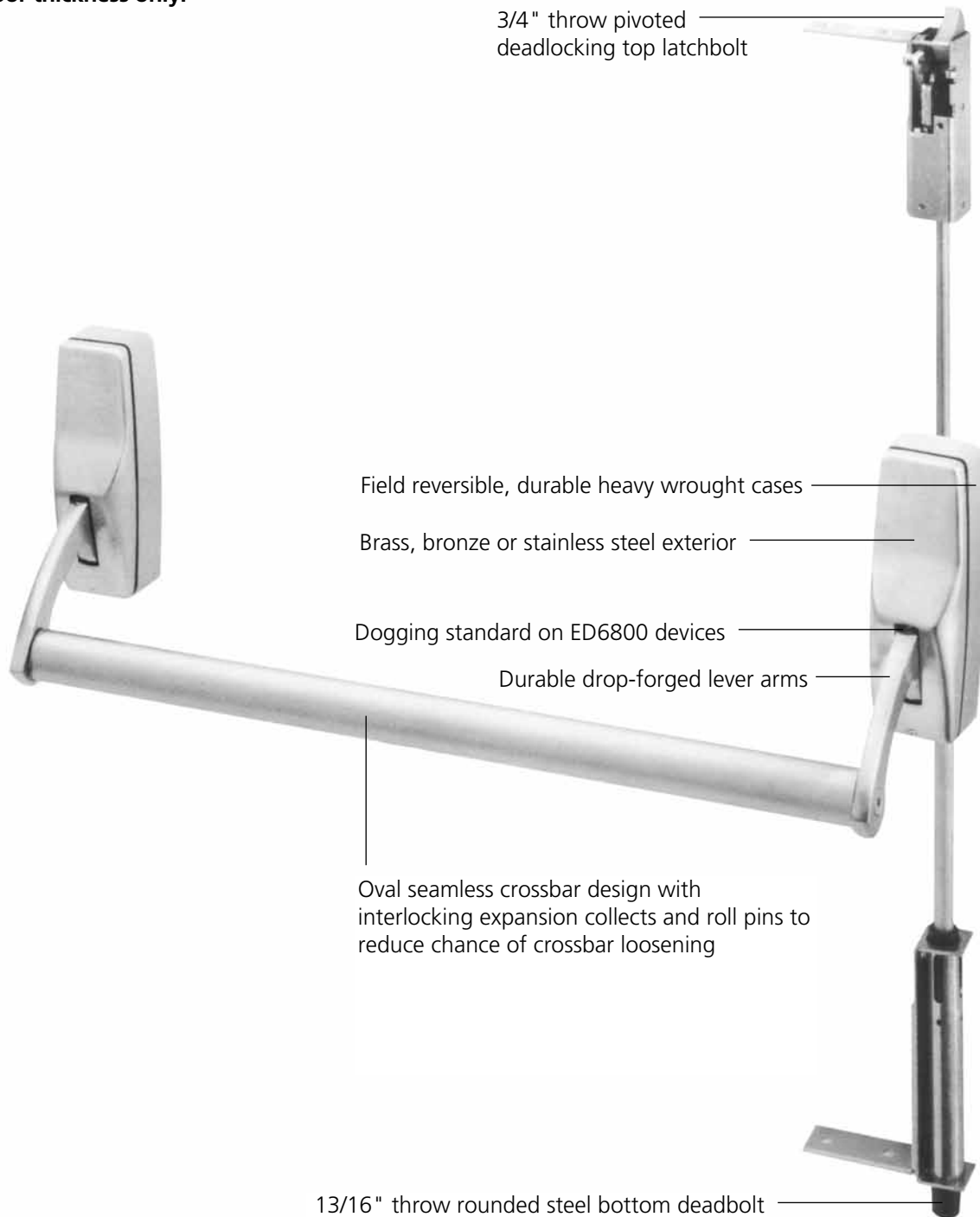
BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 622	Flat Black Coated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
BHMA 722	Black oxidized bronze, oil rubbed

Concealed Vertical Rod Exit Features

ED6000

ED6800 and ED6800A Concealed Vertical Rod Exit Devices


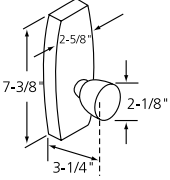

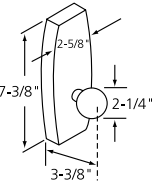

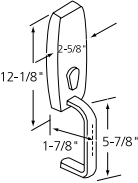

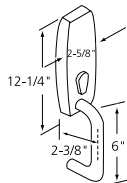
For use with metal doors only.
1-3/4" door thickness only.



CVR Trims and Functions

ED6000

Concealed Vertical Rod Exit Device	ANSI Type	Accepts Trim/Function		Function Description (See Trim Designs Below)
		Type	ANSI No.	
ED6800	8	Exit Only	F01	- Exit only; no trim. (Accepts all trims listed below.)
ED6800A	8	Exit Only	F01	- 3-hour fire-rated exit only; no trim. (Accepts all trims listed below.)
For Passage, Dummy, Classroom and Nightlatch functions, see Trim Designs below.		Passage (10)	—	- Free at all times.
		Dummy (50)	F02	- Always free wheeling.
		Classroom (55)	F08/F11	- Free at all times, except when locked by key.
		Nightlatch (57)	F03/F04/ F09/F12	- Always rigid. Entrance by trim when latchbolt is retracted by key. Key removable only when locked.
ED6800	8	Latch hold back	F04	- Latchbolt held in retracted position by depressing bar and turning key. (Outside Cylinder Dogging.)

Pull Trim Design	Trim/Function			
	Passage	Dummy ANSI No. F02	Classroom ANSI No. F08/F11	Nightlatch ANSI No. F03/F04/ F09/F12
 <p>Belmont B5 Knob: Wrought reinforced Escutcheon: Cast Cylinder: 1-1/2" Mortise A02 Cam</p> 	B510	B550	B555	B557
 <p>Global G6 Knob: Wrought reinforced Escutcheon: Cast Cylinder: 1-1/2" Mortise A02 Cam</p> 	G610	G650	G655	G657
 <p>D Grip Operator 01 Grip: Extruded Escutcheon: Cast Cylinder: Mortise with A92 cam</p> 	N/A	0150	0155	0157 0156*
 <p>Round Grip Operator 02 Grip: Extruded Escutcheon: Cast Cylinder: Mortise with A92 cam</p> 	N/A	0250	0255	0257 0256*

*Key also holds top and bottom latchbolts in retracted position for ANSI No. 04 function. Not available with ED6800A devices.

ED66900 Series Electrically Controlled Mortise Exit Devices

Applications

This series offers the safety features of a heavy-duty mortise crossbar exit devices with the added security of an electrically controlled exit (ECE). Solenoid-operated units are designed for optimum versatility and flexibility, providing both power lock (fail safe) and power unlock (fail secure) functions in AC as well as DE systems. This devices is best used in:

- Stair tower doors
- Perimeter doors
- Security areas
- Computer areas
- Controlled environments

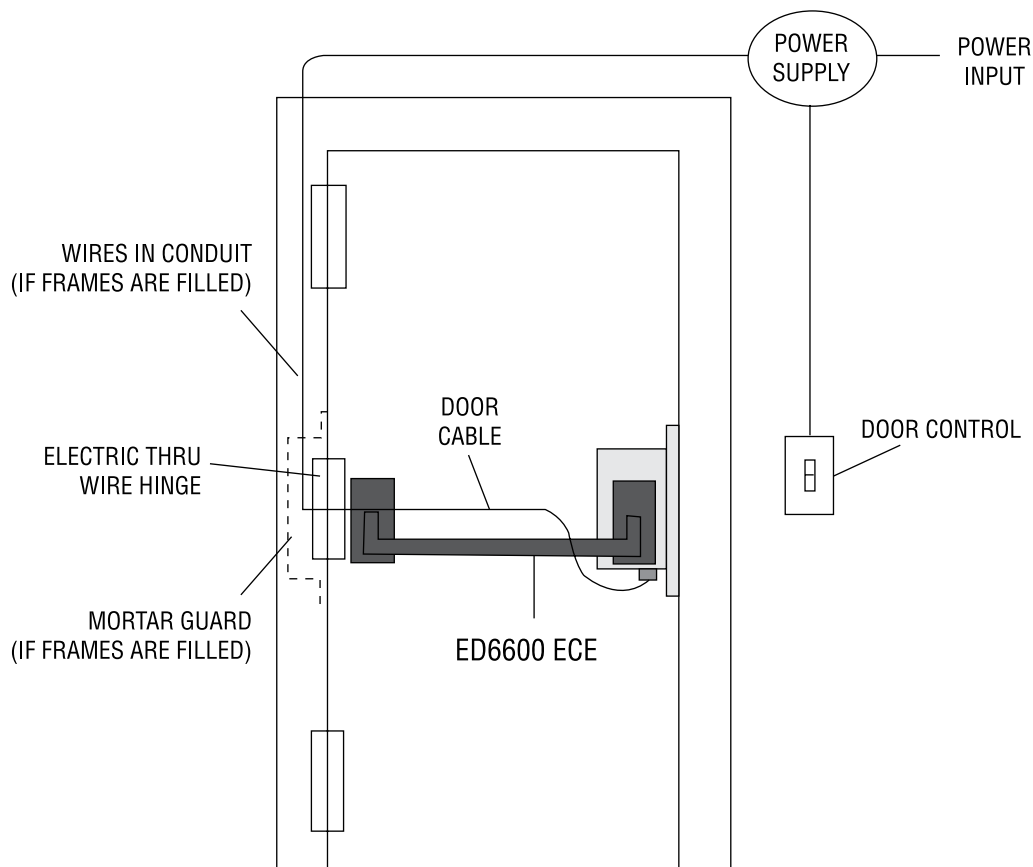
Advantages

- Proven reliability and durability of the Corbin Russwin Mortise Lockset
- Available as fail safe or fail secure
- Key always retracts latchbolt
- Integral solenoid
- Low voltage AC or DC systems available
- Accepts wide range of trims

ElectroLynx®

ElectroLynx, a new quick-connect feature of ASSA ABLOY Group companies, takes the guesswork out of installing electrified door hardware products.

It's ... hardwiring Made Easy. By using standard "plug and play" connectors, a simple "click" links power from the incoming source to electrified locking products, including hinges, locks, exit devices, magnetic holders, and strikes. What normally takes an hour or more can be connected in virtually minutes.



ECE Features

ED6000

ED66900 Panic-Listed ECE Mortise Exit Device

Features

Handing

Field reversible device; specify hand.
Mortise lock and strike are not reversible.

Bar Length

Easily field cut to size.
Standard 36" bar fits doors up to 36" (914mm).
Optional 48" bar fits doors up to 48" (1219mm); specify W048.

Door Thickness

1-3/4" (44mm).
Optional: 2" (51mm) and 2-1/4" (57mm); to order specify D200 or D214.

Backset

2-3/4" (70mm).

Stile

Minimum width: 5" (127mm).

Latchbolt

Brass, 3/4" (19mm) throw.

Auxiliary Latch

Brass.

Front

8" x 1-1/4" (203mm x 32mm) heavy gauge steel.
Accommodates flat doors and doors beveled 1/8" to 2" (3mm to 51mm).

Materials

Brass, bronze or stainless steel.

Cases

Heavy wrought, 7-1/4" x 2-9/16" (184mm x 65mm).

Crossbar

Standard: 13/16" x 1-3/8" (20mm x 35mm) oval seamless tubing.
Optional: reinforced crossbar or stainless steel crossbar; see Quick Codes, page 36.

Dogging

Dogging standard.
Optional: less dogging. Specify M51.

Fasteners

Standard: machine screws.
Optional: sex nuts and bolts; specify M54.
Optional: spanner head screws; specify M02.

Strike

Standard: ANSI strike.
Optional: open back strike and ANSI wrought strike box available; see Options and Accessories, page 32.

Trim

Accepts trims listed on pages 20-22.

Cylinders

Cylinder not included unless specified. See How to Order, page 34.

Operating Current

12VAC	0.8 AMPS
12VDC	0.8 AMPS
24VAC	0.4 AMPS
24VDC	0.4 AMPS

See How to Order, page 35.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.3, Grade 1.

C-UL US

All exit devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on active head indicates listing.

NFPA

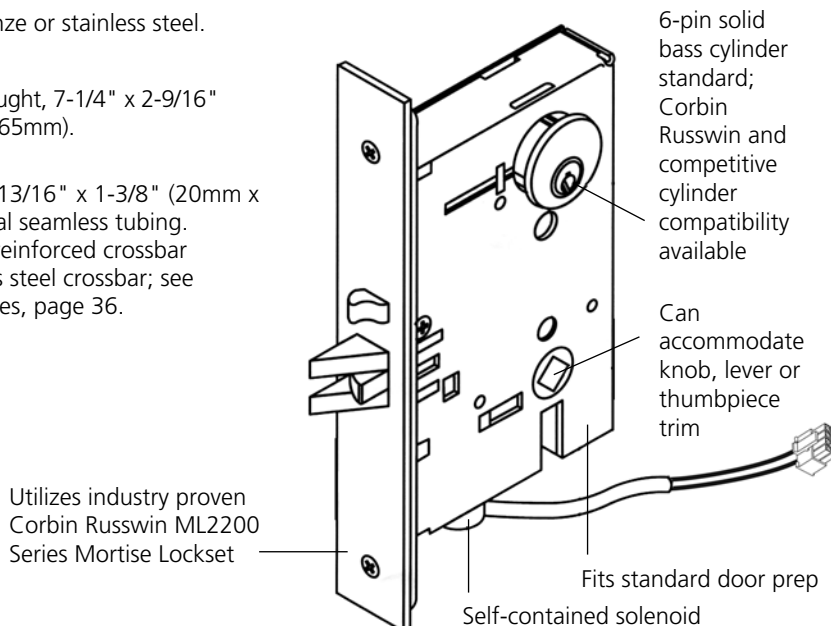
All exit devices comply with NFPA 101 Life Safety Code.

ADA

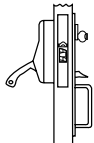
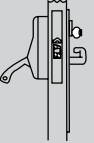
Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

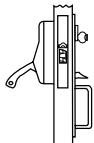
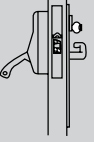
BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 622	Flat Black Coated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield®
BHMA 722	Black oxidized bronze, oil rubbed



The following functions are locked when power is on (Fail Safe).

Inside	Outside	Function	Function Description
		ED66902	<ul style="list-style-type: none"> - When energized, solenoid locks outside trim; thumbpiece is then free-acting and disengaged. - Key retracts latchbolt at all times. - Mortise Lock No. MLE10.
		ED66904	<ul style="list-style-type: none"> - When energized, solenoid locks outside trim; knob or lever is then free-acting and disengaged. - Key retracts latchbolt at all times. - Mortise Lock No. MLE10.

The following functions are unlocked when power is on (Fail Secure).

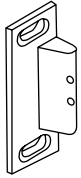
Inside	Outside	Function	Function Description
		ED66901	<ul style="list-style-type: none"> - When energized, solenoid unlocks outside trim. - Thumbpiece retracts latchbolt. - Key retracts latchbolt at all times. - Mortise Lock No. MLE11.
		ED66903	<ul style="list-style-type: none"> - When energized, solenoid unlocks outside trim. - Knob or lever retracts latchbolt. - Key retracts latchbolt at all times. - Mortise Lock No. MLE11.

Options and Accessories

ED6000

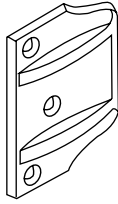
Rim Strikes

(Screws Included)



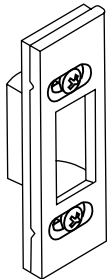
Rim Strike

Standard on ED6200 devices. For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door. Nylon anti-friction inserts for quieter operation. 3-1/4" x 1-1/16" (82mm x 27mm). To order separately, specify 145F55. 1/8" (3mm) shim available for 1/2" (13mm) stop; specify 184F82.



Rim x Vertical Rod Strike

Required for ED6200 devices when used with ED6400 device on a pair of doors. To order with device, specify option S02. To order separately, specify 467F73.



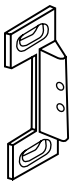
Mortised Adjustable Rim Strike

Optional for ED6200 devices only. Adjustable to compensate for shrinkage and swelling of door. 3-3/4" x 1-9/16" (95mm x 40mm). To order with device, specify option S04. To order separately specify 142F43.



Fire-Rated Rim Strike

Standard on ED6200A devices. Steel with black nylon coating. Surface application; reversible, adjustable. 4-3/8" x 1-9/32" (111mm x 32mm). To order separately, specify 499F59.

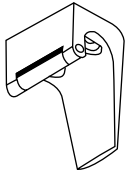


Open Rim Strike

Optional for ED6200 devices. Adjustable to compensate for shrinkage and swelling of door. Nylon anti-friction inserts for quieter operation. 3-1/4" x 1-3/32" (82mm x 28mm). To order with device, specify S05. To order separately, specify 145F56.

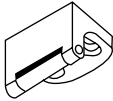
Vertical Rod Strikes

(Screws Included)



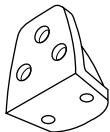
Top Strike for Latch Hold-Back

Standard on ED6400 devices with latch hold-back. 2-3/32" x 1-3/4" x 2-5/32" (53mm x 44mm x 55mm) high. To order separately, specify 392F24.



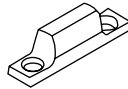
Non-Hold-Back Top Strike

Standard on ED6400 devices without latch hold-back. 1-1/2" x 1-3/4" x 7/8" (38mm x 44mm x 22mm) high. To order separately, specify 392F22.



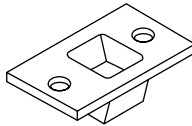
Flush Transom Strike Bracket

Optional for ED6400 devices when mounting top strike on flush transom. To order with device, specify option M67. To order separately, specify 176F65.



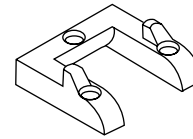
Surface Projecting Bottom Strike

Standard on ED6400 devices. 2-9/16" x 19/32" x 5/8" (65mm x 15mm x 16mm) high. To order separately, specify 502F96.



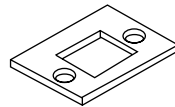
Flush Bottom Strike

Optional for ED6400 devices. 3-1/2" x 1-3/4" x 7/8" (99mm x 44mm x 22mm) deep. To order with devices, specify option S03. To order separately, specify 392F28.



Bottom Strike for Threshold

Optional on ED6400A devices. For use with threshold. To order with device, specify option S06. To order separately, specify 304F34.

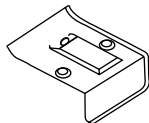


Bottom Strike

Standard on ED6400A devices. To order separately, specify 502F75.

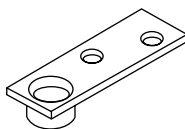
Concealed Vertical Rod Strikes

(Screws Included)



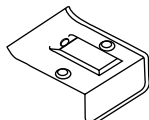
Top Strike

Standard on ED6800 devices. To order separately, specify 503F55.



Bottom Strike

Standard on ED6800 and ED6800A devices. To order separately, specify 503F52.



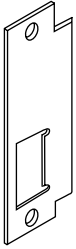
Fire-Rated Top Strike

Standard on ED6800A devices. To order separately, specify 503F56.

Options and Accessories

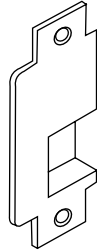
ED6000

Mortise Strikes



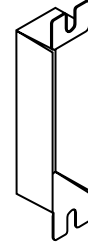
Straight Lip ANSI Strike

Standard on ED6600 and ED6600A. On stainless steel exit devices, stainless steel strike furnished standard. 4-7/8" x 1-1/4" x 1-1/8" (124mm x 32mm x 28mm) lip to center, for 1-3/4" (44mm) doors. To order separately, specify Part No.



Open Back Strike

Optional for use with ED6400 x ED6600 devices on a pair of doors. See How to Order, page 35. To order separately, specify Part No. x Door Thickness x Finish.



ANSI Wrought Strike Box

Optional for use with Mortise Strike on ED6600 and ED6600A devices; specify option M17. To order separately, specify 120F76-8.

Hand	Part No.
RHR	405L14
	240L51 (stainless steel)
LHR	405L13
	240L50 (stainless steel)

Hand	Door Thickness	Part No.
LHR	1-3/4"	411L62 016 FIN
	2"	411L62 018 FIN
	2-1/4"	411L62 020 FIN
RHR	1-3/4"	411L63 016 FIN
	2"	411L63 018 FIN
	2-1/4"	411L63 020 FIN

Filler Plates

Optional for use on stock metal doors when required. To order, specify Part No. x Finish.

Front 334F99-8 600	Strike 236L708018	Front 077F19-8 600

500 Series and 900 Series Removable Mullions

The 500 series and 900 series mullions are used to install two ED7200 Rim Exit Devices in a double door opening. They may be quickly and easily removed, then reinstalled, when a full double door opening is temporarily required. The 500 series and 900 series mullions meet ANSI A156.3, Type 22.

Materials and Finish

Steel mullion with malleable iron top and bottom plates; furnished with zinc plated fasteners for metal frames and concrete floors. May be cut, drilled and tapped in the field for Rim Exit Devices. The 500 series mullions are primed for painting, BHMA 600, grey and the 900 series mullions are primed for painting, BHMA 600, red.

500 Series Mullions - How to Order Removable Mullions

UL Fire Rating ¹	Mullion Opening Height ²	Catalog Number
3-Hour	Up to 7'2"	507
Panic Only	Up to 8'0"	508
Panic Only	Up to 10'0"	510

Notes:

1. UL label on mullion indicates listing.
2. May be field cut for doors.

900 Series Mullions - How to Order Removable Mullions

UL Fire Rating ¹	Mullion Opening Height ²	Catalog Number
Panic Only	Up to 7'0"	907
Panic Only	Up to 8'0"	908
Panic Only	Up to 10'0"	910
3-Hour	Up to 7'0"	907A
3-Hour	Up to 8'0"	908A

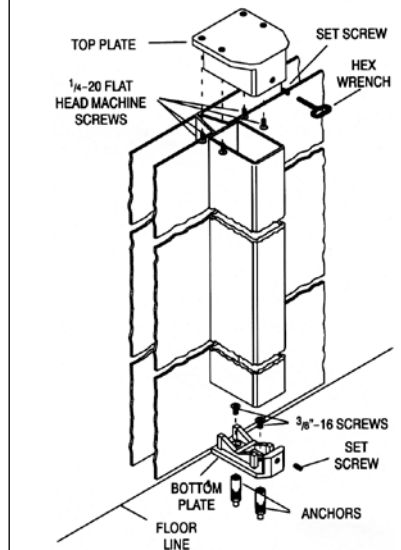
Key Removable Mullions

UL Fire Rating ¹	Mullion Opening Height ²	Catalog Number
1-1/2 Hour	Up to 7'0"	907BKM ³
1-1/2 Hour	Up to 8'0"	908BKM ³
Panic Only	Up to 10'0"	910KM ³

Notes:

1. UL label on mullion indicates listing.
2. May be field cut for doors.
3. Cylinder and collars not included, specify separately. See Cylinders on page 34.

500 Mullion



900 Series Mullions - Options M95- Spacer Block

Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing and also for door frames 5-3/4" (176mm) or less. To order with a mullion, specify M95. To order separately, specify Part No. 683F29-8.

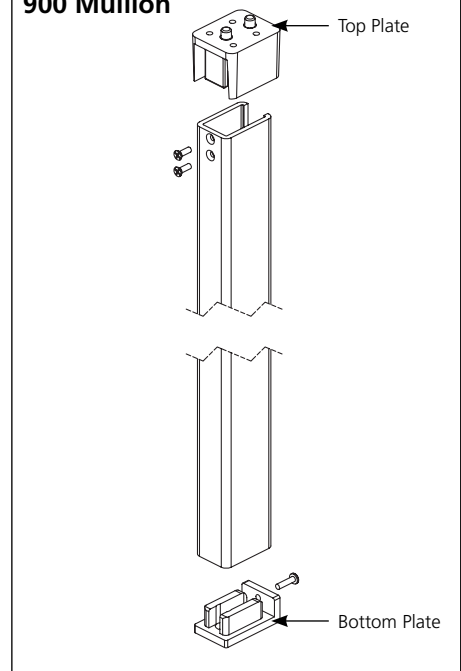
M96- Angle Bracket

Recommended for any header configuration with less than 3" (76mm) of mounting surface. To order with a mullion, specify M96. To order separately, specify Part No. 655F63-8.

M57- Mullion Stabilizer Kit

Controls the movement of the mullion. Recommended for opening over 7' high, or whenever door movement must be minimized. To order with mullion, specify M57. To order separately, specify Part No. 653F11-1 x 695 or 628.

900 Mullion



Cylinders

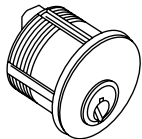
ED6000

Cylinders

- L4 keyway standard; specify other keyways.
- Specify Collar.
- To order with Exit Device, see How to Order, page 35.
- To order separately, specify Part No. x Keyways Finish (e.g., 3000-200 x L4 x 626).

Cylinder Type	Part No.	Description
Rim	3000-200	6-pin, horizontal tailpiece
	3000-200-7	7-pin, horizontal tailpiece
	3010-200	6-pin, horizontal tailpiece, Security
	3012-178	6-pin, blockout function, Security
	3020-200	7-pin, Pyramid High Security
	3027-200	7-pin Pyramid Security
	3027-178	7-pin Pyramid IC Security
	3030-178	7-pin, Pyramid IC High Security
	3040-178	6-pin SFIC Rim Housing
	3040-178-7	7-pin SFIC Rim Housing
	3060-200	6-pin, master ring
	3070-178	6-pin, interchangeable core (IC) less core
	3070-178-7	7-pin, IC less core
	3080-178	6-pin, IC
	3080-178-7	7-pin, IC
	3090-178	6-pin, Security IC
	1000-112-A02	6-pin, 1-1/2" straight cam
	1000-112-A02-7	7-pin, 1-1/2" straight cam
	1000-114-A02-7	7-pin, 1-1/4" straight cam
	1000-114-A92-7	7-pin, 1-1/4" (O1 and O2 trims only)
	1000-118-A02	6-pin, 1-1/8" straight cam
	1000-118-A92	6-pin, 1-1/8" (O1 and O2 trims only)
	1000-134-A02	6-pin, 1-3/4" straight cam
	1000-134-A02-7	7-pin, 1-3/4" straight cam
	1010-112-A02	6-pin, 1-1/2" Security straight cam
1010-118-A02	6-pin, 1-1/8" Security, straight cam	
1010-118-A92	6-pin, 1-1/8" Security (O1 and O2 trims only)	
1010-134-A02	6-pin, 1-3/4" Security straight cam	
1012-114-A02	6-pin, 1-1/4" Security with blockout	
1012-114-A92	6-pin, 1-1/4" Security blockout (O1 and O2 trims only)	
1020-112-A02	7-pin, Pyramid High Security 1-1/2"	
1020-114-A02	7-pin, Pyramid High Security 1-1/4"	
1027-112-A02	7-pin, Pyramid Security IC 1-1/2"	
1027-114-A02	7-pin, Pyramid Security 1-1/4"	
1030-114-A02	7-pin, Pyramid IC High Security 1-1/4"	
1037-114-A02	7-pin, Pyramid Security IC 1-1/4"	
1040-112	7-pin, 1-1/2" SFIC Mortise Housing	
1040-114	6-pin, 1-1/4" SFIC Mortise Housing	
1040-134	7-pin 1-3/4" SFIC Mortise Housing	
1040-138	7-pin, 1-3/8" SFIC Mortise Housing	
1070-114-A02	6-pin, 1-1/4" IC less core	
1080-112-A02	6-pin, 1-1/2" IC straight cam	
1080-112-A02-7	7-pin, 1-1/2" IC straight cam	
1080-114-A02	6-pin, 1-1/4" IC straight cam	
1080-134-A02	6-pin, 1-3/4" IC straight cam	
1080-134-A02-7	7-pin, 1-3/4" IC straight cam	
1090-112-A02	6-pin, 1-1/2" IC Security straight cam	
1090-114-A02	6-pin, 1-1/4" IC Security straight cam	
1090-134-A02	6-pin, 1-3/4" IC Security straight cam	
1000-118-A62	6-Pin	
1000-114-A62-7	7-Pin	
1080-114-A62	6-Pin, IC	
1080-112-A62-7	7-Pin, IC	
1020-114-A62	7-pin, Pyramid High Security	
1027-114-A62	7-pin, Pyramid Security	
1030-114-A62	7-pin, Pyramid High Security IC	
1037-114-A62	7-pin, Pyramid Security IC	
1010-118-A62	Security	
1090-114-A62	Security IC	
1070-114-A62	6-pin, IC, less core	
1070-112-A62-7	7-pin, IC, less core	

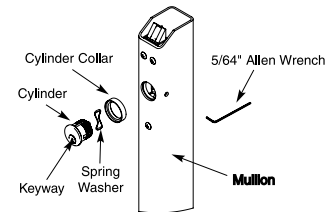
900 Series Key Removable Mullion Mortise Cylinders



900 Series Key Removable Mullion Cylinder Collar Packet

Mullion Series	Cylinder Length and Type			
	1-1/8"	1-1/4"	1-1/4" IC	1-1/2" IC
907BKM	610F01*	447F43*	609F37*	
908BKM				
910KM				

Note: Cylinder collar packets contain a collar and spring washer.
*Specify finish when ordering packets.



Rim Exit Device

Quantity	Exit Device	Finish	Hand	Misc. Options
27	ED6200	630	RHR	M51-M54

Removable Mullion

Quantity	Mullion
9	507

Trim Only (For Rim Exit Device)

Quantity	Trim/Function	Finish	Hand	Door Thickness
34	L210	625	RHR	D214

Where to find ordering information and Quick Codes

Functions and Trims	Pages
Rim and Vertical Rod	Pages 9-12
Fire-Rated Rim	Pages 15-17
Mortise	Pages 20-23
Concealed Vertical Rod	Page 26
Removable Mullion	Page 33
Cylinder and Keying	Page 36
Miscellaneous Options	Page 36
Finish	Page 37
Handing	Page 37
Door Thickness	Page 37
Strike	Page 37
Door Width	Page 37
Door Height	Page 37

Rim Exit Device with Trim

Quantity	Exit Device	Trim/Function	Finish	Hand	Door Thickness	Optional Strike	Door Width	Misc. Options
18	ED6200	N355	605	LHR	D200	S04	W048	M53

Contract/Detailed Order - Rim Exit Device with Trim

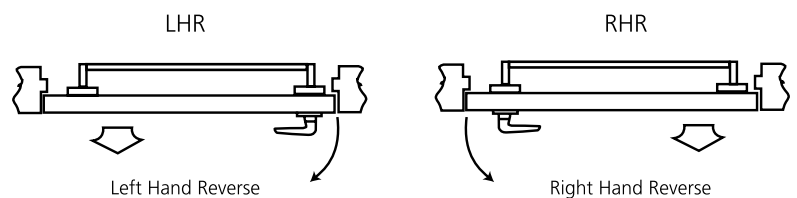
Quantity	Keypad	Exit Device	Trim/Function	Finish	Hand	Door Thickness	Door Width	Door Options	Misc. Options	Cylinder Keying	Keyway
68	AA1	ED6200	C255	626	RHR	D200	W048	M50-M54	7P	VKC3	59A1

Ordering Examples - ED66900 Series

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

Quantity	Mortise Lock	Finish	Hand	Voltage
16	MLE10	626	LHR	24D

Handing



Note: Arrow indicates secure side of door.

Contract/Detailed Order

Quantity	Keypad	Exit Device	Trim/Function	Finish	Hand	Voltage	Options	Misc. Options	Cylinder Keying	Keyway
34	AA1	ED66904	C3M55	626	RHR	12A	M53-M54	6P	VKC3	59A1

Quick Codes

ED6000

Cylinder and Keying

Description	Specify
Conventional 6-pin	6P
Conventional 7-pin	7P
Pyramid Security fixed core ⁴	PS
Pyramid Security IC ¹	PCS
Pyramid High Security fixed core ⁴	PHS
Pyramid High Security IC ¹	PCHS
Pyramid IC with temporary construction core ¹	CTP
Pyramid IC with temporary disposable core ¹	CTPD
Pyramid IC less core ¹	CLP
Security	HS
Security IC ¹	CHS
Blockout function cylinder	BO
IC 6-pin ¹	C6
IC 6-pin with temporary construction core (Red) ¹	CT6R
IC 6-pin with temporary construction core (Blue) ¹	CT6B
IC 6-pin with temporary construction core (Green) ¹	CT6G
IC 6-pin with temporary construction core ¹	CT6
IC 6-pin with temporary disposable core ¹	CT6D
IC 6-pin less core ¹	CL6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin ^{1,2}	C7
IC 7-pin with temporary construction core (Red) ¹	CT7R
IC 7-pin with temporary construction core (Blue) ¹	CT7B
IC 7-pin with temporary construction core (Green) ¹	CT7G
IC 7-pin with temporary construction core ^{1,2}	CT7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
IC 7-pin with temporary disposable core ^{1,2}	CT7D
IC 7-pin less core ^{1,2}	CL7
Less master ring cylinder ³	MR-LC
Master Ring ³	MR
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK (not available for Pyramid)
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 HS, CHS, PHS or PCHS)	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

1. Not available on O1 and O2 trim.

2. Rim only.

3. Complete rim and vertical rod devices are available with master ring trim. However, complete master ring mortise devices are discontinued. Master ring mortise trim is available to support old master ring mortise devices in the field.

4. Not available in ED6600, A4M, C3M, D3M, E3M, L3M, N4M, PR3M, R3M, B4M, G5M trims.



Miscellaneous Options

Description	Specify
Spanner head screws	M02
ANSI wrought strike box	M17
Knurling outside & inside (trim & device; not available with M50)	M20
Knurling outside only (trim side)	M21
Knurling inside only (device side; not available with M50)	M22
Abrasive coat outside and inside (trim and device)	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)	M25
Stainless steel crossbar (not available with M20 or M22)	M50
Less dogging	M51
Steel reinforced crossbar	M53
Sex nuts and bolts (SNBs)	M54
Mullion stabilizer kit	M57
Shim for 2-3/4" backset on doors with 1/2" stop (rim devices only)	M59
Freelatching latchbolts (ED6400 devices only)	M65
Flush transom bracket	M67

Strike

Description	Specify
Rim	
Mortised adjustable	S04
Open	S05
Rim x Vertical Rod	S02
Vertical Rod	
Flush bottom (ED6400 devices only)	S03
3-hour fire-rated bottom for use with threshold	S06
Mortise	
Open back strike	
1-3/4" door thickness	SB134
2" door thickness	SB200
2-1/4" door thickness	SB214
Straight Lip ANSI Strike	
1-3/4" door thickness	(standard)
2" door thickness	SS114
2-1/4" door thickness	SS138

Finish

Description	Specify
US3 Bright Brass	605
US4 Satin Brass	606
US9 Bright Bronze	611
US10 Satin Bronze	612
US10B Dark Oxidized Satin Bronze, oil rubbed	613
US14 Bright Nickel Plated	618
US15 Satin Nickel Plated	619
US19 Flat Black Coated	622
US26 Bright Chromium Plated	625
US26D Satin Chromium Plated	626
— Satin Chrome Plated with MicroShield® 	626C
US32 Bright Stainless Steel	629
US32D Satin Stainless Steel	630
— Satin Stainless Steel with MicroShield® 	630C
— Black oxidized bronze, oil rubbed	722

Door Height

Door	Specify
7'2" (ED6400A and ED6800A devices)	(standard)
7'6" (ED6400 devices)	(standard)
8'6" (ED6800 devices)	(standard)
10'0" (ED6400 devices only)	H1000
10'8" (ED6800 devices only)	H1008

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Door Width

Door	Specify
36" (914mm)	(standard)
48" (1219mm)	W048

Door Thickness

Door	Specify
1-3/4" (44mm)	(standard)
2" (51mm) (except ED6800)	D200
2-1/4" (57mm) (except ED6800)	D214

Voltage

Door	Specify
12 volt alternating current	12A
12 volt direct current	12D
24 volt alternating current	24A
24 volt direct current	24D

Helpful Terms

ED6000

Abrasive Coat

Hard granular material applied to provide a non-slip tactile surface for the visually impaired.

Active Door

In a pair of doors, the door that is operable from the trim side.

Astragal

A vertical member applied to one or both sides of a pair of doors at the meeting edges. The astragal closes the gap between the two doors.

Coordinator

A device used on a pair of doors to ensure that the inactive door closes before the active door.

Deadlocking Latch

A supplemental latch that automatically deadlocks the latchbolt when pressure is applied to it.

Dogging

A mechanism that allows the latchbolt to remain retracted, permitting the door to operate as if it were a push-pull; it cannot be used on fire-rated exit devices.

Double Egress

A pair of doors of the same hand that swing in opposite directions, commonly found in corridors.

Dummy Trim

Trim only. Usually used on the inactive door of a pair of doors for design balance.

Exit Device (Panic Hardware)

A door locking device with a pushpad or crossbar which, when pressed, allows instant exit (egress).

Fire Exit Hardware

An exit device listed by an independent testing laboratory as meeting panic, fire and hose stream test standards; used on fire rated openings.

Hand

The direction a door swings.

Inactive Door

In a pair of doors, the door that is inoperable from the trim side.

Latchbolt

A lock component that has a beveled end and projects into a strike, holding the door in a closed position.

Mullion

A fixed or removable vertical member that divides a door opening and provides a latch surface for a pair of rim exit devices.

Narrow Stile Door

Usually a door having a stile of less than 2-3/4" wide, commonly seen on aluminum or glass front applications.

Open Back Strike

For mortise exit devices, used on the inactive door (usually the vertical rod door) of a pair of doors that swing in the same direction. It permits the inactive door to open or close independently.

Reversible

Pertains to a product that may be changed in the field to accommodate any hand of the door.

Shim Kit

Pieces of metal that permit mounting of an exit device on a door that has a surface projecting vision light (glass bead) molding.

Split Astragal

An astragal that is split through the middle on a pair of doors, allowing both doors to operate independently.

Threshold

A strip fastened to the floor beneath a door. It serves as a stop, prevents heat loss, and provides a strike location for latching the bottom rod of a vertical rod exit device.

Trim

A knob, lever, pull, or thumbpiece used on the outside of an exit device door to control access to an area.

Universal Exit Device

An exit device that may be used on doors of either hand without any modifications.

Keying and Cylinder Terms

Blockout Cylinder

A cylinder which allows all keys to be temporarily blocked from operating. It is set by a blockout key.

Concealed Key Control (CKC)

The marking of standard key symbols on a cylinder in a location that is not visible once the cylinder is installed.

Construction Master Keying (CMK)

A cylinder preparation that allows temporary access by construction personnel.

Control Key

A key used to remove and install interchangeable cores.

Cylinder

A lock component containing the combination that determines which keys will operate.

Security Cylinder

A cylinder which provides extra resistance to picking and unauthorized duplication of keys.

Interchangeable Core (IC)

A cylinder which can be removed and installed quickly with a control key by non-skilled personnel when rekeying is required.

Key Symbol

A letter/number combination in standard industry format (e.g., 1AA, AA1, etc.) which indicates exactly how a key or cylinder fits into a keying system.

Keyway

The opening in a cylinder plug through which the key enters.

Master Keying

Preparation of a cylinder to operate with keys of different levels of access.

Visual Key Control (VKC)

The marking of standard key symbols on keys and on the visible portion of the front of a cylinder.

Suggested Specification ED6000 Series

All exit devices shall be ED6000 Series Crossbar Exit Devices as manufactured by Corbin Russwin Architectural Hardware.

The maximum projection shall be 5-3/4", and 4-1/2" when crossbar is depressed. Exit devices shall have matched twin cases mounted with concealed fastening screws and shall be constructed of brass, bronze or stainless steel. Non-matched twin cases shall not be acceptable. Crossbar lever arms shall be drop forged. Devices shall be field reversible.

Crossbars shall be oval-shaped and shall be a minimum of .065" thick. Crossbars shall interlock into the lever arms by expansion collects and interlocking roll pins. Crossbars attached with rivets shall not be acceptable. Reinforced crossbars and stainless steel crossbars shall be available. All exit devices shall be easily field sized to accommodate various door widths.

Panic listed exit devices shall have dogging standard. Dogging screws shall seat into heat-treated pivots for long life and minimum wear. Panic listed devices shall be available less dogging.

All exit devices shall have ample allowances for easy alignment.

Trims shall be through-bolted with concealed fasteners. Escutcheon, rose and pull trims shall be constructed of brass, bronze or stainless steel. All lever trims shall use cast levers. Wrought levers shall not be acceptable. Lever trims shall match those on Corbin Russwin Mortise and Cylindrical Locksets.

All devices and trims shall be furnished in architectural finishes.

All devices shall be listed by Underwriters Laboratories (UL) for safety as panic hardware. Fire-rated devices shall be UL listed for A label and lesser class doors, 4' x 7'2" single and 8' x 7'2" pair.

Certification:
ANSI A156.3, Grade 1
ANSI A117.1 Accessibility Code
California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

All devices, trims and cylinders shall be from one manufacturer.

All mechanical devices and trims shall carry a one-year limited warranty.

All electro-mechanical devices shall carry a two-year limited warranty.

Suggested Specification ED66900 Series

All exit devices shall be ED66900 Series Electrically Controlled Exit Devices, as manufactured by Corbin Russwin Architectural Hardware.

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

Devices shall fit ANSI standard strike preparation. Other than for wiring, no special door or frame preparation shall be required.

Devices shall be available 12 or 24 volt, AC or DC, and fail safe or fail secure.

Mechanical cylinder override shall be available. Optional cylinders shall include interchangeable core, security and blockout types.

Lock trim (knob, lever or thumbpiece) shall be through-bolted through the lockcase to ensure correct alignment and proper operation.

Certification:
ANSI A156.3, Grade 1
ANSI A117.1 Accessibility Code (lever handle trim)
California State Fire Marshal pursuant to section 13144.1 of the California Health and Safety Code.

All devices, trims and cylinders shall be from one manufacturer.

All mechanical devices and trims shall carry a one-year limited warranty.

All electro-mechanical devices shall carry a two-year limited warranty.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
www.corbinruswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 1-905-738-2478
www.assaabloy.ca

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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Hardwiring Made Easy™



ElectroLynx®

As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening. ElectroLynx® is a registered trademark of ASSA ABLOY Inc.

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

**Corbin
Russwin** 

ASSA ABLOY

ED7000 Series

Narrow Stile Crossbar Exit Devices



ASSA ABLOY, the global leader
in door opening solutions



Applications

ED7000

Narrow Stile Crossbar Exit Devices ED7000 Series



Applications

Since patenting some of the first exit devices nearly a century ago, Corbin Russwin has met rigorous life safety and security requirements, while offering pleasing aesthetics and trouble-free operation. ED7000 Series Crossbar Exit Devices are designed for high-use, high-abuse applications on narrow and regular stile doors in new construction and renovations including:

- Schools and universities
- Health care
- Government
- Commercial and industrial
- Office and retail
- Transportation and utilities
- Hotels and conference centers
- Religious

Advantages

- Meets or exceeds all ANSI Grade 1 requirements
- Heavy-duty construction
- Base metals (brass, bronze and stainless steel) for durability
- Easy-to-use crossbar operation assures quick egress and ADA compliance
- Dogging standard on all panic listed devices
- Through-bolted trims for strength and security
- Wide range of trim styles and finishes to match other Corbin Russwin products
- Devices available to satisfy panic and fire opening requirements

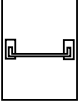
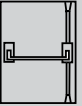
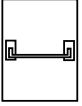
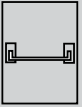
Table of Contents

Applications.....	2
Applications and Listings.....	3
Features, Trims and Functions	
Rim Exit	4
Mullions.....	7
Vertical Rod Exit.....	8
Mortise Exit.....	12
Concealed Vertical Rod Exit	16
Options and Accessories ...	19
How to Order	22
Helpful Terms	25
How to Specify.....	26

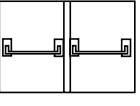
Applications and Listings

ED7000

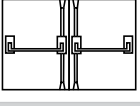
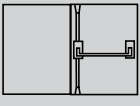
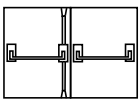
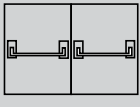
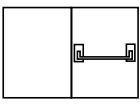
UL Listed by Underwriters Laboratories, Inc., as fire exit hardware

Single Door	Max. Door Opening	Fire Door Ratings					Application	
		A	B, D	C, E				
		3 Hr.	1-1/2 Hr.	3/4 Hr.	1/2 Hr.	1/3 Hr.		
Rim ED7200	None	Devices are panic listed only.					Surface applied; single point latching	
Vertical Rod ED7400	4' x 10'	Devices are panic listed only.					Surface applied; two point latching	
Mortise ED7600	None	Devices are panic listed only.					Mortised in door; single point latching	
ED7600A	4' x 7'2"	UL	UL	UL	UL	UL		
Concealed Vertical Rod ED7800	4' x 10'8"	Devices are panic listed only.					Rods concealed in door; two point latching	
ED7800A	4' x 7'2"	UL	UL	UL	UL	UL		

Pair of Doors with Removable Mullion

Rim x Rim ED7200 x ED7200 x 507	8' x 7'2"	Devices are panic listed only.					2 independent, active doors with removable mullion	
ED7200 x ED7200 x 510	8' x 10'	Devices are panic listed only.						

Pair of Doors

Vertical Rod (Swinging in the same direction) ED7400 x ED7400	8' x 10'	Devices are panic listed only.					2 independent doors with 2 point latching — do not use overlapping astragal	
Vertical Rod (Swinging in Opposite Directions) ED7400 x ED7400	8' x 10'	Devices are panic listed only.					2 independent doors with 2 point latching	
Vertical Rod x Mortise ED7400 x ED7600	8' x 10'	Devices are panic listed only.					Coordinator recommended with standard strike	
ED7400 x ED7600 x Open Back Strike	8' x 10'	Devices are panic listed only.						
Concealed Vertical Rod (Swinging in same direction) ED7800 x ED7800	8' x 10'8"	Devices are panic listed only.					2 independent doors with 2 point latching — do not use overlapping astragal.	
ED7800A x ED7800A	8' x 7'2"	—	UL	UL	UL	UL		
Concealed Vertical Rod (Swinging in opposite directions) ED7800 x ED7800	8' x 10'8"	—	Devices are panic listed only.				2 independent doors with 2 point latching — overlapping astragal required for 3 hour openings	
ED7800A x ED7800A	8' x 7'2"	—	UL	UL	UL	UL		

Rim Exit Features

ED7000

ED7200 Panic Listed Rim Exit Device

Features

Handing

Field reversible; specify hand.

Bar Length

Easily field cut to size.

Standard 36" (914mm) bar fits doors up to 36" (914mm).

Optional 48" (1219mm) bar fits doors up to 48" (1219mm) doors; see How to Order page 24.

Door Thickness

Standard: 1-3/4" (44mm).

Optional: 2" (51mm) and 2-1/4" (57mm); see How to Order, page 24.

Backset

1-3/4" (44mm) with standard strike and 1/2" (13mm) stop. (Backset changes when mullion is used).

Stile

Minimum width 2-1/2" (64mm) with standard strike and 1/2" (13mm) stop.

Projection

4-7/8" (124mm); 3-1/8" (79mm) depressed.

Latchbolt

5/8" (16mm) throw pivoted.

Latch Hold-Back

Standard: latch remains in hold-back position by full rotation of key outside.

Optional: less latch hold-back; see How to Order, page 23.

Materials

Brass, bronze or stainless steel.

Cases

Heavy cast, 7-1/2" (191mm) x 1-1/4" (32mm).

Crossbar

Standard: 13/16" (21mm) x 1-3/8" (35mm) oval seamless tubing.

Optional: reinforced crossbar and stainless steel crossbar; see How to Order, page 23.

Dogging

Standard on ED7200 devices.

Optional: less dogging; see How to Order, page 23.

Fasteners

Standard: machine screws.

Optional: sex nuts and bolts or spanner head screws; see How to Order, page 23.

Strike

See Options and Accessories, page 19.

Removable Mullion

See Mullions, page 7.

Trims and Functions

Through-bolted pull trims available; see Trims and Functions, page 6.

Cylinders

Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see How to Order, page 23.

Keys

Two nickel silver standard.

Applications and Listings

See page 3.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.3, Grade 1.

Meets A117.1 Accessibility Code.

UL/ULC

All exit devices listed for safety as panic hardware; devices comply with UL305 standards for panic hardware. UL symbol on active head indicates listing.



NFPA

All exit devices comply with NFPA 101 Life Safety Code.

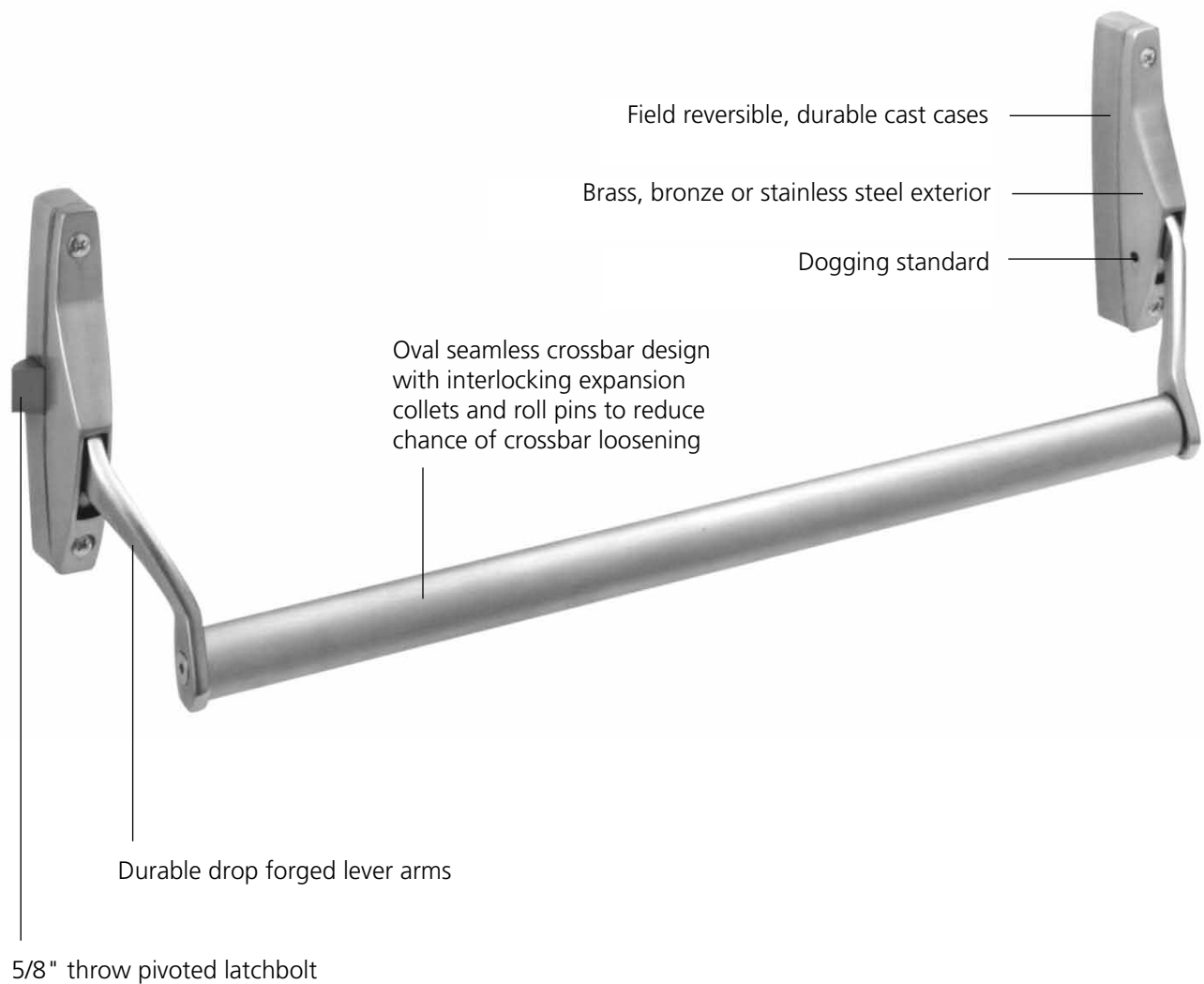
ADA

Exit devices and pull trims comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chrome Plated with MicroShield® 
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield® 
BHMA 722	Black oxidized bronze, oil rubbed



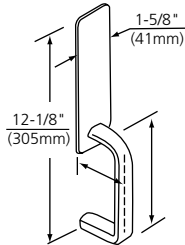


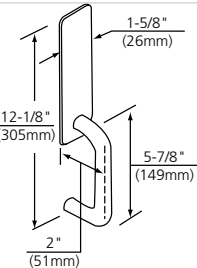


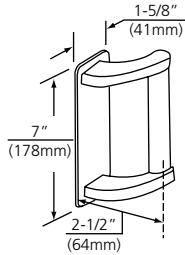

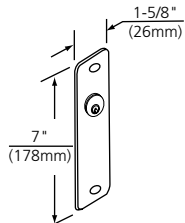
ED7200 Rim Exit Device



Rim Trims and Functions


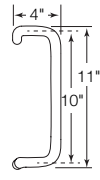

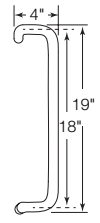

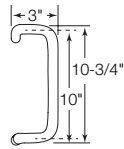
ED7000

Rim Exit Device	ANSI Type	Type	ANSI No.	Function Description
ED7200	4	Exit Only	01	<ul style="list-style-type: none"> Exit only; no trim. (Accepts all trims listed below)
For Dummy and Nightlatch functions, see Trim Designs below.		Dummy	02	<ul style="list-style-type: none"> Always rigid.
		Nightlatch	03/04/09	<ul style="list-style-type: none"> Always rigid. Key removable only when locked.

