



Classroom Lockdown

XME9000/XCE9000 -Keypad

FME4000/FCE4000 - RFID



The 4000 and 9000 series standalone locks are specifically designed for school lockdown programs. The 4000 series offers RFID (Radio Frequency Identification) technology integrated with a heavy duty ANSI grade 1 mortise or cylindrical lock body for greater security. The 9000 series offers keypad technology with a heavy duty ANSI grade 1 mortise or cylindrical lock body. They allow you to easily add and delete users - all without installing a facility-wide network. This gives you more control and allows you to manage your system more effectively than a traditional mechanical system. Both 4000 and 9000 series are vandal resistant, and pass the most rigorous internal operational and force tests. For specific product information, or to find out more about the company, visit www.townsteel.com or call TownSteel Customer Service at 1-877-858-0888.

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Introduction

The FCE 4000 series is a grade 1 heavy duty standalone electronic lock with the security afforded by using the latest RFID technology. RFID technology simplifies the management of the lock system to make this an easy and effective method of control. Maximum keycard capacity is 250 office and user keycards along with 120 Remote Control Units (RCU) that are able to pair with each lock. Programming is practical, efficient and simple.

The lock system provides for Lockdown of the lock using the RCU that is programmed to pair with the lock. The RCU can be programmed for one or multiple locks and has a minimum effective range of 75 feet. The 75 foot distance is not affected by walls or barriers. With a simple press of the button on the RCU the lock will be locked down and a LED will flash indicating a lockdown is in progress. The RCU is normally controlled by a designated individual, usually a teacher, and they are responsible for lockdown in the event of an emergency.

The lock is always able to be opened from the inside to allow for exit or evacuation at any time. During lockdown an entry card may be used to gain access to the room if necessary. The RCU will not cancel lockdowns, a Lockdown Cancel Keycard is used to cancel the lockdown mode. The locking system is operated by batteries and not affected by external electrical power outages.

Overall the RFID lock system is a secure, safe, practical and simple method to ensure the safety of the occupants in the room, especially children.

Features

- Standalone RFID cylindrical lock with classroom lockdown feature
- Ideal for school safety programs
- Easy programming of multiple locks
- Extended two years battery life, with low battery warning
- Easy firmware upgrade
- Non-volatile memory (setting is not deleted even if power off)
- Mechanical key override
- Encrypted keycard, 8-bit Universal Identification (UID)
- Mifare technology with NFC tag
- Tamper resistant mounting screws
- Vandal Resistant RFID reader
- Heavy duty Grade 1 cylindrical lockset

Electronic Specifications

- Application: For classroom lockdown, full indoor and outdoor
- Capacity of User/Office keycards per Lock: 250
- Capacity of RCU per Lock: 120
- Credential verification time: Less than 0.5 second
- Keycard maximum read/write distance: $\frac{3}{4}$ "
- RCU minimum working distance: 75 feet
- Communication: Multi-colored LED indicator and sound
- Power supply: 4AA battery
- Battery life: Up to 2 years
- Operating temperature: -31° to 151° F (-35° to 66°C)

FCE-4000

CYLINDRICAL WITH RFID TECHNOLOGY