Pull Trim Design			Trim/Function		
			Dummy ANSI No. 02	Nightlatch ANSI No. 03/04/09	
	D Grip Pull P4 Grip: Extruded Escutcheon: Wrought Cylinder: Rim			P450	P457
	Round Grip Pull P5 Grip: Extruded Escutcheon: Wrought Cylinder: Rim			P560	P557
	Pull P6 Grip: Wrought Escutcheon: Wrought Cylinder: Rim			P650	P657
	Plate P7 Escutcheon: Wrought Cylinder: Rim			N/A	P757

Offset Pull Trims/Mullions

ED7000

Offset Pull Trim: P12, P13, P14			
	<p>Offset Pull P12 Clearance: 2-1/2"</p>		Specify Part Number, 716F50M x Finish ¹
	<p>Offset Pull P13 Clearance: 2-1/2"</p>		Specify Part Number, 716F51M x Finish ¹
	<p>Offset Pull P14 Clearance: 2-1/2"</p>		Specify Part Number, 716F52M x Finish ¹

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.

500 Series Removable Mullions

The 500 series mullions are used to install two ED7200 Rim Exit Devices in a double door opening. They may be quickly and easily removed, then reinstalled, when a full double door opening is temporarily required. The 500 series mullions meet ANSI A156.3, Type 22.

Materials and Finish

Steel mullion with malleable iron top and bottom plates; furnished with zinc plated fasteners for metal frames and concrete floors. May be cut, drilled and tapped in the field for Rim Exit Devices. Primed for painting, BHMA 600, grey.

Mullion Opening Height

- 507 - Accommodates fire-rated door openings up to 7'2" high. May be field cut for doors under 7'2".
- 508 - Accommodates panic-listed door openings up to 8'0" high. May be field cut for doors under 8'0".
- 510 - Accommodates panic-listed door openings up to 10'0" high. May be field cut for doors under 10'0".

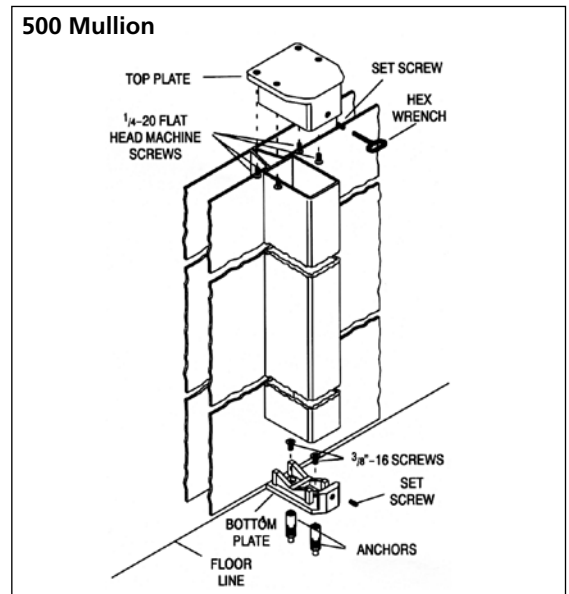
How to Order

UL Fire Rating ²	Mullion Opening Height	Catalog Number
3-Hour	Up to 7'2"	507
Panic Only	Up to 8'0"	508
Panic Only	Up to 10'0"	510

Note:

2. UL label on mullion indicates listing.

ASSA ABLOY, the global leader in door opening solutions



Vertical Rod Exit Features

ED7400

ED7400 Panic Listed Vertical Rod Exit Device

Features

Handing

Field reversible; specify hand.

Bar Length

Easily field cut to size.

Standard 36" (914mm) bar fits doors up to 36" (914mm).

Optional 48" (1219mm) bar fits doors up to 48" (1219mm) doors; see How to Order page 24.

Door Thickness

Standard: 1-3/4" (44mm).

Optional: 2" (51mm) and 2-1/4" (57mm); see How to Order, page 24.

Backset

1-1/8" (26mm) minimum for 1/2" (13mm) stop

1-1/4" (32mm) minimum for 5/8" (16mm) stop.

Stile

Minimum width 1-7/8" (47mm) for 1/2" (13mm) stop; 2" (51mm) for 5/8" (16mm) stop.

Door Height

All top rods easily field cut to size.

Standard; top rod for 7'6" door.

Optional; top rod for doors up to 10'; see How to Order, page 24.

Projection

4-7/8" (124mm); 3-1/8" (79mm) depressed.

Latchbolts

Top: 1/2" (13mm) throw pivoted.

Bottom: 5/8" (16mm) throw pivoted.

Bottom latch acts independently, allowing top latch to remain engaged even when bottom latch is not projected.

Vertical Rods

Inverted U-shaped rectangular with concealed rod guides.

Materials

Brass, bronze or stainless steel.

Cases

Heavy cast.

Active case: 8" x 1-1/4" (203mm) x (32mm).

Inactive case: 7-1/2" x 1-1/4" (191mm) x (32mm).

Top latch: 5-11/16" x 1-1/4" (144mm) x (32mm).

Bottom latch: 5-5/8" x 1-1/4" (143mm) x (32mm).

Crossbar

Standard: 13/16" x 1-3/8" (21mm) x (35mm) oval seamless tubing.

Optional: reinforced crossbar and stainless steel crossbar; see How to Order, page 23.

Dogging

Standard on ED7400 devices.

Optional: less dogging; see How to Order, page 23.

Strikes

See Options and Accessories, page 19.

Trims and Functions

Through-bolted lever, pull and operator trims available; see Trims and Functions, page 10.

Cylinders

Brass, 6-pin, L4 keyway, 0-bitted standard.

Optional cylinders available; see How to Order, page 23.

Keys

Two nickel silver standard.

Applications and Listings

See page 3.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.3, Grade 1.

Meets A117.1 Accessibility Code.

UL/ULC

All exit devices listed for safety as panic hardware; devices comply with UL305 standards for panic hardware. UL symbol on active head indicates listing.

California State Reference Code

(Formerly Title 19, California State Fire Marshal Standard)

Lever with returns comply.



NFPA

All exit devices comply with NFPA 101 Life Safety Code.

ADA

Exit devices, pull trims and lever trims comply with Americans with Disabilities Act.

Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chrome Plated with MicroShield® 
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield® 
BHMA 722	Black oxidized bronze, oil rubbed

Vertical Rod Exit Features

ED7400



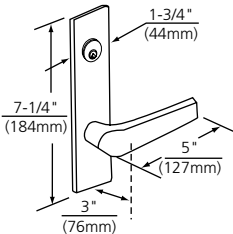


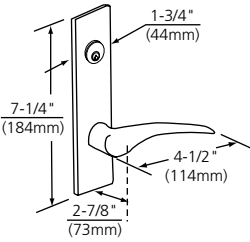
ED7400 Panic Listed Vertical Rod Exit Device



Vertical Rod Trims and Functions




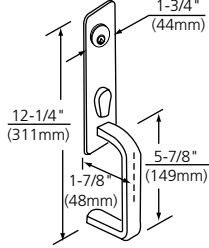



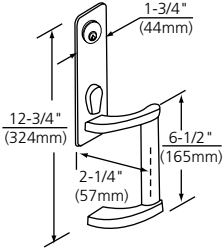
ED7400

Vertical Rod Exit Device	ANSI Type	Type	ANSI No.	Function Description
ED7400	5	Exit Only	01	<ul style="list-style-type: none"> Exit only; no trim. (Accepts operator trim.)
ED7401	5	Exit Only	01	<ul style="list-style-type: none"> Exit only; no trim. (Accepts lever trim. 1-3/4" door only.)
For Dummy and Nightlatch functions, see Trim Designs below.		Classroom	08/11	<ul style="list-style-type: none"> Free at all times, except when locked by key.
		Nightlatch	03/04/09/12	<ul style="list-style-type: none"> Always rigid. Key removable only when locked.

Lever Trim Design (Available with ED7401 devices only.)			Trim/Function	
			Classroom ANSI No. 08	Nightlatch ANSI No. 03/04/09
	<p>Citation C4</p> <p>Lever: Cast Escutcheon: Cast Cylinder: Mortise A02 MR Cylinder: 4266-001-A02 *1-3/4" thick door only</p> 		C455	C457
	<p>Dirke D4</p> <p>Lever: Cast Escutcheon: Cast Cylinder: Mortise A02 MR Cylinder: 4266-001-A02 *1-3/4" thick door only</p> 		D455	D457

Vertical Rod Trims and Functions

ED7400

Operator Trim Design (Available with ED7400 devices only.)		Trim/Function	
		Classroom ANSI No. 11	Nightlatch ANSI No. 03/04/12
	<p>D Grip Operator 03</p> <p>Grip: Extruded Escutcheon: Cast Cylinder: Mortise A02 MR Cylinder: 4266-001-A02</p>  		<p>0355</p> <p>0357 0356*</p>
	<p>Round Grip Operator 04</p> <p>Grip: Extruded Escutcheon: Cast Cylinder: Mortise A02 MR Cylinder: 4266-001-A02</p>  		<p>0455</p> <p>0457 0456*</p>

*Key also used to hold top and bottom latchbolts in retracted position for ANSI No. 4 function.

Mortise Exit Features

ED7600

ED7600 Panic Listed Mortise Exit Device

ED7600A 3 Hour Fire Rated Mortise Exit Device

Features

Handing

Device is field reversible, but strike is not; specify hand.

Bar Length

Easily field cut to size.
Standard 36" (914mm) bar fits doors up to 36" (914mm).
Optional 48" bar fits doors up to 48" (1219mm) doors; see How to Order page 24.

Door Thickness

Standard: 1-3/4" (44mm).
Optional: 2" (51mm) and 2-1/4" (57mm); see How to Order, page 24.

Backset

2-3/4" (70mm).

Stile

Minimum width 5" (127mm).

Projection

4-7/8" (124mm); 3-1/8" (79mm) depressed.

Latchbolt

Stainless Steel, 3/4" (19mm) throw.

Auxiliary Latchbolt

Stainless Steel.

Latch Hold-Back

Standard on ED7600 devices with keyed function trim; latchbolt may be held in retracted position by pushing in latchbolt and turning key.
Optional: less latch hold-back; see How to Order, page 23.
Latch hold-back not available on ED7600A devices.

Front

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

Materials

Brass, bronze or stainless steel.

Cases

Heavy cast, 7-1/2" (191mm) x 1-1/4" (44mm).

Crossbar

Standard: 13/16" (21mm) x 1-3/8" (35mm) oval seamless tubing.
Optional: reinforced crossbar and stainless steel crossbar; see How to Order, page 23.

Dogging

Standard on ED7600 devices.
Optional: less dogging; see How to Order, page 23.
Dogging not available on ED7600A devices.

Fasteners

Standard on ED7600 devices: machine screws.
Optional on ED7600 devices: sex nuts and bolts; see How to Order, page 23.
Standard on ED7600A devices: sex nuts and bolts.
Optional on ED7600 and ED7600A devices: spanner head screws; see How to Order, page 23.

Strike

See Options and Accessories, page 20.

Trims and Functions

Through-bolted lever, knob and thumbpiece trims available; see Trims and Functions, page 14.

Cylinders

Brass, 6-pin, L4 keyway, 0-bitted standard.
Optional cylinders available; see How to Order, page 23.

Keys

Two nickel silver standard.

Applications and Listings

See page 3.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.3, Grade 1.
Meets A117.1 Accessibility Code.

UL/ULC

All exit devices listed for safety as panic hardware; devices comply with UL305 standards for panic hardware. UL symbol on active head indicates listing.
3 hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 7'2" single doors. UL symbol on active head indicates 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)

Levers with returns comply.



NFPA

All exit devices comply with NFPA 101 Life Safety Code. Fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Exit devices and lever trims comply with Americans with Disabilities Act.

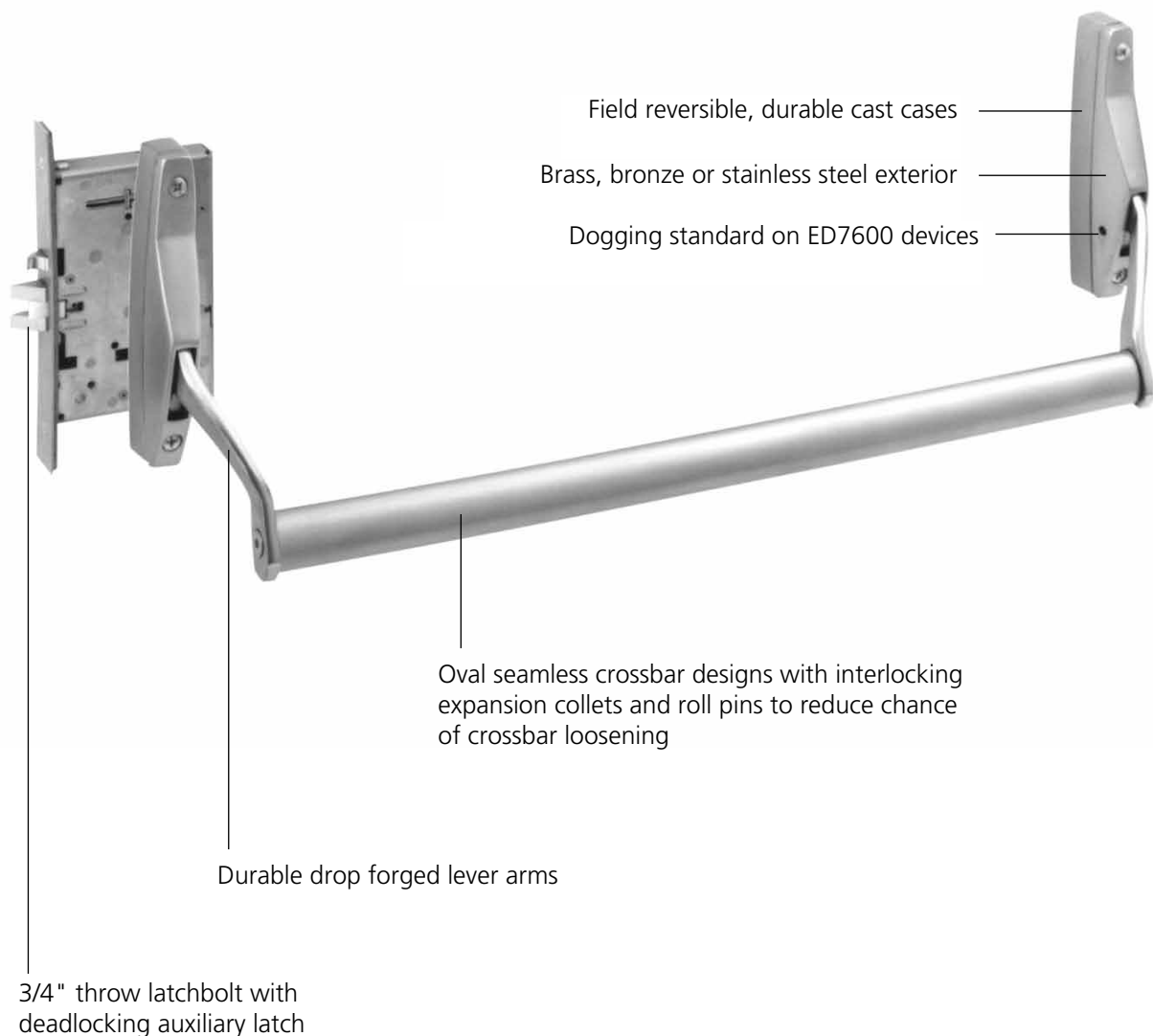
Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chrome Plated with MicroShield® 
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield® 
BHMA 722	Black oxidized bronze, oil rubbed

Mortise Exit Features

ED7600



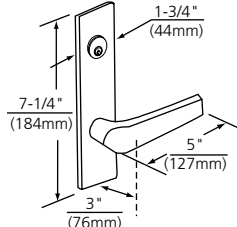


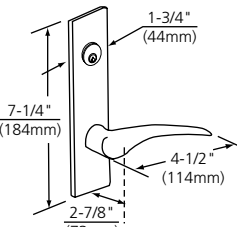


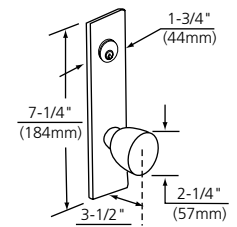


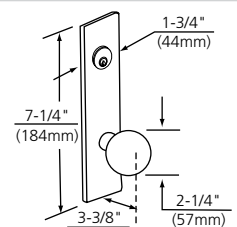
ED7600 and ED7600A Mortise Exit Devices



Mortise Trims and Functions


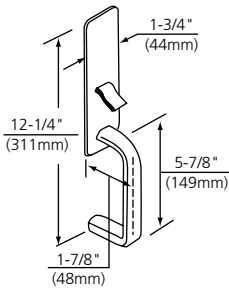

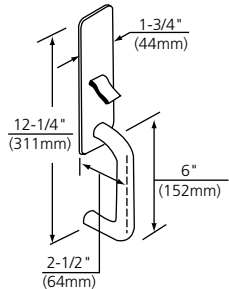

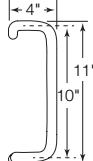

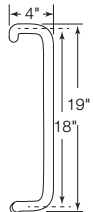

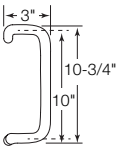
ED7600

Mortise Exit Device	ANSI Type	Type	ANSI No.	Function Description
ED7600	10	Exit Only	01	• Exit only; no trim. (Accepts all trims listed on pages 14 and 15)
ED7600A	10	Exit Only	01	• 3-hour fire-rated exit only; no trim. (Accepts all trims listed on pages 14 and 15.)
For Passage, Dummy, Classroom and Nightlatch functions, see Trim Designs below and on page 15.		Passage	—	• Free at all times.
		Dummy	02	• Always rigid.
		Classroom	05/08	• Free at all times, except when locked by key.
		Nightlatch	03/04/06/09	• Always rigid. Key removable only when locked.

Lever or Knob Trim Design	Trim/Function			
	Passage	Dummy ANSI No. 02	Classroom ANSI No. 05/08	Nightlatch ANSI No. 03/04/06/09
 <p>Citation C4M Lever: Cast Escutcheon: Cast Cylinder: 1-1/2" Mortise A02 (For 1-3/4" Doors)</p>  	C4M10	N/A	C4M55	N/A
 <p>Dirke D4M Lever: Cast Escutcheon: Cast Cylinder: 1-1/2" Mortise A02 (For 1-3/4" Doors)</p>  	D4M10	N/A	D4M55	N/A
 <p>Belmont B5M Knob: Wrought reinforced Escutcheon: Cast Cylinder: 1-1/2" Mortise A02 (For 1-3/4" Doors)</p>  	B5M10	B5M50	B5M55	N/A
 <p>Global G6M Knob: Wrought reinforced Escutcheon: Cast Cylinder: 1-1/2" Mortise A02 (For 1-3/4" Doors)</p>  	G6M10	G6M50	G6M55	N/A

Mortise Trims and Functions

ED7600

Thumbpiece Trim		Trim/Function			
		Passage	Dummy ANSI No. 02	Classroom ANSI No. 05/08	Nightlatch ANSI No. 03/04/06/09
	<p>D Grip T11M Grip: Extruded Escutcheon: Cast Cylinder: 1-1/4" Mortise A02 (For 1-3/4" Doors)</p> 	T11M10	T11M50	T11M55	T11M57
	<p>Round Grip T12M Grip: Extruded Escutcheon: Cast Cylinder: 1-1/4" Mortise A02 (For 1-3/4" Doors)</p> 	T12M10	T12M50	T12M55	T12M57
Offset Pull Trim: P12, P13, P14					
	<p>Offset Pull P12 Clearance: 2-1/2"</p> 	Specify Part Number, 716F50M x Finish ¹			
	<p>Offset Pull P13 Clearance: 2-1/2"</p> 	Specify Part Number, 716F51M x Finish ¹			
	<p>Offset Pull P14 Clearance: 2-1/2"</p> 	Specify Part Number, 716F52M x Finish ¹			

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.

Concealed Vertical Rod Exit Features

ED7800

ED7800 Panic Listed Concealed Vertical Rod Exit Device

ED7800A 3 Hour Fire Rated Concealed Vertical Rod Exit Device

FOR USE WITH METAL DOORS ONLY

Features

Handing

Field reversible; specify hand.

Bar Length

Easily field cut to size.

Standard 36" (914mm) bar fits doors up to 36" (914mm).

Optional 48" (1219mm) bar fits doors up to 48" (1219mm) doors; see How to Order page 24.

Door Thickness

1-3/4" (44mm) only (requires properly reinforced door).

Backset

1-3/8" (35mm) on single door with 5/8" (16mm) stop. 1" (25mm) on pair of doors.

Stile

Minimum width: 2-1/8" (54mm) on single door; 1-3/4" (44mm) on pair of doors.

Door Height

All top rods easily field cut to size.

Standard on ED7800 devices; top rod for doors up to 8'6".

Optional on ED7800 devices; top rod for doors up to 10'8"; see How to Order, page 24.

Standard on ED7800A devices; top rod for 7'2" doors.

Projection

4-7/8" (124mm); 3-1/8" (79mm) depressed.

Latchbolts

Top: 3/4" (19mm) throw pivoted and deadlocking.

Bottom: 13/16" (21mm) throw rounded steel.

Vertical Rods

Top: 3/8" (10mm) solid steel.

Bottom: 1/2" (13mm) O.D. steel tubing.

Materials

Brass, bronze or stainless steel.

Cases

Heavy cast, 7-1/2" (191mm) x 1-1/4" (32mm).

Crossbar

Standard: 13/16" (21mm) x 1-3/8" (35mm) oval seamless tubing.

Optional: reinforced crossbar and stainless steel crossbar; see How to Order, page 23.

Dogging

Standard on ED7800 devices.

Optional: less dogging; see How to Order, page 23.

Dogging not available on ED7800A devices.

Fasteners

Standard on ED7800 devices: machine screws.

Optional on ED7800 and ED7800A devices: spanner head screws; see How to Order, page 23.

Strike

See Options and Accessories, page 20.

Trims and Functions

Operator trim available with nightlatch function; see Trims and Functions, page 18.

Cylinders

Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see How to Order, page 23.

Keys

Two nickel silver standard.

Applications and Listings

See page 3.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.3, Grade 1.

Meets A117.1 Accessibility Code.

UL/ULC

All exit devices listed for safety as panic hardware; devices comply with UL305 standards for panic hardware. UL symbol on active head indicates listing.

3 hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 7'2" single and 8' x 7'2" double doors.

UL symbol on active head indicates 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.



NFPA

All exit devices comply with NFPA 101 Life Safety Code. Fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Exit devices and lever trims comply with Americans with Disabilities Act.

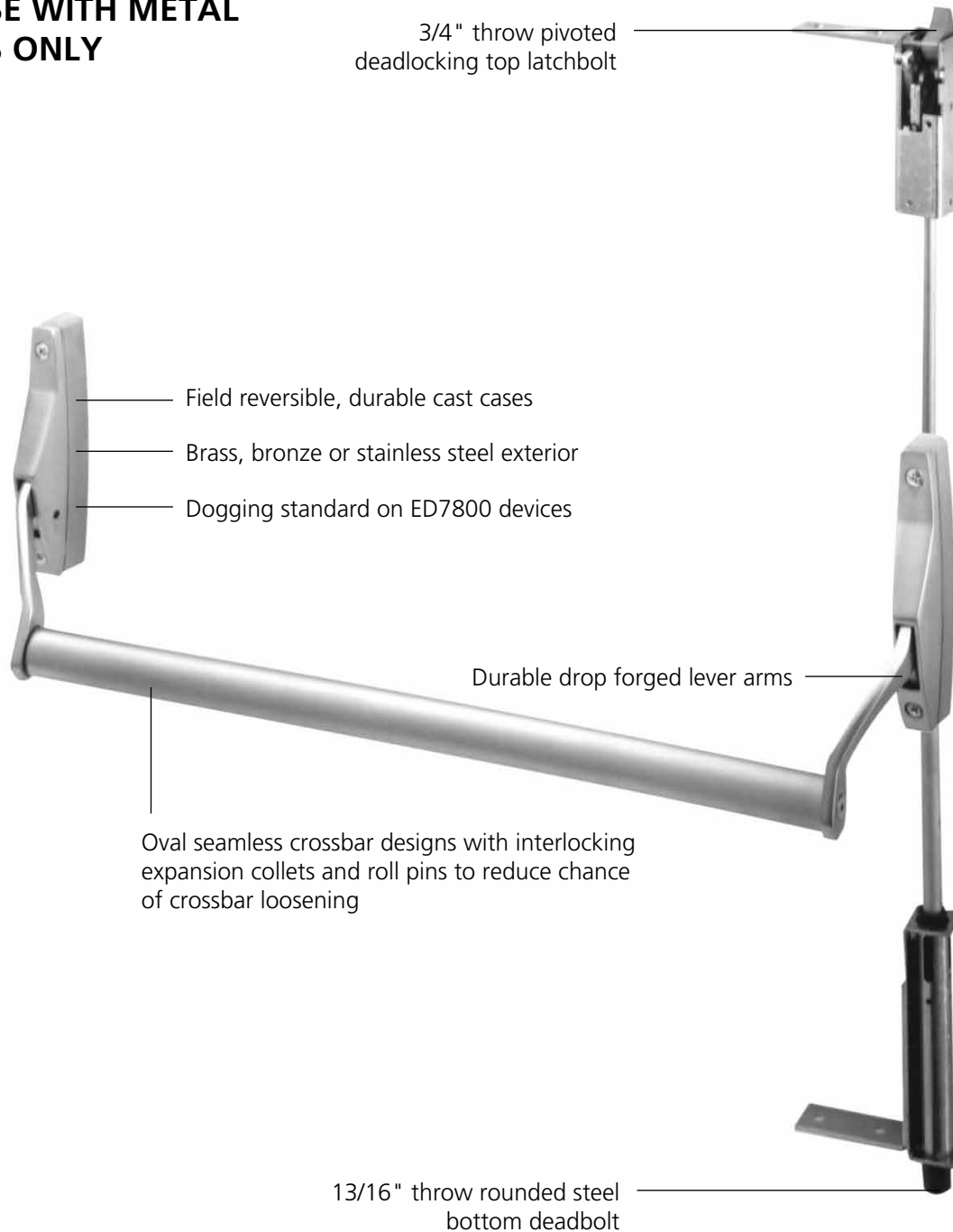
Finishes

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C	Satin Chrome Plated with MicroShield® 
BHMA 629	Bright Stainless Steel
BHMA 630	Satin Stainless Steel
630C	Satin Stainless Steel with MicroShield® 
BHMA 722	Black oxidized bronze, oil rubbed

Concealed Vertical Rod Exit Features

ED7800


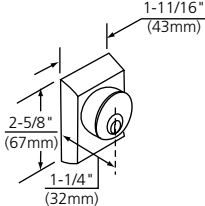
ED7800 and ED7800A Concealed Vertical Rod Exit Devices FOR USE WITH METAL DOORS ONLY



Concealed Vertical Rod Trim and Function

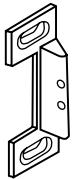
ED7800

Concealed Vertical Rod Exit Device	ANSI Type	Type	ANSI No.	Function Description
ED7800	6	Exit Only	01	<ul style="list-style-type: none"> Exit only; no trim. (Accepts 05 operator trim.)
ED7800A	6	Exit Only	01	<ul style="list-style-type: none"> 3-hour fire-rated exit only; no trim. (Accepts 05 operator trim.)
For Nightlatch function, see Trim Design below.		Nightlatch	09	<ul style="list-style-type: none"> Always rigid. Key removable only when locked.

Operator Trim Design		Trim/Function	
			Nightlatch ANSI No. 09
	<p>Operator 05 Escutcheon: Cast Cylinder: Special Mortise</p>		0557

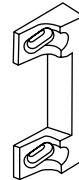
Rim Strikes

(Screws included)



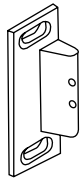
Open Rim Strike

Standard on ED7200 devices, 3-1/4" x 1-3/32" (83mm) x (28mm). Includes nylon anti-friction inserts for quieter operation. To order separately 145F56.



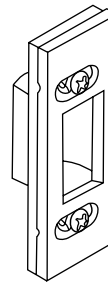
Rim Strike for Aluminum Frame with Blade Stop

Optional on ED7200 devices. Blade strike with wear plate. Includes nylon anti-friction inserts for quieter operation. To order with exit device, specify option S08. To order separately, specify 300F71 strike packet. Packet includes wear plate 213F05-7 and 1/8" (3mm) shim 184F82 for door with 1/2" (12.7mm) stop.



Rim Strike

Optional on ED7200 devices. Includes nylon anti-friction inserts for quieter operation. 3-1/4" x 1-1/16" (83mm) x (27mm), for doors with 5/8" (16mm) or 1/2" (12.7mm) stop. To order with exit device, specify option S07. To order separately, specify 145F55. To order with 1/8" (3mm) shim for door with 1/2" (12.7mm) stop, specify 145F55 x 184F82.

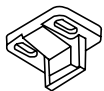


Mortised Adjustable Rim Strike

Optional on ED7200 devices; adjustable to compensate for shrinkage and swelling of door. 3-3/4" (95mm) x 1-9/16" (40mm). To order with exit device, specify option S04. To order separately specify 142F43.

Vertical Rod Strikes

(Screws included)



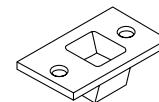
Top Strike

Standard on ED7400 devices. 1-1/2" x 1-3/16" (38mm) x (30mm) with 15/16" (24mm) projection. To order separately, specify 446F21.



Bottom Strike

Standard on ED7400 devices. 2-1/4" x 1" (57mm) x (25mm) with 9/16" (14mm) projection. To order separately, specify packet 446F22.



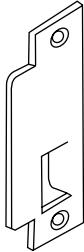
Flush Bottom Strike

Optional on ED7400 devices. To order with exit device, specify option S03. To order separately specify 361F91.

Options and Accessories

ED7000

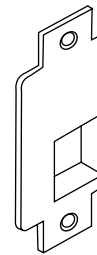
Mortise Strikes



Mortise Strike

Standard on ED7600 and ED7600A devices. Heavy gauge steel, nylon coated; stainless steel standard for stainless steel devices. 4-7/8" x 1-1/4" x 1-1/8" (124mm) x (32mm) x (29mm) lip to center standard; specify other lip lengths from 1-1/4" to 3" (32mm) x (76mm). To order separately, specify Part No.

Description	Hand	Part No.
Heavy gauge steel	LHR	405L13
	RHR	405L14
Stainless steel	LHR	240L50
	RHR	240L51



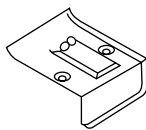
Open Back Strike

(Screws included)
Optional for use with ED7400 x ED7600 devices on pair of doors. To order with exit device, see How to Order, page 24. To order separately, specify Part No. x Door Thickness x Finish.

Hand	Door Thickness	Part No.
LHR	1-3/4", 2", 2-1/4"	411L62
RHR	1-3/4", 2", 2-1/4"	411L63

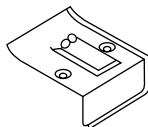
Concealed Vertical Rod Strikes

(Screws included)



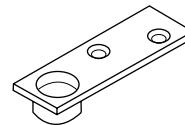
Top Strike

Standard on ED7800 devices. To order separately, specify 503F55.



3-Hour Fire-Rated Top Strike

Standard on ED7800A devices. To order separately, specify 503F56.



Bottom Strike

Standard on ED7800 and ED7800A devices. To order separately, specify; 503F52 for ED7800 devices; 503F53 for ED7800A devices (includes stainless steel screws).

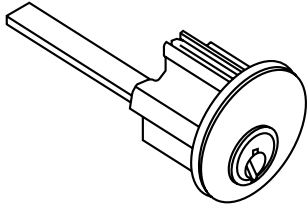
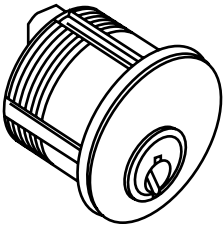
Cylinders

L4 keyway standard; specify other keyways.

Collar not included.

To order with Exit Device, see How to Order, page 23.

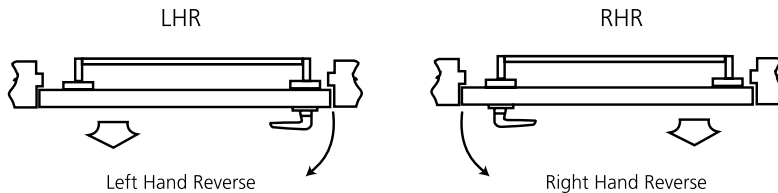
To order separately, specify Part No. x Keyway x Finish (e.g., 3000-200-7 x L4 x 605).

Cylinder Type	Part No.	Description
 <p>Rim</p>	3000-200	6-pin, horizontal tailpiece
	3000-200-7	7-pin, horizontal tailpiece
	3010-200	6-pin, horizontal tailpiece, high security
	3012-178	6-pin, blockout function, high security
	3070-178	6-pin, interchangeable core (IC) less core
	3070-178-7	7-pin, IC less core
	3080-178	6-pin, IC
	3080-178-7	7-pin, IC
	3090-178	6-pin, high security IC
	3020-200	Pyramid High Security fixed core
	3027-200	Pyramid Security fixed core
	3030-178	Pyramid High Security IC
	3037-178	Pyramid Security IC
 <p>Mortise</p>	1000-118-A02	6-pin, 1-1/8" straight cam
	1000-114-A02-7	7-pin, 1-1/4" straight cam
	1010-118-A02	6-pin, 1-1/8" high security straight cam
	1012-114-A02	6-pin, 1-1/4" high security with blockout
	1070-114-A02	6-pin, 1-1/4" IC less core
	1080-114-A02	6-pin, 1-1/4" IC straight cam
	1090-114-A02	6-pin, 1-1/4" IC high security straight cam
	1000-118-A91	6-pin, 1-1/8" (for 02 and 03 trims only)
	1000-114-A91-7	7-pin, 1-1/4" (for 02 and 03 trims only)
	1000-138-A01	6-pin, 1-3/8"
	1000-138-A01-7	7-pin, 1-3/8"
	1010-138-A01	6-pin, 1-3/8" high security
	1070-138-A01	6-pin, 1-3/8" IC less core
	1080-138-A01	6-pin, 1-3/8" IC
	1090-138-A01	6-pin, 1-3/8" IC high security
	1000-112-A02	6-pin, 1-1/2" straight cam (for B4M, C4M and E4M trims only)
	1000-112-A02-7	7-pin, 1-1/2" straight cam (for B4M, C4M and E4M trims only)
	1010-112-A02	6-pin, 1-1/2" high security straight cam (for B4M, C4M and E4M trims only)
	1080-112-A02	6-pin, 1-1/2" IC straight cam (for B4M, C4M and E4M trims only)
	1080-112-A02-7	7-pin, 1-1/2" IC straight cam (for B4M, C4M and E4M trims only)
	1090-112-A02	6-pin, 1-1/2" IC high security straight cam (for B4M, C4M and E4M trims only)
	1020-114-A02	Pyramid High Security fixed core
	1020-112-A02	Pyramid High Security fixed core
	1027-114-A02	Pyramid Security fixed core
	1027-112-A02	Pyramid Security fixed core
	1030-114-A02	Pyramid High Security IC
	1030-138-A02	Pyramid High Security IC
	1030-112-A02	Pyramid High Security IC
	1037-114-A02	Pyramid Security IC
	1037-138-A02	Pyramid Security IC
1037-112-A02	Pyramid Security IC	

How to Order

ED7000

Ordering Examples



Rim Exit Device

Quantity	Exit Device	Finish	Finish	Misc. Options
36	ED7200	606	RHR	M51-M54

Removable Mullion

Quantity	Mullion
12	507

Rim Exit Device with Trim

Quantity	Exit Device	Trim/Function	Finish	Hand	Door Thickness	Optional Strike	Door Width	Misc. Options
23	ED7200	P457	630	LHR	D214	S08	W048	M53

Trim Only (For Rim Exit Device)

Quantity	Trim/Function	Finish	Hand
15	P657	630	LHR

Contract/Detailed Order - Rim Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/Function	Finish	Hand	Door Thickness	Door Width	Misc. Options	Optional Cylinder	Keying
32	AA1	ED7200	P557	625	LHR	D200	W048	M54	C6	VKC3

Where to find ordering information and Quick Codes

Trims and Functions	
Rim	Pages 4-7
Vertical Rod	Pages 8-11
Mortise	Pages 12-15
Concealed	
Vertical Rod	Pages 16-18
Removable Mullion	Page 22
Finish	Page 23
Miscellaneous Options	Page 23
Cylinder and Keying	Page 23
Handing	Page 24
Door Thickness	Page 24
Strike	Page 24
Door Width	Page 24
Door Height	Page 24

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Conventional 7-pin	7P
Pyramid Security fixed core	PS
Pyramid Security IC	PCS
Pyramid High Security fixed core	PHS
Pyramid High Security IC	PCHS
Pyramid IC with temporary construction core	CTP
Pyramid IC less core	CLP
Less cylinder(s)	LC
High security	HS
High security interchangeable core (IC)	CHS
IC 6-pin	C6
IC 6-pin with temporary construction core (Red)	CT6R
IC 6-pin with temporary construction core (Blue)	CT6B
IC 6-pin with temporary construction core (Green)	CT6G
IC 6-pin with temporary construction core	CT6
IC 6-pin less core	CL6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin (rim only)	C7
IC 7-pin with temporary construction core (Red)	CT7R
IC 7-pin with temporary construction core (Blue)	CT7B
IC 7-pin with temporary construction core (Green)	CT7G
IC 7-pin with temporary construction core	CT7
IC 7-pin less core (rim only)	CL7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
SFIC 6- or 7-pin Small Format Disposable Core	CTSD
Master ring (ED7400 only)	MR
Blockout function	BO
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Visual key control (VKC)	
No keying data stamped on key or cylinder	VKC0
Keys only	VKC1
Cylinders and keys (not for HS or CHS)	VKC2
Cylinders only (not for HS or CHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY3)

Finish

Description	Specify
US3 Bright Brass	605
US4 Satin Brass	606
US9 Bright Bronze	611
US10 Satin Bronze	612
US10B Dark Oxidized Satin Bronze, oil rubbed	613
US14 Bright Nickel Plated	618
US15 Satin Nickel Plated	619
US26 Bright Chromium Plated	625
US26D Satin Chromium Plated	626
— Satin Chrome Plated with MicroShield®	626C
US32 Bright Stainless Steel	629
US32D Stain Stainless Steel	630
— Satin Stainless Steel with MicroShield®	630C
— Black oxidized bronze, oil rubbed	722

Miscellaneous Options

Description	Specify
Spanner head screws	M02
ANSI wrought strike box	M17
Knurling outside and inside (trim and device; not available with M50)	M20
Knurling outside only (trim side)	M21
Knurling inside only (device side; not available with M50)	M22
Abrasive coat outside and inside (trim and device)	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)	M25
Stainless steel crossbar (not available with M20 or M22)	M50
Less dogging	M51
Steel reinforced crossbar	M53
Sex nuts and bolts (SNBs) (Not available with ED7800(A) devices)	M54
Shim for 2-3/4" backset on doors with 1/2" stop (rim devices only)	M59
Less latch hold-back (ED7200 and ED7600 devices only)	M66

How to Order

ED7000

Strikes

Description	Specify
Rim	
Open rim (ED7200 devices)	(standard)
Rim	S07
For aluminum frame with blade stop	S08
Mortised adjustable	S04
Vertical Rod	
Top (ED7400 devices)	(standard)
Surface projecting bottom (ED7400 devices)	(standard)
Flush bottom (ED7400 devices only)	S03
Concealed vertical rod	
Top (ED7800 devices)	(standard)
3-hour fire-rated top (ED7800A devices)	(standard)
Bottom (ED7800 and ED7800A devices)	(standard)
Mortise	
ANSI strike	(standard)
Open back	
1-3/4" door thickness	SB134
2" door thickness	SB200
2-1/4" door thickness	SB214

Door Width

Door Width	Specify
36"	(standard)
48"	W048

Door Height

Door Height	Specify
7'6" (ED7400 devices)	(standard)
7'2" (ED7400A and ED7800A devices)	(standard)
10'0" (ED7400 devices only)	H1000
10'8" (ED7800 devices only)	H1008

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Door Thickness

Door Thickness	Specify
1-3/4"	(standard)
2" (except ED7401 x lever trim and ED7800)	D200
2-1/4" (except ED7401 x lever trim and ED7800)	D214

Abrasive Coat

Hard granular material applied to a knob or lever to provide a non-slip tactile surface for the visually impaired.

Active Door

In a pair of doors, the door that is operable from the trim side.

Astragal

A vertical member applied to one or both sides of a pair of doors at the meeting edges. The astragal closes the gap between the two doors.

Coordinator

A device used on a pair of doors to ensure that the inactive door closes before the active door.

Deadlocking Latch

A supplemental latch that automatically deadlocks the latchbolt when pressure is applied to it.

Dogging

A mechanism that allows the latchbolt to remain retracted, permitting the door to operate as if it were a push-pull. It cannot be used on fire-rated exit devices.

Double Egress

A pair of doors of the same hand that swing in opposite directions, commonly found in corridors.

Dummy Trim

Trim only, without a lock. Usually used on the inactive door of a pair of doors.

Exit Device (Panic Hardware)

A door locking device with a pushbar or crossbar which, when pressed, allows instant exit (egress)

Hand

The direction a door swings.

Inactive Door

In a pair of doors, the door that is inoperable from the trim side.

Latchbolt

A lock component that has a beveled end and projects into a strike, holding a door in a closed position.

Mullion

A fixed or removable vertical member that divides a door opening and provides a latch surface for a pair of rim exit devices.

Narrow Stile Door

Usually a door having a stile of less than 2-3/4" wide, commonly seen on aluminum or glass front applications.

Open Back Strike

For mortise exit devices, used on the inactive door (usually the vertical rod door) of a pair of doors that swing in the same direction. It permits the inactive door to open or close independently.

Reversible

Pertains to a product that may be changed in the field to accommodate any hand of the door.

Shim Kit

Pieces of metal that permit mounting of an exit device on a door that has a surface projecting vision light (glass bead) molding.

Split Astragal

An astragal that is split through the middle on a pair of doors, allowing both doors to operate independently.

Threshold

A strip fastened to the floor beneath a door. It serves as a stop, prevents heat loss, and provides a strike location for latching the bottom rod of a vertical rod exit device.

Trim

A knob, lever, pull, or thumbpiece used on the outside of an exit device door to control access to an area.

Universal Exit Device

An exit device that may be used on doors of either hand without any modifications.

Keying and Cylinder Terms

Blockout Cylinder

A cylinder which allows all keys to be temporarily blocked from operating. It is set by a blockout key.

Concealed Key Control (CKC)

The marking of standard key symbols on a cylinder in a location that is not visible once the cylinder is installed.

Construction Master Keying (CMK)

A cylinder preparation that allows temporary access by construction personnel.

Control Key

A key used to remove and install interchangeable cores.

Cylinder

A lock component containing the combination that determines which keys will operate.

Flex Head Cylinder

A cylinder with built-in adjustment for minor variations in door and trim thickness.

High Security Cylinder

A cylinder which provides extra resistance to picking and unauthorized duplication of keys.

Interchangeable Core (IC)

A cylinder which can be removed and installed quickly with a control key by non-skilled personnel when rekeying is required.

Key Symbol

A letter/number combination in standard industry format (e.g., 1AA, AA1, etc.) which indicates exactly how a key or cylinder fits into a keying system.

Keyway

The opening in a cylinder plug through which the key enters.

Master Keying

Preparation of a cylinder to operate with keys of different levels of access.

Master Ring Cylinder

A cylinder which offers a wider range of keying.

Visual Key Control (VKC)

The marking of standard key symbols on keys and on the visible portion of the front of a cylinder.

How to Specify

ED7000

Suggested Specification

All exit devices shall be ED7000 Series Narrow Stile Crossbar Exit Devices as manufactured by Corbin Russwin Architectural Hardware, Berlin, Connecticut, USA.

The maximum exit device projection shall be 4-7/8", and 3-1/8" when crossbar is depressed. Exit devices shall have matched twin cases mounted with concealed fastening screws, and shall be constructed of brass, bronze or stainless steel. Non-matched twin cases shall not be acceptable. Crossbar lever arms shall be drop forged. Devices shall be field reversible.

Crossbars shall be oval shaped and shall be a minimum of .065" thick. Crossbars shall interlock into the lever arms by expansion collets and interlocking roll pins. Crossbars attached with rivets shall not be acceptable. Reinforced crossbars and stainless steel crossbars shall be available. All exit devices shall be easily field sized to accommodate various door widths.

Panic listed exit devices shall have dogging standard. Dogging screws shall seat into heat-treated pivots for long life and minimum wear. Panic listed devices shall be available less dogging.

All devices shall be listed by Underwriters Laboratories (UL) for safety as panic hardware. Fire-rated devices shall be UL listed for A label and lesser class doors, 4' x 7'2" single and 8' x 7'2" pair.

All exit devices shall have ample allowances for easy alignment.

Trims shall be through-bolted with concealed fasteners. Escutcheon, rose and pull trims shall be constructed of brass, bronze or stainless steel. All lever trims shall use cast levers. Wrought levers shall not be acceptable. Lever trims shall match those on Corbin Russwin Mortise and Cylindrical Locksets.

All devices and trim shall be furnished in architectural finishes and shall match the trims and finishes on corresponding locksets.

Certification:
Federal Specification FF-H-1820
ANSI A156.3 Grade 1

All devices, trims, and cylinders shall be from one manufacturer.

All devices and trims shall carry a one-year limited warranty.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
www.corbinruswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 1-905-738-2478
www.assaabloy.ca

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



MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.

MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

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

**Corbin
Russwin** 

ASSA ABLOY

ED8000 Series

Pushpad Exit Devices



ASSA ABLOY, the global leader
in door opening solutions



Introduction

ED8000

Applications

Heavy-duty steel construction and Grade 1 performance, priced for outstanding value.

Meets rigorous life safety and security requirements, while offering pleasing aesthetics and trouble-free operation. Designed for high-use, high-abuse situations, ED8000 Pushpad Exit Devices can be teamed with a variety of Corbin Russwin trims to provide desired functions, styles and finishes in new construction and renovations, including these settings:

- School and University
- Health Care
- Government and Public
- Commercial and Industrial
- Office and Retail
- Transportation and Utilities
- Hotels and Conference Centers
- Religious

Advantages

- Meets ANSI Grade 1 requirements
- Easy-to-use pushpad for quick egress and ADA compliance
- Heavy-duty steel construction
- 3/4" latchbolt standard on rim device
- Low profile and projection for barrier-free code compliance
- No projecting parts to inhibit egress
- Devices accommodate various trim functions for flexibility
- Wide range of trim styles and finishes to match other Corbin Russwin products
- One-point dogging standard on panic-listed devices
- Devices available to satisfy C-UL US safety and fire requirements

Table of Contents

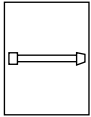
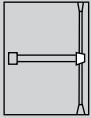
Introduction.....	2
Applications and Listings.....	3
Rim Exit Features.....	4
Surface Vertical Rod Exit Features	6
Rim/Vertical Rod Trims and Functions	8
Options & Accessories.....	11
Cylinders.....	12
Mullions.....	13
Electrified Options.....	14
How to Order	15
Quick Codes	16
Helpful Terms	18
How to Specify	19

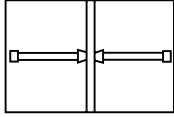
Applications and Listings

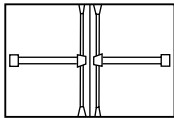
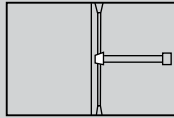
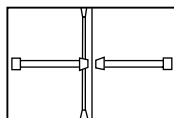
ED8000

WHI Listed by Warnock Hersey International Inc., as fire exit hardware.

C-UL US Listed by Underwriters Laboratories Inc., as fire exit hardware.

Single Door	Listing	Maximum Opening	Application	
Rim ED8200 ED8200B ED8200A	Panic 1-1/2 Hr. WHI 3Hr. UL	4' x * 4' x 8' 4' x 8'	Surface applied; single point latching.	
Surface Vertical Rod ED8400	Panic	4' x 10'	Surface applied; two point latching.	

Pair of Doors with Removable Mullion	Listing	Maximum Opening	Application	
Rim x Rim ED8200 x ED8200 x 510/910 ED8200B x ED8200B x 508/908A ED8200A x ED8200A x 508/908A	Panic 1-1/2 Hr. WHI 3Hr. UL	8' x 10' 8' x 8' 8' x 8'	2 independent active doors with removable mullion.	

Pair of Doors	Listing	Maximum Opening	Application	
Surface Vertical Rod x Surface Vertical Rod ED8400 x ED8400 ED8400A x ED8400A	Panic 1-1/2 Hr. UL	8' x 10' 8' x 8'	2 independent doors with 2 point latching, swinging in the same direction. Overlapping astragal may not be required.	
Surface Vertical Rod x Surface Vertical Rod (Double Egress) ED8400 x ED8400 ED8400A x ED8400A	Panic 3 Hr. UL	8' x 10' 8' x 8'	2 independent doors with 2 point latching, swinging in opposite directions. Overlapping astragal required for 3-hour openings.	
Surface Vertical Rod x Rim ED8400 x ED8200 x S02	Panic	8' x 10'	S02 strike required on inactive door; coordinator recommended.	

Note: All ED8000 Series Pushpad Exit Devices are UL305 panic listed.

*UL does not set a door height limitation on panic applications.

Rim Exit Features

ED8000

- ED8200** Panic Listed Rim Exit Device
- ED8200B** 1-1/2 Hour Fire Listed Rim Exit Device
- ED8200A** 3-Hour Fire Listed Rim Exit Device



Features

Handing

Non-handed.

Bar Length

Easily field cut to size.

Standard: 36" bar fits 31" - 36"

(787mm-914mm) door.

Optional: 30" bar fits 28" - 30"

(711mm-762mm) door; specify W030.

Optional: 42" bar fits 37" - 42"

(940mm-1067mm) door; specify W042.

Optional: 48" bar fits 43" - 48"

(1092mm-1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.

Optional: 2" (51mm); specify D200.

Optional: 2-1/4" (57mm); specify D214.

Backset

2-3/4" (70mm). Device and trim cover standard ANSI A115.2 (Type 161) cylindrical lock preparation. (Backset changes when mullion is used.)

Stile

Minimum width 5" (127mm).

Projection

2-1/2" (64mm) low profile for barrier-free access.

Latchbolt

3/4" (19mm) stainless steel pullman-type with stainless steel deadlocking latch.

Materials

Heavy-duty wrought steel chassis and pushpad; aluminum front and rear bar covers; stainless steel springs; nylon bearings.

Dogging

Standard on ED8200 devices: single point 1/4 turn dogging.

Optional: less dogging; specify M51.

Dogging not available on ED8200A and ED8200B devices.

Fasteners

Standard on ED8200 devices: machine screws and wood door fasteners.

Optional on ED8200 devices: sex nuts and bolts; specify M54.

Standard on ED8200A and ED8200B devices: sex nuts and bolts.

Strike

See Options and Accessories, page 11.

Functions and Trims

Thru-bolted lever, pull and knob trims available with wide range of functions; see Trims and Functions, pages 8-10.

Cylinders

Cylinder not included unless specified. See Quick Codes, page 16.

Removable Mullion

See Mullions, page 13.

Shim Kit

Optional for mounting device over glass bead vision light; specify M58.

Applications and Listings

See page 3.

Exit Alarm

Optional on ED8200 and ED8200B devices, with and without delay feature. See Electrified Options, page 14, or Quick Codes, page 17.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.3, Type 1, Grade 1.

Meets A117.1 Accessibility Code.

C-UL US

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on rear cover label indicates listing. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 4' x 8' single or 8' x 8' double doors; UL symbol on rear cover label indicates 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.

Warnock Hersey International Inc.

ED8200B listed as fire exit hardware for installation on up to 1-1/2 hour fire doors, up to 8' x 8'.

California State Reference Code

This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code.

NFPA

All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Exit devices, lever trims and pulls comply with Americans with Disabilities Act.

Finishes

Painted finishes available on devices and some trims.

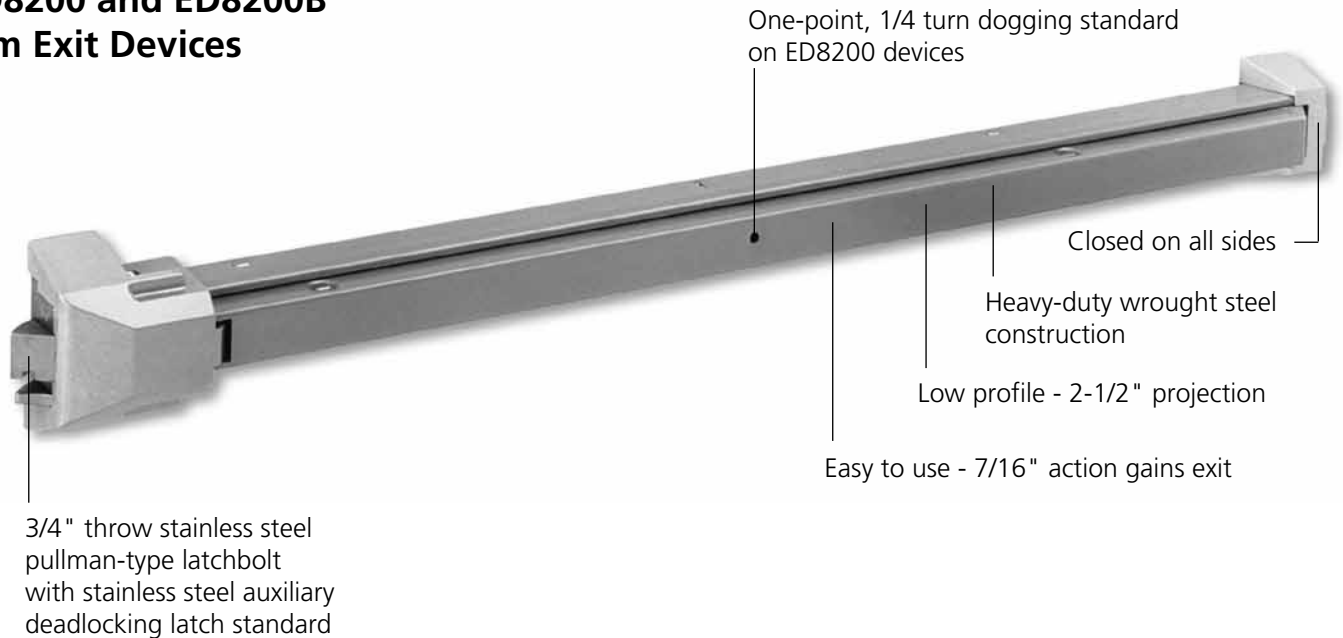
BHMA 689	Silver Aluminum Painted
BHMA 690	Dark Bronze Painted
BHMA 691	Light Bronze Painted
Plated finishes available on trims only.	
BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze
BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
BHMA 618	Bright Nickel Plated
BHMA 619	Satin Nickel Plated
BHMA 622	Flat Black Coated
BHMA 625	Bright Chromium Plated
BHMA 626	Satin Chromium Plated
626C*	Satin Chromium Plated with MicroShield®
BHMA 722	Black oxidized bronze, oil rubbed

*G10, A6, N6 & PR6 trims are available with MicroShield®.

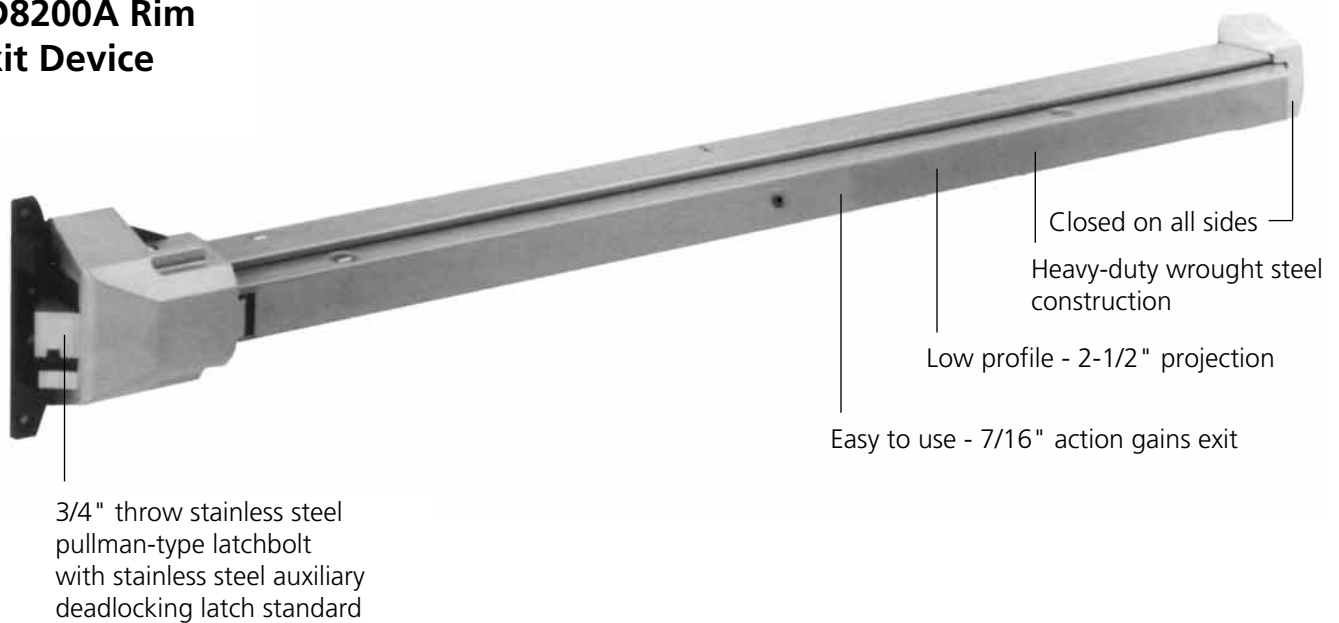
Rim Exit Features

ED8000

ED8200 and ED8200B Rim Exit Devices



ED8200A Rim Exit Device



Vertical Rod Features

ED8000

ED8400 Panic Listed Surface Vertical Rod Exit Device ED8400A 3-Hour Fire Listed Surface Vertical Rod Exit Device

Features

Handing

Handed; specify hand.

Bar Length

Easily field cut to size.

Standard: 36" bar fits 31" - 36" (787mm-914mm) door.

Optional: 30" bar fits 28" - 30" (711mm-762mm) door; specify W030.

Optional: 42" bar fits 37" - 42" (940mm-1067mm) door; specify W042.

Optional: 48" bar fits 43" - 48" (1092mm-1219mm) door; specify W048.

Door Thickness

1-3/4" (44mm) standard.

Optional: 2" (51mm); specify D200.

Optional: 2-1/4" (57mm); specify D214.

Backset

2-3/4" (70mm). Device and trim cover standard ANSI A115.2 (Type 161) cylindrical lock preparation.

Stile

Minimum width 5" (127mm).

Door Height

All top rods easily field cut to size.

Standard on ED8400 devices: top rod for 7'6" door.

Optional on ED8400 devices: top rod for doors up to 10'; specify H1000.

Standard on ED8400A devices: top rod for 8' door.

Projection

2-1/2" (64mm) low profile for barrier-free access.

Latchbolts

ED8400 devices:

Top: 1/2" interlocking drop latch.

Bottom: 5/8" pivoted.

ED8400A devices:

Top: 3/4" (19mm) steel pullman type with steel deadlocking latch. Bottom: 3/4" (19mm) deadbolt.

Vertical Rods

Inverted U-shaped rectangular.

Materials

Heavy-duty wrought steel chassis and pushpad; steel vertical rods; aluminum bar and latch covers; stainless steel springs; nylon bearings.

Dogging

Standard on ED8400 devices: single point 1/4 turn dogging.

Optional: less dogging; specify M51.

Dogging not available on ED8400A devices.

Fasteners

Standard on ED8400 devices: machine screws and wood door fasteners.

Optional on ED8400 devices: sex nuts and bolts; specify M54.

Standard on ED8400A devices: sex nuts and bolts.

Strike

See Options and Accessories, page 11.

Functions and Trims

Thru-bolted lever, pull and knob trims available with wide range of functions; see Trims and Functions, pages 8-10.

Cylinders

Cylinder not included unless specified. See Quick Codes, page 16.

Applications and Listings

See page 3.

Shim Kit

Optional for mounting device over glass bead vision light; specify M58.

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.3, Type 2, Grade 1.

C-UL US

All devices listed for safety as panic hardware; devices comply with UL 305 standards for panic hardware. UL symbol on rear cover label indicates listing. Three-hour fire-rated devices listed as fire exit hardware for A label and lesser class 8' x 8' double doors; UL symbol on rear cover label indicates 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

This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code.

NFPA

All exit devices comply with NFPA 101 Life Safety Code. All fire-rated devices comply with NFPA 80 Fire Doors and Windows.

ADA

Lever trims and pulls comply with Americans with Disabilities Act.

Finishes

Painted finishes available on devices and some trims.

BHMA 689	Silver Aluminum Painted
BHMA 690	Dark Bronze Painted
BHMA 691	Light Bronze Painted

Plated finishes available on trims only.

BHMA 605	Bright Brass
BHMA 606	Satin Brass
BHMA 611	Bright Bronze
BHMA 612	Satin Bronze

BHMA 613	Oxidized Bronze, oil rubbed, available lacquered
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BHMA 618	Bright Nickel Plated
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BHMA 619	Satin Nickel Plated
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BHMA 622	Flat Black Coated
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BHMA 625	Bright Chromium Plated
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BHMA 626	Satin Chromium Plated
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626C*	Satin Chromium Plated with MicroShield® 
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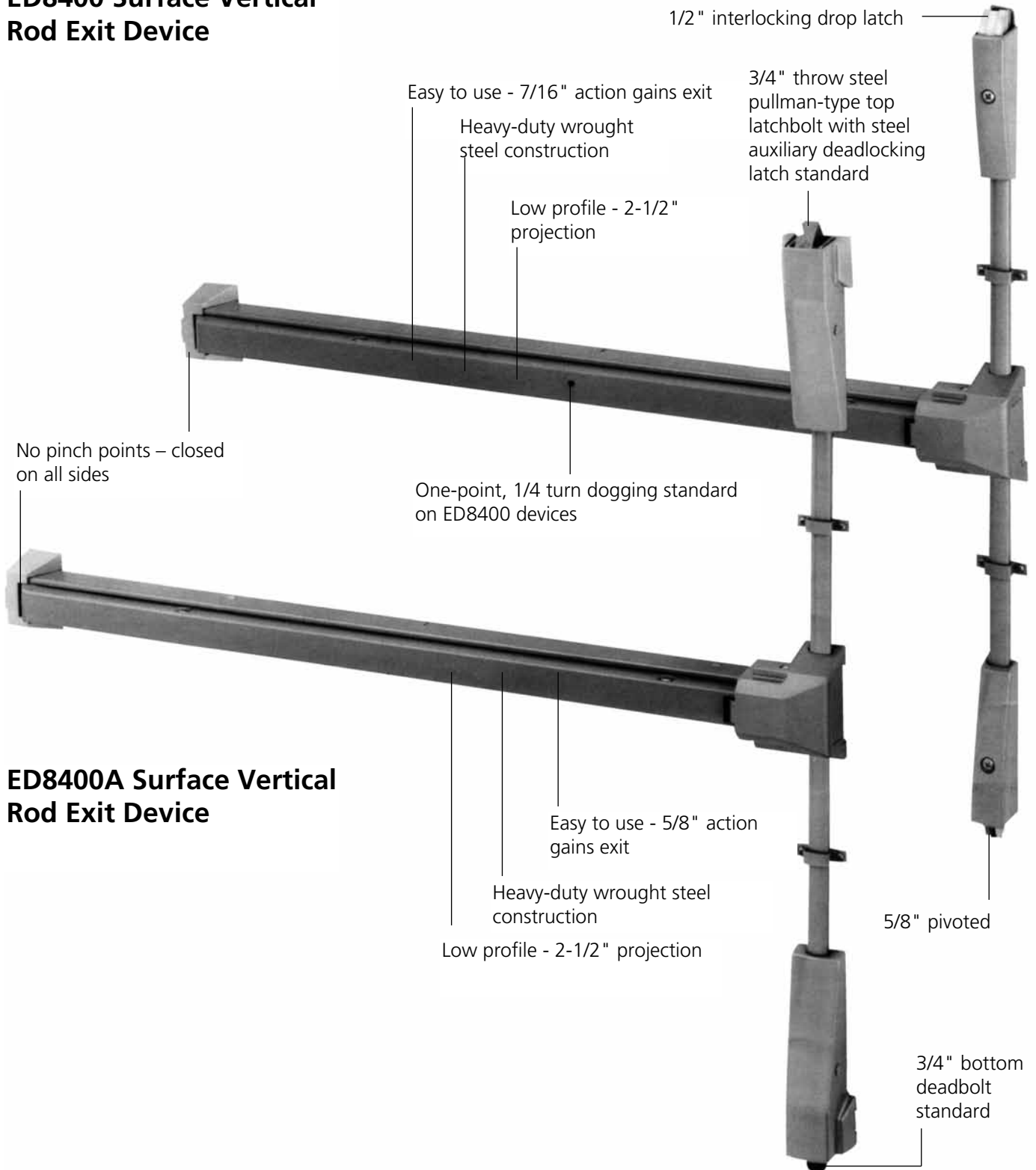
BHMA 722	Black oxidized bronze, oil rubbed
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*G10, A6, N6 & PR6 trims are available with MicroShield®.

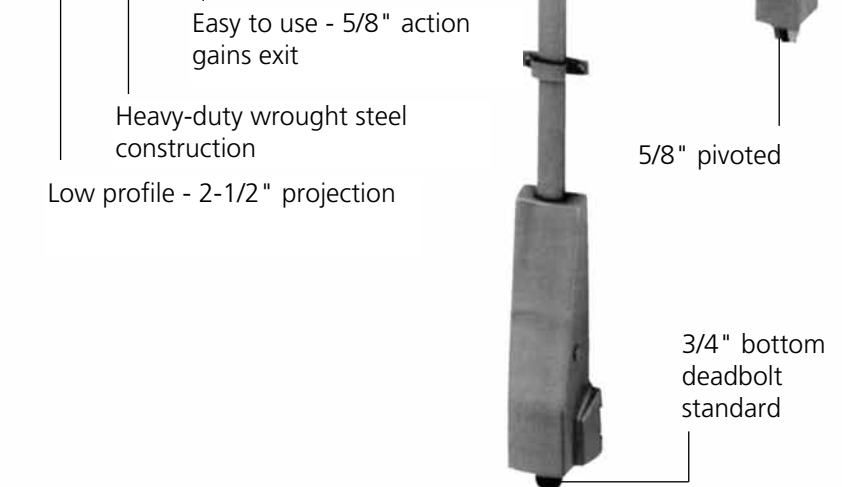
Vertical Rod Features

ED8000

ED8400 Surface Vertical Rod Exit Device

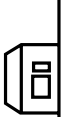
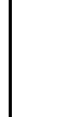
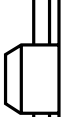
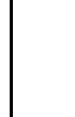

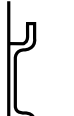

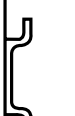

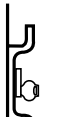

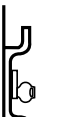
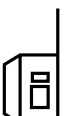
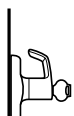




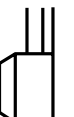

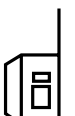
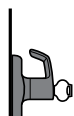
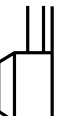



ED8400A Surface Vertical Rod Exit Device



Functions


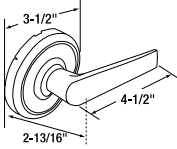

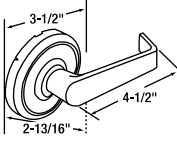

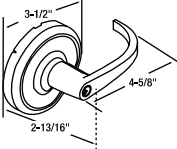

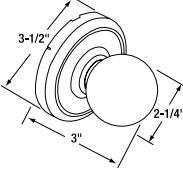

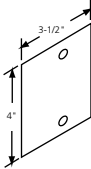

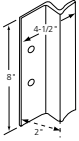
ED8000

Rim ED8200 ED8200B ED8200A		Surface Vertical Rod ED8400 ED8400A		Type	ANSI No.	Function Descriptions
Inside	Outside	Inside	Outside			
				Exit Only	F01	<ul style="list-style-type: none"> Exit only; no trim.
				Dummy	F02	<ul style="list-style-type: none"> Entrance by trim when actuating bar is locked down.
				Nightlatch	F03	<ul style="list-style-type: none"> Entrance by trim when latch bolt is retracted by key. Key removable only when locked.
				Classroom	F08	<ul style="list-style-type: none"> Entrance by knob or lever. Key locks or unlocks knob or lever.
				Passage	—	<ul style="list-style-type: none"> Latch bolt retracted by knob or lever.
				Storeroom (Lever Active)	F09	<ul style="list-style-type: none"> Entrance by knob or lever only when released by key. Key removable only when locked.



Indicates rigid grip when locked.

Note: Trims shown are for function representation only. See pages 9 and 10 for available trims.


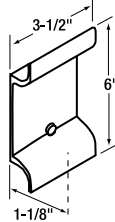

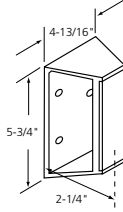


Trim Design			Trim/Function				
			Passage	Dummy ANSI No. F02	Classroom ANSI No. F08	Nightlatch ANSI No. F03	Storeroom ANSI No. F09
	<p>Armstrong A6 Lever: Die cast zinc Rose: Wrought brass or bronze Cylinder: Key-in-lever <i>Available in plated finishes only.</i></p>		A610	A650	A655	A657 ²	A659
	<p>Newport N6 Lever: Die cast zinc Rose: Wrought brass or bronze Cylinder: Key-in-lever <i>Available in plated finishes only.</i></p>		N610	N650	N655	N657 ²	N659
	<p>Princeton PR6 Lever: Die cast zinc Rose: Wrought brass or bronze Cylinder: Key-in-lever <i>Available in plated finishes only.</i></p>		PR610	PR650	PR655	PR657 ²	PR659
	<p>Global G10 Knob: Wrought Rose: Wrought brass or bronze Cylinder: Key-in-knob <i>Available in plated finishes only.</i></p>		G1010	G1050	G1055	G1057 ²	G1059
	<p>Flat Plate F1 Plate: Steel Cylinder: Rim <i>Available in plated and painted finishes.</i></p>		N/A	F150 ¹	N/A	F157 ²	N/A
	<p>Z-Pull P1 Pull: Extruded Cylinder: Rim <i>Available in plated finishes only.</i></p>		N/A	P150	N/A	P157 ²	N/A

Notes:


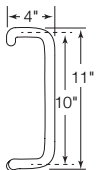

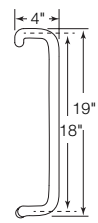

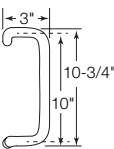
- Blank plate with no ANSI function.
- Not recommended for use with ED8400 or ED8400A Surface Vertical Rod devices.

Functions

ED8000

Trim Design	Trim/Function				
	Passage	Dummy ANSI No. F02	Classroom ANSI No. F08	Nightlatch ANSI No. F03	
 <p>Wing Pull P8 Pull: Extruded Cylinder: Rim Available in painted finishes only.</p>		N/A	P850	N/A	P857 ²
 <p>Offset Pull P2 Pull: Extruded Cylinder: Rim Available in plated finishes only.</p>		N/A	P250	N/A	P257 ²
 <p>Key Only KO Cylinder: Rim Note: Available with cylinder option only. Ex: K057 x 6P</p>		N/A	N/A	N/A	K057 ²

2. Not recommended for use with ED8400 or ED8400A Surface Vertical Rod devices.

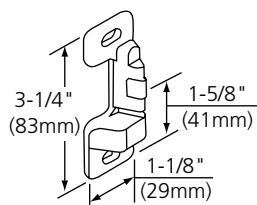
Offset Pull Trim: P12, P13, P14					
	<p>Offset Pull P12 Clearance: 2-1/2"</p>		Specify Part Number, 716F50M x Finish ¹		
	<p>Offset Pull P13 Clearance: 2-1/2"</p>		Specify Part Number, 716F51M x Finish ¹		
	<p>Offset Pull P14 Clearance: 2-1/2"</p>		Specify Part Number, 716F52M x Finish ¹		

1. Available in 605, 606, 612, 613, 626, 629 and 630 finishes.

Options and Accessories

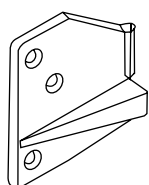
ED8000

Rim Strikes (Screws Included)



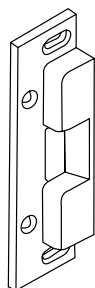
Rim Strike

Standard on ED8200 and ED8200B devices. To order separately, specify 386F45.



Rim x Vertical Rod Strike

Required for ED8200 devices when used on pair of doors with ED8400 device. To order with exit device, specify S02. To order separately, specify 468F30 x finish.



3-Hour Fire-Rated Rim Strike

Standard on ED8200A devices. To order separately, specify 518F06.

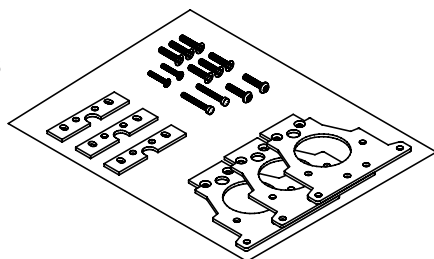


Rim Strike Shim

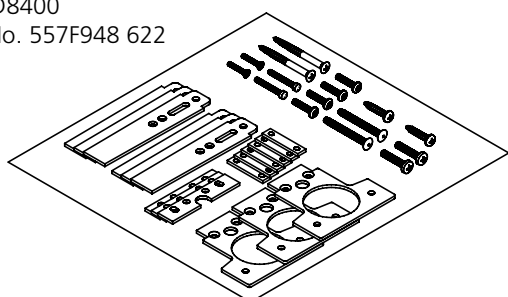
For doors with 1/2" stop, specify M59. To order separately, specify 391F575

Shim Kits

For ED8200 & ED8200B
Part No. 557F928 622



For ED8400
Part No. 557F948 622



Vertical Rod Strikes (Screws Included)



Top Strike

Standard on ED8400 devices. To order separately, specify 446F21.



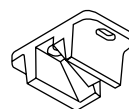
Surface Projecting Bottom Strike

Standard on ED8400 devices. To order separately, specify 446F22.



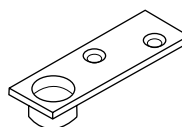
Flush Bottom Strike

Optional for ED8400 devices only. To order with exit device, specify S03. To order separately, specify 463F92.



Fire-Rated Top Strike

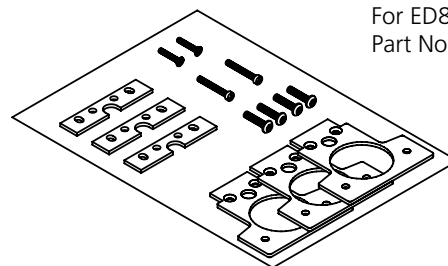
Standard on ED8400A devices. To order separately, specify 526F52.



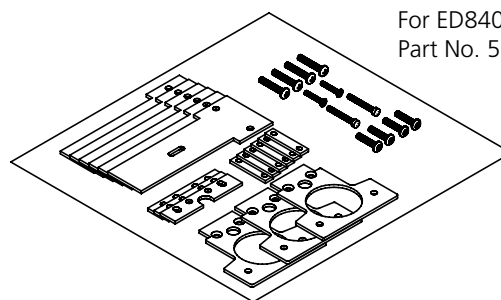
Fire-Rated Bottom Strike

Standard on ED8400A devices. To order separately, specify 526F53.

For ED8200A
Part No. 557F938 622



For ED8400A
Part No. 557F958 622

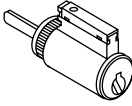
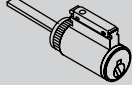

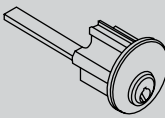
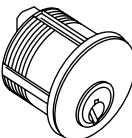


Cylinders

ED8000

Cylinders

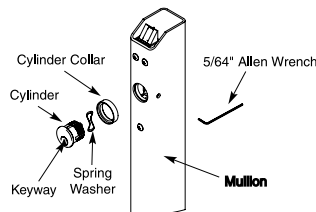
L4 keyway standard. To order with Exit Device, see Quick Codes, page 16. To order separately, specify Part No. x keyway x Finish (e.g., 2000-033-7 x L4 x 626).

	Cylinder Type	Part No.	Description
Key-in-Lever for A6, N6 and PR6 trim		2000-033	6-pin
		2000-033-7	7-pin
		2010-033	6-pin, Security
		2020-033	7-pin, Pyramid High Security
		2027-033	7-pin, Pyramid Security
Key-in-Knob for G10 trim		2000-033H	6-pin, horizontal tailpiece
		2010-033H	6-pin, Security, horizontal tailpiece
		2020-033H	Pyramid High Security, horizontal tailpiece
		2027-033H	Pyramid Security, horizontal tailpiece
Interchangeable Core Optional for A6, N6, PR6 trim		8000	6-pin
		8000-7	7-pin
		8010	6-pin, Security
		8020	7-pin, Pyramid High Security
		8027	7-pin, Pyramid Security
Rim for all other trim		3000-200	6-pin
		3000-138	6-pin, horizontal tailpiece for exit alarm supplied when M61 or M62 is ordered
		3000-200-7	7-pin, horizontal tailpiece
		3010-200	6-pin, horizontal tailpiece, Security
		3012-178	6-pin, blockout function, Security
		3080-178	6-pin, interchangeable core (IC)
		3070-178	6-pin, IC less core
		3070-178-7	7-pin, IC less core
		3080-178-7	7-pin, IC
		3090-178	6-pin, Security IC
		3020-200	Pyramid High Security
		3027-200	Pyramid Security
		3027-138	Pyramid Security for M61, M62
		3030-178	7-pin Pyramid, IC High Security
		3037-178	Pyramid Security IC
		3037-114	Pyramid Security IC for M61, M62
		3080-114	6-pin, IC for exit alarm supplied when M61 or M62 is ordered
		3070-114	6-pin, IC less core for M61 or M62
		3080-114-7	7-pin, IC for M61 or M62
		3070-114-7	7-pin, IC less core for M61 or M62
3020-138	7-pin Pyramid High Security, horizontal tailpiece for exit alarm supplied when M61 or M62 is ordered		
3030-114	7-pin Pyramid High Security, IC for exit alarm supplied when M61 or M62 is ordered		
3040-178	6-pin, SFIC with Less Core		
3040-178-7	7-pin, SFIC with Less Core		
900 Series Key Removable Mullion Mortise Cylinders		1000-118-A62	6-Pin
		1000-114-A62-7	7-Pin
		1080-114-A62	6-Pin, IC
		1080-112-A62-7	7-Pin, IC
		1020-114-A62	7-pin, Pyramid High Security
		1027-114-A62	7-pin, Pyramid Security
		1030-114-A62	7-pin, Pyramid High Security IC
		1037-114-A62	7-pin, Pyramid Security IC
		1010-118-A62	Security
		1090-114-A62	Security IC
		1070-114-A62	6-pin, IC, less core
		1070-112-A62-7	7-pin, IC, less core

900 Series Key Removable Mullion Cylinder Collar Packet

Mullion Series	Cylinder Length and Type			
	1-1/8"	1-1/4"	1-1/4" IC	1-1/2" IC
907BKM 908BKM 910KM	610F01*	447F43*		609F37*

Note: Cylinder collar packets contain a collar and spring washer.
*Specify finish when ordering packets.



Compatibility with Competitive Cylinders (N6 and PR6 trims only)

Competitive Cylinder	Complete Trim	Tailpiece for Optional Cylinders
Schlage® conventional 21-002, 23-001 or 23-013	Specify M06	682F39-8 Tailpiece
Schlage Primus 20-548, 20-550, 20-748 or 20-750	Specify M06	682F39-8 Tailpiece
Best® style core, 6 or 7-pin	Specify M08	682F958 Tailpiece
Sargent® 13-3266	Specify M09	682F96-9 Tailpiece kit and Special Lever
Schlage IC Core	Specify M69	697F94-2 Tailpiece
IC 6-Pin	Specify C6	682F918 Tailpiece kit
IC 7-Pin	Specify C7	682F918 Tailpiece kit

For Assa and Medeco retrofit cylinders, consult those manufacturers' catalogs.

500 Series and 900 Series Removable Mullions

The 500 series and 900 series mullions are used to install two ED7200 Rim Exit Devices in a double door opening. They may be quickly and easily removed, then reinstalled, when a full double door opening is temporarily required. The 500 series and 900 series mullions meet ANSI A156.3, Type 22.

Materials and Finish

Steel mullion with malleable iron top and bottom plates; furnished with zinc plated fasteners for metal frames and concrete floors. May be cut, drilled and tapped in the field for Rim Exit Devices. The 500 series mullions are primed for painting, BHMA 600, grey and the 900 series mullions are primed for painting, BHMA 600, red.

500 Series Mullions - How to Order Removable Mullions

UL Fire Rating ¹	Mullion Opening Height ²	Catalog Number
3-Hour	Up to 7'2"	507
Panic Only	Up to 8'0"	508
Panic Only	Up to 10'0"	510

Notes:

1. UL label on mullion indicates listing.
2. May be field cut for doors.

900 Series Mullions - How to Order Removable Mullions

UL Fire Rating ¹	Mullion Opening Height ²	Catalog Number
Panic Only	Up to 7'0"	907
Panic Only	Up to 8'0"	908
Panic Only	Up to 10'0"	910
3-Hour	Up to 7'0"	907A
3-Hour	Up to 8'0"	908A

Key Removable Mullions

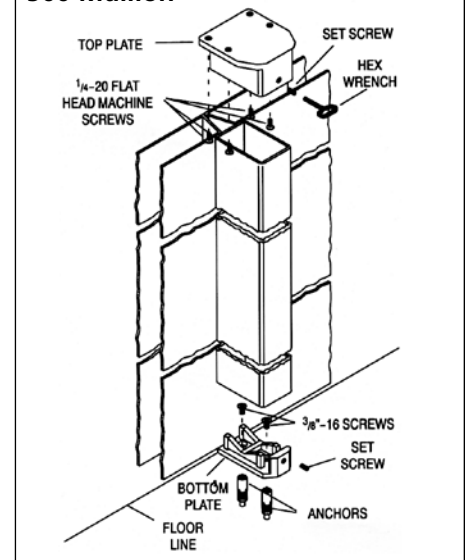
UL Fire Rating ¹	Mullion Opening Height ²	Catalog Number
1-1/2 Hour	Up to 7'0"	907BKM ³
1-1/2 Hour	Up to 8'0"	908BKM ³
Panic Only	Up to 10'0"	910KM ³

Notes:

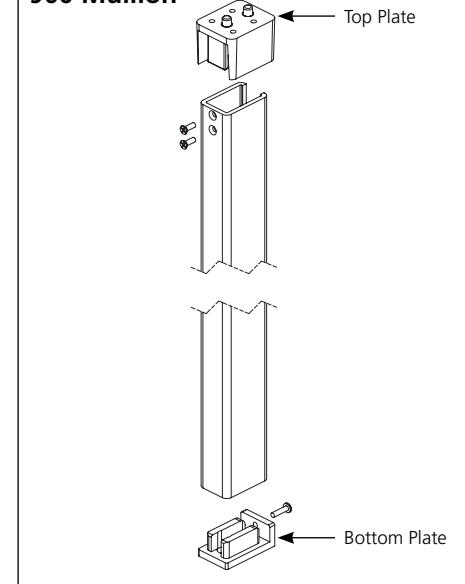
1. UL label on mullion indicates listing.
2. May be field cut for doors.
3. Cylinder and collars not included, specify separately. See Cylinders on page 12.

ASSA ABLOY, the global leader in door opening solutions

500 Mullion



900 Mullion



900 Series Mullions - Options M95- Spacer Block

Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing and also for door frames 5-3/4" (176mm) or less. To order with a mullion, specify M95. To order separately, specify Part No. 683F29-8.

M96- Angle Bracket

Recommended for any header configuration with less than 3" (76mm) of mounting surface. To order with a mullion, specify M96. To order separately, specify Part No. 655F63-8.

M57- Mullion Stabilizer Kit

Controls the movement of the mullion. Recommended for opening over 7' high, or whenever door movement must be minimized. To order with mullion, specify M57. To order separately, specify Part No. 653F11-1 x 695 or 628.

Electrified Options

ED8000

Exit Alarm

Optional on ED8200 and ED8200B devices; emits audible alarm, signaling emergency or unauthorized use of door. To order, specify option M61.

Exit Alarm With 20-Second Delay

Optional on ED8200 and ED8200B devices; permits controlled authorized entrance or egress. For authorized exit, turn inside key to OFF, then back to ON. This allows 20-second interval to exit without sounding alarm. To enter, use key outside. Alarm will not sound if door is closed within 20 seconds. To order, specify option M62.



Features

Solid state circuitry with adjustable sensitivity.

Volume

85db at 10 feet.

Light Emitting Diode (LED)

Indicates power on, alarm on, delay feature on.

No wiring required

Recommended power source: one 9-volt alkaline battery (not included). One additional battery may be used for extended alarm.

Tamper resistant design

Will not obstruct emergency exit; provides easy access for battery changes.

Size

3-7/8" (98mm) x 9-3/4" (248mm) x 2-5/8" (67mm). 1-3/4" (44mm), 2" (51mm) and 2-1/4" (57mm) door thickness; 2-3/4" (70mm) backset.

Door Size

Standard 36" (914mm) exit device fits 31" (787mm) - 36" (914mm) doors.
Optional: 30" (762mm) fits 28" (711mm) - 30" (762mm) doors; 42" (1067mm) fits 37" (940mm) - 42" (1067mm) doors; 48" (1219mm) fits 43" (1092mm) - 48" (1219mm) doors.

Non-handed

Warning decal

EMERGENCY EXIT ONLY- ALARM WILL SOUND. Applied in field; will not affect handing.

Inside cylinder

Rim. For keying options see page 16. To order cylinder separately, see page 12.

Keying

When alarm is ordered with exit device and outside trim, inside and outside cylinders will be keyed alike.

Trim

Available with all trims for ED8200 and ED8200B devices; see pages 9 and 10.

Retrofitting

To add standard alarm to existing device, order ED82AK x Finish. To add alarm with time delay to existing device, order ED82AK x M62 x Finish. To order time delay switch separately, specify 490F71 for all bar lengths.

Ordering Examples

Rim Exit Device

Quantity	Exit Device	Finish
20	ED8200	689

Removable Mullion

Quantity	Mullion
6	508

Where to find ordering information and Quick Codes

Functions and Trims	Pages 8-10
Rim and Vertical Rod	Pages 8-10
Removable Mullion	Pages 13
Finish	Page 16
Handing	Page 16
Door Thickness	Page 16
Strike	Page 17
Door Width	Page 16
Door Height	Page 16
Miscellaneous Options	Page 17
Cylinders and Keying	Page 16

Rim Exit Device with Trim

Quantity	Exit Device	Trim/Function	Finish		Hand	Door Thickness	Door Width	Misc. Options
			Trim	Device				
65	ED8200A	A610	613	690	LHR	D200	W048	M58

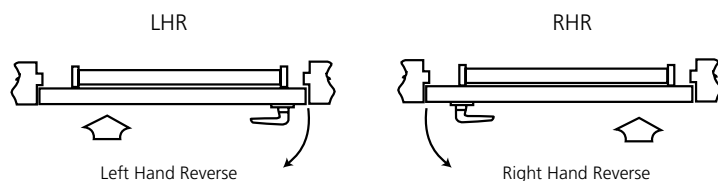
Vertical Rod Exit Device with Trim

Quantity	Exit Device	Trim/Function	Finish		Hand	Door Thickness	Optional Strike	Door Width	Door Height	Misc. Options
			Trim	Device						
28	ED8400	N655	626	689	RHR	D214	S03	W048	H1000	M54

Contract/Detailed Order - Rim Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/Function	Finish		Hand	Door Thickness	Door Width	Misc. Options	Optional Cylinder	Keying
				Trim	Device						
32	AA1	ED8200	P857	626	689	LHR	D200	W048	M54	C6	VKC3

Handing



Note: Arrow (↔) indicates secure side of door.

Quick Codes

ED8000

Cylinders and Keying

Description	Specify
Conventional 6-pin	6P
Conventional 7-pin	7P
IC 6-pin ³	C6
IC 7-pin ³	C7
Pyramid High Security fixed core	PHS
Pyramid Security fixed core	PS
Pyramid High Security IC ³	PCHS
Pyramid Security IC ³	PCS
Security	HS
Security IC ³	CHS
IC 6-pin less core ³	CL6
IC 7-pin less core ³	CL7
Pyramid IC with temporary construction core ³	CTP
Pyramid IC with temporary disposable core ³	CTPD
Pyramid IC less core ³	CLP
IC 6-pin with temporary construction core (Red) ³	CT6R
IC 6-pin with temporary construction core (Blue) ³	CT6B
IC 6-pin with temporary construction core (Green) ³	CT6G
IC 6-pin with temporary construction core ³	CT6
IC 6-Pin with temporary disposable core ³	CT6D
SFIC 6-pin with Less Core ³ (Rim Cylinder Only)	CLS6
SFIC 6-pin with SFIC disposable temporary core ³ (Rim Cylinder Only)	CT6SD
IC 7-pin with temporary construction core (Red) ³	CT7R
IC 7-pin with temporary construction core (Blue) ³	CT7B
IC 7-pin with temporary construction core (Green) ³	CT7G
IC 7-pin with temporary construction core ³	CT7
IC 7-Pin with temporary disposable core ³	CT7D
SFIC 7-pin with Less Core ³ (Rim Cylinder Only)	CLS7
SFIC 7-pin with SFIC disposable temporary core ³ (Rim Cylinder Only)	CT7SD
Blockout function	BO
0-Bitted with 2 blank keys	(standard)
Keyed random	KR
Master Keyed (all cylinders except (8000, 8020, 8027 IC core)	specify keyset
Master Keyed Pyramid	specify keyset
Master Keyed Security (including IC cylinder and core)	specify keyset
Master Keyed 8000, 8020, 8027 IC core	specify keyset
Master Keyed to customer bittings or sample key	specify keyset
Construction master keyed ¹	CMK
Visual key control (VKC)	
- No Stamping	VKC0
- Keys only	VKC1
- Cylinders and Keys ²	VKC2
- Cylinders only ²	VKC3
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only ²	CKC3

Notes:

1. CMK construction master keying is not available in Pyramid or Security Series.
2. VKC2, VKC3, CKC3 are not available in Pyramid or Security series.
3. Not available for G10 trim.

Door Width

Door	Specify
30" (762mm)	W030
36" (914mm)	(standard)
42" (1067mm)	W042
48" (1219mm)	W048

Door Height

Door	Specify
7'6" (2.29m) (ED8400 devices)	(standard)
8'0" (2.44m) (ED8400A devices)	(standard)
10'0" (3.05m) (ED8400 devices only)	H1000

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Finishes

Description	Specify
US3 Bright Brass	605
US4 Satin Brass	606
US9 Bright Bronze	611
US10 Satin Bronze	612
US10B Dark Oxidized Satin Bronze, oil rubbed	613
US14 Bright Nickel Plated	618
US15 Satin Nickel Plated	619
US19 Flat Black Coated	622
US26 Bright Chromium Plated	625
US26D Satin Chromium Plated	626
Satin Chromium Plated with MicroShield®*	626C
Silver Aluminum Painted	689
Dark Bronze Painted	690
Light Bronze Painted	691
Black oxidized bronze, oil rubbed	722

*G10, A6, N6 & PR6 trims are available with MicroShield®.

Door Thickness

Door	Specify
1-3/8" (35mm)*	D138
1-3/4" (44mm)	(standard)
2" (51mm)	D200
2-1/4" (57mm)	D214

*G10, A6, N6, PR6 series trims only.

Miscellaneous Options

Description	Specify
Less cylinder, with tailpiece for Schlage® cylinder	M06
Lever to accept Best® type core (N6 and PR6 trims only)	M08
Lever to accept Sargent® cylinder (N6 and PR6 trims only)	M09
Lever to accept <i>Schlage</i> IC core	M69
Knurling outside only (trim side)	M21
Abrasive coat outside and inside (trim and device)	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)	M25
Less dogging	M51
Sex nuts and bolts (SNBs) ¹	M54
Mullion stabilizer kit	M57
Shim kit (for vision light)	M58
Shim for 2-3/4" (70mm) backset on doors with 1/2" (13mm) stop (rim devices only)	M59
Exit alarm (rim devices only)	M61
Exit alarm with delay (rim devices only)	M62

1. Not available with D138 option.

Strike

Description	Specify
Rim	
Rim x vertical rod	S02
Vertical Rod	
Flush bottom (ED8400 devices only)	S03

Helpful Terms

ED8000

Abrasive Coat

Hard granular material applied to provide a non-slip tactile surface for the visually impaired.

Active Door

In a pair of doors, the door that is operable from the trim side.

Astragal

A vertical member applied to one or both sides of a pair of doors at the meeting edges. The astragal closes the gap between the two doors.

Coordinator

A device used on a pair of doors to ensure that the inactive door closes before the active door.

Deadlocking Latch

A supplemental latch that automatically deadlocks the latchbolt when pressure is applied to it.

Dogging

A mechanism that allows the latchbolt to remain retracted, permitting the door to operate as if it were a push-pull; it cannot be used on fire-rated exit devices.

Double Egress

A pair of doors of the same hand that swing in opposite directions, commonly found in corridors.

Dummy Trim

Trim only. Usually used on the inactive door of a pair of doors for design balance.

Exit Device (Panic Hardware)

A door locking device with a pushpad or crossbar which, when pressed, allows instant exit (egress).

Fire Exit Hardware

An exit device listed by an independent testing laboratory as meeting panic, fire and hose stream test standards; used on fire-rated openings.

Hand

The direction a door swings.

Inactive Door

In a pair of doors, the door that is inoperable from the trim side.

Latchbolt

A lock component that has a beveled end and projects into a strike, holding the door in a closed position.

Mullion

A fixed or removable vertical member that divides a door opening and provides a latch surface for a pair of rim exit devices.

Narrow Stile Door

Usually a door having a stile less than 2-3/4" (70mm) wide, commonly seen on aluminum or glass front applications.

Shim Kit

Pieces of metal that permit mounting of an exit device on a door that has a surface projecting vision light (glass bead) moulding.

Split Astragal

An astragal that is split through the middle on a pair of doors, allowing both doors to operate independently.

Threshold

A strip fastened to the floor beneath a door. It serves as a stop, prevents heat loss, and provides a strike location for latching the bottom rod of a vertical rod exit device.

Trim

A knob, lever, pull, or thumbpiece used on the outside of an exit device door to control access to an area.

Universal Exit Device

An exit device that may be used on doors of either hand without any modifications.

Keying and Cylinder Terms

Blockout Cylinder

A cylinder which allows all keys to be temporarily blocked from operating. It is set by a blockout key.

Concealed Key Control (CKC)

The marking of standard key symbols on a cylinder in a location which is not visible once the cylinder installed.

Suggested Specification

All exit devices shall be ED8000 Series Pushpad Exit Devices as manufactured by Corbin Russwin Architectural Hardware.

The maximum exit device projection shall be 2-1/2" (64mm). The exit device bar shall be constructed of heavy wrought steel. The pushpad shall be constructed of wrought steel; scalped pushpads or pushpads with plastic or Lexan coatings shall not be acceptable. The pushpad shall cover the entire length of the devices. Pushpads which cover less than the entire length of the device shall not be acceptable. Nylon bearings and stainless steel springs shall be used for long life and durability; only torsion springs are acceptable. All device covers shall be of aluminum; plastic or metal stamping shall not be acceptable. Mounting screws shall be concealed to deter tampering. All ferrous parts shall be zinc coated to prevent rusting.

Single point, one quarter turn hex key dogging shall be standard on non-fire-rated devices.

All devices shall be listed by Underwriters Laboratories for safety as panic hardware. Fire rated devices shall be UL/C-UL listed for A label and lesser class doors, 4' x 8' single and 8' x 8' pair. The model number shall be located on the end cap; devices having the model number located other than on the end cap shall not be acceptable.

On trims with cylinders, the locking and unlocking of the trim shall be housed in the trim and not in the active head of the device. Trim shall be throughbolted and fasteners shall be concealed.

All trims shall be furnished in architectural finishes and shall match the trims and finishes on corresponding locksets.

Certification:
ANSI A156.3, Grade 1

All devices, trims and cylinders shall be from one manufacturer.

All devices and trims shall carry a one-year limited warranty.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
www.corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 1-905-738-2478
www.assaabloy.ca

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



An *artful*
approach to
every opening

MUSÉO®




One lever for
all openings



MUSÉO®




Access Control



Campus Access Control



Exit Device Trim



Tubular Lock



Mortise Lock

For beautiful door hardware that helps to ensure life safety and security, Corbin Russwin presents Muséo®. Designers and architects will appreciate this aesthetic line of door levers that creates a cohesive overall design, without compromising quality and functionality.

Whether your project is about constructing sleek, structured spaces or creating bright, playful environments, *Muséo* art-inspired designer levers carry your vision throughout the facility.

Backed by coordinating commercial grade Corbin Russwin door hardware, *Muséo* opens up an expansive world of possibilities for design excellence.

Unifying art & performance

Muséo® is ideal for commercial projects such as offices, campuses, museums, and hotels as well as large residential projects such as condominium complexes. Designed for use with a full complement of Corbin Russwin commercial door hardware, *Muséo* levers coordinate seamlessly with our exit devices, tubular locks, mortise locks and access control hardware, so specification is simple and unified.

TUBULAR LOCKS FOR:

- Hotel guest rooms
- High-end apartments
- Condominiums
- Office buildings



MORTISE LOCKS FOR:

- Healthcare buildings
- School & university applications
- Government facilities





EXIT DEVICES FOR:

- Conference rooms
- Theaters
- All egress doors



ACCESS CONTROL FOR:

- Corporate institutions
- Healthcare facilities
- Any door that requires electronic security control



CAMPUS ACCESS CONTROL FOR:

- Dorm rooms
- Library
- Computer rooms
- Book store

The art of *inspiration*



Jumpstart your creativity with Inspire™ roseless trim. The harmonious union of lever and door creates an artful approach to every opening.

Is door hardware obvious? Sometimes. But subtlety is key to good design. Select a stunning Museo lever, combine it with Inspire trim, and create a masterpiece!

Offered with most Museo levers, this exquisite trim by Corbin Russwin will inspire you and the door openings in your facilities to be works of art.

Features:

- Compatible with TL3700 tubular locks, ML2000 mortise locks and Access 600™ RNE1 mortise access control lock
- 13 architectural finishes available including MicroShield® antimicrobial coating
- Maiman and Graham wood doors, Ceco Door and Curries hollow metal doors can be expertly prepared for Inspire trim

Benefits:

- Lever and trim fade into the door for a subtle, refined look
- Variety of decorative levers offered to complement your design
- One lever on all openings creates a consistent theme throughout your building

INSPIRE™

ROSELESS TRIM





The Art of *the* Opening

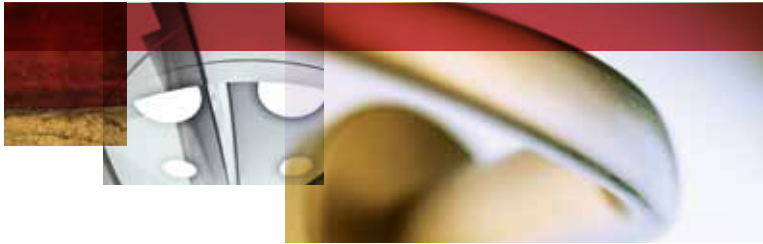
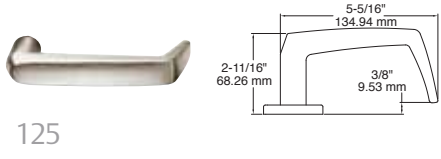
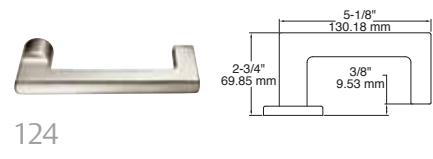
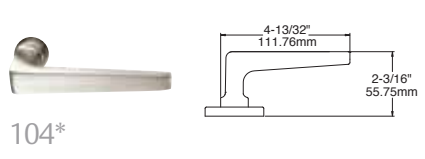
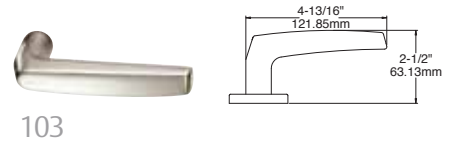
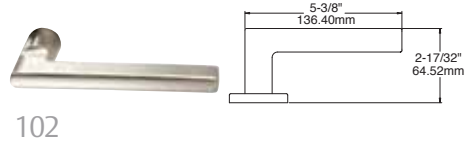
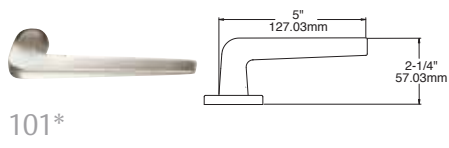
Muséo® offers a wide variety of lever styles and finishes for commercial door hardware, providing a solution for any opening. The possibilities are endless.



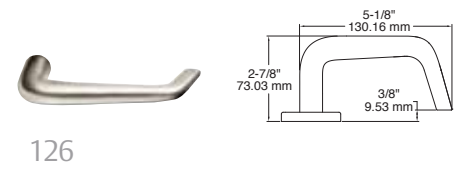
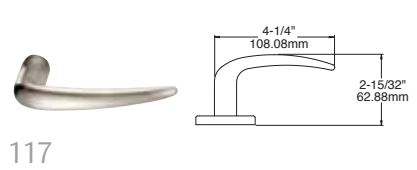
Suggested
Thumbturn
Pairing: MT2



Georgia

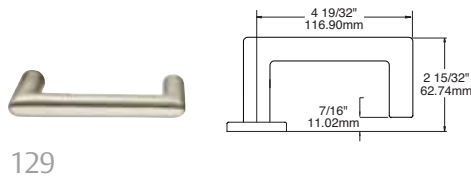
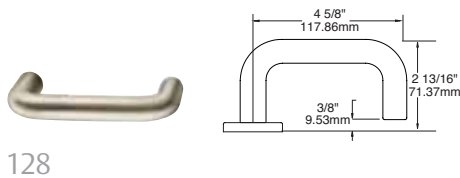
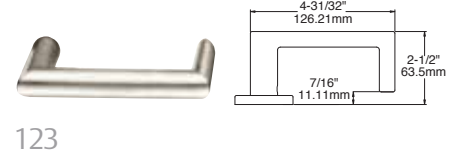
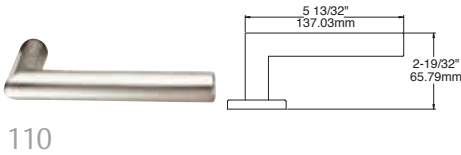
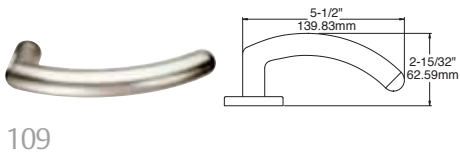
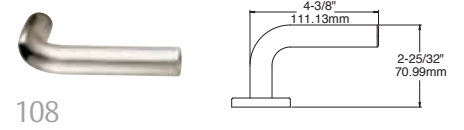
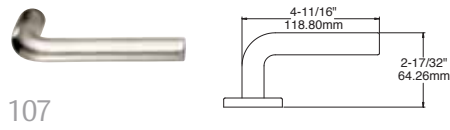
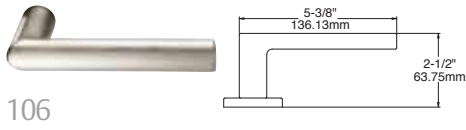
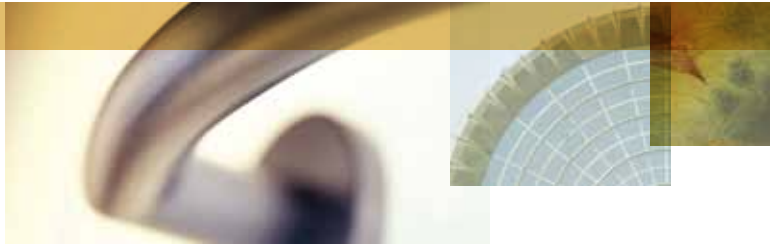


Pablo



*Not available with Inspire roseless trim

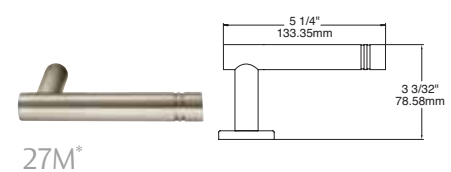
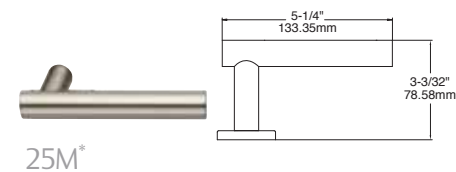
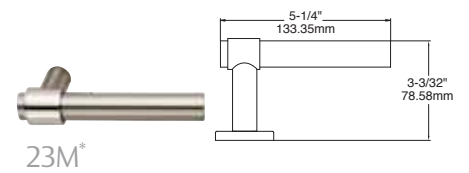
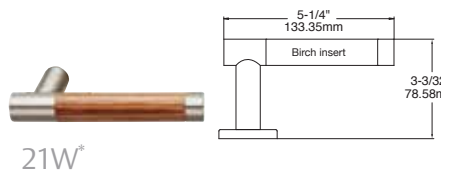
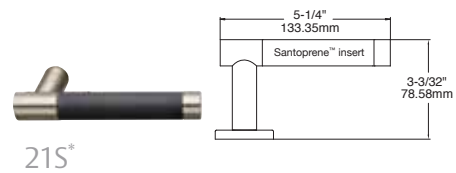
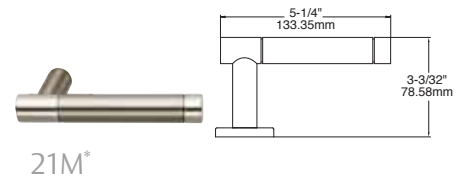
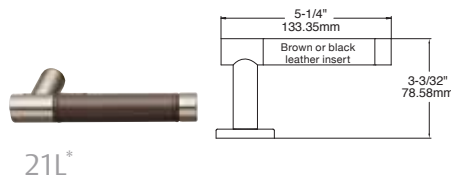
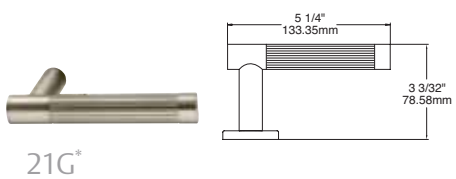
Salvador



Piet



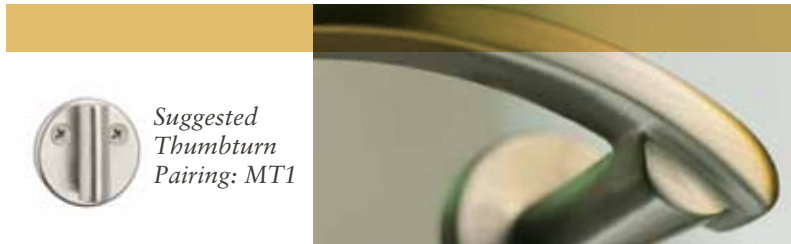
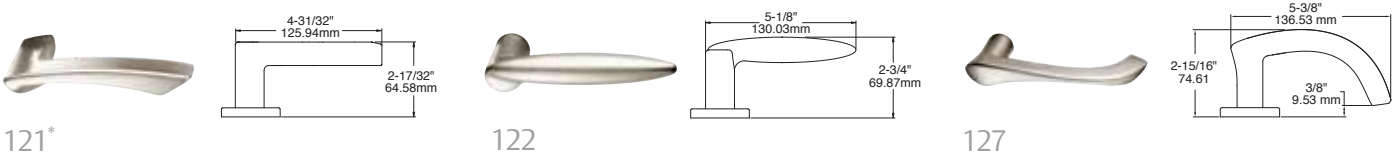
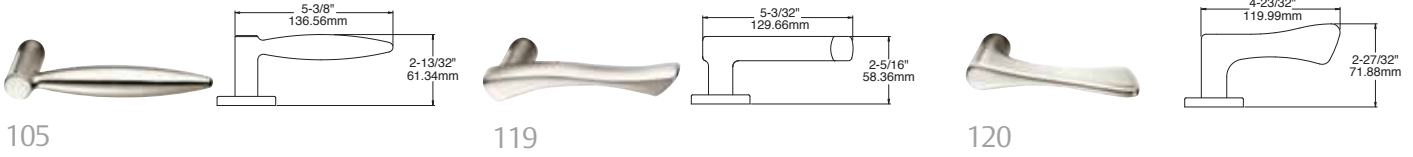
*Suggested
Thumbturn
Pairing: MT3*



*Not available with Inspire roseless trim

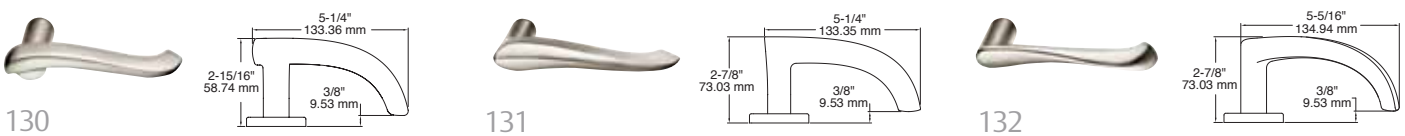
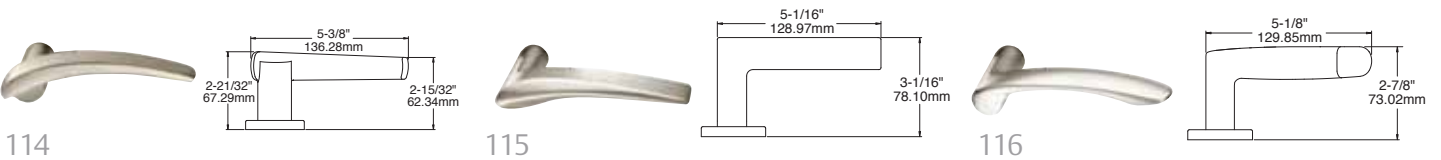
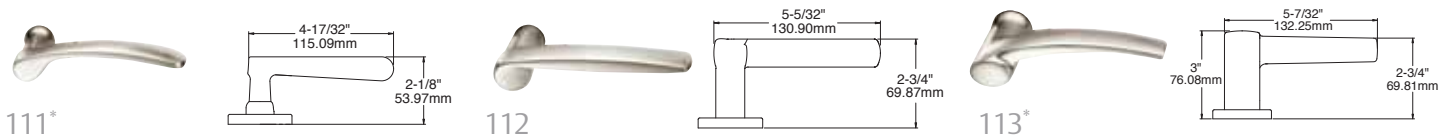


Jackson



Suggested
Thumbturn
Pairing: MT1

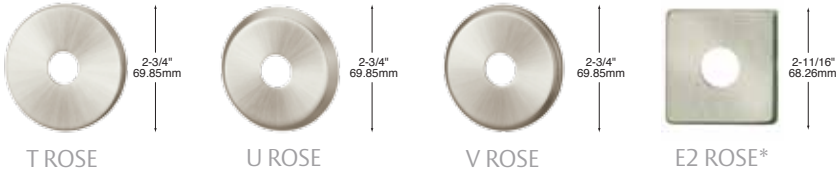
Marc



*Not available with Inspire roseless trim

Muséo Trim

TL3700 Tubular Lock Roses



ML2000 Mortise Lock Roses

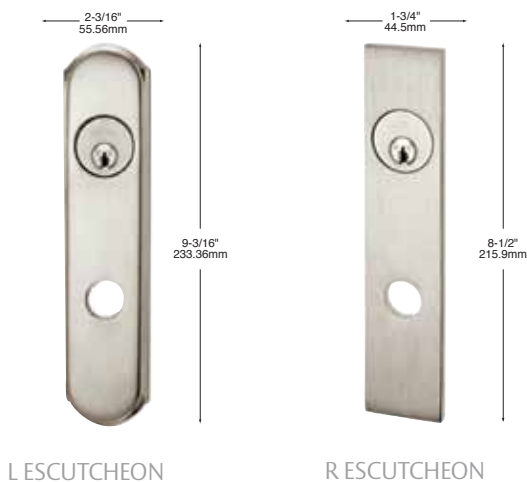


ML2000 Mortise Lock Thumbturns

Note: Thumbturn back plate will match shape of rose chosen (i.e. round or square)



ML2000 Mortise Lock Escutcheons



Inspire™ Roseless Trim



Compatible with:
TL3700 tubular locks,
ML2000 mortise locks and
Access 600™ RNE1 mortise
access control locks

* Square cylinder collar and thumbturn plate included when ordering E2 and E3 roses

Finishes

Muséo trim is available in 13 architectural finishes including MicroShield® antimicrobial coating.
Note: Piet Collection offered in stainless steel finishes (629/630) only.



605 Polished brass, clear coated



606 Satin brass, clear coated



611 Polished bronze, clear coated



612 Satin bronze, clear coated



613 Dark oxidized satin bronze, oil rubbed *Also available 613L Dark oxidized satin bronze, clear coated*



613L Dark Oxidized Satin Bronze, Clear Coated



722 Black oxidized bronze, oil rubbed



618 Polished nickel



619 Satin nickel



625 Polished chrome



626 Satin chrome



629 Polished stainless steel



630 Satin stainless steel

MUSÉO®



Georgia	Salvador	Pablo	Piet*	Jackson	Marc
101*	106	117	21G	105	111*
102	107	126	21L	119	112
103	108		21M	120	113*
104*	109		21S	121*	114
124	110		21W	122	115
125	123		23M	127	116
	128		25M		130
	129		27M		131
					132

*Not available with Inspire™ roseless trim

MUSÉO® & the good design studio



GRAHAM Custom, multi-species
Sketch Door™

MAIMAN Wood
Frame and casing

McKINNEY
Hinges

CORBIN RUSSWIN
Mortise lock with Inspire™ roseless
trim and Museo decorative lever

ADAMS RITE CECO DOOR CORBIN RUSSWIN CURRIES GRAHAM MAIMAN
McKINNEY RIXSON ROCKWOOD SARGENT

With ASSA ABLOY, it's not just about good looking door hardware...it's about the entire opening. beautiful wood doors and frames, pulls, hinges, coat hooks, door stops and of course...locks, access control and exit devices with superbly stylized levers. ASSA ABLOY group companies offer suited door openings in the epic pursuit of **Good Design** and the **Total Aesthetic Opening**.

Visit www.thegooddesignstudio.com to learn more.

the good design studio

One of many collections offered through ASSA ABLOY Group brands and showcased at The Good Design Studio.





ASSA ABLOY

Corbin Russwin, Inc.
225 Episcopal Road
Berlin, CT 06037-4004
Phone 800.543.3658
Fax 800.447.6714
corbinrusswin.com
corbinrusswinmuseo.com



MUSÉO®

corbinrusswinMUSEO.com

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Vineyard™
collection



ASSA ABLOY, the global leader
in door opening solutions

Corbin
Russwin
ASSA ABLOY

table of contents

levers	2
finishes, roses & escutcheons	6
mortise locksets	7
exit devices	8
access control devices	9
master key systems	9

DISTINCTIVELY STYLED LEVER TRIMS

Vineyard™
collection



VINEYARD

The *Vineyard* Collection is made up of choice materials, classical lines, curves and lush finishes. Elegantly designed levers of rare quality are available for the finest commercial openings. *Vineyard* Collection — Corbin Russwin's unparalleled level of creativity and achievement in decorative door hardware.

SELECT VINEYARD FOR YOUR HIGH-PROFILE COMMERCIAL PROJECTS

Vineyard Collection levers blend beauty with security. These levers are ideal for executive office areas, high-end condominiums, airport business clubs, banking centers, hotels, municipal buildings, exclusive retail shops, and upscale theatres.



MERLOT



FRASCATI



ZINFANDEL



TUSCANY



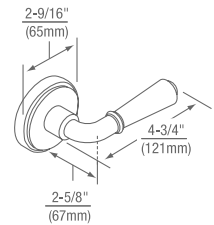
MERLOT

LIKE ITS NAMESAKE, THE
MERLOT BLENDS WITH
— AND ENHANCES — ANY
DÉCOR.



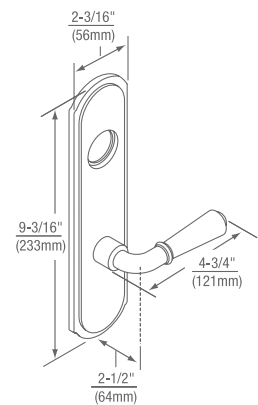
MSG

LEVER: CAST
ROSE: CAST



MSL

LEVER: CAST
ESCUTCHEON: CAST



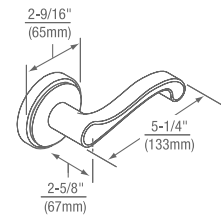
FRASCATI

FRESH YET CLASSIC, THE FRASCATI EXUDES THE CASUAL, TIMELESS ELEGANCE OF THE ROMAN HILLS.



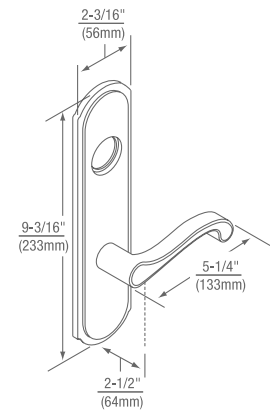
F S G

LEVER: CAST
ROSE: CAST
Specify Hand.



F S L

LEVER: CAST
ESCUTCHEON: CAST
Specify Hand.



LEVERS | FRASCATI



ZINFANDEL

VIGOROUS AND COMPLEX IN DESIGN, THE ZINFANDEL ADDS FINESSE TO ANY OPENING.

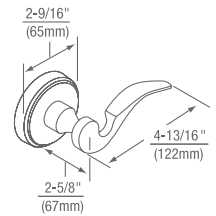


Z S G

LEVER: CAST

ROSE: CAST

Specify Hand.

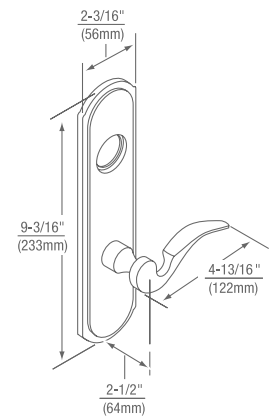


Z S L

LEVER: CAST

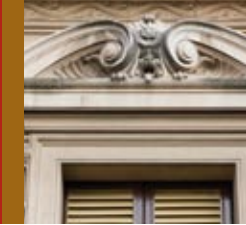
ESCUTCHEON: CAST

Specify Hand.

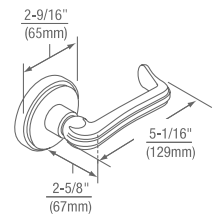


TUSCANY

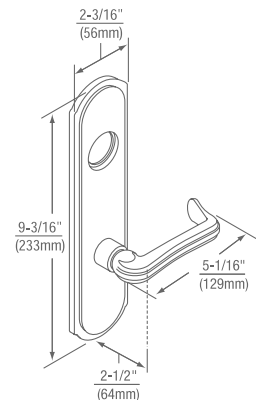
IN TRUE RENAISSANCE SPIRIT,
THE TUSCANY BRINGS BALANCE
AND BEAUTY TO EVERY
INTERIOR.



T S G
LEVER: CAST
ROSE: CAST



T S L
LEVER: CAST
ESCUTCHEON: CAST



LEVERS | TUSCANY



800.543.3658



605-E* Polished brass,
Infini-T®



606-E* Satin brass,
Infini-T®



611 Polished bronze,
clear coated



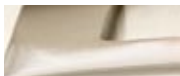
612 Satin bronze,
clear coated



613 Dark oxidized satin
bronze, oil rubbed
*Also available 613L
Dark oxidized satin
bronze, clear coated*



618 Polished nickel



619 Satin nickel



625 Polished
chrome



626 Satin chrome



722 Black oxidized bronze,
oil rubbed

*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.



G ROSE

← 2-3/16" →
55.56mm



L ESCUTCHEON





ML2000 SERIES MORTISE LOCKSETS

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-gage steel, the lockbody features our patented Quick Reversible latchbolt (Patent # 6,349,982) 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 projects requiring distinctive styling.

ORDER EXAMPLE:

Qty	Series/Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	ML2055	ZSL	---	626	---	RHR
24	ML2051	MSG	MSG	605	625	LH





Parabolic Trim
Specify M60



Standard Trim



ED5000 SERIES EXIT DEVICES

Vineyard™ offers the power of choice. With a wide variety of devices, trims, lever designs, and electrified hardware, a high security, aesthetically pleasing locking system can be designed for any building and application. **Design Suite:** A parabolic design option to match our Access 800® styling for a suited look. **Electronics:** The Corbin Russwin ED5000 series electrified exit devices offer a complete range of options that may be integrated into the monitoring security and alarm systems of most buildings. The continuum of appearance is maintained, as well as the security and function of the ED5000 mechanical exit device.

Heavy-Duty Trim: Patented lever release (free wheeling) mechanism for vandal resistance (Patent # 4,920,773). **SecureBolt™:** Deadbolt-style latch design provides increased physical security and vandal resistance. **Delayed Egress Exit Device:** Increases security in many applications such as retail stores and health care facilities.

ORDER EXAMPLE:

Exit Device with Trim

Qty	Exit Device	Trim/Function	Finish	Hand	Cylinder Option
24	ED5600	FR9M55	626	RHR	6P
16	ED5400	TS910	606	RH	---

Door Thickness	Optional Strike	Door Width	Misc. Options
D200	SB134	WO48	---
---	---	---	M60

Trim Only

Qty	Trim/Function	Finish	Hand	Cylinder Option	Door Thickness	Misc Options
12	M957	605	RH	---	D214	M60
36	M955	625	LH	6P	---	---





Access
800® | AC2

ACCESS CONTROL DEVICES

The Access 800® AC2 is a motor driven, battery powered stand-alone system with no hardwiring required, but available if desired. Choose from a variety of mortise and exit device versions for new or retrofit applications.

- Stand-alone access control; no hardwiring necessary
- HID compatible; supports 26, 33, 34 & 35 bit formats
- Fully programmable for time zones, holidays and audit trail
- 9 volt hardwire option available
- Easy to use software
- Interior or exterior applications
- Supporting up to 2000 users

Pyramid®

MASTER KEY SYSTEMS

Pyramid®, Corbin Russwin's patented cylinder (Patent # 6,125,674), is the most secure locking system available. *Pyramid* cylinders are available in both High Security and Security versions. The High Security version is certified by Underwriters Laboratories to UL437 standards.

Pyramid High Security and *Pyramid* Security cylinders can be combined on the same master key system and one key can operate both cylinder types!





**Corbin
Russwin** 
ASSA ABLOY

Corbin Russwin, Inc.
225 Episcopal Road
Berlin, CT 06037-4004
Phone 800.543.3658
Fax 800.447.6714
corbinrusswin.com

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

45065 0108

ML2000 Series

Mortise Locksets



Overview

ML2000

Table of Contents

ML2000 Overview.....	2
ML2000 Features.....	3-4
ML2000 Functions.....	5-9
ML20900 ECL Applications ...	10
ML20900 ECL Features.....	12
ML20900 ECL Functions.....	13
Trim Designs.....	14-35
Muséo® Trim.....	36
Muséo® Inspire™ Roseless Trim.....	37
Muséo® Levers.....	38-46
Vineyard™ Collection Trim.....	47-50
High Security Series Trim (HS).....	51
Vandal Resistant Trim (VR).....	52
Behavioral Health Trim (BHSS).....	53
Behavioral Health Lever Trim (BLSS).....	54
Push/Pull Trim (HPSK).....	55
Anti-Harm Trim (HSS).....	56
Options and Accessories.....	57-64
How to Order.....	65-67
Quick Codes.....	68-70
How to Specify.....	71-72
Reversing Handing.....	73

www.corbinrusswin.com

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

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 (VB))

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.

(VB) Indicates ML2000VR (Vandal Resistant) availability.

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



Patented latchtail enables easy handing changes (Patent # 6,349,982)

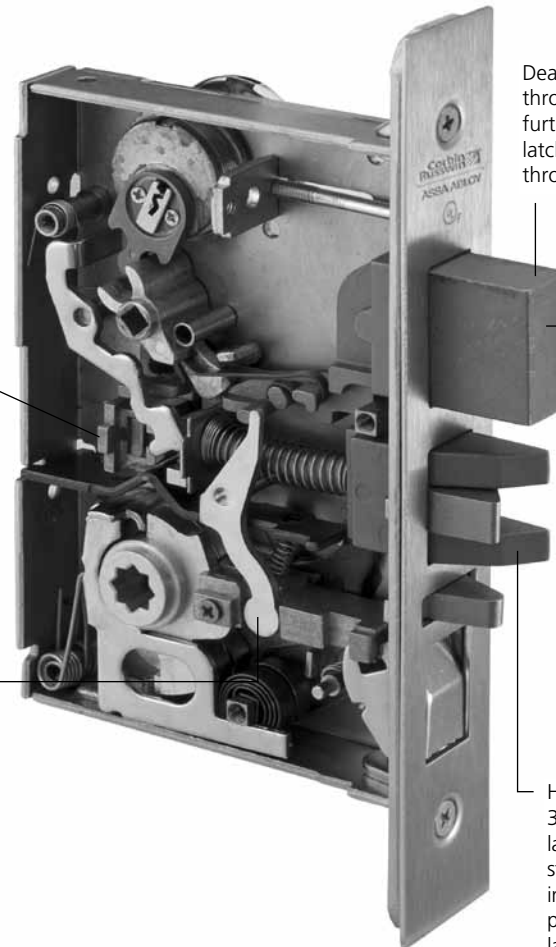
Heavy-gauge internal parts provide security, reliability, and durability

Armored front conceals lock mounting screws and one-piece heavy-gauge steel front

Deadbolt at 1" throw will project further than latchbolt at 3/4" throw



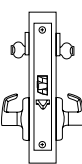




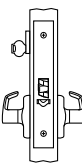


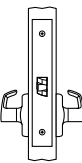





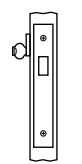





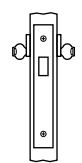




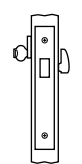




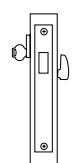



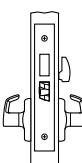




1" throw, one-piece deadbolt meets security Grade 1


Heavy-duty 3/4" throw latchbolt with stainless steel insert provides positive secure latching




(HS) Indicates ML2000HS (High Security) availability.


(VR) Indicates ML2000VR (Vandal Resistant) availability.


Outside	Inside	Series/Function	Type	ANSI No.	Function Description
 A01 	 A01 	ML2002 	Classroom Intruder		<ul style="list-style-type: none"> 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 	Classroom		<ul style="list-style-type: none"> 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   	Passage or Closet	F01	<ul style="list-style-type: none"> Latchbolt by grip either side. Both grips always free.
 A01 	 	ML2011  	Deadlock	F18	<ul style="list-style-type: none"> Deadbolt by key outside. No inside operation.
 A01 	 A01 	ML2012 	Deadlock	F16	<ul style="list-style-type: none"> Deadbolt by key either side.
 A01 	 	ML2013 	Deadlock	F17	<ul style="list-style-type: none"> Deadbolt by key outside or by thumbturn grip inside.
 A01 	 	ML2017 	Classroom Deadlock	F29	<ul style="list-style-type: none"> Deadbolt by key outside. Thumbturn grip inside retracts deadbolt only; will not project deadbolt.
	 	ML2020   	Privacy Bedroom or Bathroom	F02	<ul style="list-style-type: none"> 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 or 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.


















 Indicates function availability in ML2000HS.


 Indicates function available in Vandal Resistant Trim.


 Indicates function available in Anti-Harm Trim

Functions


ML2000

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
 A01	 A01	ML2022 (HS) (VR) (HSS)	Store Door	F14	<ul style="list-style-type: none"> Latchbolt by grip* either side when deadbolt is retracted. Deadbolt by key either side. Non-panic release. No simultaneous deadbolt and latch retraction
 A01	 A01	ML2024 (HS) (VR) (HSS)	Entrance or Storeroom	F21	<ul style="list-style-type: none"> 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)	 A01	ML2029 (VR)	Hotel or Motel	F15	<ul style="list-style-type: none"> 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. <p>Note: Indicator shows deadbolt position only</p>
 A01 (Hotel Cylinder)	 A01	ML2029HS (HS)	Hotel or Motel	—	<ul style="list-style-type: none"> 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. <p>Note: Indicator shows deadbolt position only</p>
 A01	 A01	ML2030 (HS) (VR)	Privacy Bedroom or Bathroom	F19	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Latchbolt by key either side. Both grips always rigid. Auxiliary latch deadlocks latchbolt. <p>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.</p>
 A01	 A02	ML2042 (HS) (VR) (HSS)	Entrance or Public Restroom	F09	<ul style="list-style-type: none"> 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	 A01	ML2048 (HS) (VR)	Entrance or Apartment	F08 F10	<ul style="list-style-type: none"> 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 <p>Note: Indicator shows deadbolt position only</p>
		ML2050	Half Dummy Trim	—	<ul style="list-style-type: none"> Grip acts as pull only; no operation.


 Indicates Indicator option is available


 Indicates Indicator option is available


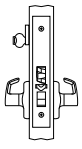

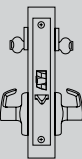

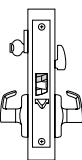

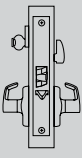

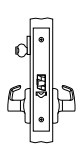

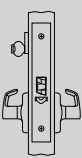

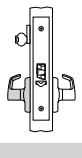

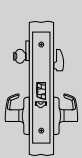
* When lever handles are furnished, both outside and inside are locked when deadbolt is projected.

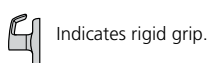
 (HS) Indicates function availability in ML2000HS.

 (VR) Indicates function available in Vandal Resistant Trim.

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

 Indicates rigid grip.

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
 A01		ML2051 (HS) (VR) (HSS)	Entrance or Office	F04	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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. <p>Note: Not available with indicator, specify ML2002.</p>
 A02		ML2053 (HSS)	Entrance or Office	—	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 <p>Note: Not available with indicator, specify ML2003</p>
 A02		ML2056 (HSS)	Classroom Holdback	F06	<ul style="list-style-type: none"> 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. <p>Note: Not approved for use on U.L. fire listed applications.</p>
 A01		ML2057 (HS) (VR) (HSS)	Storeroom or Closet	F07	<ul style="list-style-type: none"> 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	—	<ul style="list-style-type: none"> 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. <p>Note: Not approved for use on U.L. fire listed applications.</p>





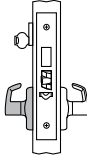


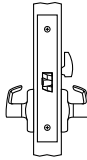



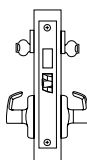




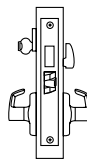




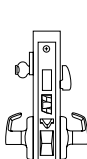




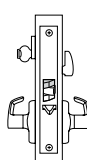



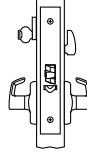

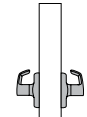
(HS) Indicates function availability in ML2000HS.

(VR) Indicates function available in Vandal Resistant Trim.


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


Functions


ML2000

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
 A01 	 	ML2059	Security Storeroom or Closet	—	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	—	<ul style="list-style-type: none"> Grips act as pulls only; no operation.

 Indicates Occupancy Indicator option is available







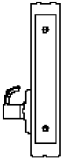


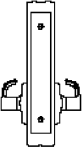


 Indicates function availability in ML2000HS.

 Indicates function available in Vandal Resistant Trim.

 Indicates Indicator option is available

 Indicates function available in Anti-Harm Trim.

 Indicates rigid grip.

Outside	Inside	Series/Function	Type	ANSI No.	Function Description
 A01	 A01	ML2072 (HS) (VR)	Classroom Intruder	—	<ul style="list-style-type: none"> 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	 A01	ML2073 (HS) (VR)	Classroom Security	—	<ul style="list-style-type: none"> 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	 A01	ML2075 (HS) (VR)	Security Entrance or Office	—	<ul style="list-style-type: none"> 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	—	<ul style="list-style-type: none"> Non-latching operation Grip always active; acts as push or pull only
 A01	 A01	ML2082 (HS) (VR)	Dormitory or Exit	F11	<ul style="list-style-type: none"> 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	—	<ul style="list-style-type: none"> Non-latching operation Both grips always active; acts as push or pulls only
 A01	 A01	ML2092 (HS) (VR) (HSS)	Security Institution or Utility	—	<ul style="list-style-type: none"> 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



Indicates function availability in ML2000HS.



Indicates function available in Vandal Resistant Trim.



Indicates function available in Anti-Harm Trim.

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.

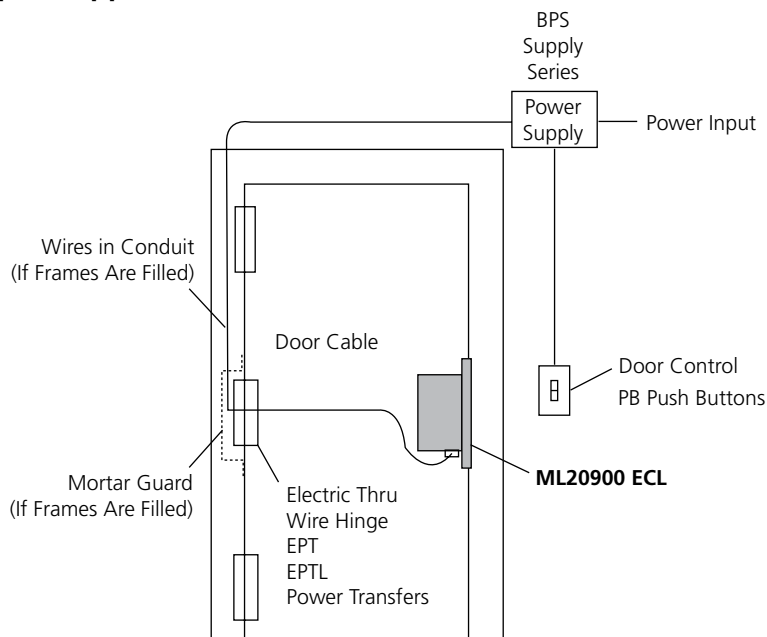
Aesthetics

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

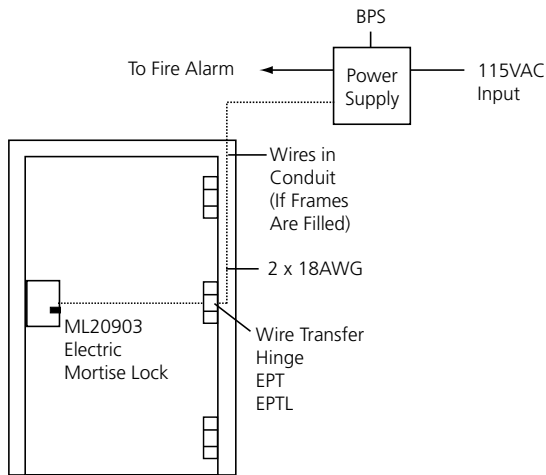
Typical Application



Typical System Components (For Reference Only)

ML20900 ECL

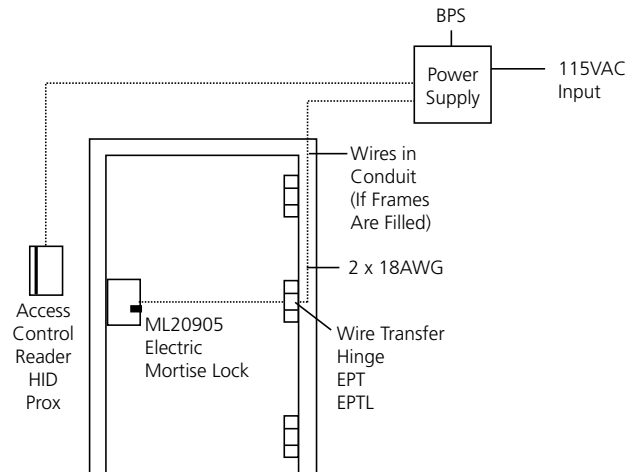
Tower Stairwell



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.

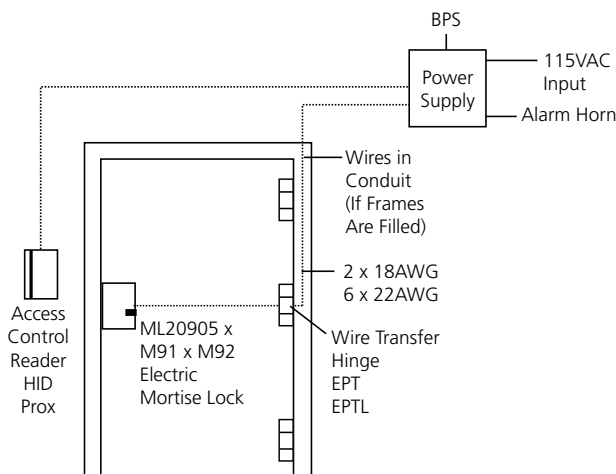
Access Control on Employee Entrance



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.

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.

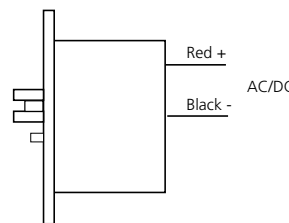


ElectroLynx®, a system of universal Molex® plug-in connectors and standardized color-coded wiring, makes installing electrified doorway components a snap!

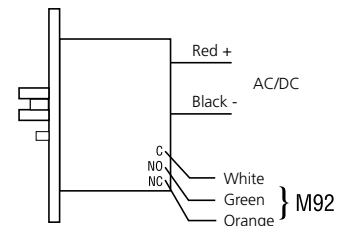


Lock Schematics

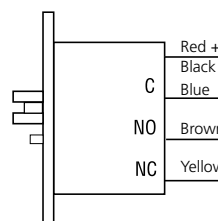
Power Leads



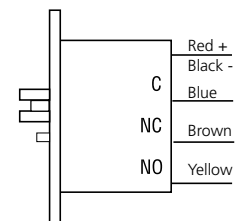
Power Leads x M92 (Request to Exit)



Power Leads x M91 (Latchbolt Monitor)



Power Leads x M105 (Security Monitor)



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

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 1" (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 )
-  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-™ 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.

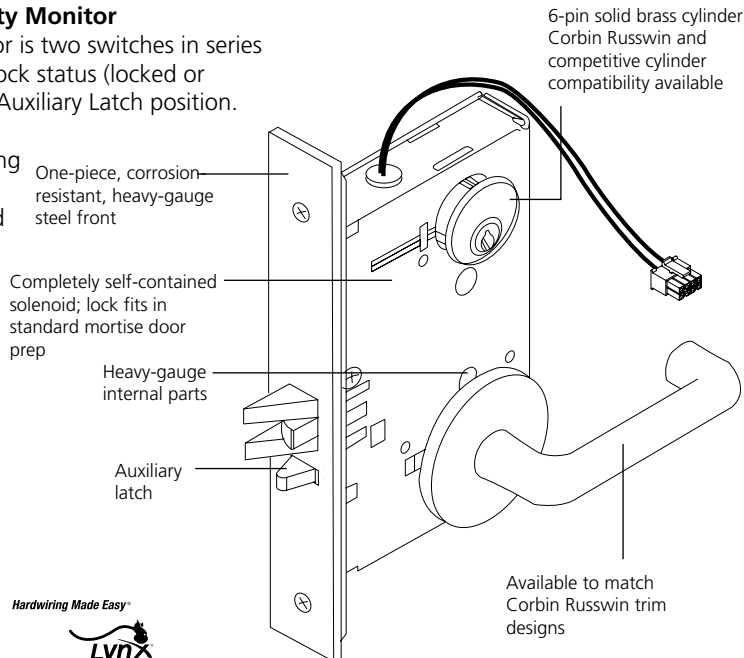
M92 - Request to Exit Monitor

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.

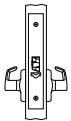
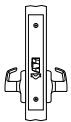

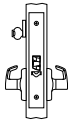

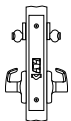

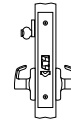
California State Reference Code

(Formerly Title 19, California State Fire Marshal Standard)

All levers with returns comply; levers return to within 1/2" of door face.

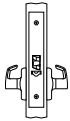
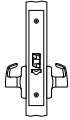

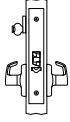

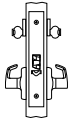

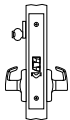
Fail Safe

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

Outside	Inside	Series/Function	Description
		ML20910 VR HS	<ul style="list-style-type: none"> Latchbolt by grip either side, unless outside grip is locked by energizing solenoid. Inside grip always free. Auxiliary latch deadlocks latchbolt.
		ML20920 VR HS	<ul style="list-style-type: none"> Latchbolt by grip either side, unless both grips are locked by energizing solenoid. Auxiliary latch deadlocks latchbolt.
 A01		ML20901 VR HS	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.

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

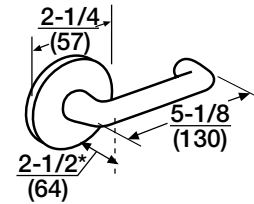
LWB

Lever: Wrought
Rose: Cast



LSA

Lever: Cast
Rose: Wrought



LSB

Lever: Cast
Rose: Cast

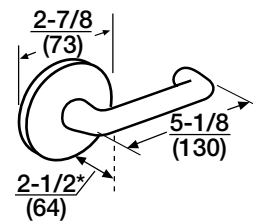
LWF

Lever: Wrought
Rose: Cast



LSF

Lever: Cast
Rose: Cast



Dimensions:

$\frac{\text{inches}}{\text{millimeters}}$

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

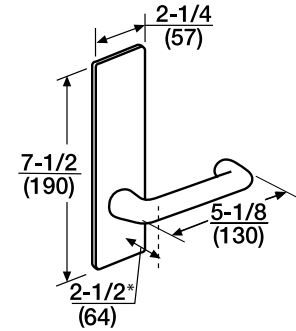
Trim Designs

ML2000 and ML20900 ECL



LWM

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



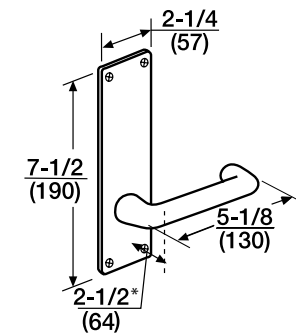
LSM

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



LWN

Lever: Wrought
Escutcheon: Wrought



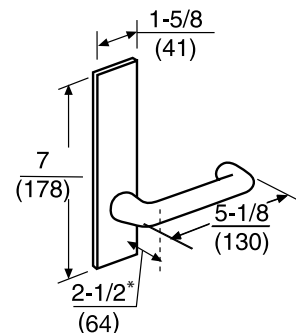
LSN

Lever: Cast
Escutcheon: Wrought



LWP

Lever: Wrought
Escutcheon: Wrought



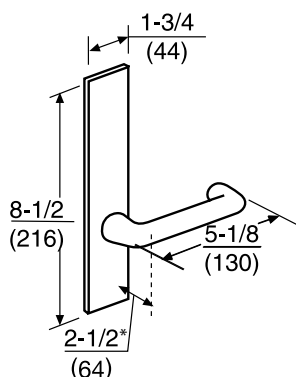
LSP

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



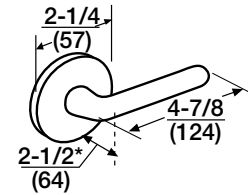
Regis

Brass, bronze or stainless steel



RWA

Lever: Wrought
Rose: Wrought

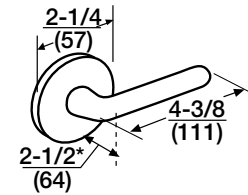


RWB

Lever: Wrought
Rose: Cast

RSA

Lever: Cast
Rose: Wrought



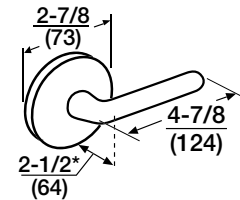
RSB

Lever: Cast
Rose: Cast



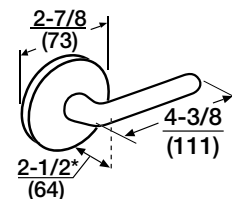
RWF

Lever: Wrought
Rose: Cast



RSF

Lever: Cast
Rose: Cast



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

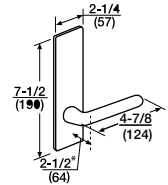
Trim Designs

ML2000 and ML20900 ECL



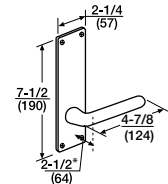
RWM

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



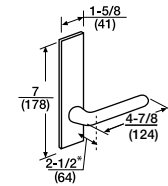
RWN

Lever: Wrought
Escutcheon: Wrought



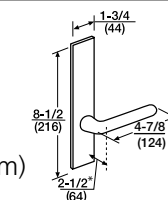
RWP

Lever: Wrought
Escutcheon: Wrought



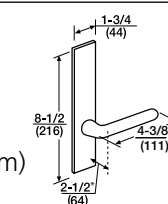
RWR

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



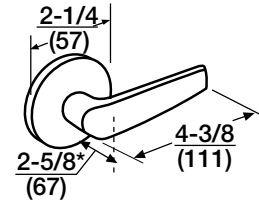
Citation

Brass, bronze or stainless steel



CSA

Lever: Cast
Rose: Wrought



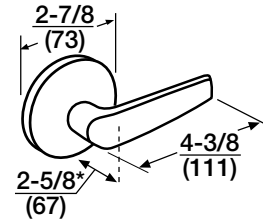
CSB

Lever: Cast
Rose: Cast



CSF

Lever: Cast
Rose: Cast



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

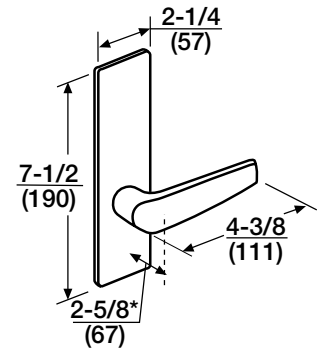
Trim Designs

ML2000 and ML20900 ECL



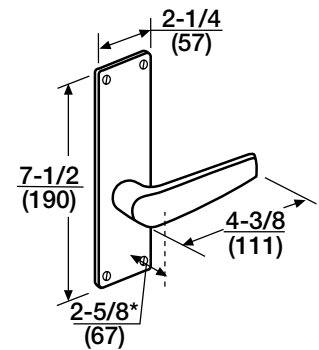
CSM

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



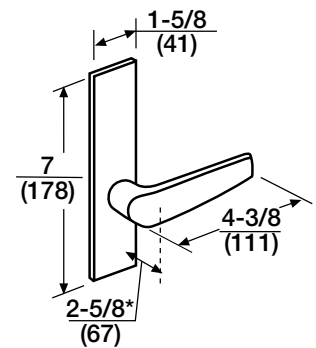
CSN

Lever: Cast
Escutcheon: Wrought



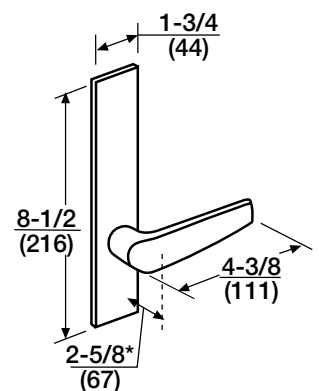
CSP

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.

Trim Designs

ML2000 and ML20900 ECL



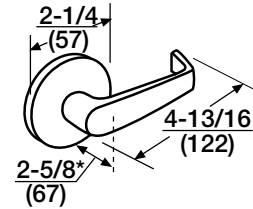
Newport

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



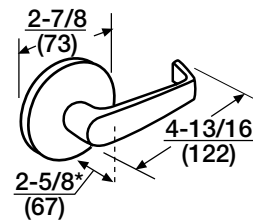
NSB

Lever: Cast
Rose: Cast



NSF

Lever: Cast
Rose: Cast



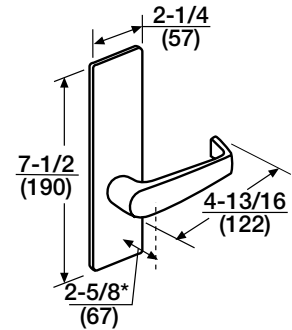
Trim Designs

ML2000 and ML20900 ECL



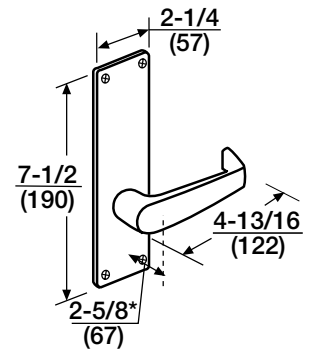
NSM

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



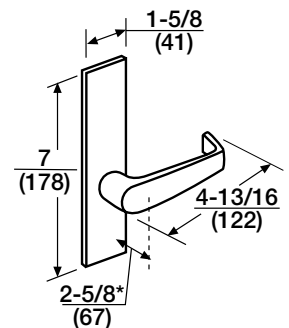
NSN

Lever: Cast
Escutcheon: Wrought



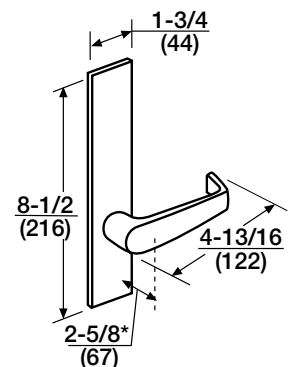
NSP

Lever: Cast
Escutcheon: Wrought



NSR

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



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

Trim Designs

ML2000 and ML20900 ECL



Armstrong

Brass, bronze or stainless steel

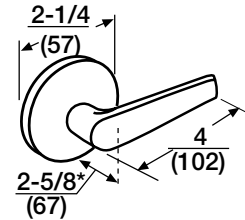


ASA

Lever: Cast
Rose: Wrought

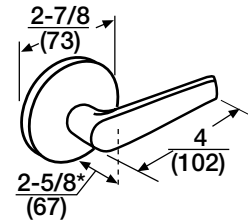
ASB

Lever: Cast
Rose: Cast



ASF

Lever: Cast
Rose: Cast



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

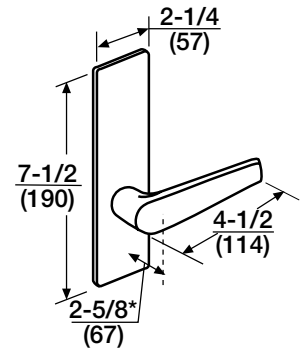
Trim Designs

ML2000 and ML20900 ECL



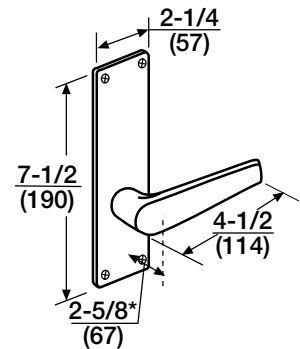
ASM

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



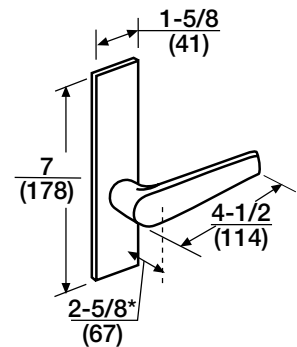
ASN

Lever: Cast
Escutcheon: Wrought



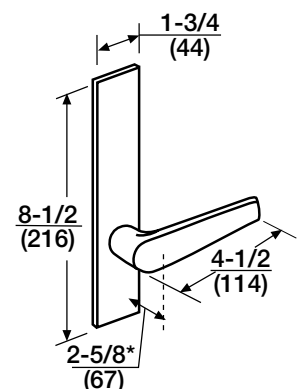
ASP

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

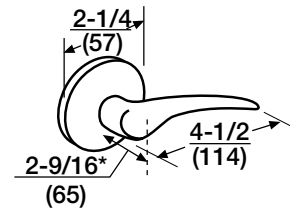


DSA

Lever: Cast
Rose: Wrought
Specify hand

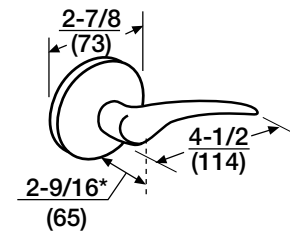
DSB

Lever: Cast
Rose: Cast
Specify hand



DSF

Lever: Cast
Rose: Cast
Specify hand



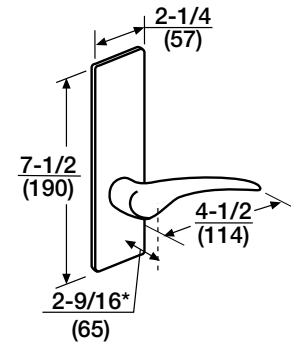
Trim Designs

ML2000 and ML20900 ECL



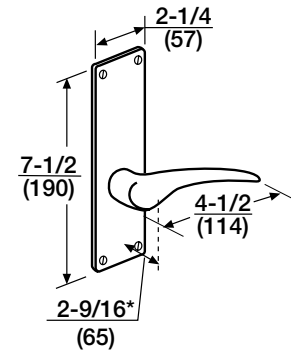
DSM

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



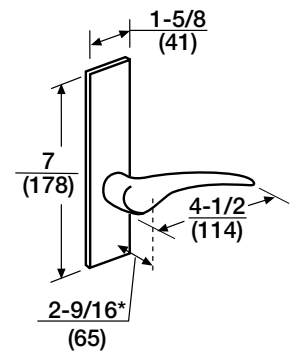
DSN

Lever: Cast
Escutcheon: Wrought
Specify hand



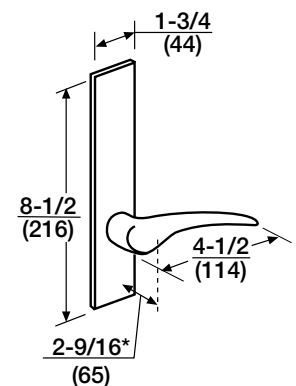
DSP

Lever: Cast
Escutcheon: Wrought
Specify hand



DSR

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



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

Trim Designs

ML2000 and ML20900 ECL



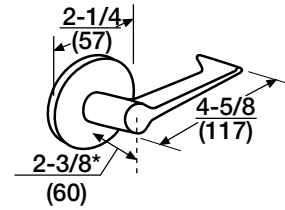
Essex

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



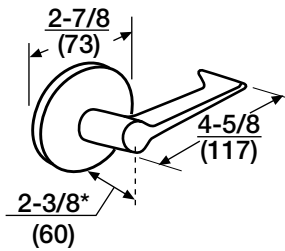
ESB

Lever: Cast
Rose: Cast



ESF

Lever: Cast
Rose: Cast



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

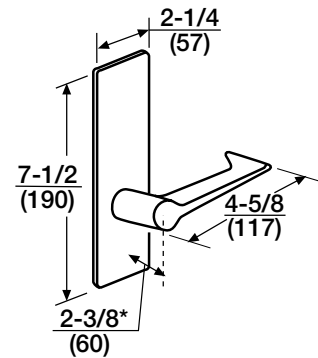
Trim Designs

ML2000 and ML20900 ECL



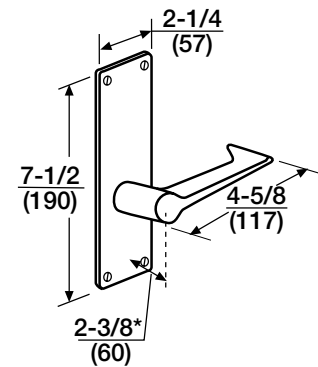
ESM

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



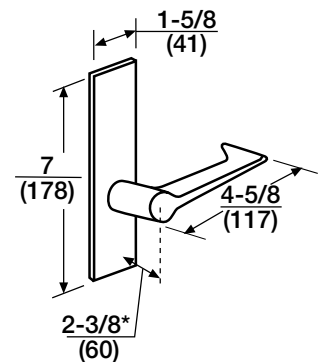
ESN

Lever: Cast
Escutcheon: Wrought



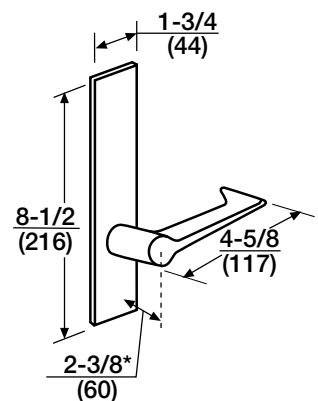
ESP

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

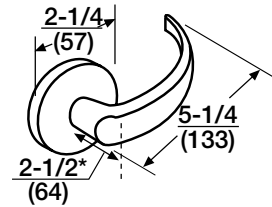
Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

Brass, bronze or stainless steel



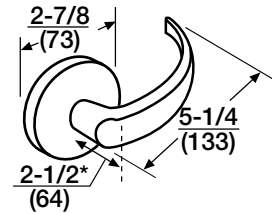
PSA

Lever: Cast
Rose: Wrought



PSF

Lever: Cast
Rose: Cast



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

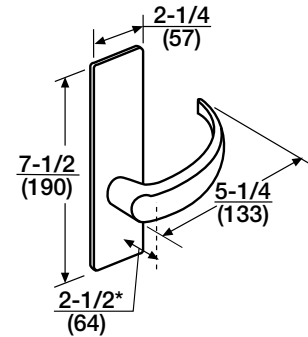
Trim Designs

ML2000 and ML20900 ECL



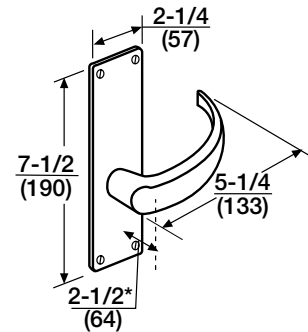
PSM

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



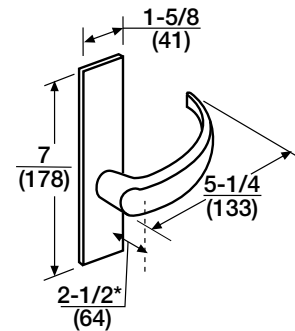
PSN

Lever: Cast
Escutcheon: Wrought



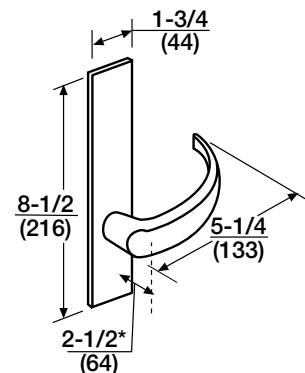
PSP

Lever: Cast
Escutcheon: Wrought



PSR

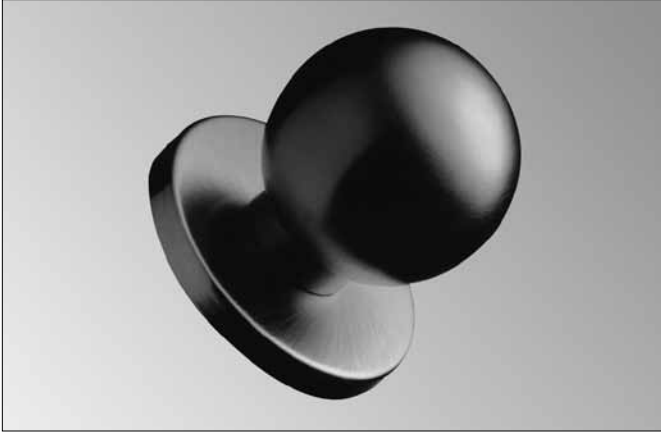
Lever: Cast
Escutcheon: Solid stainless steel;
forged brass
Optional: Plug only to show
Door thickness: 1-3/8" (35mm),
1-3/4" (44mm), 2-1/4" (57mm)



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

Trim Designs

ML2000 and ML20900 ECL



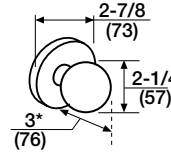
Global

Brass, bronze or stainless steel

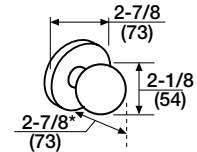


GRC

Knob: Wrought reinforced
Rose: Wrought reinforced



GRC

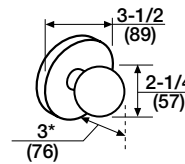


GWC

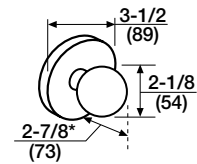


GRD

Knob: Wrought reinforced
Rose: Wrought reinforced



GRD

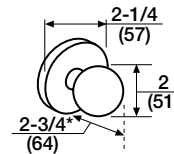


GWD

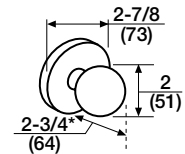


GSA

Knob: Cast
Rose: Wrought



GSA
GSB



GSF

GSB

Knob: Cast
Rose: Cast

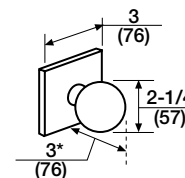
GSF

Knob: Cast
Rose: Cast

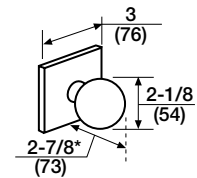


GRE

Knob: Wrought reinforced
Rose: Wrought reinforced



GRE



GWE

GWE

Knob: Wrought
Rose: Wrought reinforced

Trim Designs

ML2000 and ML20900 ECL



GRM¹

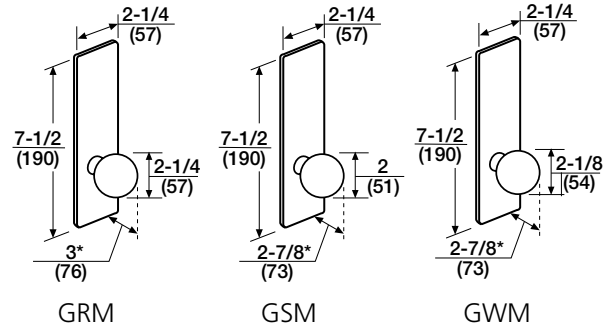
Knob: Wrought reinforced
Escutcheon: Wrought

GSM¹

Knob: Cast
Escutcheon: Wrought

GWM¹

Knob: Wrought
Escutcheon: Wrought



GRN

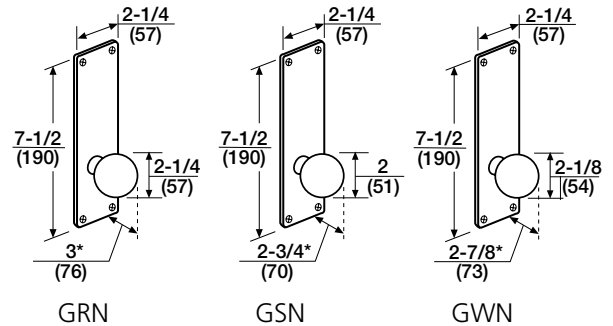
Knob: Wrought reinforced
Escutcheon: Wrought

GSN

Knob: Cast
Escutcheon: Wrought

GWN

Knob: Wrought
Escutcheon: Wrought



GRP

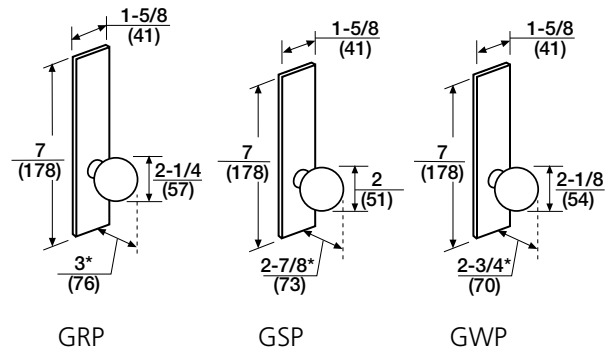
Knob: Wrought reinforced
Escutcheon: Wrought

GSP

Knob: Cast
Escutcheon: Wrought

GWP

Knob: Wrought
Escutcheon: Wrought



GSR^{1, 2}

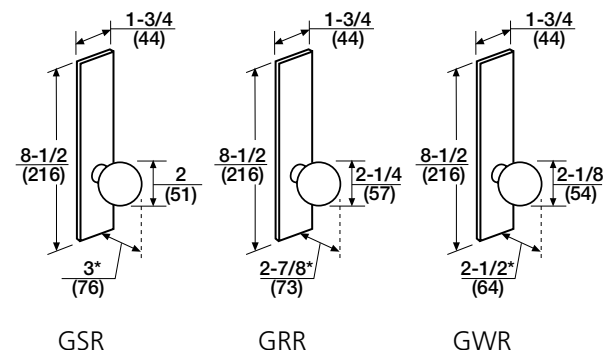
Knob: Cast
Escutcheon: Solid stainless steel; forged brass

GRR^{1, 2}

Knob: Wrought reinforced
Escutcheon: Solid stainless steel; forged brass

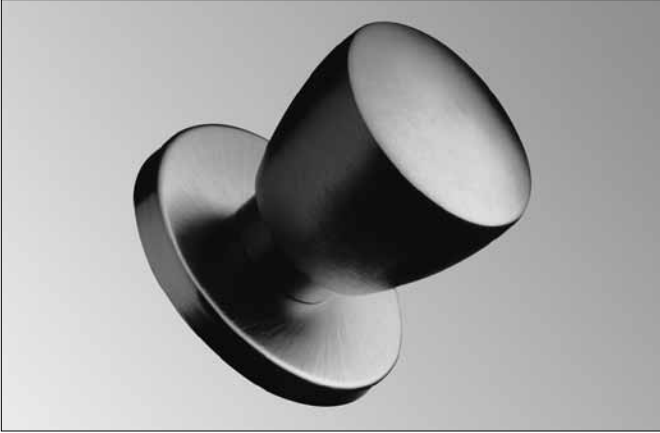
GWR^{1, 2}

Knob: Wrought
Escutcheon: Solid stainless steel; forged brass



Trim Designs

ML2000 and ML20900 ECL



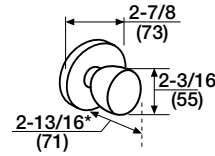
Belmont

Brass, bronze or stainless steel

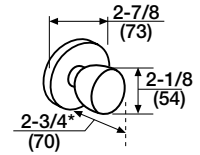


BRC

Knob: Wrought reinforced
Rose: Wrought reinforced



BRC



BWC

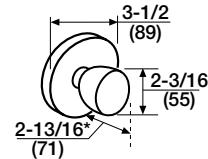
BWC

Knob: Wrought
Rose: Wrought reinforced

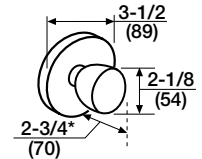


BRD

Knob: Wrought reinforced
Rose: Wrought reinforced



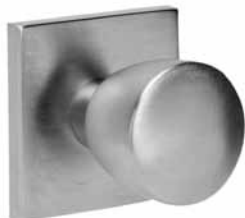
BRD



BWD

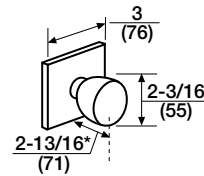
BWD

Knob: Wrought
Rose: Wrought reinforced

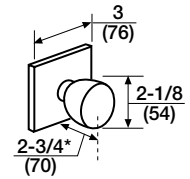


BRE

Knob: Wrought reinforced
Rose: Wrought reinforced



BRE



BWE

BWE

Knob: Wrought
Rose: Wrought reinforced

Trim Designs

ML2000 and ML20900 ECL

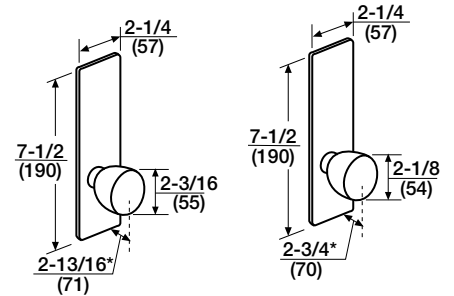


BRM¹

Knob: Wrought reinforced
Escutcheon: Wrought

BWM¹

Knob: Wrought
Escutcheon: Wrought



BRM

BWM

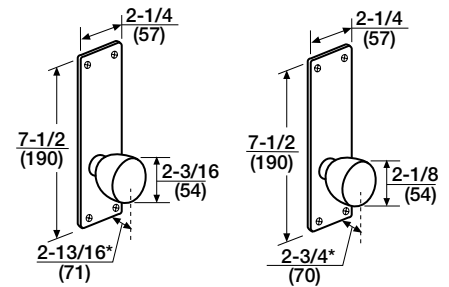


BRN

Knob: Wrought reinforced
Escutcheon: Wrought

BWN

Knob: Wrought
Escutcheon: Wrought



BRN

BWN

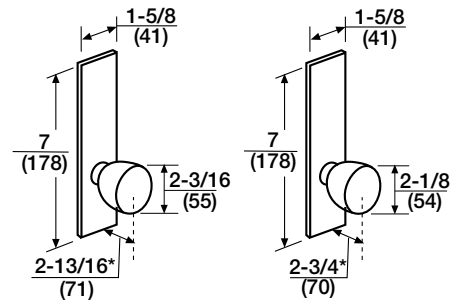


BRP

Knob: Wrought reinforced
Escutcheon: Wrought

BWP

Knob: Wrought
Escutcheon: Wrought



BRP

BWP

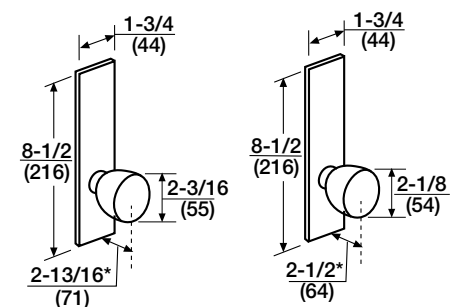


BRR^{1,2}

Knob: Wrought reinforced
Escutcheon: Solid stainless steel;
forged brass

BWR^{1,2}

Knob: Wrought
Escutcheon: Solid stainless steel;
forged brass



BRR

BWR

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

Trim Designs

ML2000 and ML20900 ECL



Yankee

Brass, bronze or stainless steel



YWA

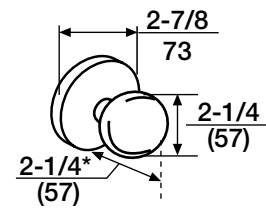
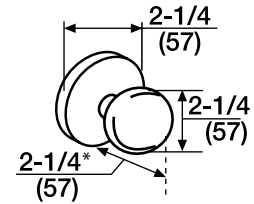
Knob: Wrought
Rose: Wrought

YWB

Knob: Wrought
Rose: Cast

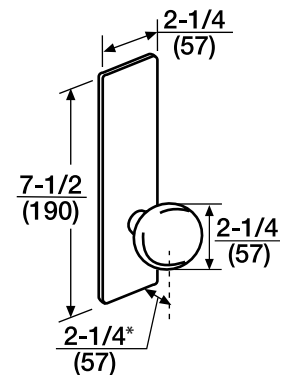
YWF

Knob: Wrought
Rose: Cast



YWM

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



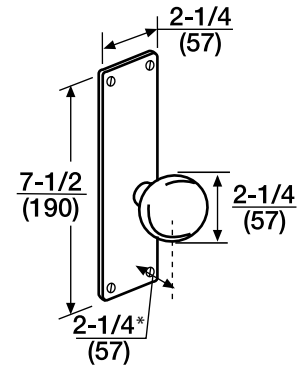
Trim Designs

ML2000 and ML20900 ECL



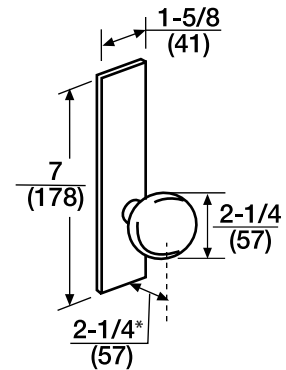
YWN

Knob: Wrought
Rose: Wrought



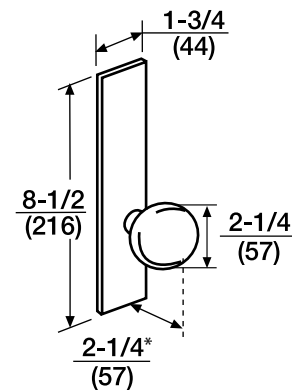
YWP

Knob: Wrought
Escutcheon: Wrought



YWR

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



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

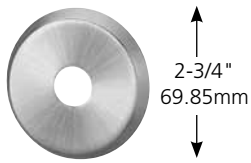
Muséo® Trim

ML2000 and ML20900 ECL

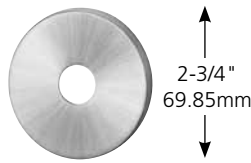
Muséo® Collection Roses¹ and Escutcheons



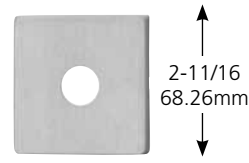
V Rose
Wrought



U Rose
Wrought



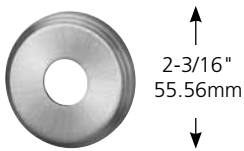
T Rose
Wrought



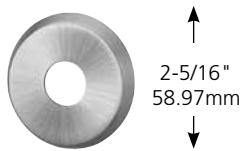
E2 Rose²
Wrought



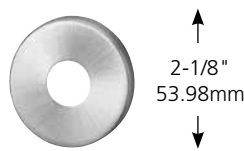
L Escutcheon
Cast Brass



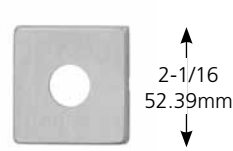
Y Rose
Wrought



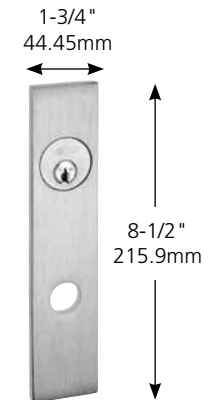
W Rose
Wrought



X Rose
Wrought



E3 Rose²
Wrought

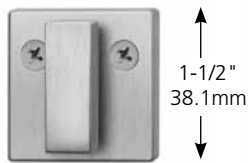


R Escutcheon
Solid Stainless Steel
or Forged Brass

Thumbturns³



MT1

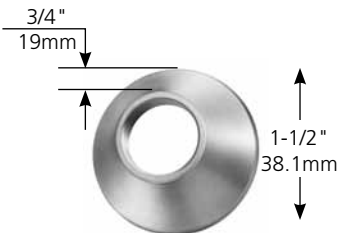


MT2

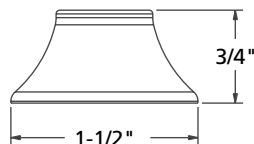


MT3

Inspire™ Roseless Trim



Brass or Stainless Steel



Notes:

1. Roses and Inspire trim are only available with *Muséo* levers.
2. Square cylinder collar and thumbturn backplate automatically supplied with E2 and E3 roses.
3. Thumbturn back plate will match shape of rose chosen (i.e. round or square).

Inspire™ Roseless Trim

ML2000 and ML20900 ECL



MUSÉO.

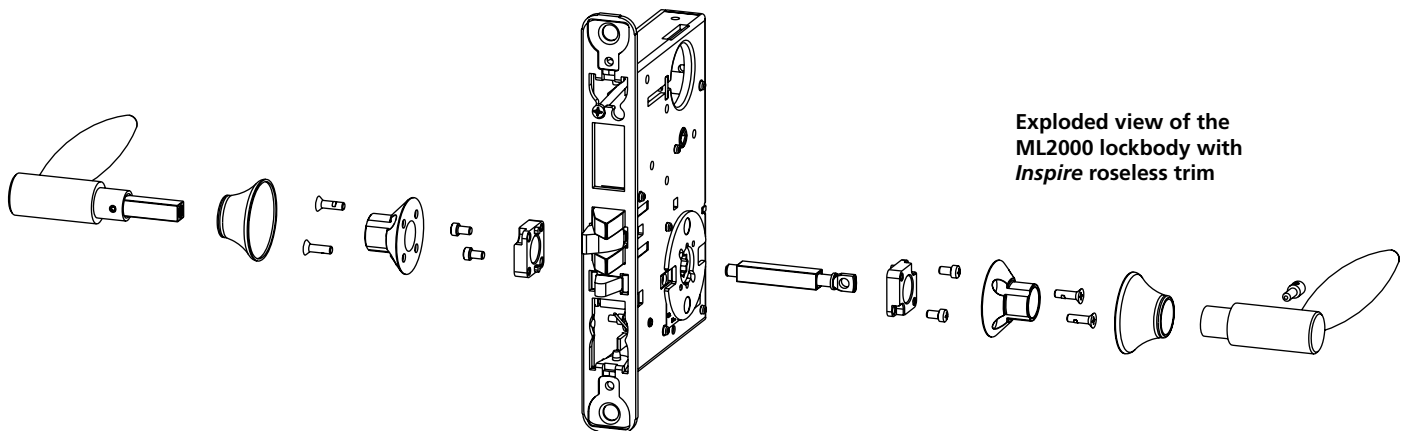
Inspire™ Roseless Trim



Inspire roseless trim blends the lever and the door creating an artful approach 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



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.

Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



MUSÉO.

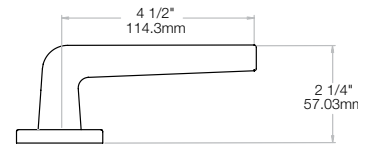
Georgia

Timeless elegance in forms inspired by the natural world.



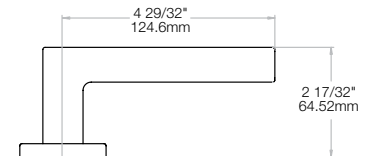
101^{2/3}

Lever: Cast
Non-Handed lever



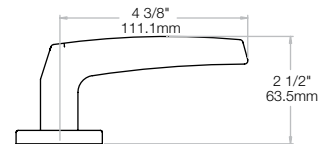
102

Lever: Cast
Non-Handed lever



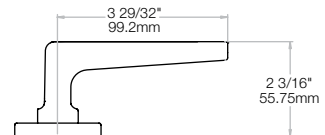
103

Lever: Cast
Non-Handed lever



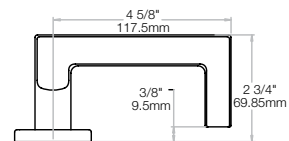
104²

Lever: Cast
Non-Handed lever



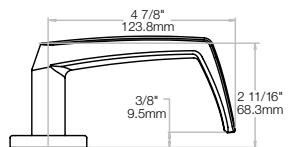
124¹

Lever: Cast
Non-Handed lever



125¹

Lever: Cast
Non-Handed lever



Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



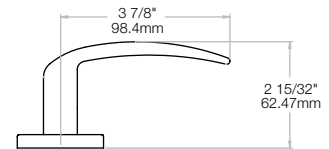
MUSÉO

Pablo

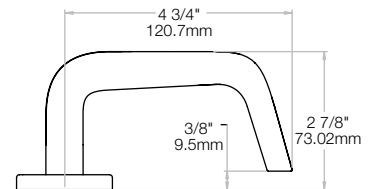
Diminutive, yet distinctive and striking in style.



117
Lever: Cast
Non-Handed lever



126¹
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



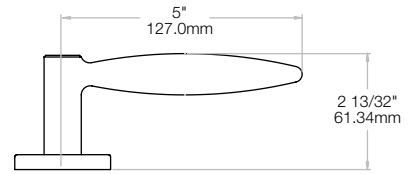
MUSÉO.

Jackson

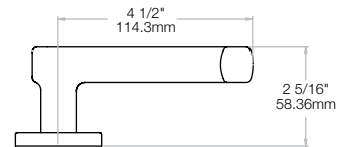
Intuitive shapes, moving with the energetic rhythm of modern life.



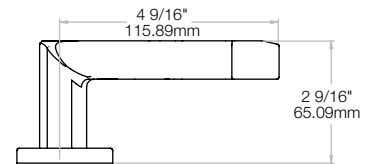
105³
Lever: Cast
Non-handed lever



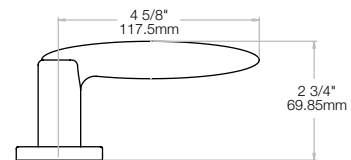
119
Lever: Cast
Handed - Specify hand
Non-Reversible



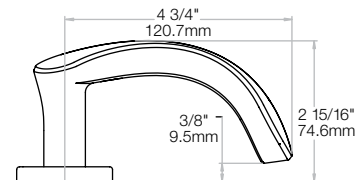
121²
Lever: Cast
Handed - Specify hand
Non-Reversible



122
Lever: Cast
Handed - Specify hand
Non-Reversible



127¹
Lever: Cast
Handed - Specify hand
Non-Reversible



Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



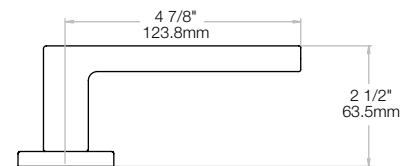
MUSÉO.

Salvador

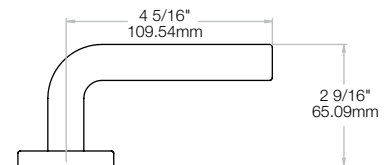
Dreamlike beauty manifested in solid, familiar forms.



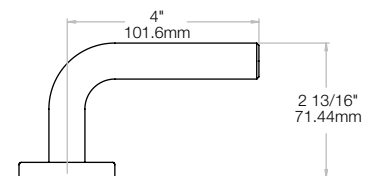
106
Lever: Cast
Non-handed lever



107
Lever: Cast
Non-handed lever



108
Lever: Cast
Non-handed lever



Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



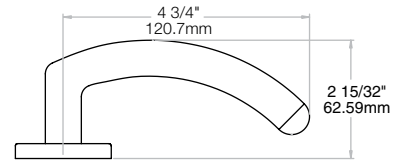
MUSÉO.

Salvador

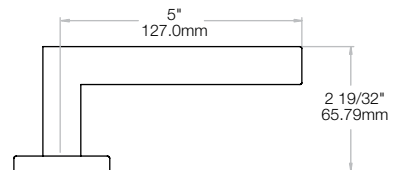
Dreamlike beauty manifested in solid, familiar forms.



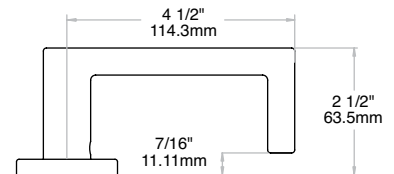
109
Lever: Cast
Non-Handed lever



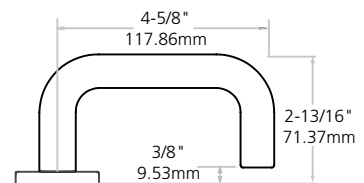
110
Lever: Cast
Non-handed lever



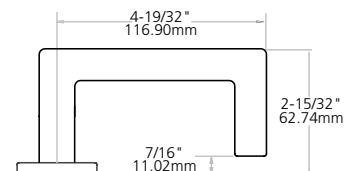
123¹
Lever: Cast
Non-handed lever



128¹
Lever: Cast
Non-handed lever



129¹
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

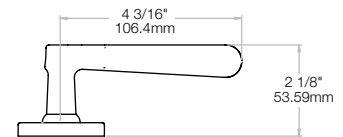
Marc

Fluid lyricism expressed through whimsical lines and dynamic contours.



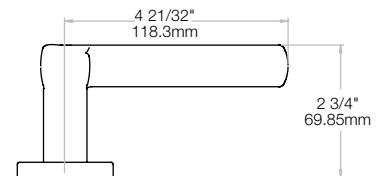
111²

Lever: Cast
Handed - Specify hand
Non-Reversible



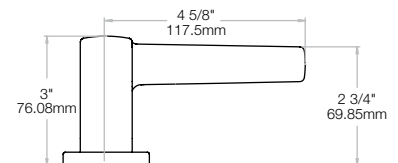
112

Lever: Cast
Handed - Specify hand
Non-Reversible



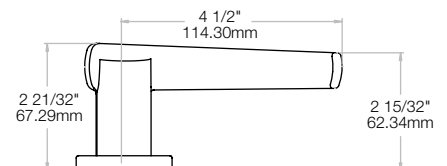
113²

Lever: Cast
Handed - Specify hand
Non-Reversible



114

Lever: Cast
Handed - Specify hand
Non-Reversible



2. Not available with Inspire™ roseless trim.

ASSA ABLOY, the global leader in door opening solutions

ML2000.43

Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



MUSÉO.

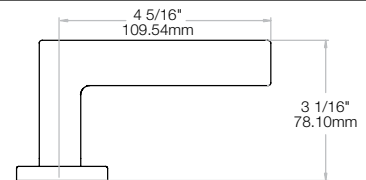
Marc

Fluid lyricism expressed through whimsical lines and dynamic contours.



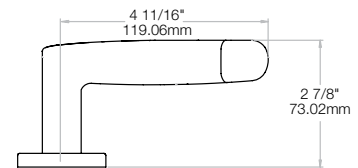
115

Lever: Cast
Handed - Specify hand
Non-Reversible



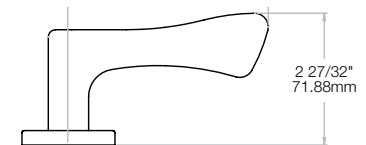
116

Lever: Cast
Handed - Specify hand
Non-Reversible



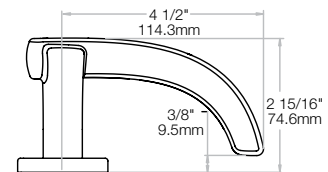
120³

Lever: Cast
Handed - Specify hand
Non-Reversible



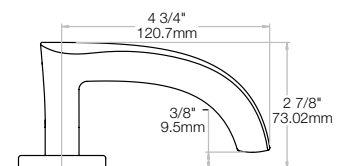
130¹

Lever: Cast
Handed - Specify hand
Non-Reversible



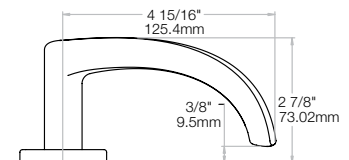
131¹

Lever: Cast
Handed - Specify hand
Non-Reversible



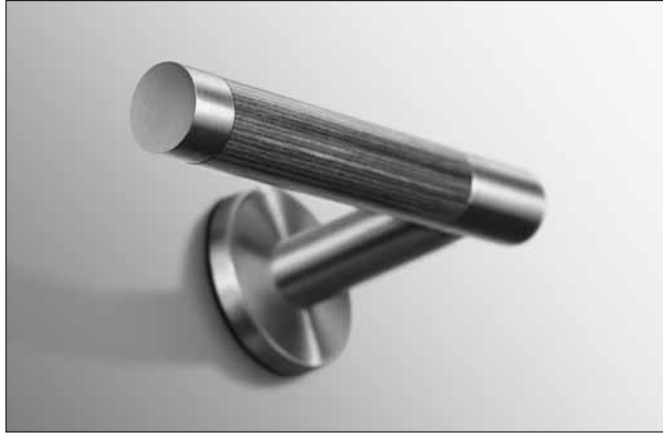
132¹

Lever: Cast
Handed - Specify hand
Non-Reversible



Muséo® Collection Trim Designs

ML2000 and ML20900 ECL



MUSÉO

Piet²

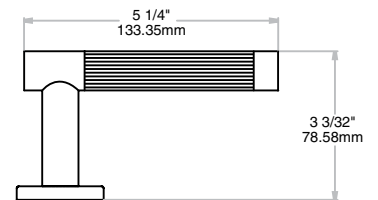
Striking levers with sleek, clean lines.



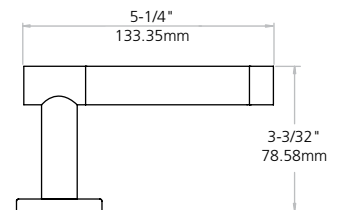
*Refer to page 62 for how to order the Muséo® Piet Lever Collection.
2. Not available with Inspire™ roseless trim.



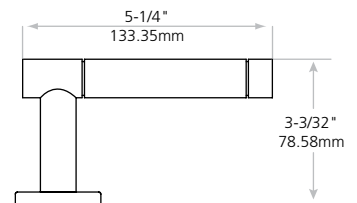
21G
Grooved Insert
Lever: Stainless Steel
Non-Handed Lever



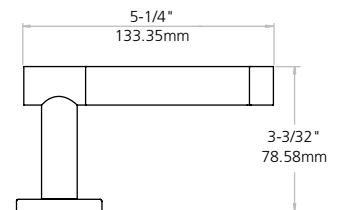
21L
Leather Insert
Lever: Cast
Non-Handed Lever



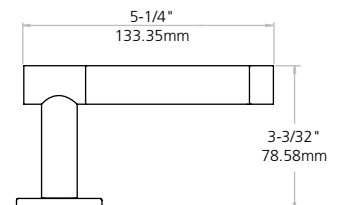
21M
Polished with Satin Insert
Lever: Cast
Non-Handed Lever



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.

Piet²

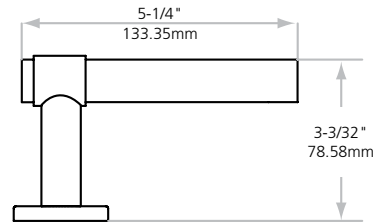
Striking levers with sleek, clean lines.



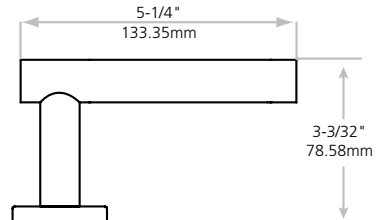
*Refer to page 62 for how to order the Muséo® Piet Lever Collection.
2. Not available with Inspire™ roseless trim.



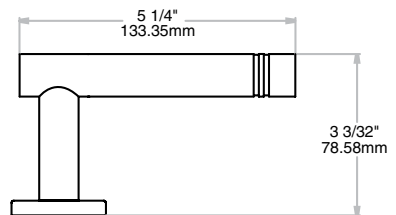
23M
With Raised Band
Lever: Cast
Non-Handed Lever



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



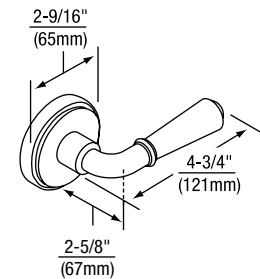
Merlot

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



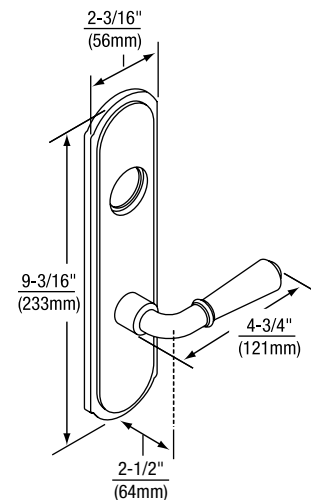
MSG

Lever: Cast
Rose: Cast



MSL

Lever: Cast
Escutcheon: Cast



Vineyard™ Collection Trim Designs

ML2000 and ML20900 ECL



Frascati

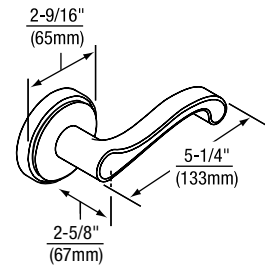
Fresh yet classic, the Frascati exudes the casual, timeless elegance of the Roman hills.

- Non-Reversible
- Handed Levers



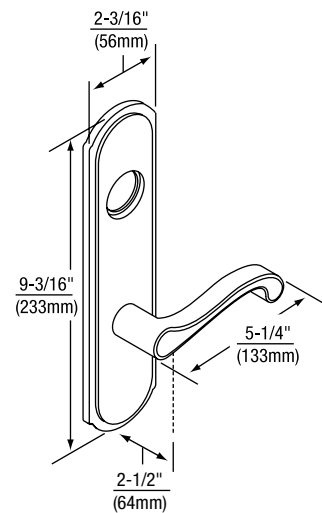
FSG

Lever: Cast
Rose: Cast
Specify hand.



FSL

Lever: Cast
Escutcheon: Cast
Specify hand.



Vineyard™ Collection Trim Designs

ML2000 and ML20900 ECL



Vineyard™
collection

Zinfandel

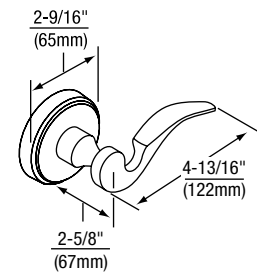
Vigorous and complex in design, the Zinfandel adds finesse to any opening.

- Non-Reversible
- Handed Levers



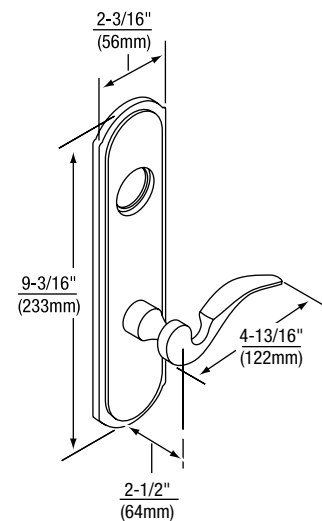
ZSG

Lever: Cast
Rose: Cast
Specify hand.



ZSL

Lever: Cast
Escutcheon: Cast
Specify hand.



Vineyard™ Collection Trim Designs

ML2000 and ML20900 ECL

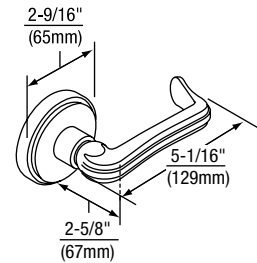


Tuscany

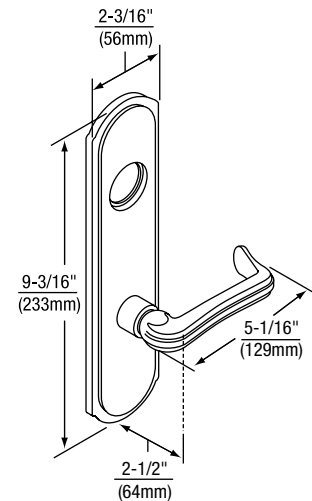
In true Renaissance spirit, the Tuscany brings balance and beauty to every interior.



TSG
Lever: Cast
Rose: Cast



TSL
Lever: Cast
Escutcheon: Cast



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

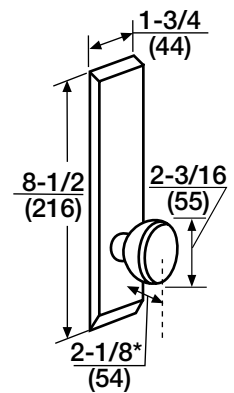


Surety

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.

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

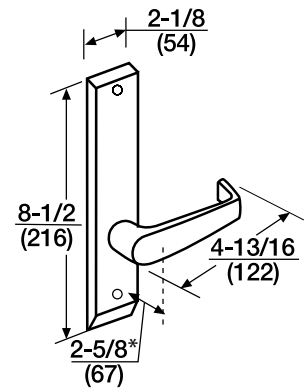
- Flush-mounted conventional fixed core cylinder
- Cast escutcheons and levers; double through-bolted
- Torx® pin tamper resistant security screws
- Armored front to protect against tampering
- Free-floating spindle self-adjusts for door thicknesses from 1-3/4" to 2-1/4"
- Levers remain attached if spindle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



Newport

NSV

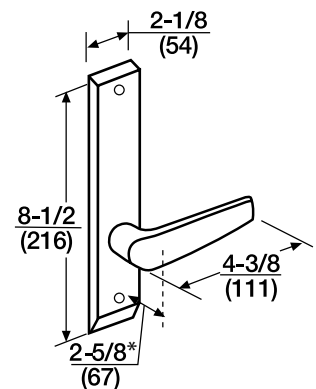
Lever: Cast stainless steel
Escutcheon: Cast stainless steel
Door thickness: 1-3/4" (44mm) standard, 2" (51mm) specify D200, 2-1/4" (57mm) specify D214



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.



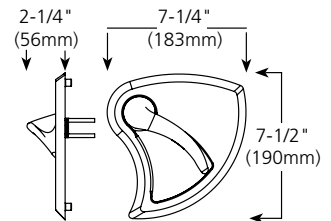
BHSS*

Part of the Behavioral Health Series™ of products, the ML2000 mortise lock with BHSS trim provides an innovative solution for behavioral health environments. The unique integrated lever and escutcheon combines aesthetics with safety. Ease of operation, along with the strength and versatility of the ML2000 mortise lock allows its use in many applications.

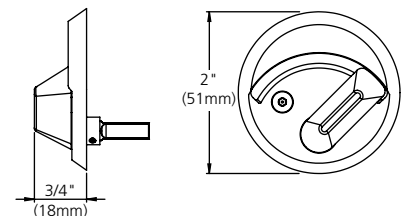
Refer to the Specialty Hardware Catalog (45205) for more information.



BHSS
Stainless Steel



Thumbturn - BHSS
Stainless Steel
Door thickness: 1-3/4" (44mm)
through 2-1/4" (57mm)



How to Order

BHSS

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

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

*Although these products are better designed for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.

Trim Designs

ML2000



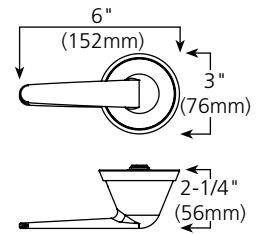
BLSS*

The BLSS trim is part of the Behavioral Health Series™ of products. With an array of functions, this trim can be used on virtually any opening in healthcare applications. Sloping surfaces and overlapping rose and lever address safety concerns common in behavioral health. Optimal for tough environments, the ML2000 mortise lock provides impressive strength and reliability.

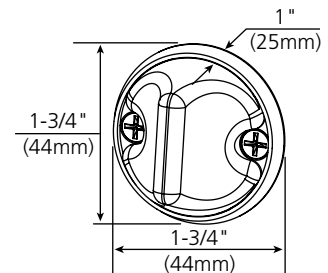
Refer to the Specialty Hardware Catalog (45205) for more information.



BLSS
Stainless Steel



Thumbturn - BLSS
Stainless Steel
Door thickness: 1-3/4" (44mm)
through 2-1/4" (57mm)



How to Order

BLSS

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

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

*Although these products are a better design for behavioral health applications than traditional trim, they do not eliminate the risk that an object can be affixed to, or around them.



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

HPSK

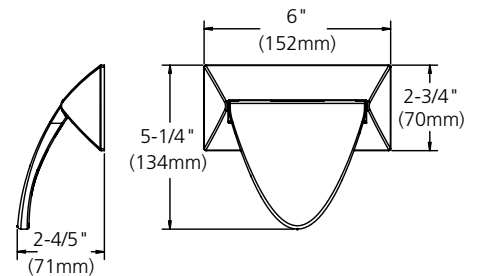
The ML2000 mortise lock with push/pull paddle trim provides an aesthetically pleasing alternative to products with standard push/pull trim. Its heavy-duty design and ANSI/ BHMA Grade1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation 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.



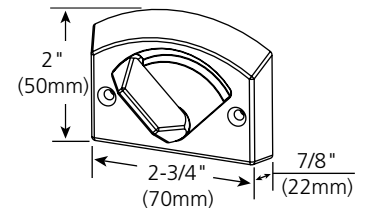
HPSK

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 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.

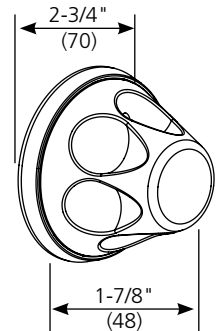


Anti-Harm Knob HSS

Brass

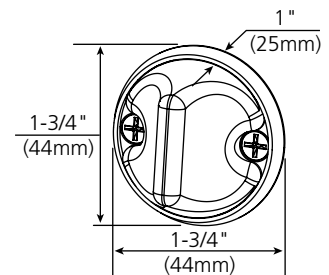
Knob: Brass
Door thickness: 1-3/4" (44mm) through 4" (102mm).
Finishes: 606, 626, and 626C

*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.



Thumbturn - HSS

Standard for all ML2000 x HSS thumbturn functions



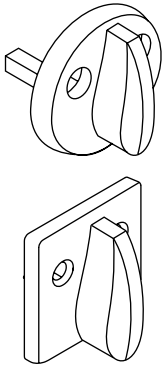
How to Order

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



Standard Thumbturn

Cast brass or bronze. Standard on functions utilizing thumbturn. Sectional Trim.

Turn Size: 1-1/4" (32mm)

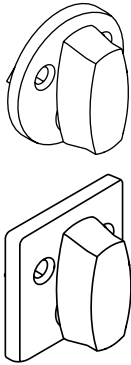
Spindle Size: 3/16" (5mm)

Plate Size: 1-3/8" (35mm) diameter

Surface screw mounted To order separately, see table.

- Round backplate and standard turn default for all round roses.
- Square backplate and standard turn default for E2 and E3 roses.

Door	Packet	
	Round	Square
1-3/8" (35mm)	519F09 x FIN	814F10 x FIN
1-3/4" (44mm)	519F10 x FIN	814F11 x FIN
2-1/4" (57mm)	519F11 x FIN	814F12 x FIN
Up to 4" (102mm)	581F96 x FIN	814F13 x FIN



Decorative Thumbturn MT1

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.

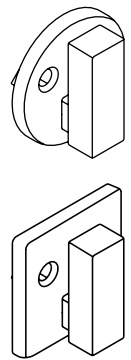
To order with lock and trim, specify Quick Code MT1. To order separately, see table.

Turn Size: 1-3/10" (33mm)

Plate Size: 1-1/2" (38.1mm) diameter

- Rose design will designate shape of thumbturn backplate.
 - T, U, V, W, X, Y roses - round backplate
 - E2 and E3 roses - square backplate

Door	Packet	
	Round	Square
1-3/8" (35mm)	723F70M x FIN	723F71M x FIN
1-3/4" (44mm)	723F76M x FIN	723F77M x FIN
2-1/4" (57mm)	723F88M x FIN	723F89M x FIN
Up to 4" (102mm)	723F82M x FIN	723F83M x FIN



Decorative Square Thumbturn MT2

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.

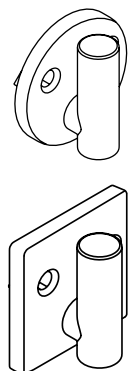
To order with lock and trim, specify Quick Code MT2. To order separately, see table.

Turn Size: 1-3/10" (33mm)

Plate Size: 1-1/2" (38.1mm) square

- Rose design will designate shape of thumbturn backplate.
 - T, U, V, W, X, Y roses - round backplate
 - E2 and E3 roses - square backplate

Door	Packet	
	Round	Square
1-3/8" (35mm)	723F72M x FIN	723F73M x FIN
1-3/4" (44mm)	723F78M x FIN	723F79M x FIN
2-1/4" (57mm)	723F90M x FIN	723F91M x FIN
Up to 4" (102mm)	723F84M x FIN	723F85M x FIN



Decorative Cylinder Thumbturn MT3

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only.

To order with lock and trim, specify Quick Code MT3. To order separately, see table.

Turn Size: 1-3/10" (33mm)

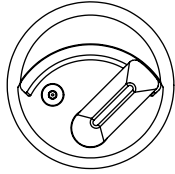
Plate Size: 1-1/2" (38.1mm) diameter

- Rose design will designate shape of thumbturn backplate
 - T, U, V, W, X, Y roses - round backplate
 - E2 and E3 roses - square backplate

Door	Packet	
	Round	Square
1-3/8" (35mm)	723F74M x FIN	723F75M x FIN
1-3/4" (44mm)	723F80M x FIN	723F81M x FIN
2-1/4" (57mm)	723F92M x FIN	723F93M x FIN
Up to 4" (102mm)	723F86M x FIN	723F87M x FIN

Options & Accessories

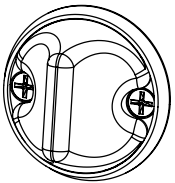
ML2000



BHSS Thumbturn

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 2-1/4" (57mm) diameter

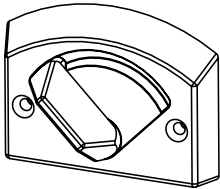
Door	Packet
1-3/4" (44mm)	813F177 x FIN
2" (51mm)	813F187 x FIN
2-1/4" (57mm)	813F097 x FIN



BLSS Thumbturn

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 1-3/4" (44mm) diameter

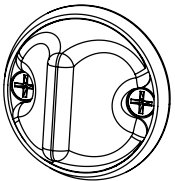
Door	Packet
1-3/4" (44mm)	813F92M x FIN
2" (51mm)	813F93M x FIN
2-1/4" (57mm)	813F94M x FIN



HPSK Thumbturn

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 2-3/4" (70mm) x 2" (50mm)

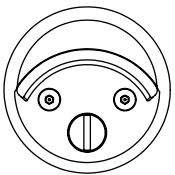
Door	Packet
1-3/8" (35mm)	723F72M x FIN
1-3/4" (44mm)	723F78M x FIN
2-1/4" (57mm)	723F90M x FIN
Up to 4" (102mm)	723F84M x FIN



HSS Thumbturn

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 1-3/4" (44mm) diameter

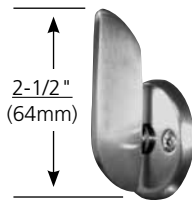
Door	Packet
1-3/4" (44mm)	723F04M x FIN
2" (51mm)	723F05M x FIN
2-1/4" (57mm)	723F06M x FIN



Emergency Turn

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 2-1/4" (57mm) diameter

Door	Packet
1-3/4" (44mm)	813F747 x FIN
2" (51mm)	813F757 x FIN
2-1/4" (57mm)	813F767 x FIN

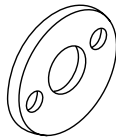


Ergonomic Thumbturn

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.

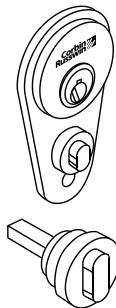
Note: This lever is not available with the M19N, M19SN, or M19VN indicators.

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



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.

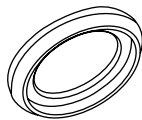


Hotel Occupancy Indicators

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.

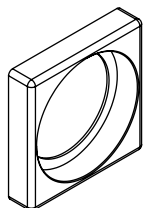
Collar and Indicator Assembly	
Door	Packet
1-3/8" (35mm)	429F08 x FIN
1-3/4" (44mm)	416F84 x FIN
2-1/4" (57mm)	484F74 x FIN



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.



Square Cylinder Collar

Included when ordering Muséo® E2 and E3 square roses. Used on all cylinder functions.

Size: 1.625" square
Contact TPS to determine correct collar size.

Options & Accessories

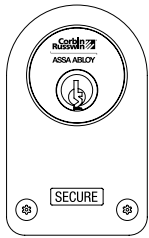
ML2000

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)

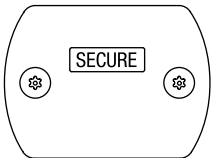


Indicators – Keyed Functions

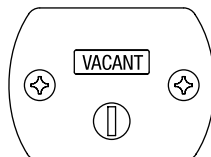
- Can be used on either side of door for double cylinder functions
- Compatible with select sectional trim rose designs: A, B, W, X, Y

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

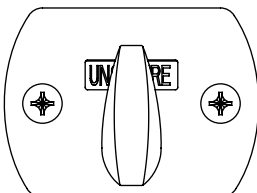
- Inside Indicator always reads Secure/Unsecure
- Outside Indicator features slot-turn emergency override
- Compatible with all sectional trim rose designs: A, B, C, D, E, F, G, T, U, V, W, X, Y

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		
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

Options and Accessories

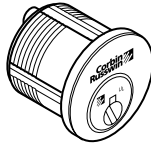
ML2000 and ML20900 ECL

Cylinders

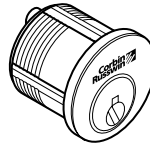
Conventional (standard for ML2000)
Pyramid (optional)

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

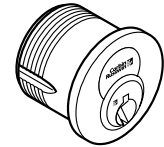
Pyramid



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).

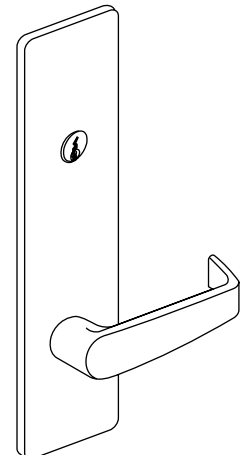
- (HS) Indicates cylinder is available with ML2000HS lockset.
- (VR) Indicates function is available with vandal resistant ML2000VR lockset.

**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)

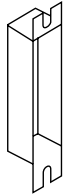
Brass, bronze or stainless steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center (standard)
Optional lip lengths: 7/8" (22mm), 1" (25mm), 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

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)

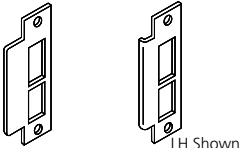
ANSI Wrought Strike Box

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



Open Back

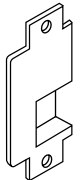
Size: 5-1/4" (133mm) x 1/4" (32mm).

	Part No.	Description
Note: Only Available with ML2000		
	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
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).

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).

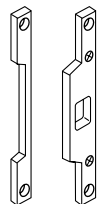


Rabbeted Front and Strike

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

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

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



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:

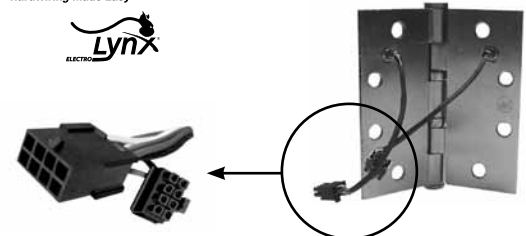
- ML20900 electrified mortise lock
- ASSA ABLOY Door Group pre-wired door, or *ElectroLynx* retrofit cable (order from McKinney)

- 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.

Hardwiring Made Easy™

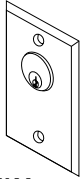


Electrified Options & Accessories

ML20900 ECL

Exit Controls and Switches

Key Switches



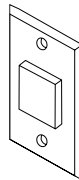
MKA

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.

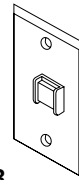
Specifications

- 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

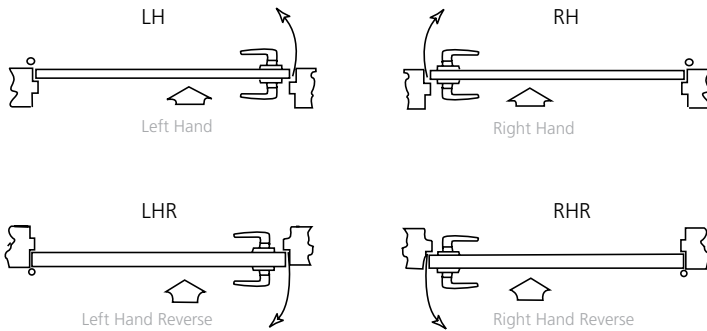
Power Transfers

TSB B-C - Door Cord

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

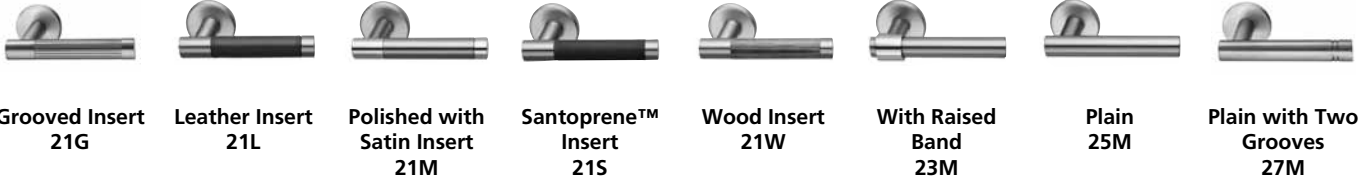
KK Knob x Knob
LL Lever x Lever
LK Lever x Knob
KL Knob x Lever
HL Lever Inside Only
HK Knob Inside Only

Contract / Detailed Order

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

How to Order the Muséo® Piet Levers

ML2000 and ML20900 ECL



Piet Finish Codes

BHMA Finish	Piet Code*	Description
630	30	Satin Stainless Steel
629	29	Bright Stainless Steel
N/A	BH	Birch (wood insert)
N/A	BK	Black (Santoprene™ or leather insert)
N/A	BN	Brown (leather insert)
N/A	00	No Insert

*Code used to specify Piet Collection finishes only. Use available finishes list to specify desired finish when ordering.

Piet Lever Descriptions & Available Finishes

Lever Designation	Lever Description	Available Finishes (as ordered)
21G	Grooved Insert	292929 or 303030
21L	Leather Insert	29BK29, 29BN29 or 30BK30, 30BN30
21M	Metallic Insert	293029** only
21S	Santoprene Insert	29BK29 or 30BK30
21W	Wood Insert	29BH29 or 30BH30
23M	Raised Band	290029, 300030 or 290030**
25M	Plain	290029 or 300030
27M	Two Grooves	290029 or 300030

**Two-tone finish - grip of lever is 630, balance of lever is 629. Rose/escutcheon and lock finish will be 629.

Ordering Examples

Rose Options: E2, E3, T, U, V, W, X, Y

Escutcheon Options: L, R

Quantity	Series/ Function	Trim	Lever Finish	Lock Finish	Hand	Thumbturn Options
2	ML2055	21LU	29BK29	629	RH	MT3
1	ML2051	23ML	290030	629	RH	MT3

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

ASSA ABLOY, the global leader in door opening solutions

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		(standard)
More than 2 keys		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.

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
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

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

Thumbturns

Description	Specify
Ergonomic	M34
Decorative	MT1
Decorative Square	MT2
Decorative Cylinder	MT2

See page 36 for images of decorative thumbturns

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 heavygauge 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 Locks with BHSS and BLSS Trim

- A. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
 1. Acceptable Manufacturers:
 - a. Sargent Manufacturing (SA) - 8200 BHW Series
 - b. Corbin Russwin (RU) – ML2000 BHSS Series
 - c. Accurate Lock (AC) – CP Crescent Pull Series (with Teflon pad)
- B. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to [accepted] [Use with caution] OMH requirements with ligature-resistant lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
 1. Acceptable Manufacturers:
 - a. Sargent Manufacturing (SA) - 8200 BHL Series
 - b. Corbin Russwin (RU) – ML2000 BLSS Series
 - c. Best Lock (BE) – SPSL Series
 - d. Town Steel (TS) – MRX-L Series

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.

How To Specify

ML2000

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 blackout 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.

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)

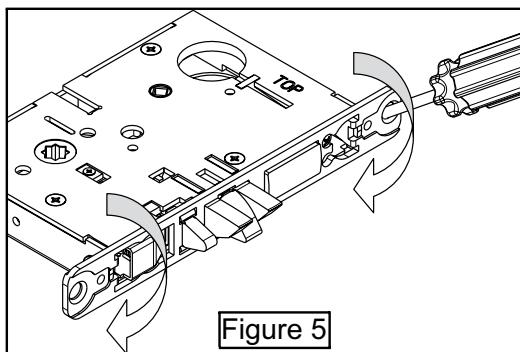
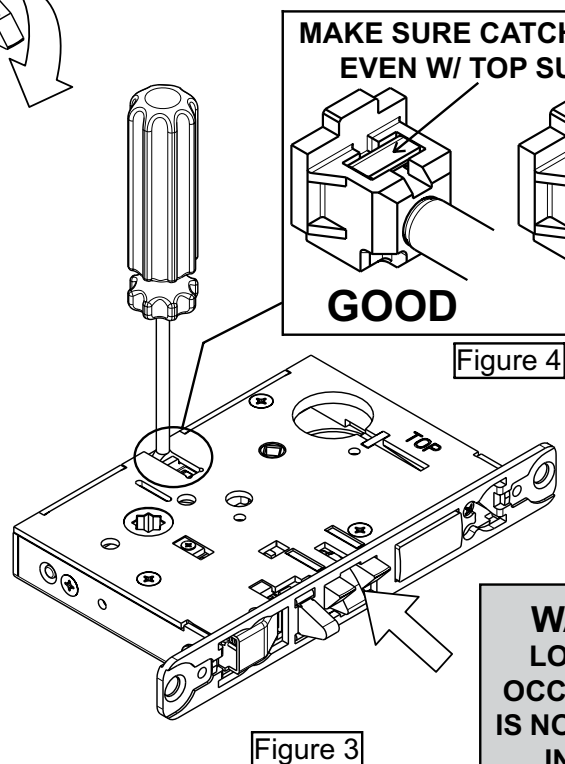
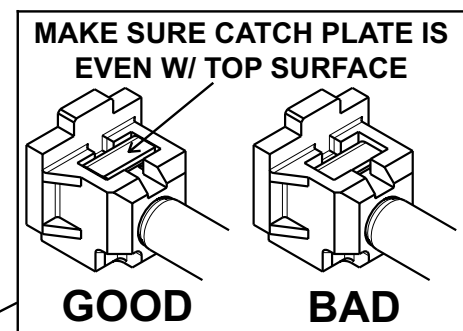
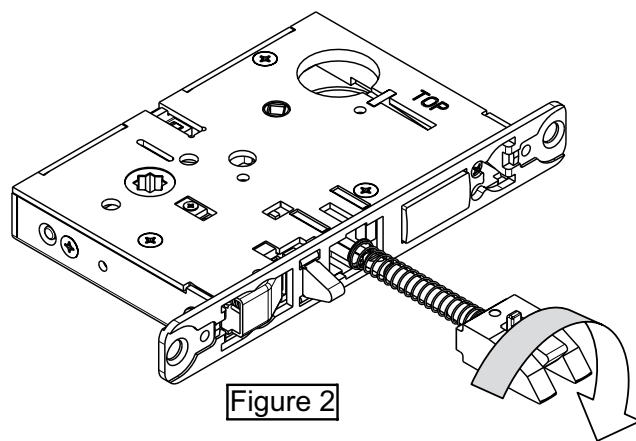
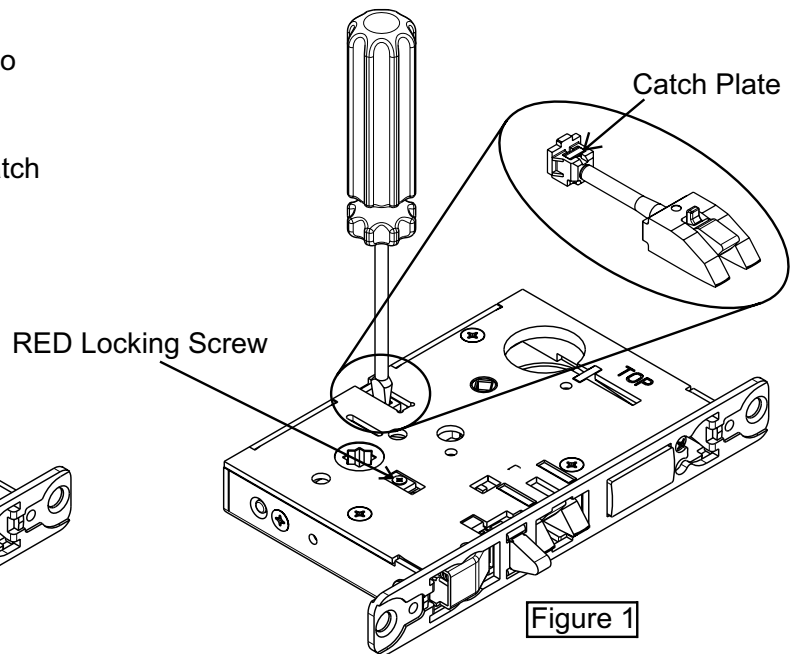
Step 2) Push in latch then depress catch plate with screw driver (Fig. 1)

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

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)

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



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



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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



MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.

MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.



ElectroLynx®

As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY Inc.

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

**Corbin
Russwin** 

ASSA ABLOY

FE5400S

Multi-Point Exit Device Latching System



Storm-Resistant Design
Helps Save Lives



ASSA ABLOY, the global leader in door opening solutions

Overview/Applications and Listings

FE5400S Multi-Point Exit Device Latching System

Table of Contents

- Overview 2
- Applications and Listings.... 2
- Features..... 3
- Functions..... 5
- Trims and Functions 6
- Electrified Exit Devices..... 10
- Mullions..... 15
- Options & Accessories..... 16
- Cylinders..... 16
- Facts & Figures..... 17
- Quick Codes 18
- How to Order 21
- Architectural Specifications..... 22

The Corbin Russwin FE5400S is a robust three-point latching system engineered to help protect lives by securing community shelter entries. Extra-heavy duty steel components secure the door to the frame – at the top, bottom and center latch points – fortifying the opening to withstand extreme wind speeds and flying debris.


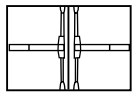
Typical applications include doors located in:

- › Community Shelters and Safe Rooms
- › Corporate Campuses
- › Schools
- › Healthcare Facilities
- › Government Facilities

Features

- › Three point auto deadlocking system
- › All three latching points are activated automatically when the door is closed
- › UL Listed and certified in accordance with FEMA 361 and ICC 500
- › UL 3-hour fire rating
- › Available with a variety of trim styles and finishes
- › Through-bolts on door for solid attachment
- › Fortified with high tensile alloy Holo-Krome® fasteners.

Applications and Listings

Single Door	UL Listing	Maximum Opening (W x H)	Application	
SecureBolt® x Surface Vertical Rod FE5400S FE5400SA	Panic 3 Hr.	4' x 8' 4' x 8'	Surface applied; three-point latching.	
Pairs of Doors	UL Listing	Maximum Opening (W x H)	Application	
SecureBolt® x Surface Vertical Rod FE5400S x FE5400S FE5400SA x FE5400SA	Panic 3 Hr.	8' x 8' 8' x 8'	Two independent doors with three-point latching. Swinging in the same direction with mullion.	

Features

FE5400S Multi-Point Exit Device Latching System

Handing

- › Device is non-handed.
- › Lever trim is handed.

Bar Length

- › Standard: 36" (914mm) bar fits 30"-36" (762mm-914mm) door.
- › Optional: 32" (813mm) bar fits 30"-32" (762mm-813mm) door; specify W032
- › Optional: 42" (1067mm) bar fits 37"-42" (940mm-1067mm) door; specify W042
- › Optional: 48" (1219mm) bar fits 36"-48" (914mm-1219mm) door; specify W048.
- › Consult factory for additional lengths.

Door Height

- › 7'0" standard
- › Optional: 7'2"; specify H0702
- › Optional: 7'6"; specify H0706
- › Optional: 8'0"; specify H0800

Door Thickness

- › 1-3/4" (44mm) standard.
- › Optional: 2" (51mm); specify D200.
- › Optional: 2-1/4" (57mm); specify D214.

Stile

- › Minimum width 4-1/2" (114mm).

Latchbolts

Top Latch

- › 5/8" stainless steel latch housing. Through hardened steel latchbolt, with 7/8" projection fortified with 1/4-20 steel Holo-Krome-mounting screws.

Center Bolt

- › Full 3/4" (19mm) projection, 1" (25mm) wide, positive deadlocking by auxiliary bolt.

Bottom Bolt

- › 7/8" square stainless steel bolt with 5/8" projection.

Materials

- › Latchbolt: Nickel steel. Slide-action deadbolt with positive deadlocking by auxiliary bolt. Two-piece deadbolt mechanism utilizing a roll back lever which eliminates any contact (friction) with the strike during relocking.

- › Device: Heavy duty cold forged steel chassis; heavy gauge steel mechanisms, electroplated for corrosion resistance; finished parts are brass, bronze or stainless steel; stainless steel springs; nylon bearings

Projection

- › 3-1/4" (83mm) active, 2-3/4" (70mm) dogged.

Dogging

- › Standard on panic-rated devices; single-point 1/4 turn hex key dogging.
- › Optional: less dogging, specify M51.
- › Optional: cylinder dogging; specify M52.
- › Mechanical dogging not available on fire-rated devices.

Fasteners

- › Standard on both panic devices and fire-rated devices: sex nuts and bolts.

End Cap Reinforcement (Standard)

- › A solid steel plate, welded to the end bracket, evenly distributes impact forces over a larger surface area, eliminating point loading.

Strikes

Center Bolt Roller Strike

- › Surface mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, assuring low friction relocking for a long, trouble-free life.
- › Supplied with locking plate and two 1/16" (1.6mm) shims. For doors with 1/2" (13mm) or 5/8" (16mm) stop. Adjustable to compensate for shrinkage and swelling of door. 3-1/2" x 1-1/4" (89mm x 32mm).

Bottom Strike

- › Black nylon coated stainless steel
- › 2-3/4" (70mm) x 2-5/16" (58mm) x 1/2" (13mm)

Interlock Bracket

- › Black powder coated
- › Complies with all life safety, fire, and windstorm codes while increasing security
- › Works on single and pairs of doors with removable mullion
- › No additional door or frame preparation or reinforcement required

Functions and Trims

- › Through-bolted lever, knob, pull, thumbpiece and electrified trims available with wide range of functions; see Trims and Functions, pages 6-11.

Electronics

- › The FE5400S series offers electrified options, including electrically controlled trim. All options can be tied into existing security and fire alarm systems for easy monitoring. See page 11.

Mullion

- › Removable Mullion
- › See Mullions, page 15.

Cylinders

- › Cylinder not included unless specified. See Quick Codes, page 18.

Warranty

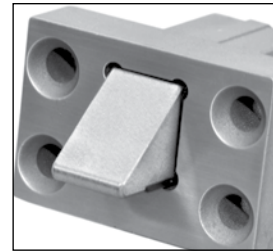
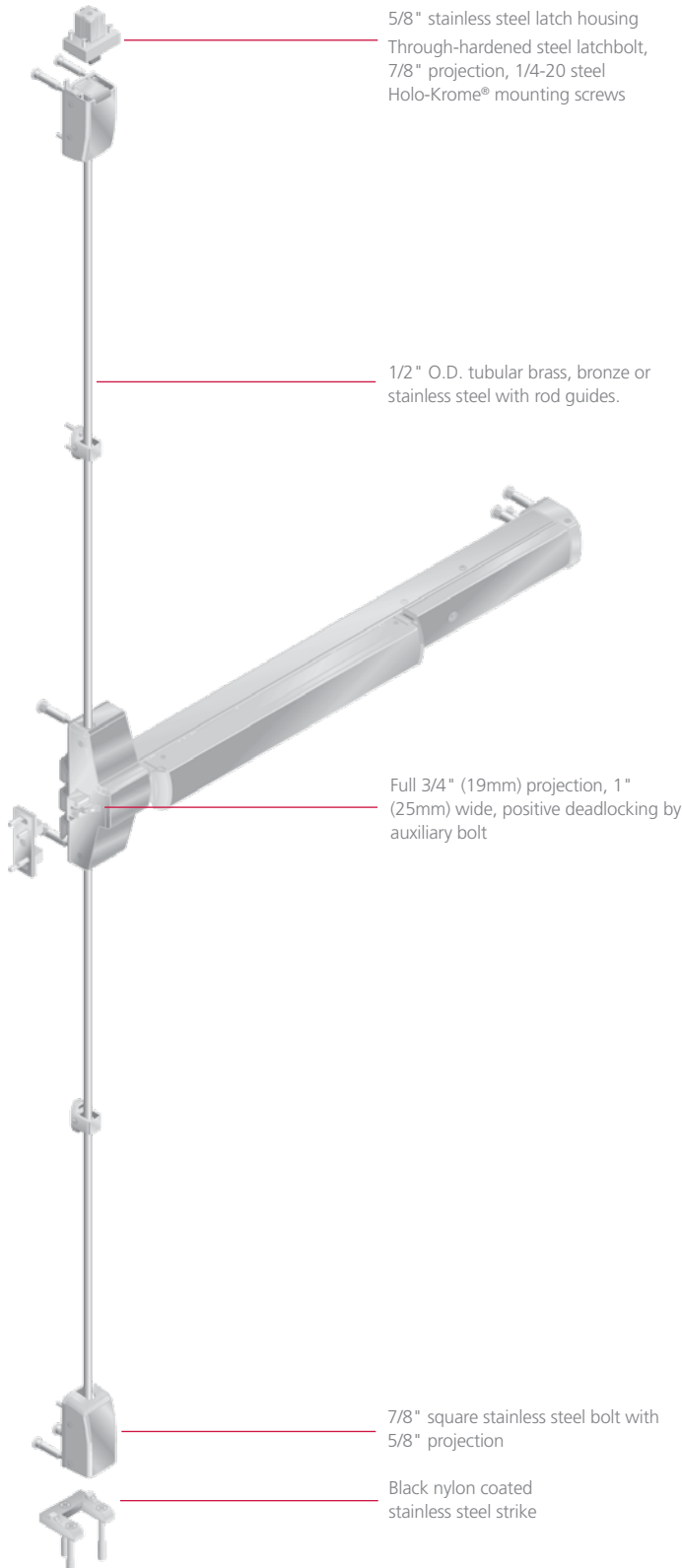
Seven-year limited.

Certification/Compliance

- › UL/cUL Listed:
 - FVSR/FVSR7 - Panic Hardware
 - GXHX/GXHX7 - Fire Exit Hardware, up to and including 3 hr. (A)
 - ZHLA - Windstorm Rated Assemblies (4' x 8' single, 8' x 8' pairs)
- › 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.
- › ANSI/BHMA Certified: A156.3 Type 9, Grade 1
- › FEMA 361
- › ICC 500
- › Fully integrated - FE5400S is part of a complete ASSA ABLOY tornado and hurricane shelter solution utilizing Ceco StormPro® 361, Curries StormPro® 361, Fleming F-5 doors and frames and McKinney® SP hinges.

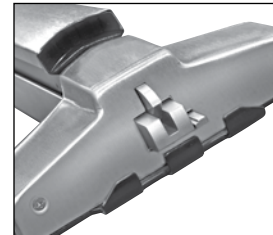
Features

FE5400S Multi-Point Exit Device Latching System



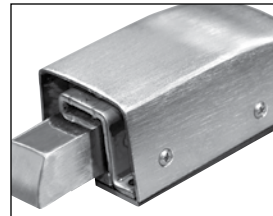
Top Latch

5/8" stainless steel housings, 3/4" projection with 1/8" door gap



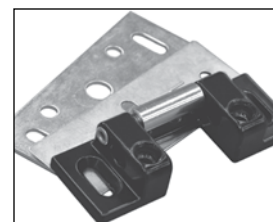
Center Bolt

Full 3/4" (19mm) projection, 1" (25mm) wide, positive deadlocking by auxiliary bolt



Bottom Bolt

7/8" square stainless steel bolt with 5/8" projection



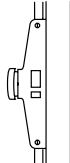
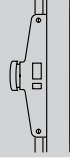
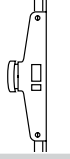
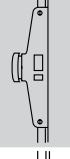
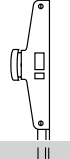
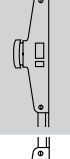
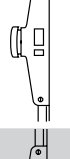
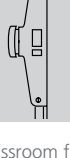
Center Bolt Roller Strike

Surface-mounted 3/8" (10mm) diameter roller strike, complete with positive locking plate and shims, assuring low friction relocking for a long, trouble-free life.

Functions

FE5400S Multi-Point Exit Device Latching System

Trim

FE5400S Outside Inside	Series/ Function	ANSI No.	Function Description
	Exit Only	01	Exit only; no trim.
	Dummy	02	Entrance by trim when actuating bar is dogged down.
	Classroom*	05	Entrance by thumbpiece. Key locks or unlocks thumbpiece.
	Passage	15	Entrance by trim when latch is retracted by thumbpiece. Thumbpiece is always active, no cylinder.
	Storeroom (Thumbpiece Active)	06	Entrance by thumbpiece only when released by key. Key removable only when locked.
	Classroom*	08	Entrance by knob or lever. Key locks or unlocks knob or lever.
	Passage	14	Entrance by trim when latchbolt is retracted by knob or lever. Knob or lever always active, no cylinder.
	Storeroom (Grip Active)	09	Entrance by knob or lever only when released by key. Key removable only when locked.

*Classroom function trims can be converted to Storeroom function by a simple field adjustment.


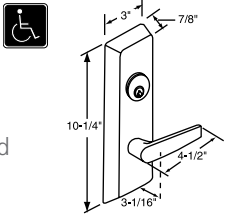

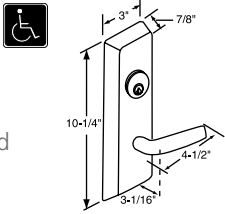

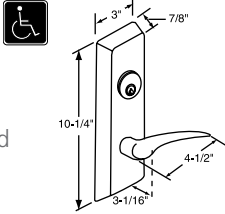

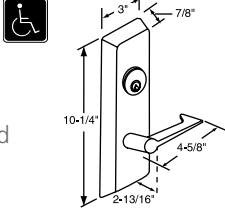

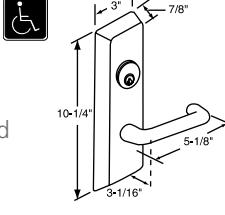
Heavy-Duty Trim Designs and Functions

FE5400S Multi-Point Exit Device Latching System

Features:

- Free Wheeling vandal-resistant design
- Beveled edges

- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 7-year limited warranty

Pull Trim Design	Trim Function			
	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Storeroom ANSI No. 09
 <p>ARMSTRONG A9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	A910	A950	A955 ¹	A959
 <p>CITATION C9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	C910	C950	C955 ¹	C959
 <p>DIRKE D9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	D910	D950	D955 ¹	D959
 <p>ESSEX* E9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	E910	E950	E955 ¹	E959
 <p>LUSTRA* L9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	L910	L950	L955 ¹	L959


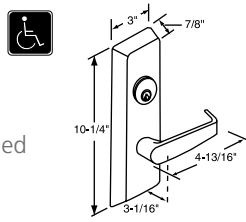

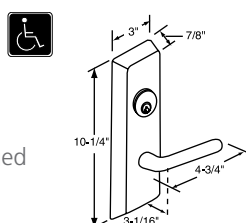

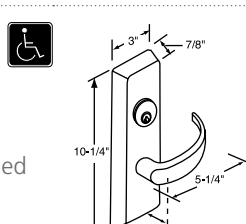
¹ Classroom function trims can be converted to Storeroom function by a simple field adjustment.
* Complies with codes requiring lever to return to within 1/2" (13mm) of door face.

Heavy-Duty Designs and Functions

FE5400S Multi-Point Exit Device Latching System

Features:

- Free Wheeling vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 7-year limited warranty

Pull Trim Design	Trim Function			
	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Storeroom ANSI No. 09
 <p>NEWPORT* N9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	N910	N950	N955 ¹	N959
 <p>REGIS R9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	R910	R950	R955 ¹	R959
 <p>PRINCETON* PR9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	PR910	PR950	PR955 ¹	PR959

1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.

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


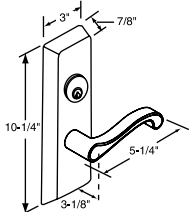

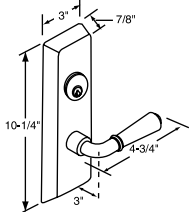

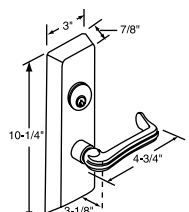

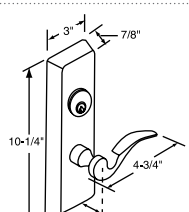
Heavy-Duty Designs & Functions

FE5400S Multi-Point Exit Device Latching System

Features:

- Free Wheeling vandal-resistant design
- Beveled edges

- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 7-year limited warranty

Pull Trim Design	Trim Function			
	Passage ANSI No. 14	Dummy ANSI No. 02	Classroom ANSI No. 08	Storeroom ANSI No. 09
 <p>FRASCATI FR9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	FR910	FR950	FR955 ¹	FR959
 <p>MERLOT M9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	M910	M950	M955 ¹	M959
 <p>TUSCANY TS9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	TS910	TS950	TS955 ¹	TS959
 <p>ZINFANDEL Z9 Lever: Cast Escutcheon: Forged Cylinder: Rim</p> 	Z910	Z950	Z955 ¹	Z959

MUSÉO Available with *Muséo* Collection levers.


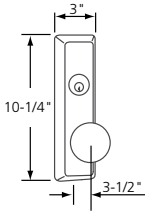

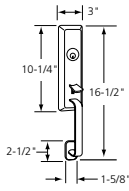

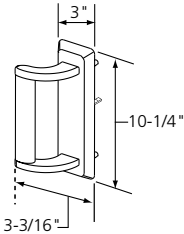
1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.

Utility Trim Designs & Functions

FE5400S Multi-Point Exit Device Latching System

Features:

- Free Wheeling vandal-resistant design
- Beveled edges
- Through-bolted to exit device
- Flush cylinder with 6-pin cylinder applications
- 7-year limited warranty

Pull Trim Design	Trim Function			
	Passage ANSI No. 14/15	Dummy ANSI No. 02	Classroom ANSI No. 05/08	Storeroom ANSI No. 09
 <p>G900 TRIM Knob: Wrought Escutcheon: Forged Cylinder: Rim</p> 	G910	G950	G955 ¹	G959
 <p>TH900 TRIM Pull: Extruded Escutcheon: Forged Cylinder: Rim</p> 	TH910	TH950	TH955 ¹	TH959
 <p>OFFSET PULL P9 Pull: Extruded Escutcheon: Forged Specify Hand. Field Reversible.</p> 	N/A	P950	N/A	N/A

1. Classroom function trims can be converted to Storeroom function by a simple field adjustment.

Electrified Trim

FE5400S Multi-Point Exit Device Latching System

Electrically Controlled Heavy-Duty Trim

Electrically controlled trim provides electric locking and unlocking of the 900 Series heavy-duty lever trim. It easily retrofits into existing applications and is ideal for door control.

Advantages

- Available in Fail Safe or Fail Secure operation
- 24VAC/VDC
- Internal rectifier accepts AC or DC voltage
- Free Wheeling lever when locked
- Key override (specify cylinder)
- Plug connector with 4' wire lead (Exit device can be used as the wire raceway)

Trim

Utilizes all 900 series trim lever designs including the Vineyard™ Collection

Electrical Specifications

- Solenoid: 330 mA @ 24 Volts
- Security Monitor Switch (M98): 4 AMP @ 250VAC

Door Thickness

1-3/4" (44mm) standard.

Optional: 2" (51mm); specify D200.

Optional: 2-1/4" (57mm); specify D214.

Cylinder

Cylinder not included unless specified. See Quick Codes, page 18.

How to Order

See page 21 for how to order.

Hardwiring Made Easy®



Electrically Controlled
Heavy-Duty Trim

Electrified Functions

FE5400S Multi-Point Exit Device Latching System

Functions

Fail Secure

The x9905 trim is locked when power is off and unlocked when power is on.

	Description
x9905 (Fail Secure)	<ul style="list-style-type: none"> Lever is locked when power is on (Free Wheeling) Power off allows entry from trim Inside device is always active for egress Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

Fail Safe

The x9903 trim is locked when power is on and unlocked when power is off.

	Description
x9903 (Fail Safe)	<ul style="list-style-type: none"> Lever is locked when power is off (Free Wheeling) Power on allows lever activation for entry Inside device is always active for egress Mechanical key override (09 Function – Key allows lever to retract latch bolt. Key can only be removed in locked position.)

x = Lever trim design - Standard, Vineyard™ and Muséo®

Options

M92	Touchbar Monitor
M93	Trim Monitor

Electrified Options

FE5400S Multi-Point Exit Device Latching System

Monitors - M92, M93

Operation

Monitors are used to indicate the authorized and unauthorized use of an opening or to signal and control other opening hardware, such as magnetic locks. Each monitoring device is equipped with one internal single-pole double-throw (SPDT) switch per monitor.

Touchbar Monitoring - M92 Request to Exit - REX

Provides indication of the pushpad being depressed. Used as a request to exit to shunt alarm systems, release electromagnetic locks or monitor egress.

Listings

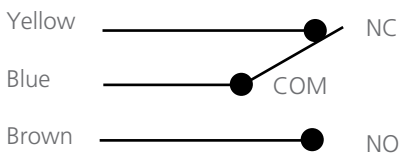
UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

4 Amps @ 250 VAC contacts

Ordering

Specify Quick Code M92.



Outside Monitoring or Signaling - M93

Provides indication of the device being operated from the outside. Used as a request to enter signal switch to shunt alarms; also used to monitor entry.

Listings

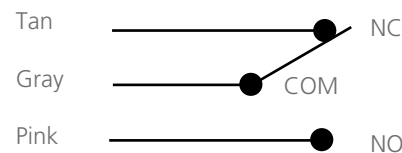
UL listed for both Panic and Fire Exit Hardware.

Electrical Specifications

5 Amps @ 28VDC SPDT contacts

Ordering

Specify Quick Code M93.



Electrified Options & Accessories

FE5400S Multi-Point Exit Device Latching System

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. Recommended for electric trim.

Features

- Individual output circuit breakers
- Regulated and filtered fuse protected outputs
- LEDs monitor zone status (voltage or no voltage)
- Slide switches connect or disconnect load from power (Not available on 1 Amp supplies)
- Internal Back-Up battery charging circuit
- Rugged steel enclosure
- Fire alarm interface

Electrical Specifications

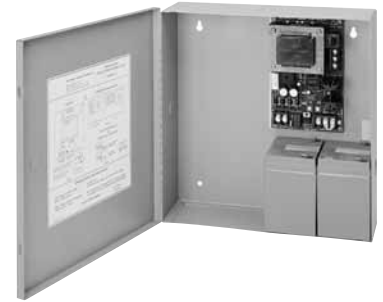
- Inputs: 120VAC
- Outputs: 24 VDC @ 1 Amp, 2 Amp or 4 Amp, Filtered and regulated outputs

Listings

- UL-cUL CLASS 2
 - Signal Appliances
 - Access Control System Units
 - Special Locking Arrangements - Component
- CE

Applications

- 9903 – Fail Safe
- 9905 – Fail Secure



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)	120VAC	1.0 Amp @ 24 VDC
BPS-24-2	14" (356mm) x 14" (356mm) x 4" (102mm)	120VAC	2.0 Amp @ 24 VDC
BPS-24-4	15" (381mm) x 18" (457mm) x 6" (152mm)	120VAC	4.0 Amp @ 24 VDC

Electrified Options & Accessories

FE5400S Multi-Point Exit Device Latching System

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. 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

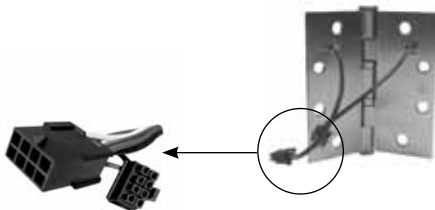
To connect FE5400S series Multi-Point Exit Device Latching System hardware to the electronic access control system, the following items are required:

- FE5400S series Multi-Point Exit Device Latching System
- 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 the 9903 function, the 9905 function and all options with the exception of M93. The McKinney QC12 *ElectroLynx* Hinge is recommended for the M93 option.

Hardwiring Made Easy®



Mullions

FE5400S Multi-Point Exit Device Latching System



Mullions

May be quickly and easily removed when a full double door opening is temporarily required.

Materials and Finish

Steel mullions, 2" x 3" with malleable iron top and bottom retainers; furnished with zinc-plated fasteners for metal frames and concrete floors. May be cut, drilled and tapped in the field. Mullion and Mullion retainers are prime coat red paint.

Options

Mullion Stabilizer Kit

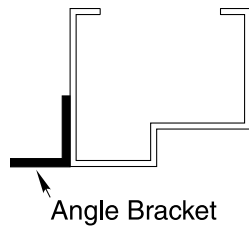
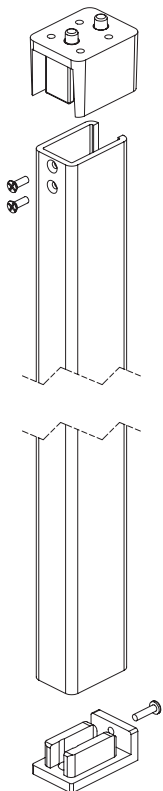
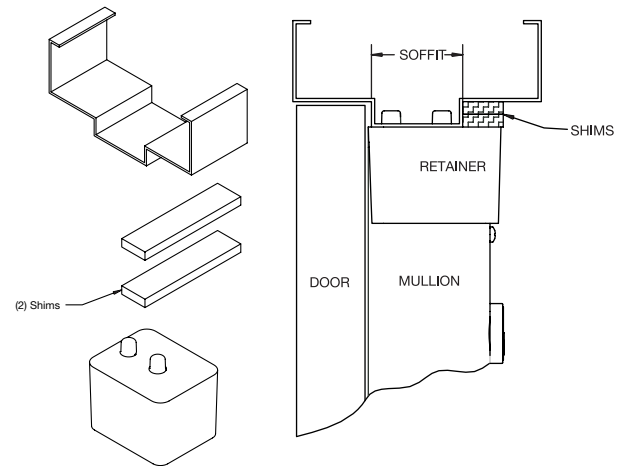
Controls the movement of the mullion. Recommended for openings over 7' high, or whenever door movement must be minimized. To order with mullion, specify M57. To order separately, specify Part No. 653F11-1 x 628 (aluminum).

Angle Bracket

Recommended for any header configuration with less than 3" (76mm) of mounting surface. To order with a mullion, specify M96. To order separately, specify Part No 655F63-8.

Spacer Block

Recommended for double rabbeted frames where the stop face width is less than the mounting hole spacing and also for door frames 5-3/4" (176mm) or less. To order with a mullion, specify M95. To order separately, specify Part No 683F29-8.



How to Order

Removable Mullions

Door Height	Description	Specify Quick Code
Up to 7'0"	Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	FE707A ¹
Up to 8'0"	Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	FE708A ¹

Notes:

1 For use with UL listed door assemblies that comply to FEMA 361 and ICC 500.

For the latest listings on compliant door assemblies visit our website at corbinrusswin.com

Options & Accessories/Cylinders

FE5400S Multi-Point Exit Device Latching System

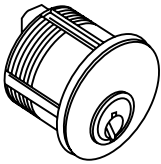
Surface Vertical Rod Extension Kits

Used to extend the height of standard length rods supplied with vertical rod exit devices. Available in 2", 6" and 12" sizes. To order with exit device, see Quick Codes, page 18. To order separately, specify Part No. x Finish.

Rod Extension	Rod Extension Kit Part No.
2" (50mm)	655F15 x Finish
6" (152mm)	655F16 x Finish
12" (305mm)	655F17 x Finish

Cylinder Dogging

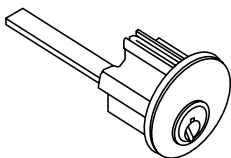
To order Cylinder Dogging with exit device, specify M52. Cylinder not included unless specified. Cylinder dogging not available for fire-rated devices. See Quick Codes, page 18.



Description	Part Number	Cylinder Ring
6-pin	1000-118-A02	N/A
7-pin	1000-114-A02-7	270F15
6-pin, IC	1080-11 4-A02	270F15
7-pin, IC	1080-112-A02-7	654F07
6-pin, IC, less core	1070-114-A02	270F07
7-pin, IC, less core	1070-112-A02-7	654F07
6-pin, Security	1010-118-A02	N/A
6-pin, Security IC	1090-114-A02	270F15
7-pin, Pyramid Security	1027-114-A02	270F15
7-pin, Pyramid Security IC	1037-114-A02	270F15
7-pin, Pyramid High Security	1020-114-A02	270F15
7-pin, Pyramid IC High Security	1030-114-A02	270F15

Cylinders

900 Series Trim Rim cylinders



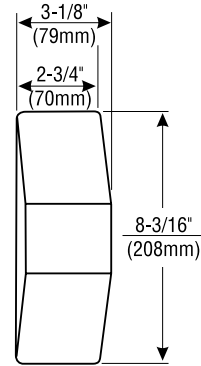
Description	Part Number	Cylinder Ring
6-pin	3000-058	None Required
7-pin	3000-058-7	422F88
6-pin, IC	3080-058	422F88
7-pin, IC	3080-058-7	686F98
6-pin, IC, less core	3070-058	422F88
7-pin, IC, less core	3070-058-7	686F98
6-pin, Security	3010-058	None Required
6-pin, Security IC	3090-058	422F88
7-pin, Pyramid	3020-058	422F88
7-pin, Pyramid IC	3030-058	422F88
Pyramid Security	3027-058	422F88
Pyramid Security	3037-058	422F88

Facts & Figures

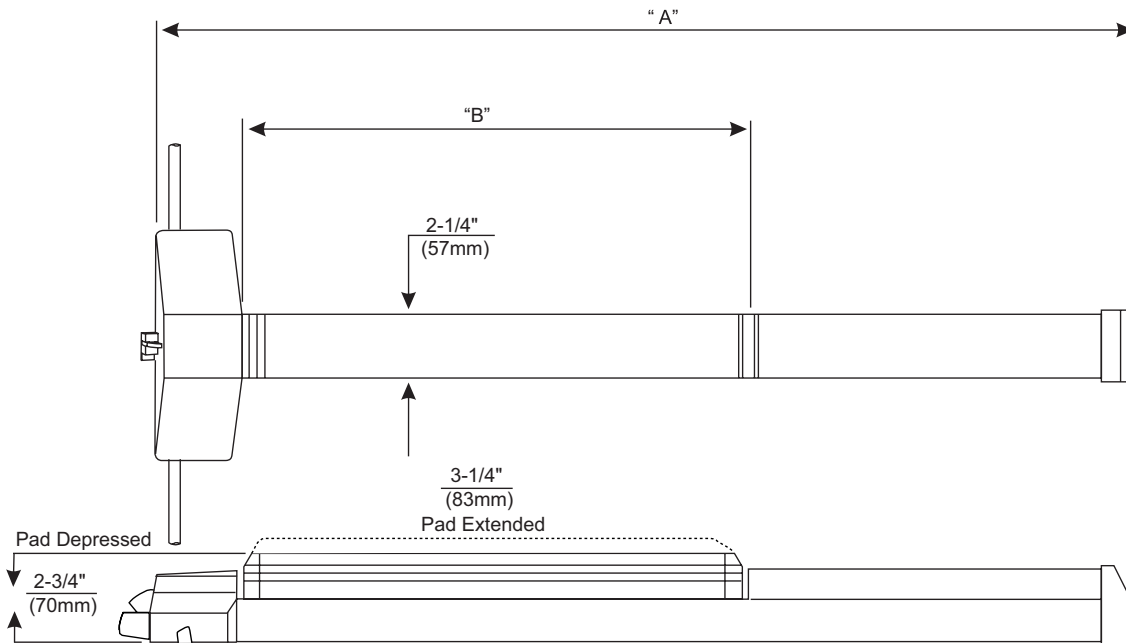
FE5400S Multi-Point Exit Device Latching System

FE5400S Series

Series	"A"	"B"
FE5400S x W032	28-7/8" (733mm)	18" (457mm)
FE5400S	32-7/8" (835mm)	18" (457mm)
FE5400S x W042	38-7/8" (987mm)	24" (610mm)
FE5400S x W048	44-7/8" (1140mm)	24" (610mm)



Cover Detail



Quick Codes

FE5400S Multi-Point Exit Device Latching System

Cylinder and Keying

Description	Specify
Less cylinder(s)	(standard)
Conventional 6-pin	6P
Conventional 7-pin	7P
Security	HS
Security interchangeable core (IC)	CHS
IC 6-pin	C6
IC 6-pin with temporary construction core (Red)	CT6R
IC 6-pin with temporary construction core (Blue)	CT6B
IC 6-pin with temporary construction core (Green)	CT6G
IC 6-pin with temporary construction core	CT6
IC 6-Pin with temporary disposable core	CT6D
IC 6-pin less core	CL6
SFIC 6-pin with less core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 7-pin (rim only)	C7
IC 7-pin with temporary construction core (Red)	CT7R
IC 7-pin with temporary construction core (Blue)	CT7B
IC 7-pin with temporary construction core (Green)	CT7G
IC 7-pin with temporary construction core	CT7
IC 7-Pin with temporary disposable core	CT7D
IC 7-pin less core (rim only)	CL7
SFIC 7-pin with less core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
Pyramid Security fixed core	PS
Pyramid Security IC	PCS
Pyramid Fixed Core	PHS
Pyramid IC	PCHS
Pyramid with temporary construction core	CTP
Pyramid less core	CLP
Blockout function	BO
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK

Cylinder and Keying (cont)

Description	Specify
Visual key control (VKC)	
No keying data stamped on key or cylinder	VKC0
Keys only	VKC1
Cylinders and keys (not for HS or CHS)	VKC2
Cylinders only (not for HS or CHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only	CKC3
2 keys per cylinder	(standard with cylinder)
Other than 2 keys	KY# (e.g., KY6)

Door Height

Door Height	Specify
7'0"	(standard)
7'2"	H0702
7'6"	H0706
8'0"	H0800

Door Width

Door Width	Specify
32" (813mm)	W032
36" (914mm)	(standard)
42" (1067mm)	W042
48" (1219mm)	W048

Quick Codes

FE5400S Multi-Point Exit Device Latching System

Door Thickness

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

Finish

Description	Specify
US3 Bright Brass	605
US4 Satin Brass	606
US9 Bright Bronze	611
US10 Satin Bronze	612
US10B Dark Oxidized Satin Bronze, oil rubbed	613
US14 Bright Nickel Plated	618
US15 Satin Nickel Plated	619
US26 Bright Chromium Plated	625
US26D Satin Chromium Plated	626
Satin Chromium Plated with MicroShield® 	626C
US32 Bright Stainless Steel	629
US32D Stain Stainless Steel	630
Stain Stainless Steel with MicroShield® 	630C
— Black oxidized bronze, oil rubbed	722

Removable Mullion

Description	Specify
Door frame filler block for double rabbeted frames	M95
Door frame angle bracket for aluminum frames	M96
Mullion stabilizer	M57
Up to 7'0" Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	FE707A ¹
Up to 8'0" Steel Mullion - 3 Hour Fire Rated, Windstorm Certified	FE708A ¹

1. For use with UL listed door assemblies that comply to FEMA 361 and ICC 500.

For the latest listings on compliant door assemblies visit our website at corbinrusswin.com

Miscellaneous Options

Description	Specify
Knurling outside and inside (trim and device)	M20
Knurling outside only (trim side)	M21
Knurling inside only (device side)	M22
Abrasive coat outside and inside (trim and device)	M23
Abrasive coat inside only (device side)	M24
Abrasive coat outside only (trim side)	M25
PathLite™ Photoluminescent Touchbar Cover	M49
Less dogging	M51
Cylinder dogging	M52
Parabolic escutcheon	M60

Handing

Hand	Specify
Right Hand Reverse	RHR
Left Hand Reverse	LHR

Quick Codes

FE5400S Multi-Point Exit Device Latching System

Electrified Options

Description	Specify
Request to Exit/Touchbar Monitoring or Signaling	M92
Outside Trim Monitoring or Signaling	M93
Security Monitor	M98*
Trim Gasket	M99

*9903/9905 trims only.

Electrified Accessories

Description	Part Number
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 Amp @ 24 VDC Output	BPS-24-1
Power Supply 2 Amp @ 24 VDC Output	BPS-24-2
Power Supply 4 Amp @ 24 VDC Output	BPS-24-4
SPDT Maintained Switch	MKA
SPDT Momentary Switch	MK
SPDT Momentary NS Switch	MKN
DPDT Momentary Switch	MK2
DPST Maintained (Al. Action) Switch	PB3EA
Sonalert 90lbs. @ 2 ft. 12-24VDC mounted on one gang stainless steel plate	PZ1
LEDs mounted on one gang stainless steel plate 12-24VDC (Red and Green)	ZLP-1
LEDs mounted on narrow gang plate (Red and Green)	ZLP
Concealed transfer for over 120° swing doors	EPTL

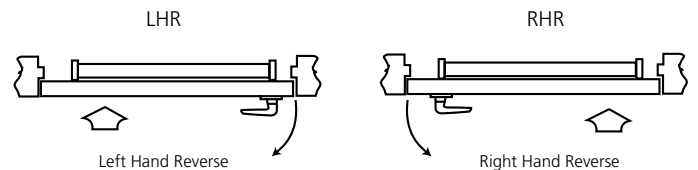
How to Order

FE5400S Multi-Point Exit Device Latching System

Ordering Examples

Exit Device Only

Quantity	Series/ Function	Finish	Hand	Misc. Options
65	FE5400S	626	RHR	M51



Trim Only

Quantity	Trim/ Function	Finish	Hand	Door Thickness
24	N955	625	RHR	D214

Note: Arrow () indicates secure side of door.

Exit Device with Trim

Quantity	Exit Device	Trim/ Function	Finish	Hand	Door Thickness	Door Width	Misc. Options
65	FE5400S	N955	605	LHR	D214	W048	M51

Contract/Detailed Order – Exit Device with Trim

Quantity	Keyset	Exit Device	Trim/ Function	Finish	Hand	Door Height	Door Width	Misc. Options	Cylinder Option
36	AA1	FE5400S	C955	626	LHR	H0800	W048	M52	7P

Exit Device with Electrified Trim

Quantity	Exit Device	Trim/ Function	Finish	Hand	Door Thickness	Door Width	Misc. Options
5	FE5400S	N9903	626	RHR	D214	W048	M98

Where to find ordering information and Quick Codes

Functions and Trims	Page 6
Removable Mullion	Page 15
Cylinders and Keying	Page 18
Door Height	Page 18
Door Width	Page 18
Finish	Page 19
Door Thickness	Page 19
Handing	Page 19
Miscellaneous Options	Page 19
Electrified Options	Page 20
Electrified Accessories	Page 20

Architectural Specifications

FE5400S Multi-Point Exit Device Latching System

FE5400S Series Multi-Point Exit Device Latching System

Multi-point exit device systems: Multi-point exit device auto deadbolt locking systems are engineered for use on entry door applications at windstorm safe shelter locations. Fortified steel construction secures the door to the frame at top, bottom and center latching positions. All three latching points shall be automatically activated when the device is closed and retracted with one single motion of pushbar operation upon exiting.

1. Provide three point locking system as part of an integrated door, frame, and exit hardware assembly UL approved severe windstorm rating in accordance with FEMA 361 and ICC 500.
2. Units shall be manufactured in compliance with NFPA 80 and NFPA 101 life-safety requirements and approved for usage on up to 3-hour, UL 10b or 10c fire rated openings.
3. Latchbolt construction:
 - a. Center latch: 3/4" (19mm) throw stainless steel slide action deadbolt with positive deadlocking by auxiliary bolt.
 - b. Top latch: Through-hardened steel latchbolt with 7/8" projection, and 5/8" stainless steel latch housing secured with 1/4-20 Holo-Krome fasteners.
 - c. Bottom Latch: 7/8" square stainless steel bolt with 5/8" projection.
4. Provide devices with heavy-duty, brass escutcheon trim and solid cast levers matching the design style and architectural finishes as the balance of the lockset and latches specified.
5. Heavy duty primed steel mullion is required for use with FE5400S when securing paired openings up to 8'0" x 8'0".
6. Cylinders and keying: Refer to separate part 2 Products - "Keying" paragraph sub-section for related keying requirements.
7. Three point locking system devices shall have seven-year limited warranty.

Notes

FE5400S Multi-Point Exit Device Latching System



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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



ElectroLynx®

As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening. ElectroLynx® is a registered trademark of ASSA ABLOY Inc.



MicroShield®

As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria. MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

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



ASSA ABLOY

FE6700

Storm Shutter Multi-Point Latching System

Storm-Resistant Design
Helps Save Lives



Applications

FE6700 Storm Shutter Multi-Point Latching System

Index

Applications.....2
 Features.....3-4
 Trim Designs5-6
 Functions and Options7
 Ordering Reference/
 Quick Codes8
 How to Order9
 Architectural
 Specifications.....10

The Corbin Russwin FE6700 is a robust three-point locking system engineered to help save lives by securing the community shelter window openings. Extra-heavy duty steel components secure the shutter to the frame – at the top, bottom and center latch points – fortifying the opening to withstand extreme wind speeds and flying debris.

UL approved, the FE6700 is ideal for FEMA 361 and ICC 500.

Typical applications include window openings located in:

- › Community Shelters and Safe Rooms
- › Corporate Campuses
- › Schools
- › Healthcare Facilities
- › Government Facilities

Advantages

- › Three-point auto deadlocking when shutter closes. No manual operation required
- › Solid cast lever
- › UL approved as a severe windstorm-rated assembly in accordance with FEMA 361 and ICC 500.
- › Typical storm shutter applications use the passage lever x blank plate function (FE6780).
- › Optional classroom function (FE6755) and passage or closet function (FE6710) also available.
- › Through-bolts on shutter for solid attachment
- › Heavy duty component construction with easy everyday use design

Features

FE6700 Storm Shutter Multi-Point Latching System

Certification/ Compliance

UL approved:

- › Meets FEMA 361 and ICC 500. for inswing shutters 1'8" w x 3'0" h min to 4'0" w x 6'8" h max.
- › Fully integrated – FE6700 is part of a complete ASSA ABLOY severe windstorm solution utilizing Ceco StormPro® 361, Curries StormPro® 361, Fleming F-5 shutters and frames and McKinney® hinges

Handing

- › Device is handed

Mortised Centerbolt

- › Utilizes a one-piece heavy 13 gage chrome plated steel lock case, 3/16" thick stainless steel front.
- › Center bolt and trim height location are set during installation allowing them to always remain in the center of the shutter, regardless of application and shutter height.

Deadbolt

- › One-piece stainless steel, 19/32" x 1-1/4" x 1" throw

Front

- › 1-1/8" x 4-7/8" x 3/16" thick stainless steel, one piece

Backset

- › 2-3/4" standard

Center Bolt Strike

- › 1/4" stainless steel strike

Top Latch

- › 5/8" stainless steel latch housing. Through-hardened steel latchbolt, with 7/8" projection fortified with 1/4-20 steel Holo-Krome® mounting screws

Latch front

- › 1/8" thick, through-hardened steel front

Shutter Sizes

- › 1'8" w x 3'0" h min to 4'0" w x 6'8" h max
- › For door or window storm shutter applications from 6'8" to 8'0", refer to the FE6800 series catalog.

Shutter Heights

- › 3'0" - 4'6"; specify H0400
- › 4'6" - 6'8"; specify H0500

Bottom Bolt

- › 3/4" diameter steel with 3/4" projection with 1/8" steel reinforcement plate

Strike

- › Brass bottom strike with 1/4-20 steel Holo-Krome fasteners

Shutter Thickness

- › FE6700 is for use with standard 1-3/4" thick shutters

Optional Cylinders for FE6755 Classroom Function

- › Brass, 6-pin, L4 keyway, 0-bitted, 1-1/8" standard. Optional cylinders available; see Quick Codes

Optional Keys

- › Two nickel silver standard

Optional Keying Features Available

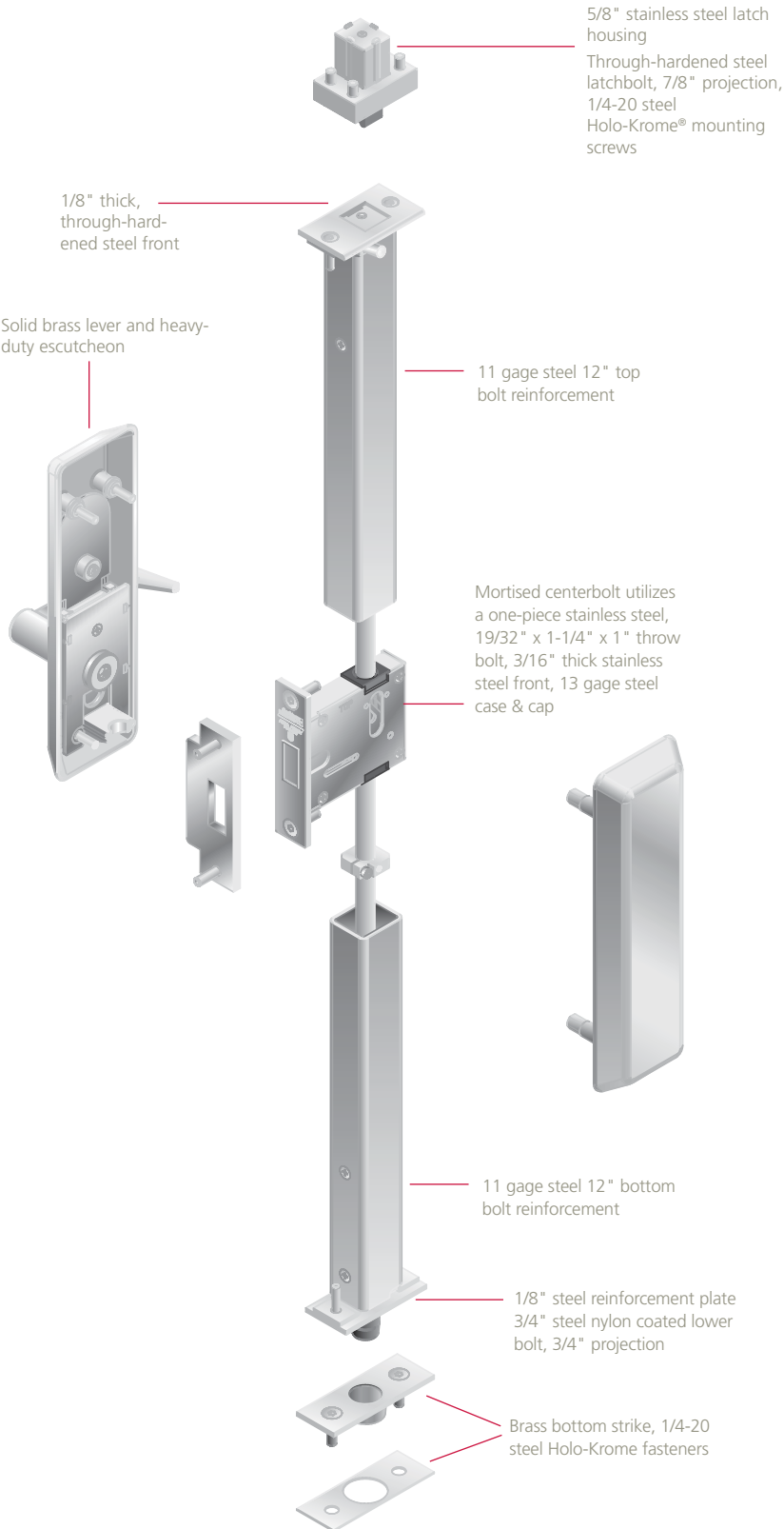
- › Master keying
- › Construction master keying
- › Visual key control
- › Concealed key control
- › 7-pin cylinder
- › Security cylinder
- › Pyramid cylinder
- › Interchangeable core (IC)
- › Security IC
- › Pyramid IC
- › Blockout cylinder

Warranty

- › Seven-year limited

Features

FE6700 Storm Shutter Multi-Point Latching System



Top Latch
5/8" stainless steel housings, 3/4" projection with 1/8" shutter gap



Center Bolt
Stainless steel deadbolt with 1" projection



Bottom Bolt
3/4" diameter steel with 3/4" projection



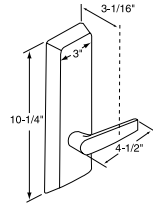
Center Bolt Strike
1/4" stainless steel strike

Trim Designs

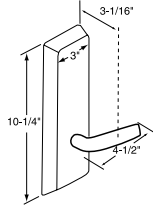
FE6700 Storm Shutter Multi-Point Latching System



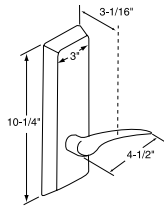
ARMSTRONG
ASH
Lever: Cast
Escutcheon: Forged



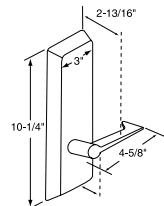
CITATION
CSH
Lever: Cast
Escutcheon: Forged



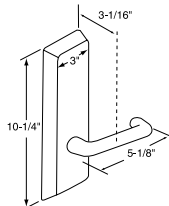
DIRKE
DSH
Lever: Cast
Escutcheon: Forged



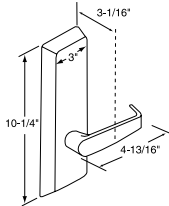
ESSEX
ESH
Lever: Cast
Escutcheon: Forged



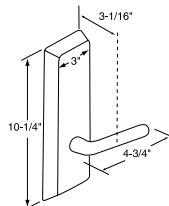
LUSTRA
LSH
Lever: Cast
Escutcheon: Forged



NEWPORT
NSH
Lever: Cast
Escutcheon: Forged



REGIS
RSH
Lever: Cast
Escutcheon: Forged

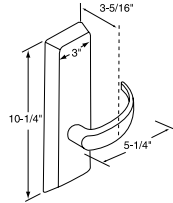


Trim Designs

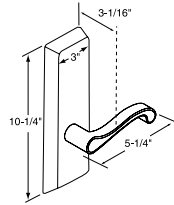
FE6700 Storm Shutter Multi-Point Latching System



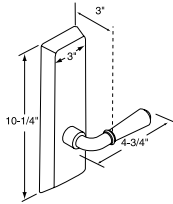
PRINCETON
PSH
Lever: Cast
Escutcheon: Forged



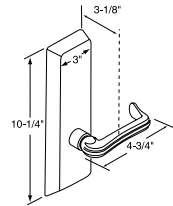
FRASCATI
FSH
Lever: Cast
Escutcheon: Forged



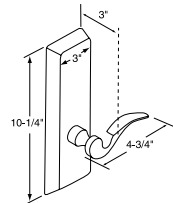
MERLOT
MSH
Lever: Cast
Escutcheon: Forged



TUSCANY
TSH
Lever: Cast
Escutcheon: Forged



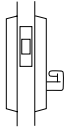
ZINFANDEL
ZSH
Lever: Cast
Escutcheon: Forged



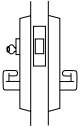
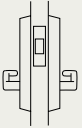
Functions and Options

FE6700 Storm Shutter Multi-Point Latching System

For Typical Shutter Applications

Outside Inside	Series/ Function	Type	Function Description
	FE6780	Passage Lever x Blank Plate	<ul style="list-style-type: none"> • Three-point auto deadlocking. • Three-point latch retraction by inside grip. • Lever on one side, blank plate on the other. • Lever always free. • For inswing window storm shutters.

Optional Functions

Outside Inside	Series/ Function	Type	Function Description
	FE6755	Classroom	<ul style="list-style-type: none"> • Three-point auto deadlocking. • Three-point latch retraction by grip either side, unless outside grip is locked by key outside. • Inside grip always free.
	FE6710	Passage or Closet	<ul style="list-style-type: none"> • Three-point auto deadlocking. • Three-point latch retraction by grip either side. • Both grips always free.

Miscellaneous Options

Description	Specify
Torx® head security screws	M04

Shutter Thickness

Shutter Thickness	Specify
1-3/4"	Standard

Shutter Height - Must be specified

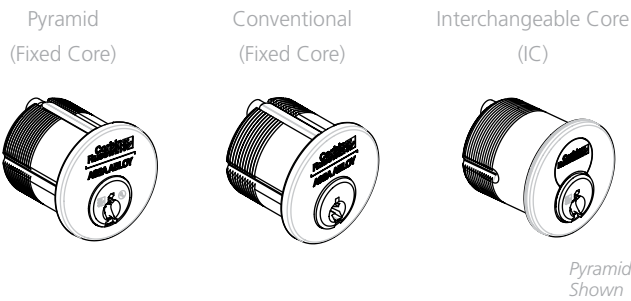
Shutter Height	Specify
3'0" - 4'6"	H0400
4'6" - 6'8"	H0500

Ordering Reference/Quick Codes

FE6700 Storm Shutter Multi-Point Latching System

Optional Mortise Cylinders

- Conventional (standard for FE6700)
- Pyramid (optional)
- IC (optional)
- 2 nickel silver keys



Cylinder Quick Codes

Mortise Cylinder Type	Cylinder Catalog Number
Pyramid High Security (PHS)	1020-114-A02
Pyramid High Security Interchangeable Core (PCHS)	1030-114-A02
Conventional 6-pin	1000-118-A02
7-pin (7P)	1000-114-A02-7
6-pin IC (C6)	1080-114-A02
7-pin IC (C7)	1080-112-A02-7
Security IC (CHS)	1090-114-A02
Security (HS)	1010-118-A02

FE6700 H-series escutcheon requires cylinder collars depending on length of cylinder specified.

To order collars separately, see below:

Specify	Cylinder Length
721F36	1-1/8"
721F37	1-1/4"
721F38	1-1/2"

Cylinders and Keying

Description	Specify
Conventional 6-pin	6P
Conventional 7-pin	7P
Less Cylinder(s)	LC
Security	HS
Security IC	CHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid Less Core	CLP
IC 6-pin	C6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin Less Core	CL6
IC 7-pin	C7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
0-bitted with 2 Blank Keys	
Keyed Random (Standard)	KR
Construction Master Keyed	CMK
Visual Key Control (VKC)	
- No biting or keyset stamping on keys	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, PCHS)	CKC3
2 Keys per Lock	standard
More than 2 Keys	KY# (e.g., KY6)

How to Order

FE6700 Storm Shutter Multi-Point Latching System

Ordering Examples

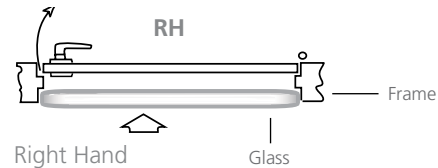
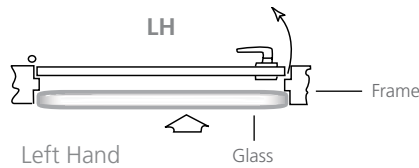
Stock Order

Quantity	Series/Function	Trim	Finish	Hand	Shutter Height
100	FE6780	FSH	626	RH	H0400

Stock Order

Quantity	Series/Function	Trim	Finish	Hand	Shutter Height
50	FE6780	NSH	625	LH	H0500

Handing



Note: Arrow indicates secure side of shutter

Function	Trim	Finish	Hand	Misc.	
FE6755	Standard	Vineyard	605	RH	M04
FE6710	ASH	FSH	606	LH	
FE6780	CSH	MSH	611		
	DSH	TSH	612		
	ESH	ZSH	613		
	LSH		618		
	NSH		619		
	RSH		625		
	PSH		626		
			626C		
			629		
			630		
			630C		
			722		

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 ¹
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Bright Stainless Steel	629 ³
Satin Stainless Steel	630 ³
Satin Stainless Steel with MicroShield®	630C
Black Oxidized Bronze, Oil Rubbed	722 ²

¹ New, March 2007

² Formerly 613 prior to March 2007

³ Escutcheon finished to match 629, 630 finish

Architectural Specifications

FE6700 Storm Shutter Multi-Point Latching System

FE6700 Series Storm Shutter Multi-Point Latching System

Three-Point Locking System Devices: Three-Point, auto deadbolt locking devices are engineered for use on inswing shutter applications at windstorm safe shelter room locations. Concealed, fortified steel construction secures the shutter to the frame at top, bottom and center latching positions. All three latching points shall be automatically activated when the device is closed and retracted with one single lever activation motion.

1. The Multi-Point latching system device is part of an integrated shutter, frame and hardware assembly UL-approved to FEMA 361 and ICC 500 for inswing applications.
2. Latchbolt Construction:
 - a. Mortised Centerbolt: Single piece, 13 gage chrome plated steel lockcase with 3/16" thick stainless steel front. Stainless steel, 1" throw deadbolt. 2 3/4" backset standard with 1/4" stainless steel centerbolt strike.
 - b. Top Latch: Through-hardened steel latchbolt with 7/8" projection, 1/8" steel latchbolt front, and 5/8" stainless steel latch housing secured with 1/4-20 Holo-Krome® fasteners.
 - c. Bottom Bolt: 3/4" diameter steel nylon coated bolt with 3/4" projection and 1/8" steel reinforcement plate. Brass strike housing secured with 1/4-20 Holo-Krome fasteners.
3. Provide devices with heavy-duty, brass escutcheon trim and solid cast levers matching the design style and architectural finishes as the balance of the lockset and latches specified.
4. Inswinging storm shutters are furnished as a complete door, frame, and hardware assembly for openings measuring from 1'8" x 3'0" minimum to 4'0" x 6'8" maximum.
5. Three-Point locking system devices shall have a seven-year limited warranty.
6. Multi-Point latching system devices shall be FE6700 Series as manufactured by Corbin Russwin Architectural Hardware of Berlin, CT.

Notes

FE6700 Storm Shutter Multi-Point Latching System

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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

FE6800

Fortified Multi-Point Latching System

Storm-Resistant Design
Helps Save Lives



Applications

FE6800 Fortified Multi-Point Latching System

Index

Applications	2
Features	3-4
Trim Designs.	5-6
Functions, Options & Accessories	7
Ordering Reference/ Quick Codes	8
How to Order	9
Architectural Specifications	10

The Corbin Russwin FE6800 is a robust three-point locking system engineered to help save lives by securing the community shelter entry. Extra-heavy duty steel components secure the door to the frame – at the top, bottom and center latch points – fortifying the opening to withstand extreme wind speeds and flying debris.

UL approved, the FE6800 is ideal for both FEMA 361 and FEMA 320 applications.

Typical applications include doors and inswing window storm shutters located in:

- › Community Shelters and Safe Rooms
- › Corporate Campuses
- › Schools
- › Healthcare Facilities
- › Government Facilities

Advantages

- › Three-point auto deadlocking as door closes. No manual operation required
- › Solid cast levers
- › UL approved as a severe windstorm-rated assembly in accordance with FEMA 320 and FEMA 361 guidelines
- › UL 3-hour fire rating
- › Three functions are available including window shutter applications
- › Through-bolts on door for solid attachment
- › Heavy duty component construction with easy everyday use design

Features

FE6800 Fortified Multi-Point Latching System

Certification/ Compliance

UL approved:

- › Meets FEMA 320 and FEMA 361 Guidelines for both inswing and outswing doors; single door 2'6" x 5'6" min and 4'0" x 8'0" max.

- › Fully integrated – FE6800 is part of a complete ASSA ABLOY severe windstorm solution utilizing Ceco StormPro® 361, Curries StormPro® 361, Fleming F-5 doors and frames and McKinney® hinges

UL /ULC:

- › All locks listed for 3 hour single doors
- › UL compliant with fire and windstorm markings
- › 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.

Handing

- › Device is handed

Mortised Centerbolt

- › Utilizes a one-piece heavy 13 gage chrome plated steel lock case, 3/16" thick stainless steel front.

Deadbolt

- › One-piece stainless steel, 19/32" x 1-1/4" x 1" throw

Front

- › 1 1/8" x 4-7/8" x 3/16" thick stainless steel, one piece

Backset

- › 2-3/4" standard

Center Bolt Strike

- › 1/4" stainless steel strike versus 1/8" standard wrought strike

Top Latch

- › 5/8" stainless steel latch housing. Through-hardened steel latchbolt, with 7/8" projection fortified with 1/4-20 steel Holo-Krome® mounting screws

Latch front

- › 1/8" thick, through-hardened steel front

Door Height

- › Standard for any door or window storm shutter from 6'8" to 8'0" height.
- › Optional top rods for 5'6" to 6'8" door heights.
- › For window storm shutter applications, 1'8" x 3'0" to 4'0" x 6'8" height refer to the FE6700 series catalog.

Bottom Bolt

- › 3/4" diameter steel with 3/4" projection with 1/8" steel reinforcement plate

Strike

- › Brass bottom strike 1/4-20 steel Holo-Krome fasteners

Door Thickness

- › FE6800 is for use with standard 1 3/4" thick doors and frames

Cylinder

- › Brass, 6-pin, L4 keyway, 0-bitted, 1 1/8" standard. Optional cylinders available; see Quick Codes

Keys

- › Two nickel silver standard

Keying Features Available

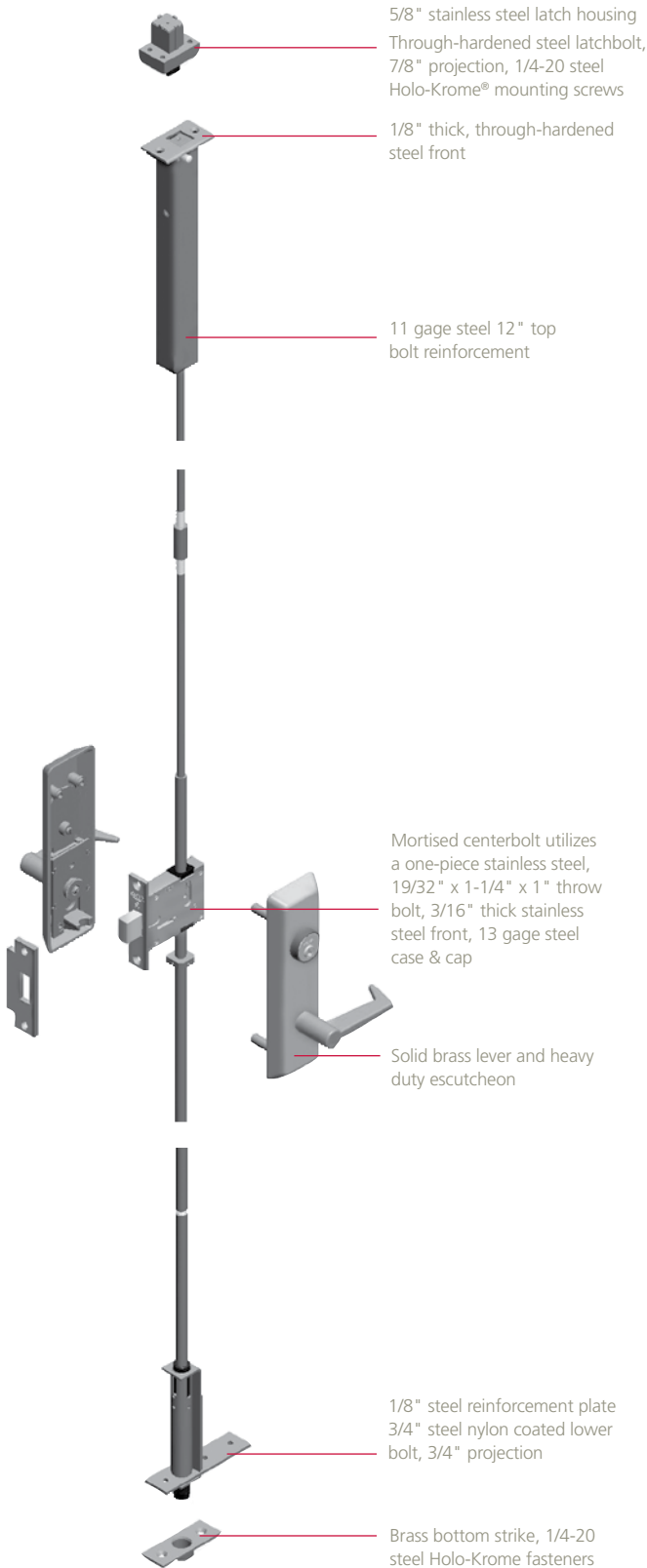
- › Master keying
- › Construction master keying
- › Visual key control
- › Concealed key control
- › 7-pin cylinder
- › Security cylinder
- › Pyramid cylinder
- › Interchangeable core (IC)
- › Security IC
- › Pyramid IC
- › Blockout cylinder

Warranty

- › Seven-year limited

Features

FE6800 Fortified Multi-Point Latching System



Top Latch
5/8" stainless steel
 housings, 3/4" projection
with 1/8" door gap



Center Bolt
Stainless steel deadbolt
with 1" projection



Bottom Bolt
3/4" diameter steel
with 3/4" projection



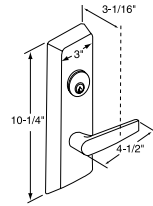
Center Bolt Strike
1/4" stainless steel strike

Trim Designs

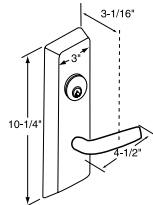
FE6800 Fortified Multi-Point Latching System



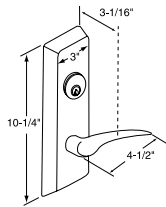
ARMSTRONG
ASH
Lever: Cast
Escutcheon: Forged
Cylinder: Mortise



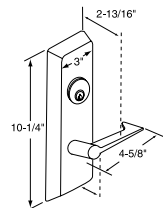
CITATION
CSH
Lever: Cast
Escutcheon: Forged
Cylinder: Mortise



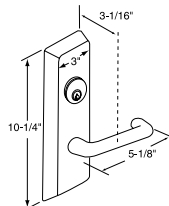
DIRKE
DSH
Lever: Cast
Escutcheon: Forged
Cylinder: Mortise



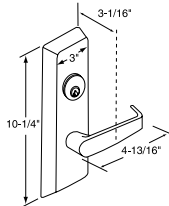
ESSEX
ESH
Lever: Cast
Escutcheon: Forged
Cylinder: Mortise



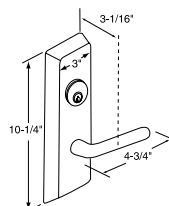
LUSTRA
LSH
Lever: Cast
Escutcheon: Forged
Cylinder: Mortise



NEWPORT
NSH
Lever: Cast
Escutcheon: Forged
Cylinder: Mortise



REGIS
RSH
Lever: Cast
Escutcheon: Forged
Cylinder: Mortise

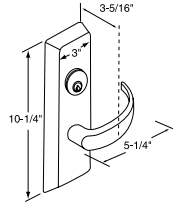


Trim Designs

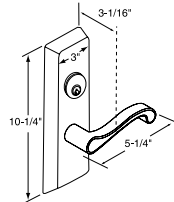
FE6800 Fortified Multi-Point Latching System



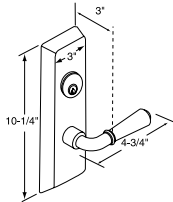
PRINCETON
PSH
Lever: Cast
Escutcheon: Forged
Cylinder: Mortise



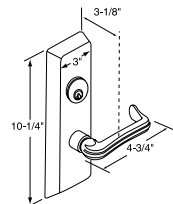
FRASCATI
FSH
Lever: Cast
Escutcheon: Forged
Cylinder: Mortise



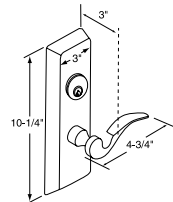
MERLOT
MSH
Lever: Cast
Escutcheon: Forged
Cylinder: Mortise



TUSCANY
TSH
Lever: Cast
Escutcheon: Forged
Cylinder: Mortise

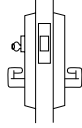
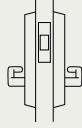
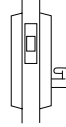


ZINFANDEL
ZSH
Lever: Cast
Escutcheon: Forged
Cylinder: Mortise



Functions, Options & Accessories

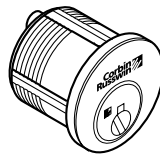
FE6800 Fortified Multi-Point Latching System

Outside Inside	Series/ Function	Type	Function Description
	FE6855	Classroom	<ul style="list-style-type: none"> • Three-point auto deadlocking. • Three-point latch retraction by grip either side, unless outside grip is locked by key outside. • Inside grip always free.
	FE6810	Passage or Closet	<ul style="list-style-type: none"> • Three-point auto deadlocking. • Three-point latch retraction by grip either side. • Both grips always free.
	FE6880	Passage Lever x Blank Plate	<ul style="list-style-type: none"> • Three-point auto deadlocking. • Three-point latch retraction by inside grip. • Lever on one side, blank plate on the other. • Lever always free.

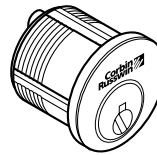
Mortise Cylinders

- Conventional (standard for FE6800)
- Pyramid (optional)
- IC (optional)
- 2 nickel silver keys

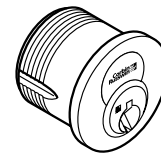
Pyramid
(Fixed Core)



Conventional
(Fixed Core)



Interchangeable Core
(IC)



Pyramid
Shown

Cylinder Quick Codes

Mortise Cylinder Type	Cylinder Catalog Number
Pyramid High Security (PHS)	1020-114-A02
Pyramid High Security Interchangeable Core (PCHS)	1030-114-A02
Conventional 6-pin	1000-118-A02
7-pin (7P)	1000-114-A02-7
6-pin IC (C6)	1080-114-A02
7-pin IC (C7)	1080-112-A02-7
Security IC (CHS)	1090-114-A02
Security (HS)	1010-118-A02

FE6800 H-series escutcheon requires cylinder collars depending on length of cylinder specified. To order collars separately, see below:

Specify	Cylinder Length
721F36	1-1/8"
721F37	1-1/4"
721F38	1-1/2"

Quick Codes

FE6800 Fortified Multi-Point Latching System

Miscellaneous Options

Description	Specify
Torx® head security screws	M04

Door Thickness

Door Thickness	Specify
1-3/4"	Standard

Door Height

Door Height	Specify
5'6" - 6'8"	H0600
6'8" - 8'0"	standard

Cylinders and Keying

Description	Specify
Conventional 6-pin	6P
Conventional 7-pin	7P
Less Cylinder(s)	LC
Security	HS
Security IC	CHS
Pyramid Security	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid with Temporary Construction Core	CTP
Pyramid Less Core	CLP
IC 6-pin	C6
SFIC 6-pin with Less Core	CLS6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
IC 6-pin with Temporary Construction Core	
Red	CT6R
Blue	CT6B
Green	CT6G
IC 6-pin Less Core	CL6
IC 7-pin	C7
SFIC 7-pin with Less Core	CLS7
SFIC 7-pin with SFIC disposable temporary core	CT7SD
IC 7-pin with Temporary Construction Core	
Red	CT7R
Blue	CT7B
Green	CT7G
IC 7-pin Less Core	CL7
Pyramid Disposable Core	CTPD
6-pin Disposable Core	CT6D
7-pin Disposable Core	CT7D
0-bitted with 2 Blank Keys	
Keyed Random (Standard)	KR
Construction Master Keyed	CMK
Visual Key Control (VKC)	
- No bitting or keyset stamping on keys	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)

How to Order

FE6800 Fortified Multi-Point Latching System

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	FE6855	FSH	626	RHR

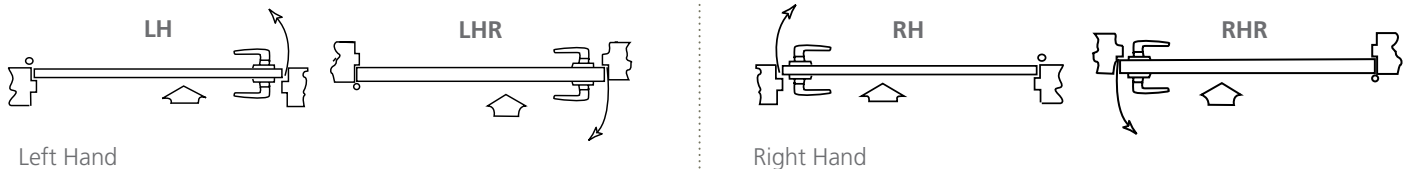
Split Trim/Finish Order

Quantity	Series/Function	Trim		Finish		Hand
		Outside	Inside	Outside	Inside	
12	FE6855	FSH	NSH	626	625	RH

Contract/Detailed Order

Quantity	Keyset	Series/Function	Trim	Finish	Hand	Optional Cylinder	Keying
24	AA1	FE6855	NSH	626	RHR	PHS	CKC2

Handing



Note: Arrow indicates secure side of door

Function	Trim		Finish	Hand	Misc.	Cyl.
FE6855	Standard	Vineyard	605	RH	M04	See Page 7
FE6810	ASH	FSH	606	RHR		
FE6880	CSH	MSH	611	LH		
	DSH	TSH	612	LHR		
	ESH	ZSH	613			
	LSH		618			
	NSH		619			
	RSH		625			
	PSH		626			
			626C			
			629			
			630			
			630C			
			722			

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 ¹
Polished Nickel	618
Satin Nickel	619
Polished Chrome	625
Satin Chrome	626
Satin Chrome with MicroShield®	626C
Bright Stainless Steel	629 ³
Satin Stainless Steel	630 ³
Satin Stainless Steel with MicroShield®	630C
Black Oxidized Bronze, Oil Rubbed	722 ²

¹ New, March 2007

² Formerly 613 prior to March 2007

³ Escutcheon finished to match 629, 630 finish

Architectural Specifications

FE6800 Fortified Multi-Point Latching System

FE6800 Series Fortified Multi-Point Auto Deadlocking System

Three-Point Locking System Devices: Three-Point, auto deadbolt locking devices are engineered for use on inswing and outswing door applications at windstorm safe shelter room locations. Concealed, fortified steel construction secures the door to the frame at top, bottom and center latching positions. All three latching points shall be automatically activated when the device is closed and retracted with one single motion upon exiting.

1. The Three-Point locking system device is part of an integrated door, frame and hardware assembly UL-approved to both FEMA 361 and FEMA 320 guidelines for both inswing and outswing doors.
2. Units shall be manufactured in compliance with NFPA 80 and NFPA 101 life-safety requirements and approved for usage on up to 3-hour, UL10b or 10c fire rated openings.
3. Latchbolt Construction:
 - a. Mortised Centerbolt: Single piece, 13 gage chrome plated steel lockcase with 3/16" thick stainless steel front. Stainless steel, 1" throw deadbolt. 2 3/4" backset standard with 1/4" stainless steel centerbolt strike.
 - b. Top Latch: Through-hardened steel latchbolt with 7/8" projection, 1/8" steel latchbolt front, and 5/8" stainless steel latch housing secured with 1/4-20 Holo-Krome® fasteners.
 - c. Bottom Bolt: 3/4" diameter steel nylon coated bolt with 3/4" projection and 1/8" steel reinforcement plate. Brass strike housing secured with 1/4-20 Holo-Krome fasteners.
4. Provide devices with heavy-duty, brass escutcheon trim and solid cast levers matching the design style and architectural finishes as the balance of the lockset and latches specified.
5. Cylinders and Keying: Refer to separate Part 2 Products - "Keying" paragraph sub-section for related keying requirements.
6. Three-Point locking system devices shall have a seven-year limited warranty.
7. Three-Point Auto Deadlock Devices shall be FE6800 Series as manufactured by Corbin Russwin Architectural Hardware of Berlin, CT.

Notes

FE6800 Fortified Multi-Point Latching System



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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



MicroShield®

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

45067-3/11R

Specialty Hardware



ASSA ABLOY, the global leader
in door opening solutions

Table of Contents

Specialty Hardware

Table of Contents

ML2000 Mortise Lock with Behavioral Health Trim (BHSS)

Features	3
Cylinders	4
Strikes/Kits.....	5
How to Order	6
Quick Codes	7
Options	7

ML2000 Mortise Lock with Behavioral Health Lever Trim (BLSS)

Features	8
Cylinders	9
Strikes/Kits.....	10
How to Order	11
Quick Codes	12
Options	12

ML2000 and ML20900 Series Mortise Lock with Push/Pull Paddle Trim (HPSK)

ML2000 Features.....	13
ML20900 Features.....	14
Cylinders	15
Strikes/Kits.....	16
ML20900 Options	17-18
How to Order	19
Quick Codes	20-21

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

Features	22
Functions	23
Strikes/Kits.....	24
How to Order/Quick Codes	25

Anti-Harm Knob

Features	26
How to Order/Quick Codes	27

Architectural Specifications.....	28
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ML2000 and ML20900 Mortise Locks with BHSS Trim*

Part of the Behavioral Health Series™ of products, the ML2000 mortise lock with BHSS trim has tapered surfaces and an integrated lever and escutcheon, bringing an elegant style to behavioral health environments. The ML2000's heavy-duty design and ANSI/BHMA Grade 1 strength help it to withstand abuse in any environment.

Features

Handing

Handed - Must specify on order.

Door Thickness

1-3/4" (44mm) standard.

Optional door thicknesses available; see Quick Codes, page 7.

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 stainless steel attached by machine screws to lockcase front. Utilizes security Torx® screws. Torx® screws come standard.

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.

Hub

Lever: steel, 5/16" (8mm).

Lever

Cast stainless steel.

Escutcheon

Cast stainless steel.

Strike

Wrought 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 7.

Thumbturn

Cast stainless steel construction. See page 28.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, page 4.

Keys

Two nickel silver standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Pyramid IC
Blockout cylinder

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 7.

Functions

Available with all ML20900 electrified mortise lock functions. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Available with all ML2000 functions except ML2050, 2070 and 2080.

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)



Patent Pending

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.

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.

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.

*Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it.

Cylinders

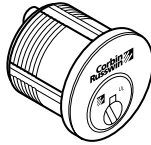
ML2000 and ML20900 Mortise Locks with BHSS Trim

Cylinders

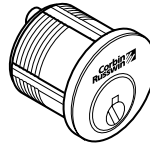
Conventional (standard for ML2000)
Pyramid (optional)

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

Pyramid



Conventional



Interchangeable Core
(IC)



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
Blockout	BO	N/A	1012-114-A02	1012-114-A01

To order optional cylinder with lockset, see Quick Codes, page 7.
To order cylinder separately, specify Part No. x Keyway x Finish
(e.g., 1000-118-A01 x L4 x 626).

Strikes/Kits

ML2000 and ML20900 Mortise Locks with BHSS Trim

Strikes

ANSI Straight Lip (standard)

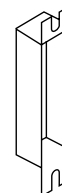
Stainless steel
Non-handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/8" (29mm) lip to center (standard)
Optional lip lengths: 1-1/8" (29mm), 1-1/4" (32mm), 1-3/8" (35mm), 1-1/2" (38mm), 1-3/4" (44mm), 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm)

ANSI Curved Lip

Stainless steel
Handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center (standard)
Optional lip lengths: 1-3/8" (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)

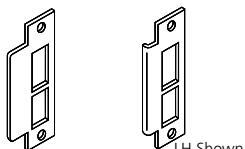
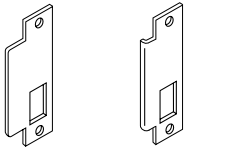
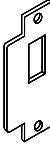

ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 7.
To order separately, specify 120F76.



Open Back

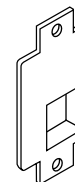
Size: 5-1/4" (133mm) x 1/4" (32mm).

	Part No.	Description
Note: Only Available with ML2000		
 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
 Deadbolt Only	236L74	Straight Lip
 Blank Filler Plate	236L70	Straight Lip

To order strike with lockset, see How to Order, page 6.
To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).

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 7. To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).

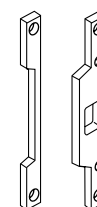


Rabbeted Front and Strike

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
Deadbolt only	318F65	RH/LHR
	318F68	LH/RHR

To order with lockset, see Quick Codes, page 7.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).



How to Order

ML2000 and ML20900 Mortise Locks with BHSS Trim

Ordering Examples - ML2000

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	ML2010	BHSS	630	RHR
50	ML2055	BHSS	630	LHR

Contract / Detailed Order

Quantity	Keypad	Series/Function	Trim	Finish	Hand	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	ML2055	BHSS	630	RHR	D214	SA200	M17-M26	C7	VKC3

Quantity	Keypad	Series/Function	Trim	Finish	Hand	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
12	AA1	ML2051	BHSS	630	LHR	D214	SS200	M07	C6	VKC1

Ordering Examples - ML20900

Stock Order

Quantity	Series/Function	Trim	Finish	Hand	Voltage	Misc. Options	Keying
100	ML20901	BHSS	630	RHR	12AD	M105	VKC3

Contract / Detailed Order

Quantity	Keypad	Series/Function	Trim	Finish	Hand	Voltage	Misc. Options	Optional Cylinder	Keying
24	AA1	ML20904	BHSS	630	RHR	12AD	M20	7P	VKC3

ML2000 and ML20900 Mortise Locks with BHSS Trim

Cylinder 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
IC 6-pin less core	CL6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
SFIC 6-pin with Less Core ¹	CLS6
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 SFIC disposable temporary core	CT7SD
SFIC 7-pin with Less Core ¹	CLS7
Security	HS
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security 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
Blockout function cylinder	BO
Keyed random	KR
Construction master keyed (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
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for PHS or PCHS)	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

1. Not available with ML2029.

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

Handing

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

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Finishes

Description	Specify
BHMA 629 (US32)	Bright Stainless Steel 629
BHMA 630 (US32D)	Satin Stainless Steel 630
630C	Satin Stainless Steel with MicroShield® 630C

Door Thickness

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

Strikes

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
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

Miscellaneous Options

Description	Specify
Torx® head screws	(standard)
ANSI wrought strike box	M17
Latch hold back (for ML2042, ML2052, ML2055, ML2051, ML2057 only)	LHB*

* Must use A02 cam when LHB is specified

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

Features

ML2000 and ML20900 Mortise Locks with BLSS Trim*

Part of the Behavioral Health Series™, the ML2000 mortise lock with BLSS trim offers durability and strength in behavioral healthcare settings. With a variety of available functions, it is flexible enough to use in many applications, and the sloped surfaces and overlapping lever and rose construction address common concerns in behavioral health.

Features

Handing

Non-handed.

Door Thickness

1-3/4" (44mm) standard.

Optional door thicknesses available; see Quick Codes, page 12.

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 stainless steel attached by machine screws to lockcase front. Utilizes security Torx® screws. Torx® screws come standard.

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.

Hub

Lever: steel, 5/16" (8mm).

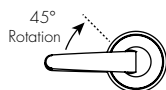
Lever

Cast stainless steel.

Outside lever release feature: lever freely rotates up to 45°.

Rose

Cast stainless steel.



Strike

Wrought 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 12.

Thumbturn

Cast stainless steel construction. See page 28.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, page 9.

Keys

Two nickel silver standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Pyramid IC
Blockout cylinder

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 12.

Functions

Available with all ML20900 electrified mortise lock functions. Refer to the ML2000 mortise lock catalog (45300) for function descriptions.

Available with the following functions: 2010, 2022, 2024, 2030, 2032, 2042, 2054, 2052, 2055, 2057, 2060, 2062, 2065, 2067, 2069, 20902, 20903, 20905 and 20912.



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.

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.

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.

*Although this product is better designed for behavioral health applications than traditional trim, it does not eliminate the risk that an object can be affixed to, or around it.

Cylinders

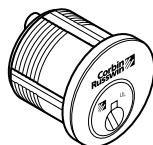
ML2000 and ML20900 Mortise Locks with BLSS Trim

Cylinders

Conventional (standard for ML2000)
Pyramid (optional)

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

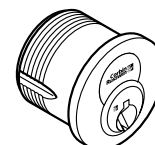
Pyramid



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
Blockout	BO	N/A	1012-114-A02	1012-114-A01

To order optional cylinder with lockset, see Quick Codes, page 12.
To order cylinder separately, specify Part No. x Keyway x Finish
(e.g., 1000-118-A01 x L4 x 626).

Strikes/Kits

ML2000 and ML20900 Mortise Locks with BLSS Trim

Strikes

ANSI Straight Lip (standard)

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: 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

Stainless steel
Handed
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center (standard)
Optional lip lengths: 1-3/8" (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)

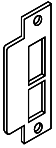
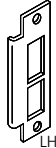

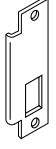


ANSI Wrought Strike Box

To order with lockset, see Quick Codes, page 12.
To order separately, specify 120F76.



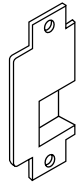
Open Back

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

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

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 12. To order separately, specify Part No. x Door Thickness x Finish (e.g., 411L62 x 2" x 626).

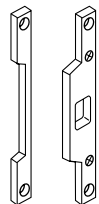


Rabbeted Front and Strike

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
Deadbolt only	318F65	RH/LHR
	318F68	LH/RHR

To order with lockset, see Quick Codes, page 12.
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).



To order strike with lockset, see How to Order, page 11.
To order strike separately, specify Part No. x Lip Length x Finish (e.g., 340L60 x 1-1/2" x 626).

How to Order

ML2000 and ML20900 Mortise Locks with BLSS Trim

Ordering Examples - ML2000

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	ML2010	BLSS	630	RHR
50	ML2055	BLSS	630	LHR

Contract / Detailed Order

Quantity	Keypad	Series/Function	Trim	Finish	Hand	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	ML2055	BLSS	630	RHR	D214	SA200	M17-M26	C7	VKC3

Quantity	Keypad	Series/Function	Trim	Finish	Hand	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
12	AA1	ML2051	BLSS	630	LHR	D214	SS200	M07	C6	VKC1

Ordering Examples - ML20900

Stock Order

Quantity	Series/Function	Trim	Finish	Hand	Voltage	Misc. Options	Keying
100	ML20901	BLSS	630	RHR	12AD	M105	VKC3

Contract / Detailed Order

Quantity	Keypad	Series/Function	Trim	Finish	Hand	Voltage	Misc. Options	Optional Cylinder	Keying
24	AA1	ML20904	BLSS	630	RHR	12AD	M20	7P	VKC3

Quick Codes

ML2000 and ML20900 Mortise Locks with BLSS Trim

Cylinder 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
IC 6-pin less core	CL6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
SFIC 6-pin with Less Core ¹	CLS6
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 SFIC disposable temporary core	CT7SD
SFIC 7-pin with Less Core ¹	CLS7
Security	HS
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security 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
Blockout function cylinder	BO
Keyed random	KR
Construction master keyed (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
Concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for PHS or PCHS)	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

1. Not available with ML2029.

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

Finishes

Description	Specify
BHMA 629 (US32) Bright Stainless Steel	629
BHMA 630 (US32D) Satin Stainless Steel	630
630C Satin Stainless Steel with MicroShield®	630C

Door Thickness

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

Strikes

Available for ML2000HS and ML2000VR

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
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

Miscellaneous Options

Description	Specify
Torx® head screws	(standard)
ANSI wrought strike box	M17
Working trim only	M31
Latch hold back (for ML2042, ML2052, ML2055, ML2051, ML2057 only)	LHB*

* Must use A02 cam when LHB is specified

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

ML2000 Mortise Lock with Push/Pull Paddle Trim (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 Grade 1 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.

Features

Handing

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

Door Thickness

1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, pages 20-21.

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 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.

Hub

Lever: steel, 5/16" (8mm).

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, pages 20-21.

Thumbturn

Cast stainless steel construction. See page 28.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, pages 20-21.

Keys

Two nickel silver standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Pyramid IC
Blockout cylinder

Functions

Available with all ML2000 functions except ML2050, 2070 and 2080.

Covers

Cast stainless steel or bronze.

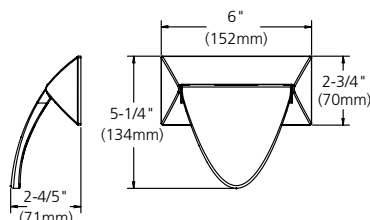
Paddles

Cast stainless steel or bronze. Non-handed.

Mounting Options

Paddle trim can be mounted as horizontal (up or down) and vertical (sideways) orientations in the field.

Cover and Paddle Dimensions



Warranty

Ten-year limited.



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

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.

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.

Features

ML20900 Electrified Mortise Lock with Push/Pull Paddle Trim (HPSK)

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 15.

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 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 1" (25mm) x 3/4" (19mm) throw.

Auxiliary Latchbolt

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

Hub

Lever: steel, 5/16" (8mm).

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, pages 20-21.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard. Optional cylinders available; see Quick Codes, page 15.

Keys

Two nickel silver standard.

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, pages 20-21.

Functions

Available with all ML20900 electrified mortise lock functions. Refer to the ML2000 mortise lock catalog (45300) for the available functions and descriptions.

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.

Covers

Cast stainless steel or bronze.

Paddles

Cast stainless steel or bronze.

Non-handed.

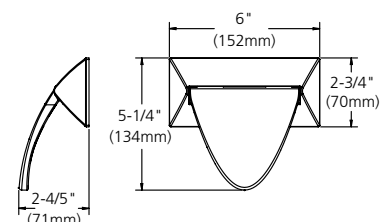
Thumbturn

Cast stainless steel construction

Mounting Options

Paddle trim can be mounted as horizontal (up or down) and vertical (sideways) orientations in the field.

Cover and Paddle Dimensions



Warranty

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

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.

Cylinders

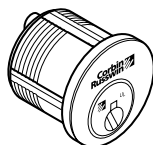
ML2000 and ML20900 Mortise Locks with Push/Pull Paddle Trim (HPSK)

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
Blockout	BO	N/A	1012-114-A02	1012-114-A01

To order optional cylinder with lockset, see Quick Codes, pages 20-21.
To order cylinder separately, specify Part No. x Keyway x Finish
(e.g., 1000-118-A01 x L4 x 626).

Strikes/Kits

ML2000 and ML20900 Mortise Locks with Push/Pull Paddle Trim (HPSK)

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: 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: 1-3/8" (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

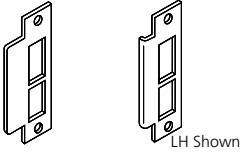
To order with lockset, see Quick Codes, pages 20-21.

To order separately, specify 120F76.



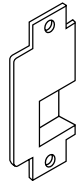
Open Back

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

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

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, pages 20-21. 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

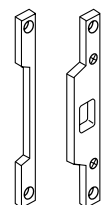
For 1/2" (13mm) rabbet

No optional lip lengths

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

To order with lockset, see Quick Codes, pages 20-21.

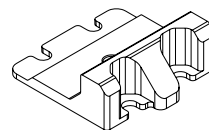
To order separately, specify Part No. x Finish (e.g., 318F66 x 626).



Kits

Positive Pull Stop Kit

Used on openings where weather stripping is installed or when door closers are not utilized, this kit prevents the latch from retracting when pulling door closed. Contains 2 wood screws, 2 machine screws and instructions. To order, specify 813F068.



Specialty Hardware.16

Electrified Options & Accessories

ML20900 Mortise Lock with Push/Pull Paddle Trim (HPSK)

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

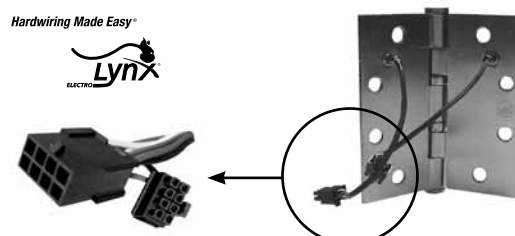
To connect a ML20900 electrified mortise lock to the electronic access control system, the following items are required:

- 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.

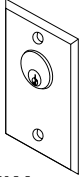


Electrified Options & Accessories

ML20900 Mortise Lock with Push/Pull Paddle Trim (HPSK)

Exit Controls and Switches

Key Switches



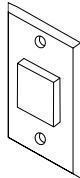
MKA

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.

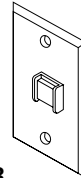
Specifications

- 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

How to Order

ML2000 and ML20900 Mortise Locks with Push/Pull Paddle Trim (HPSK)

Ordering Examples - ML2000

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	ML2010	HPSK	630	RHR
50	ML2055	HPSK	630	LHR

Contract / Detailed Order

Quantity	Keypad	Series/ Function	Trim	Finish	Hand	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	ML2055	HPSK	630	RHR	D214	SA200	M17-M26	C7	VKC3

Quantity	Keypad	Series/ Function	Trim	Finish	Hand	Door Thickness	Optional Strike	Misc. Options	Optional Cylinder	Keying
12	AA1	ML2051	HPSK	630	LHR	D214	SS200	M07	C6	VKC1

Ordering Examples - ML20900

Stock Order

Quantity	Series/Function	Trim	Finish	Hand	Voltage	Misc. Options	Keying
100	ML20901	HPSK	630	RHR	12AD	M105	VKC3

Contract / Detailed Order

Quantity	Keypad	Series/Function	Trim	Finish	Hand	Voltage	Misc. Options	Optional Cylinder	Keying
24	AA1	ML20904	HPSK	630	RHR	12AD	M20	7P	VKC3

Quick Codes

ML2000 and ML20900 Mortise Locks with Push/Pull Paddle Trim (HPSK)

Cylinder 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
IC 6-pin less core	CL6
SFIC 6-pin with SFIC disposable temporary core	CT6SD
SFIC 6-pin with Less Core ¹	CLS6
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 SFIC disposable temporary core	CT7SD
SFIC 7-pin with Less Core ¹	CLS7
Security	HS
Security IC	CHS
Pyramid High Security Fixed Core	PHS
Pyramid High Security 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
Blockout function cylinder	BO

Description	Specify
Keyed random	KR
Construction master keyed (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
C concealed key control (CKC)	
- CKC cylinders with VKC keys	CKC2
- CKC cylinders only (not for PHS or PCHS)	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

1. Not available with ML2029.

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

Finishes

Description	Specify
BHMA 605 (US3)	Bright Brass 605
BHMA 606 (US4)	Satin Brass 606
BHMA 611 (US9)	Bright Bronze 611
BHMA 612 (US10)	Satin Bronze 612
BHMA 613 (US10B)	Dark Oxidized Satin Bronze, Oil Rubbed 613
613L	Dark Oxidized Satin Bronze, Clear Coated 613L
BHMA 618 (US14)	Bright Nickel Plated 618
BHMA 619 (US15)	Satin Nickel Plated 619
BHMA 629 (US32)	Bright Stainless Steel 629
BHMA 630 (US32D)	Satin Stainless Steel 630
630C	Satin Stainless Steel with MicroShield® 630C
BHMA 722 (US10A)	Black Oxidized Bronze, oil rubbed 722

ML2000 and ML20900 Mortise Locks with Push/Pull Paddle Trim (HPSK)

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
ANSI wrought strike box	M17
Lead Lining	M29
Working trim only	M31
"PUSH & PULL" Identification**	M38
Latch hold back (for ML2042, ML2052, ML2055, ML2051, ML2057 only)	LHB*

* Must use A02 cam when LHB is specified

** Non-Handed

Handing

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

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

Door Thickness

Door Thickness	Sectional Trim - Specify	Escutcheon* Trim - Specify
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

Strikes

Available for ML2000HS and ML2000VR

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
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

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

Features

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

The HP3000 tubular 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 Grade 1 strength help it to withstand abuse from rigorous environments. Multiple mounting orientations, hands free operation and a sleek, aesthetic form, make the HP3000 ideal for use in healthcare facilities and educational facilities.



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

Features

Handing

Passage (HP3010) function is non-handed.
Privacy (HP3020) function is handed.
Specify hand.

Door Thickness

1-3/4" (44mm) standard.
Optional door thicknesses available;
see Quick Codes, page 25.

Backset

5" (127mm) standard.
Optional: 2-3/4" (70mm) and 7"
(177mm); see Quick Codes, page 25.

Latchbolt

Brass, 1/2" (13mm) throw

Strike

ANSI curved lip strike standard,
4-7/8" x 1-1/4" x 1-1/4" lip to center.
Optional strikes, lip lengths and ANSI
wrought strike box available; See
Quick Codes, page 25.

Covers

Cast stainless steel or bronze

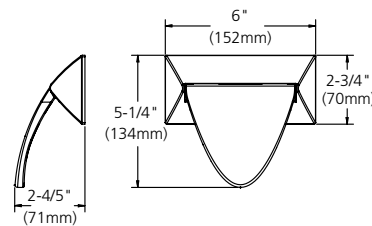
Paddles

Cast stainless steel or bronze

Mounting Options

Paddle trim can be mounted as
horizontal (up or down) and vertical
(sideways) orientations in the field.

Cover and Paddle Dimensions



Warranty

One-year limited

Certification/Compliance

ANSI

Meets A156.2 Series 1000 Grade 1.

UL/cUL

Listed for use on 3 hour fire doors (4' x
8' single and smaller doors). UL symbol
on front stamped letter F indicates
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.

ADA

Meets A117.1 Accessibility Code.

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

Functions

Series/Function	Type	Function Description
HP3010	Passage Set	<ul style="list-style-type: none"> • Both paddles retract latch • Ideal for patient rooms and closets
HP3020	Privacy Set	<ul style="list-style-type: none"> • Inside paddle always retracts latch • Outside paddle retracts latch, except when locked by inside push button • Closing door unlocks outside paddle • Includes emergency release • Vertical orientation required • Ideal for bathrooms

Strikes/Kits

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

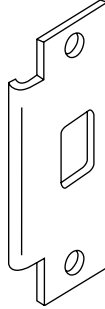
Strikes

ANSI Curved Lip

(Standard)

Brass, bronze or stainless steel, 4-7/8" (124mm) x 1-1/4" (57mm) x 1-1/4" (57mm) lip to center.

To order with push/pull paddle trim, see Quick Codes, page 25. To order separately, specify 217L13 x Finish.

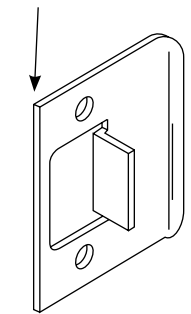


Full Lip Strike (SF114)

Brass, 2-1/4" x 1-3/4" x 1-1/4" lip to center. No optional lip lengths.

To order separately specify 680L50M020 x Finish.
Anti-rattle tab.

Square Corners

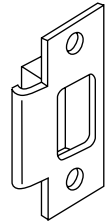


Curved Lip Box

(Optional)

Brass, 2-3/4" (70mm) x 1-1/8" (29mm) x 1-1/4" (57mm) lip to center.

To order with push/pull paddle trim, see Quick Codes, page 25. To order separately, specify 586L19 x Finish.

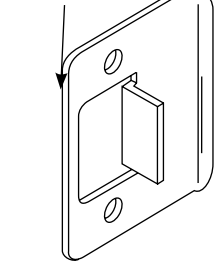


Full Lip Strike – 1/4" Radius Corners (SFR114)

Brass, 2-1/4" x 1-3/4" x 1-1/4" lip to center. No optional lip lengths.

To order separately specify 680L51M020 x Finish.
Anti-rattle tab.

1/4" Radius Corners



ANSI Wrought Strike Box

To order with push/pull paddle trim, see Quick Codes, page 25.

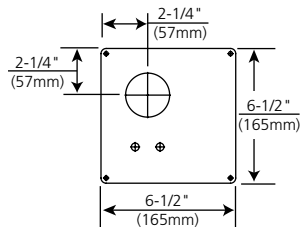
To order separately, specify 120F76.



Kits

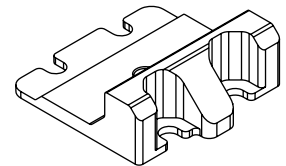
Kit for Retrofitting HP3000 Push/Pull Paddle Trim

Use to cover prep from HL10 series push/pull trim and other manufacturer's trim, when retrofitting HP3000 trim. Contains 2 retrofit plates and 8 screws. Available in 630 finish only. To order, specify 791F39.



Positive Pull Stop Kit

Used on openings where weather stripping is installed or when door closers are not utilized, this kit prevents the latch from retracting when pulling door closed. Contains 2 wood screws, 2 machine screws and instructions. To order, specify 813F068.



How to Order/Quick Codes

HP3000 Series Tubular Lock with Push/Pull Paddle Trim

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
12	HP3010	HPSK	630	RH

Contract / Detailed Order

Quantity	Series/Function	Trim	Finish	Hand*	Optional Strike	Misc. Options
12	HP3020	HPSK	630	RH	SA214	M38

* Note: Passage (HP3010) function is non-handed and privacy (HP3020) function is handed.

Miscellaneous Options

Description	Specify
Spanner head screws	M02
Torx® head screws	M04
Hex head screws	M05
Latch front, rounded corners	M13
ANSI wrought strike box	M17
Lead lining. Specify Push or Pull side.	M28
"PUSH & PULL" Identification*	M38

*Non-Handed.

Backset (5" - Standard)

Description	Specify
5" (127mm)	(standard)
2-3/4" (70mm)	B234
7" (177mm)	B700

Door Thickness

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

Strikes

Lip to Center	ANSI Curved Lip, Specify	Curved Lip Box, Specify	Full Lip, Specify
1" (25mm)	SA100	SC100	N/A
1-1/8" (29mm)	SA118	SC118	N/A
1-1/4" (32mm)	(standard)	SC114	SF114**
1-3/8" (35mm)	SA138	SC138	N/A
1-1/2" (38mm)	SA112	SC112	N/A
1-3/4" (44mm)	SA134	SC134	N/A
2" (51mm)	SA200	SC200	N/A
2-1/4" (57mm)	SA214	SC214	N/A
2-1/2" (28mm)	SA212	SC212	N/A
2-3/4" (70mm)	SA234	SC234	N/A
3" (76mm)	SA300	SC300	N/A

**Specify SFR114 for rounded corner.

Finishes

Description	Specify
BHMA 605 (US3) Bright Brass	605
BHMA 606 (US4) Satin Brass	606
BHMA 611 (US9) Bright Bronze	611
BHMA 612 (US10) Satin Bronze	612
BHMA 613 (US10B) Dark Oxidized Satin Bronze, Oil Rubbed	613
613L Dark Oxidized Satin Bronze, Clear Coated	613L
BHMA 618 (US14) Bright Nickel Plated	618
BHMA 619 (US15) Satin Nickel Plated	619
BHMA 629 (US32) Bright Stainless Steel	629
BHMA 630 (US32D) Satin Stainless Steel	630
630C Satin Stainless Steel with MicroShield®	630C
BHMA 722 (US10A) Black Oxidized Bronze, oil rubbed	722

Features/Functions

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.



Features

Handing

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

Door Thickness

1-3/4" (44mm) standard.
Optional door thicknesses available; see Quick Codes, page 27.

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 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.

Hub

Lever: steel, 5/16" (8mm).

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 27.

Thumbturn

Cast stainless steel construction. See page 28.

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 27.

Keys

Two nickel silver standard.

Keying Features Available

Master keying
Construction master keying
Visual key control
Concealed key control
7-pin cylinder
Security cylinder
Pyramid cylinder
Interchangeable core (IC)
Security IC
Pyramid IC
Blockout cylinder

Functions

Available with all ML2000 functions except ML2050, 2070 and 2080

Warranty

Ten-year limited.

Certification/Compliance

ANSI

Meets A156.13 Series 1000, Operational and Security Grade 1.

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. 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.

Windstorm/Hurricane

Certified (refer to local codes).

Finish

BHMA 606 (US4)	Satin Brass
BHMA 626 (US26D)	Satin Chromium Plated
626C	Satin Chromium Plated with MicroShield®

How to Order/Quick Codes

Anti-Harm Knob (HSS)

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

Miscellaneous Options

Description	Specify
ANSI wrought strike box	M17
Working trim only	M31
Latch hold back (for ML2042, ML2052, ML2055, ML2051, ML2057 only)	LHB*

* Must use A02 cam when LHB is specified

Door Thickness

Door Thickness	Sectional Trim - Specify	Escutcheon* Trim - Specify
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

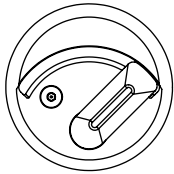
Strikes

Available for ML2000HS and ML2000VR

ANSI Lip to Center	ANSI Straight Lip Specify	Curved Lip Specify
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

Thumbturns

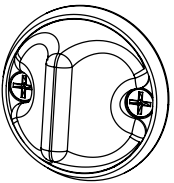
Anti-Harm Knob (HSS)



BHSS Thumbturn

Stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 2-1/4" (57mm) diameter

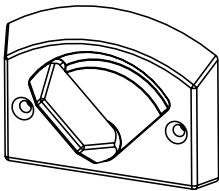
Door	Packet
1-3/4" (44mm)	813F177 x FIN
2" (51mm)	813F187 x FIN
2-1/4" (57mm)	813F097 x FIN



BLSS Thumbturn

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 1-3/4" (44mm) diameter

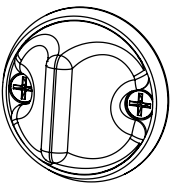
Door	Packet
1-3/4" (44mm)	813F92M x FIN
2" (51mm)	813F93M x FIN
2-1/4" (57mm)	813F94M x FIN



HPSK Thumbturn

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 2-3/4" (70mm) x 2" (50mm)

Door	Packet
1-3/8" (35mm)	723F72M x FIN
1-3/4" (44mm)	723F78M x FIN
2-1/4" (57mm)	723F90M x FIN
Up to 4" (102mm)	723F84M x FIN



HSS Thumbturn

Cast bronze or stainless steel. Used on functions utilizing a thumbturn. Sectional trim only. To order, see table.
Plate Size: 1-3/4" (44mm) diameter

Door	Packet
1-3/4" (44mm)	723F04M x FIN
2" (51mm)	723F05M x FIN
2-1/4" (57mm)	723F06M x FIN

Architectural Specifications

ML2000 Series

Mortise Locks with BHSS and BLSS Trim

- A. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to accepted OMH requirements with ligature-resistant lever and escutcheon trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and escutcheons are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
 1. Acceptable Manufacturers:
 - a. Sargent Manufacturing (SA) - 8200 BHW Series
 - b. Corbin Russwin (RU) – ML2000 BHSS Series
 - c. Accurate Lock (AC) – CP Crescent Pull Series (with Teflon pad)

- B. Ligature Resistant, Mortise: ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 mortise type manufactured to [accepted] [Use with caution] OMH requirements with ligature-resistant lever and rose trim. Locksets to be manufactured with a corrosion resistant, formed steel case. Levers and roses are manufactured from stainless steel material. Provide optional lead-lining (lock body), Torx® fasteners, and Antimicrobial coating as specified in Hardware Sets.
 1. Acceptable Manufacturers:
 - a. Sargent Manufacturing (SA) - 8200 BHL Series
 - b. Corbin Russwin (RU) – ML2000 BLSS Series
 - c. Best Lock (BE) – SPSL Series
 - d. Town Steel (TS) – MRX-L Series

ML2000 and ML20900 Series (HPSK)

Mortise Locks with Push/Pull Paddle Trim

1. All locksets shall be ML2000 Series Mortise Locksets as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall meet or exceed the requirements of ANSI/BHMA A156.13 Series 1000, Operational Grade 1, and Security Grade 1 with all standard trims.
3. Locks shall be easily re-handed without opening the lock body.
4. Locks required for fire doors shall be listed by Underwriters Laboratories for ratings of A label (3 hours) and less, for doors up to 4'0" (1.2m) x 10'0" (3.05m) and pairs of doors 8'0" (2.4m) x 10'0" (3.05m)
5. Construction:
 - a. Lock functions shall be manufactured in a single-sized case formed from 12 gauge steel minimum.
 - b. Lock cases shall be closed on all sides and back.
 - c. Locks shall have field adjustable, beveled, armored front, with a 1/8" (3mm) thickness minimum.
 - d. Locks shall have a one piece, 3/4" (19mm) throw anti-friction stainless steel latch.
 - e. Deadbolts, where specified, shall be full one inch (25mm) throw made of one-piece hardened stainless steel.
6. Lockset paddles shall be capable of horizontal or vertical mounting positions.
7. Locks shall have a 2-3/4" (70mm) backset, standard.
8. Strikes shall be non-handed with a curved lip.
9. Locks shall have brass 6-Pin cylinder, standard.
10. Locks shall have a 10 year limited warranty. 2 year limited warranty on electrified locks.

HP3000 Series

Architectural Specifications

Tubular Lock with Push/Pull Paddle Trim

1. Tubular hospital locks shall be HP3000 series as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall meet or exceed requirements of ANSI/BHMA A156.2 Series 1000 Grade 1.
3. Locks shall be easily re-handed with a non-handed curved lip strike.
4. Locks shall be listed for use on 3 hour fire doors (4' x 8' single and smaller doors).
5. Locks shall comply with UL10C and UBC 7-2 positive pressure requirements.
6. Lockset paddles shall be capable of horizontal or vertical mounting positions.
7. Locks shall have 2-3/4", 5" or 7" backset available.
8. Locks shall have one-year limited warranty.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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



MicroShield®

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



ASSA ABLOY

TL3700 Series

Tubular Lock



ASSA ABLOY, the global leader
in door opening solutions

Introduction

TL3700

Table of Contents

Introduction.....	2
Functions.....	3
Muséo® Trim Designs.....	4
Roses.....	8
Finishes.....	9
How to Order/Quick Codes.....	9
Architectural Specifications.....	11

TL3700 Series Tubular Lock

Corbin Russwin is pleased to present the TL3700 Series of tubular locks. This series is designed to work with Corbin Russwin Muséo® levers. Engineered for ease of installation with the quality you expect from Corbin Russwin, the TL3700 Series will meet and exceed the expectations of the most demanding architects and design professionals. Ideal interior applications include high-end apartments and condos.



General Information

- For doors 1-3/8" (35mm) to 1-3/4" (44mm) thick standard
- 2-3/4" (70mm) backset standard
Optional: 2-3/8" (60mm); see quick codes; page 9
- Curved lip T-Strike
- ANSI Standard 161 Door Prep
- Latchbolt brass 1/2" (12.7mm) projection
- Specify hand of lock on order; easily field reversible
- C-UL US - All locks listed for A label and lesser class doors, 4' (122cm) x 10' (305cm) single or 8' (244cm) x 10' (305cm) pair. Letter F and UL symbol on armored front indicate listing.
- One-year limited warranty

TL3700 Series Tubular Lock with Inspire™ Roseless Trim

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

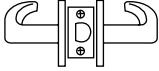
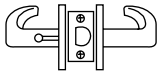
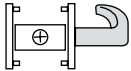

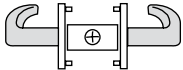
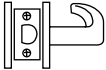


- Available with all TL3700 tubular lock functions (except surface mounted trim)
- Compatible with most *Muséo* Collection levers (except 104, 111, 113, 121 and Piet levers)
- Selected levers return within 1/2" of the door face

General Information

- For doors 1-3/4" (44mm) thick
- 2-3/4" (70mm) backset standard
Optional: 2-3/8" (60mm); see quick codes; page 9
- Latchbolt brass 1/2" (12.7mm) projection
- Curved lip T-Strike
- Specify hand of lock on order; easily field reversible
- C-UL US - All locks with 1/2" (13mm) throw latchbolt listed for A label and lesser class 4' x 10' single doors. Letter F and UL symbol on latch front indicate listing.
- One-year limited warranty

Note: Special door prep templates required. This product is not compatible with 160/161 cylindrical lock preparations.

	Series/Function	Type	Description
	TL3710 TL3710A	Passage Set Passage Set-3 hour	<ul style="list-style-type: none"> • Both levers retract latch • Ideal for closets & bedrooms
	TL3720 TL3720A	Privacy Set Privacy Set-3 hour	<ul style="list-style-type: none"> • Inside lever always retracts latch • Outside lever retracts latch, except when locked by inside push button • Closing door unlocks outside lever • Includes emergency release • Ideal for bathrooms & home offices
	TL3750	Half Dummy Trim-Through Bolted	<ul style="list-style-type: none"> • Lever always rigid • No latch included • Ideal for pantries & closets <p>Note: Handing of door for dummy trim only depends on side of door lever trim installed.</p>
	TL3750S*	Half Dummy Trim-Surface Mounted	<ul style="list-style-type: none"> • Lever always rigid • No latch included • Ideal for pantries & closets <p>Note: Handing of door for dummy trim only depends on side of door lever trim installed.</p>
	TL3770	Full Dummy Trim-Through Bolted	<ul style="list-style-type: none"> • Levers always rigid • No latch included • Ideal for sliding doors <p>Note: Handing of door for dummy trim only depends on side of door lever trim installed.</p>
	TL3780 TL3780A	Communicating Set Communicating Set 3 hour	<ul style="list-style-type: none"> • Blank rose outside • Lever retracts latch • Ideal for adjoining rooms <p>Note: Hand door from outside of door.</p>

*Function not available with Inspire™ roseless trim

Muséo® Collection Trim Designs

TL3700

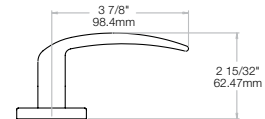
Pablo

Diminutive, yet distinctive and striking in style.



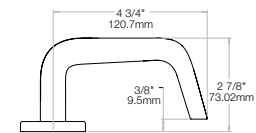
117

Lever: Cast
Non-Handed lever



126¹

Lever: Cast
Handed - Specify hand
Non-Reversible



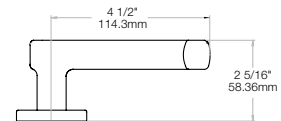
Jackson

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



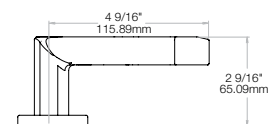
119

Lever: Cast
Handed - Specify hand
Non-Reversible



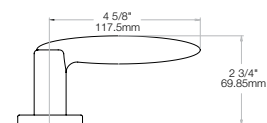
121²

Lever: Cast
Handed - Specify hand
Non-Reversible



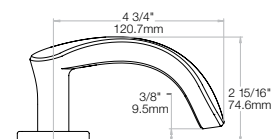
122

Lever: Cast
Handed - Specify hand
Non-Reversible



127¹

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

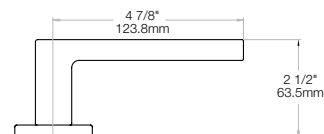
TL3700

Salvador

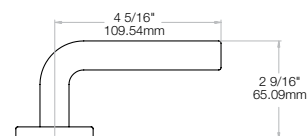
Dreamlike beauty manifested in solid, familiar forms.



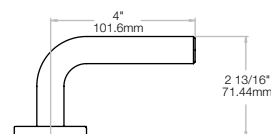
106
Lever: Cast
Non-handed lever



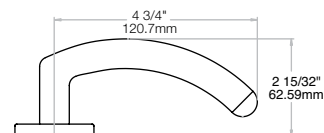
107
Lever: Cast
Non-handed lever



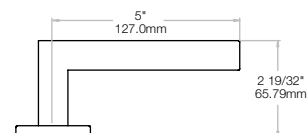
108
Lever: Cast
Non-handed lever



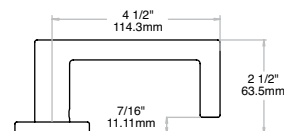
109¹
Lever: Cast
Non-Handed lever



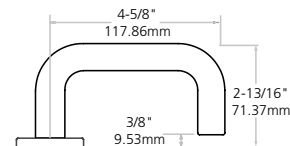
110
Lever: Cast
Non-handed lever



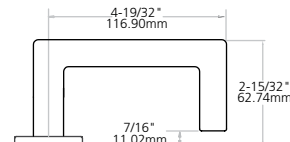
123¹
Lever: Cast
Non-handed lever



128¹
Lever: Cast
Non-handed lever



129¹
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

TL3700

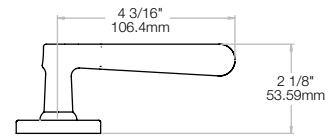
Marc

Fluid lyricism expressed through whimsical lines and dynamic contours.



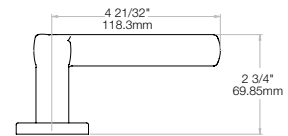
111²

Lever: Cast
Handed - Specify hand
Non-Reversible



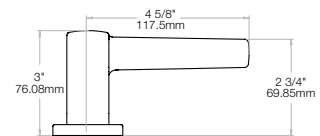
112

Lever: Cast
Handed - Specify hand
Non-Reversible



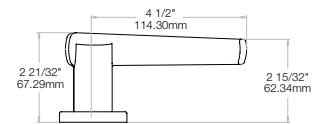
113²

Lever: Cast
Handed - Specify hand
Non-Reversible



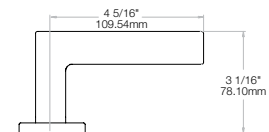
114

Lever: Cast
Handed - Specify hand
Non-Reversible



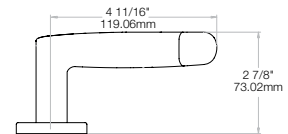
115

Lever: Cast
Handed - Specify hand
Non-Reversible



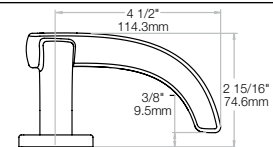
116

Lever: Cast
Handed - Specify hand
Non-Reversible



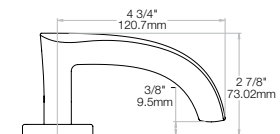
130¹

Lever: Cast
Handed - Specify hand
Non-Reversible



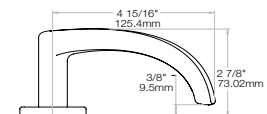
131¹

Lever: Cast
Handed - Specify hand
Non-Reversible



132¹

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

TL3700

Piet²

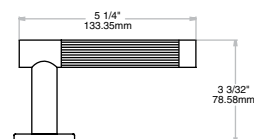
Striking levers with sleek, clean lines.



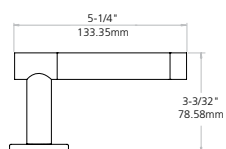
*Refer to page 10 for how to order the Muséo® Piet Lever Collection.



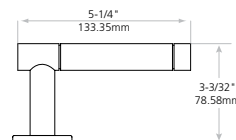
21G
Grooved Insert
Lever: Stainless steel
Non-Handed Lever



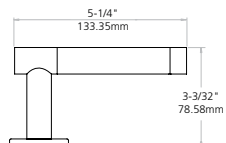
21L
Leather Insert
Lever: Stainless steel
Non-Handed Lever



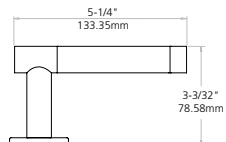
21M
Polished with Satin Insert
Lever: Stainless steel
Non-Handed Lever



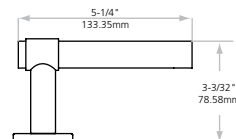
21S
Santoprene™ Insert
Lever: Stainless steel
Non-Handed Lever



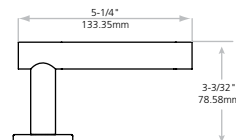
21W
Wood Insert
Lever: Stainless steel
Non-Handed Lever



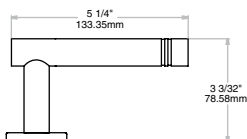
23M
With Raised Band
Lever: Stainless steel
Non-Handed Lever



25M
Plain
Lever: Stainless steel
Non-Handed Lever



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



2. Not available with Inspire™ roseless trim.

Muséo® Collection Trim Designs

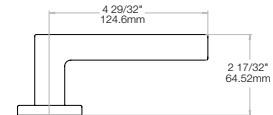
TL3700

Georgia

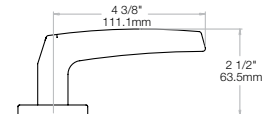
Timeless elegance in forms inspired by the natural world.



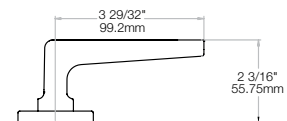
102
Lever: Cast
Non-Handed lever



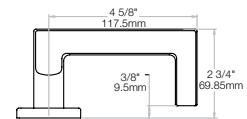
103
Lever: Cast
Non-Handed lever



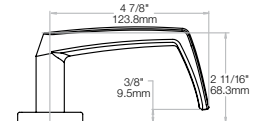
104²
Lever: Cast
Non-Handed lever



124¹
Lever: Cast
Non-Handed lever



125¹
Lever: Cast
Non-Handed lever

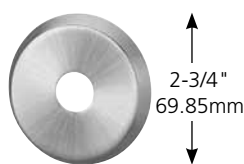


1. Complies with codes requiring lever to return to within 1/2" (13mm) of door face.
2. Not available with Inspire™ roseless trim.

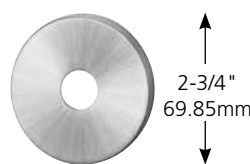
Muséo® Collection Roses



V Rose
Brass or Stainless Steel

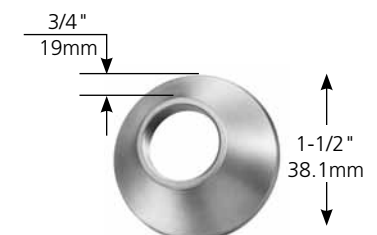


U Rose
Brass or Stainless Steel



T Rose
Brass or Stainless Steel

Inspire™ Roseless Trim



J Collar
Brass or Stainless Steel

How to Order/Quick Codes

TL3700

Strikes

Lip to Center	ANSI Curved Lip, Specify	Curved Lip Box, Specify
1" (25mm)	SA100	SC100
1-1/8" (29mm)	SA118	SC118
1-1/4" (32mm)	SA114	(standard)
1-3/8" (35mm)	SA138	SC138
1-1/2" (38mm)	SA112	SC112*
1-3/4" (44mm)	SA134	SC134
2" (51mm)	SA200	SC200
2-1/4" (57mm)	SA214	SC214
2-1/2" (28mm)	SA212	SC212
2-3/4" (70mm)	SA234	SC234
3" (76mm)	SA300	SC300

*Standard for D214

Door Thickness

Measurement	Specify
1-3/8" (35mm) up to 1-3/4" (44mm)	(D138)
1-3/4" (44mm) up to 2-1/4" (57mm)	(standard)
2-1/4" (57mm) up to 2-1/2" (64mm)	(D214)
(Consult factory if over 2-1/2" (64mm))	

Backset

Measurement	Specify
2-3/4" (70mm)	(standard)
2-3/8" (60mm)	B238†

†1" front supplied standard

Ordering Examples

Stock Order

TL3700 Series

Quantity	Series/Function	Trim	Finish
25	TL3710	102U	626

Micellaneous Options

Description	Specify
Rounded corners on latch front	M13
1" (25mm) latch front, square corners	M14**
1" (25mm) latch front, rounded corners	M15
ANSI wrought strike box	M17

**Standard for 2-3/8" backset

Finishes

Description	Specify
BHMA 605 Bright Brass	605
BHMA 606 Satin Brass	606
BHMA 611 Bright Bronze	611
BHMA 612 S Satin Bronze	612
BHMA 613 Dark Oxidized Satin Bronze, oil rubbed	613
BHMA 613L Dark Oxidized Satin Bronze, Clear Coated	613L
BHMA 618 Bright Nickel Plated	618
BHMA 619 Satin Nickel Plated	619
BHMA 625 Bright Chromium Plated	625
BHMA 626 Satin Chromium Plated	626
BHMA 629 Bright Stainless Steel	629
BHMA 630 Satin Stainless Steel	630
BHMA 722 Black Oxidized Bronze, oil rubbed	722

Stock Order

TL3700 with Inspire™ Roseless Trim

Quantity	Series/Function	Trim*	Finish
25	TL3710	102J	626

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

How to Order Piet Lever Collection

TL3700

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**



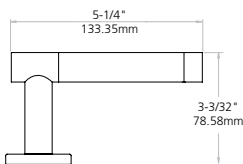
**Polished with Satin Insert
21M**



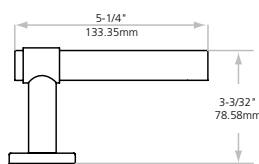
**With Raised Band
23M**

Trim	Lever Finish Options					
Lever Style	Shank Finish	Specify	Insert Finish	Specify	Grip Finish	Specify
21G	629 or 630	29 or 30	629 or 630	29 or 30	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

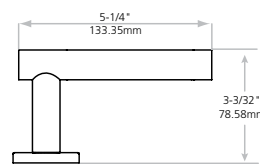
Ordering Examples



21G, 21L, 21M, 21S, 21W



23M



25M, 27M

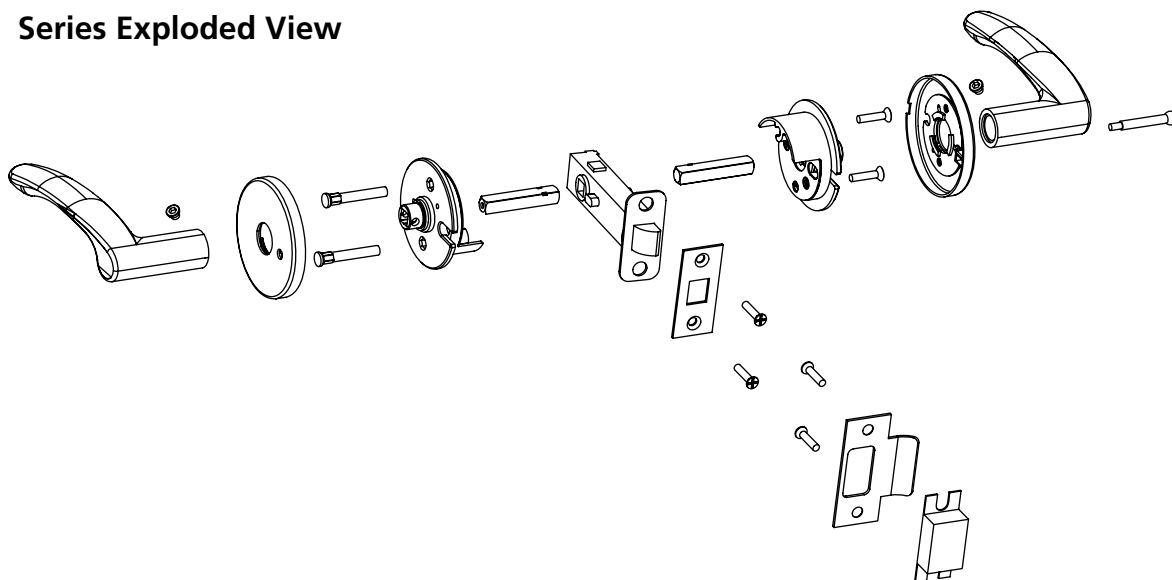
Rose Options: T, U, V

Quantity	Series/ Function	Trim	Lever Finish	Lock Finish	Hand
2	TL3710	21LU	29BK29	629	RH
5	TL3710	25MT	290029	629	RH

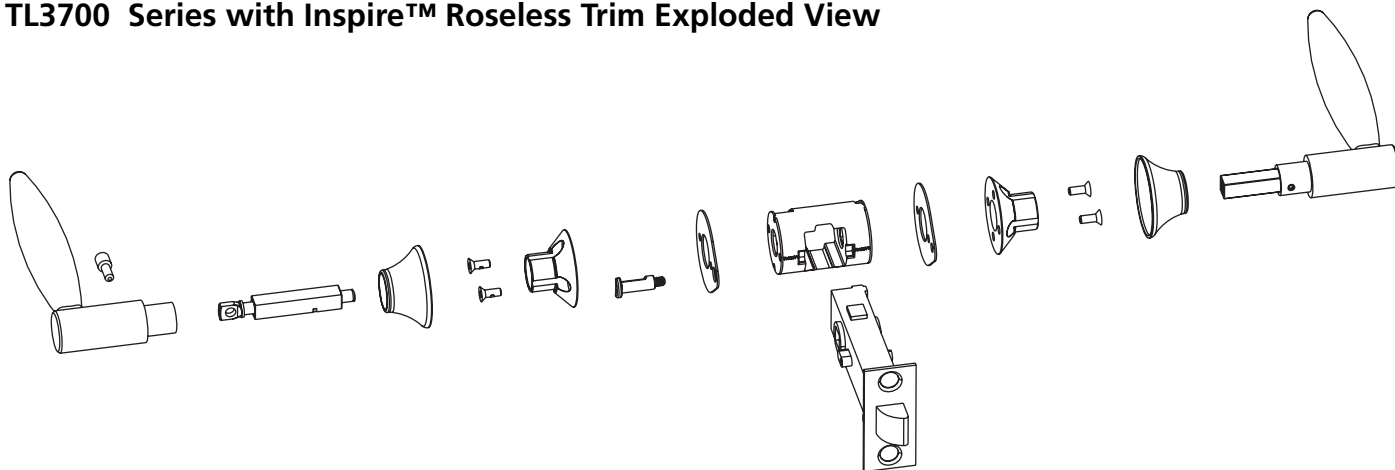
TL3700 Series Tubular Lock

1. Locksets shall be TL3700 Series as manufactured by Corbin Russwin Architectural Hardware, Berlin, CT.
2. Locks shall be non-handed with bi-directional lever operation.
3. Locks shall mount in a standard ANSI 161 door prep (2-1/8" dia.) without additional throughbolt preps. (Does not apply to Inspire™ roseless trim)
4. Lockset levers shall be made of solid material with no plastic fillers.
5. Locks shall have a 2-3/4" (70mm) backset standard, with 2-3/8" (60mm) offered as an option.
6. Strikes shall be non-handed with a curved lip.
7. Locks shall have a one year limited warranty.

TL3700 Series Exploded View



TL3700 Series with Inspire™ Roseless Trim Exploded View





ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinrusswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007
Fax: 905-738-2478
www.assaabloy.ca

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



MicroShield®

As part of their promise to provide innovative solutions to their customers, ASSA ABLOY Group companies offer the MicroShield® technology, a silver-based antimicrobial coating designed to stem the spread of germs and bacteria.

MicroShield® is a trademark of Yale Security Inc., an ASSA ABLOY Group company.

MicroShield® Coating

- Revolutionary finish coating available on all Corbin Russwin product lines, utilizes a silver-based antimicrobial compound from Agion Technologies
- As an integral part of the finish coating, MicroShield® lasts for the life of the hardware
- MicroShield® coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)



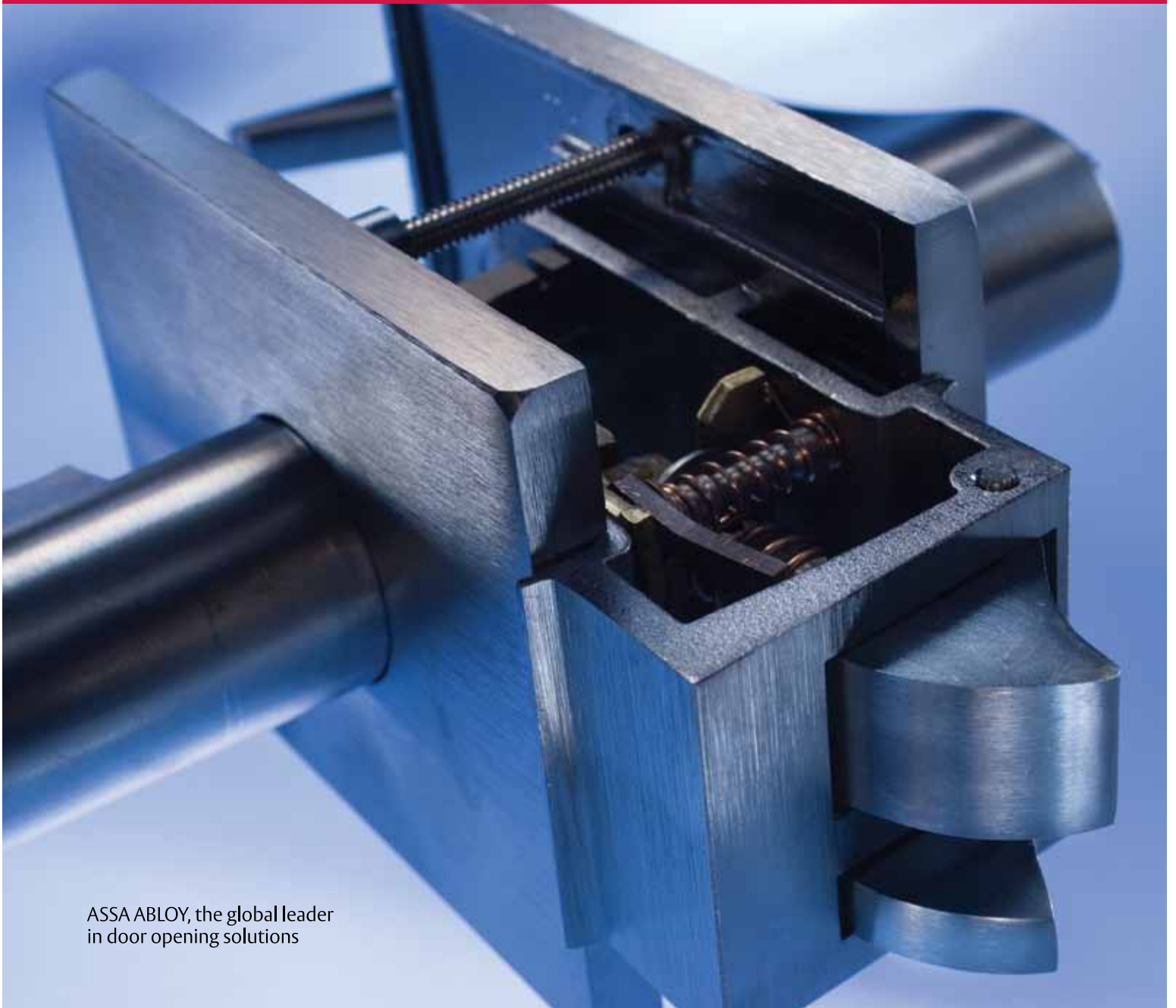
The Agion antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to insure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the Agion antimicrobial. A copy of the Agion warranty is available upon request.

Agion is a registered trademark of Agion Technologies, Inc., Wakefield, MA, USA.

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UT5200 Series

Pre-Assembled Unit Locksets



ASSA ABLOY, the global leader
in door opening solutions



Applications

UT5200

Applications

This lock has provided decades of service in some of the world's most prestigious buildings. Its pre-assembled, unitized construction is ideal for projects where installation costs are to be minimized. Typical high-traffic commercial, institutional and industrial applications include:

- Schools and universities
- Office buildings
- Hospitals
- Municipal buildings
- Historic buildings



Advantages

- Factory pre-assembled for quick, economical, one-piece installation: no job site assembly required
- 3/4" radius latchbolt, designed to wedge more tightly into the strike when tampered with, while meeting all ADA force-to-latch requirements.

Table of Contents

Applications..... 2

Features..... 3

Functions..... 4

Trim Designs..... 5

Options and Accessories 6

How to Order..... 8

Helpful Terms..... 10

How to Specify..... 11

Features

Handing

Specify hand. All functions are handed.

Door Thickness

1-3/4" (44mm) only.

Backset

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

Lock Chassis

One-piece investment cast frame. Machined internal parts of steel, bronze and stainless steel. Zinc dichromated for corrosion resistance.

Front

Beveled 1/8" (3mm) in 2" (51mm).

Latchbolt

Brass, chrome plated, 3/4" (19mm) throw pivoted, swinging type.

Auxiliary Latch

Deadlocks latchbolt, preventing manipulation when door is closed.

Strike

Wrought brass or bronze, ANSI strike with nylon adjusting screw, standard. 4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center. Optional strikes and lip lengths available; see pages 6 and 9.

Cylinder

Brass, 6-pin, L4 keyway, 0-bitted standard.

Keys

Two nickel silver standard.

Keying Features Available

- Master keying
- Construction master keying
- Visual key control
- Concealed key control
- Interchangeable core (IC)
- Security
- Security (IC)
- Pyramid High Security
- Pyramid High Security (IC)
- Pyramid Security
- Pyramid Security (IC)
- Master ring

Warranty

One-year limited.

Certification/Compliance

ANSI

Meets A156.2 Series 2000.
Meets A117.1 Accessibility Code (lever design only).

Federal

Meets FF-H-106C.

California State Reference Code (Formerly Title 19, California State Fire Marshal Standard)

All levers with return comply; levers return to within 1/2" (13mm) of door face.

UL/ULC

All locks listed for A label and lesser class doors, single or pair, maximum door size 3'8" (111.7cm) x 7'2" (218.4cm). All locksets also listed for B label doors, single or pair, maximum door size 4' x 8'. Letter F and UL symbol on lock frame 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

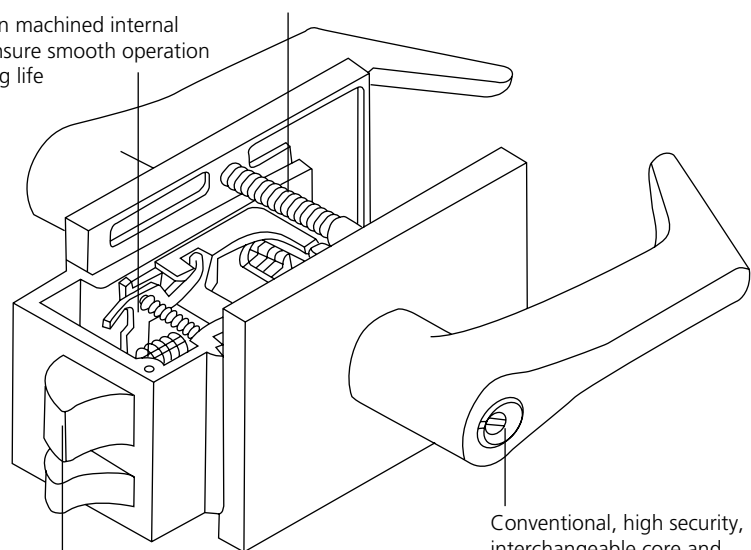
warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

Finishes

612	US10	Satin Bronze
613	US10B	Oxidized Bronze, oil rubbed, available lacquered
625	US26	Bright Chromium Plated
626	US26D	Satin Chromium Plated
626C	—	Satin Chromium Plated with MicroShield®

Installation of preassembled lockset requires only tightening three through bolts, significantly reducing costs and potential for error

Precision machined internal parts ensure smooth operation and long life

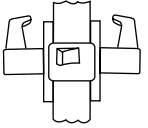
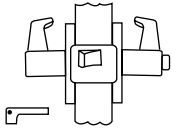
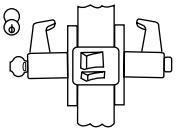
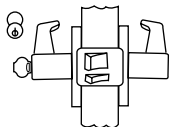
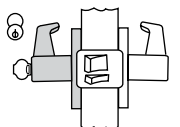




3/4" throw latchbolt provides security and meets all force-to-latch requirements


Conventional, high security, interchangeable core and master ring cylinders available for keying flexibility

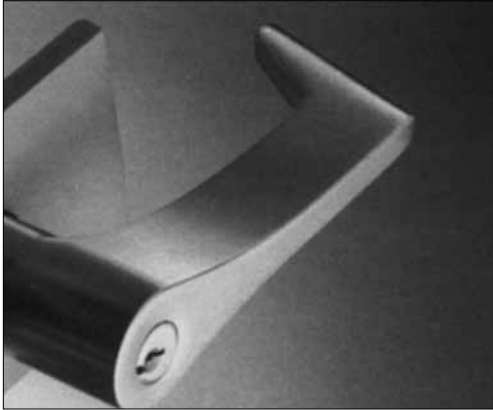
Functions

UT5200

Outside	Inside	Series/Function	Type	ANSI No. Series 2000	Function Description
		UT5210	Passage or Closet	F36	<ul style="list-style-type: none"> Latchbolt by grip either side. Both grips always free.
		UT5220	Privacy Bedroom or Bathroom	F37	<ul style="list-style-type: none"> Latchbolt by grip either side. Outside grip locked by push button. Outside grip unlocked by emergency release tool outside, by rotating inside grip or by closing door. Inside grip always free.
		UT5251	Entrance or Office	F40	<ul style="list-style-type: none"> Deadlocking latchbolt by grip either side, except when turn button locks outside grip. Key outside retracts latchbolt. Outside grip unlocked by turn button. Inside grip always free.
		UT5255	Classroom	F42	<ul style="list-style-type: none"> Deadlocking latchbolt by grip either side, except when key outside locks outside grip. Outside grip unlocked by key outside. Inside grip always free.
		UT5257	Storeroom or Closet	F44	<ul style="list-style-type: none"> Deadlocking latchbolt by key in outside grip or by rotating inside lever. Outside grip always rigid. Inside grip always free.
		UT5282	Store Door	F46	<ul style="list-style-type: none"> Deadlocking latchbolt by grip either side, except when key either side locks both grips. Keyed alike unless specified otherwise.

 Indicates optional interchangeable core available; see How to Order, page 9.

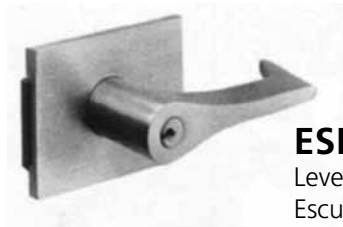
 Indicates rigid grip.



Essex

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

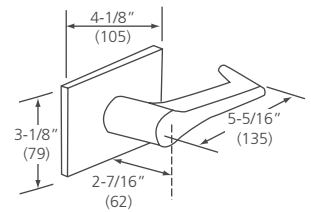
Brass.



ESE

Lever: Forged

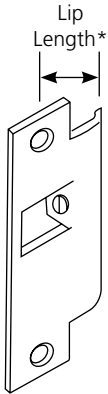
Escutcheon: Forged



Options and Accessories

UT5200

Strikes



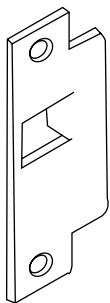
*Lip length for ANSI strikes measured from lip to center

ANSI Curved Lip

Brass or bronze.
4-7/8" (124mm) x 1-1/4" (32mm) x 1-1/4" (32mm) lip to center.
Nylon set screw to adjust clearance.
No optional lip lengths.
Wrought box not available.
To order with lockset, see How to Order, pages 8 and 9. To order separately, specify 236L75 x Finish.

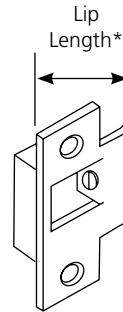
ANSI Straight Lip for Extended Lip Escutcheon

Brass or bronze.
4-7/8" (124mm) x 1-1/4" (32mm) x 15/16" (24mm) lip to center.
Nylon set screw to adjust clearance.
Furnished standard with extended lip escutcheon option.
To order separately, specify 610L43 x Finish.



ANSI Straight Lip for Pairs of Doors

Brass or bronze.
4-7/8" (124mm) x 1-1/4" (32mm) x 1" (25mm) lip to center.
Non-adjustable.
To order with lockset, see How to Order, pages 8 and 9.
To order separately, specify 610L44 x Finish.



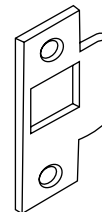
*Lip length for non ANSI strikes measured from back of the strike to the lip.

Curved Lip Box

Brass or bronze.
3-1/4" (83mm) x 1-1/8" (29mm) x 2-1/8" (54mm).
Nylon set screw to adjust clearance.
Optional lip lengths (measured from back of strike to edge of lip): 2" (51mm), 2-1/4" (57mm), 2-1/2" (64mm), 2-3/4" (70mm), 3" (76mm).
To order with lockset, see How to Order, page 9.
To order separately, specify 083L96 x Lip Length x Finish.

For Extended Lip Escutcheon

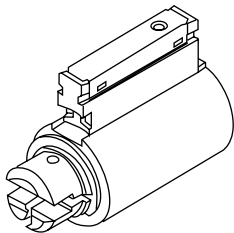
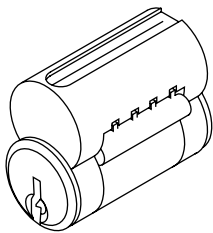
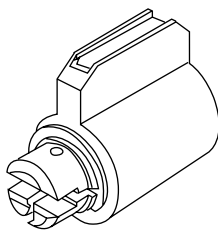
Brass or bronze.
3-1/4" (83mm) x 1-1/8" (29mm) x 1-13/16" (46mm) lip length.
Nylon set screw to adjust clearance. Lip not curved.
To order with lockset, see How to Order, page 9.
To order separately, specify 293L14 x Finish.



For Pairs of Doors

Brass or bronze. Non-adjustable
3-1/4" (83mm) x 1-1/16" (27mm) x 1-13/16" (46mm).
To order with lockset, see How to Order, page 9.
To order separately, specify 82L67 x Finish.

Cylinders

	 <p>Standard Cylinder .552" plug diameter Brass, 6-pin 2 nickel silver keys Finishes: 606, 626 .496" plug diameter Pyramid</p>	 <p>Interchangeable Core .509" plug diameter conventional .552" plug diameter high security Brass, 6-pin 2 nickel silver keys Finishes: 612, 613, 625, 626 .496" plug diameter Pyramid</p>	 <p>Master Ring Cylinder .552" plug diameter Brass, 6-pin 2 nickel silver keys Finishes: 606, 626</p>
Conventional 6-Pin	2000-052	8000	2060-052
Conventional 7-Pin	N/A	8000-7	N/A
Security	2010-052	8010	N/A
Pyramid High Security	2020-052	8020	N/A
Pyramid Security	2027-052	8027	N/A

To order optional cylinder with lockset, see How to Order, page 9.

To order cylinder separately, specify Part No. x Keyway x Finish) (e.g., 2000-052 x L4 x 626).

How to Order

UT5200

Ordering Examples

Stock Order

Quantity	Series/Function	Trim	Finish	Hand
100	UT5251	ESE	626	RH

Split Finish Order

Quantity	Series/ Function	Trim	Finish		Hand
			Outside	Inside	
12	UT5251	ESE	626	625	RH

Contract / Detailed Order

Quantity	Keyset	Series/ Function	Trim	Finish	Hand	Optional Strike	Misc. Options	Optional Cylinder	Keying
24	AA1	UT5251	ESE	626	RHR	SC200	M21	MR	VKC3

Where to find ordering information and Quick Codes

Series/Function	Page 4
Trim Designs	Page 5
Finish	Page 9
Handing	Page 9
Strikes	Page 9
Miscellaneous Options	Page 9
Cylinder and Keying	Page 9

Cylinder and Keying

Description	Specify
Conventional 6-pin	(standard)
Less cylinder(s)	LC
IC 6-pin	C6
IC 6-pin with temporary construction core	CT6
IC 6-pin less core	CL6
IC 7-pin (ESE trim only)	C7
IC 7-pin with temporary construction core (ESE trim only)	CT7
IC 7-pin less core (ESE trim only)	CL7
High Security	HS
High Security IC	CHS
Master ring	MR
0-bitted with 2 blank keys	(standard)
Keyed random	KR
Construction master keyed	CMK
Pyramid Security Fixed Core	PS
Pyramid Security IC	PCS
Pyramid High Security Fixed Core	PHS
Pyramid High Security IC	PCHS
Pyramid IC with Temporary Construction Core	CTP
Pyramid IC with Temporary Disposable Core	CTPD
Pyramid IC Less Core	CLP
IC 6-pin with Temporary Construction Core (Red)	CT6R
IC 6-pin with Temporary Construction Core (Blue)	CT6B
IC 6-pin with Temporary Construction Core (Green)	CT6G
IC 6-pin with Temporary Disposable Core	CT6D
IC 7-pin with Temporary Construction Core (Red)	CT7R
IC 7-pin with Temporary Construction Core (Blue)	CT7B
IC 7-pin with Temporary Construction Core (Green)	CT7G
IC 7-pin with temporary Disposable Core	CT7D
No Stamping	VKCO
Keys only	VKC1
Cylinders and keys (not for HS or CHS)	VKC2
Cylinders only (not for HS or CHS)	VKC3
Concealed key control (CKC)	
CKC cylinders with VKC keys	CKC2
CKC cylinders only	CKC3
2 keys per lock	(standard)
More than 2 keys	KY# (e.g., KY6)

Strikes

Lip Length	ANSI Curved Lip Specify	Curved Lip Box* Specify
1-1/4" (32mm)	(standard)	N/A
2" (51mm)	N/A	SC200
2-1/8" (54mm)	N/A	SC218
2-1/4" (57mm)	N/A	SC214
2-1/2" (64mm)	N/A	SC212
2-3/4" (70mm)	N/A	SC234
3" (76mm)	N/A	SC300

Lip Length	ANSI* Straight Lip for Door Pair Specify	For Door Pair* Specify
1-13/16" (46mm)	SA136	SP136

Lip Length	ANSI Straight Lip for Extended Lip Escutcheon	For Extended Lip Escutcheon
15/16" (24mm)	Standard when extended lip escutcheon option is specified	SX156

*Lip is measured from back of strike

Miscellaneous Options

Description	Specify
Delrin insert	M01
Spanner head screws	M02
Lever to accept Best®-type core	M08
Knob to accept Best®-type core	M10
Extended lip escutcheon (for single door reverse bevel; 630 finish to match 626 only)	M11
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
Lead-lined escutcheon (inside only)	M28
Unstaked lever retainer	M33
MicroShield Coating (626C only)	C

Finish

Description	Specify
US10 Satin Bronze	612
US10B Dark Oxidized Satin Bronze, oil rubbed	613
US26 Bright Chromium Plated	625
US26D Satin Chromium Plated	626
Satin Chromium Plated with MicroShield	626C

Handing

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

Helpful Terms

UT5200

Abrasive Coat

Hard granular material applied to a knob or lever to provide a non-slip tactile surface for the visually impaired.

Auxiliary Latchbolt

A supplementary latch which, when the door is closed, automatically deadlocks the latchbolt. Protects the latchbolt from forced retraction or "credit carding."

Backset

The distance from the front of the lock to the centerline of the cylinder or knob/lever hub.

Bevel

The angle of the edge of a door in relation to the inside and outside surfaces of the stile. The most common bevel for commercial doors is 1/8" in 2".

Box Strike

A strike equipped with an enclosure behind the hole(s) for the latchbolt and/or deadbolt. Protects the strike area from mortar and cement.

Chassis

The housing of a lockset, containing most of the working parts.

Curved Lip Strike

A strike with the lip curved to conform to the detail of the door frame.

Front

The part of a lock visible on the edge of a door.

Hand

The direction a door swings.

Knurling

A permanently applied tactile warning engraved in the metal of a knob or lever to warn the visually impaired of dangerous conditions on the other side of the door.

Latchbolt

A lock component having a beveled end that projects from the lock front but may be forced back into the lockcase by end pressure or drawn back by action of the retractor. When the door is closed, the latchbolt projects into a hole provided in the strike, holding the door in the closed position.

Lead Lined

Pertains to a lockset whose trim has a lining of lead to prevent the passage of radiation. Generally used in hospital applications.

Lip of Strike

The projecting part of a strike which first engages the latch; may be curved or straight.

Return

The part of a lever handle which angles or turns back toward the face of the door. Also, the distance between the end of the return of the lever and the surface of the door.

Strike

A metal plate that is pierced or recessed to receive the deadbolt or latchbolt of a lock (sometimes called a keeper).

Throw

The distance that a lock's deadbolt or latchbolt projects when in the locked position. The effective throw is the distance that a latchbolt projects when deadlocked.

Wrought Strike Box

A metal box mounted behind the strike to protect the strike opening from mortar or cement.

Keying and Cylinder Terms

Concealed Key Control (CKC)

The marking of standard key symbols on a cylinder in a location which is not visible once the cylinder is installed.

Construction Core

An interchangeable core for temporary use during construction. It is replaced by the permanent core when construction personnel no longer need access.

Construction Master Keying (CMK)

A cylinder preparation which allows temporary access by construction personnel.

Control Key

A key used to remove and install interchangeable cores.

Cylinder

A lock component containing the combination which determines which keys will operate.

Interchangeable Core (IC)

A cylinder which can be removed and installed quickly with a control key by non-skilled personnel when rekeying is required.

Key Section

The cross-section of a key blade, as viewed from bow to tip.

Key Symbol

A letter/number combination in standard industry format (e.g., 1AA, AA1, etc) which indicates exactly how a key or cylinder fits into a keying system.

Keyway

The opening in a cylinder plug through which the key enters.

Master Keying

Preparation of a cylinder to operate with keys of different levels of access.

Master Ring Cylinder

A cylinder which offers a wider range of keying.

Visual Key Control (VCK)

The marking of standard key symbols on keys and on the visible portion of the front of a cylinder.

Suggested Specification

All locksets shall be UT5200 Series Pre-Assembled Unit Locksets, as manufactured by Corbin Russwin Architectural Hardware, Berlin, Connecticut, USA.

Locksets shall be the unit type, completely pre-assembled at the factory, requiring no dis-assembly to install on the door. Knobs/levers and escutcheons shall be part of the pre-assembled lockset.

The lock frame, levers, escutcheons and bolts shall be made from non-ferrous metals. Escutcheons shall be forged brass, 5/16" thick, and when installed on specified reverse bevel doors shall be the extended lip type to provide additional security. The latchbolt shall be extruded brass, pivoted swinging type with 3/4" throw. The cylinder shall be universal with a horizontal keyway to assure correct orientation. Conventional, high security, interchangeable core and master ring cylinders shall be available.

Lever handle designs shall return to within 1/2" of door surface.

All locksets shall be listed by Underwriters Laboratories for A label and lesser class doors, single or pair, maximum door size 3'8" x 7'2". All locksets shall also be UL listed for B label doors, single or pair, maximum door size 4' x 8'.

Certification:

Federal Specification FF-H-106C

ANSI A156.2 Series 2000

ANSI A117.1 Accessibility Code (lever handle trim)

California State Reference 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 one-year limited warranty.



ASSA ABLOY

In U.S.

Corbin Russwin
Architectural Hardware
225 Episcopal Road
Berlin, CT 06037
Phone: 800-543-3658
Fax: 800-447-6714
corbinruswin.com

In Canada

ASSA ABLOY Door
Security Solutions Canada
160 Four Valley Drive
Vaughan, Ontario
Canada L4K 4T9
Phone: 800-461-3007

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

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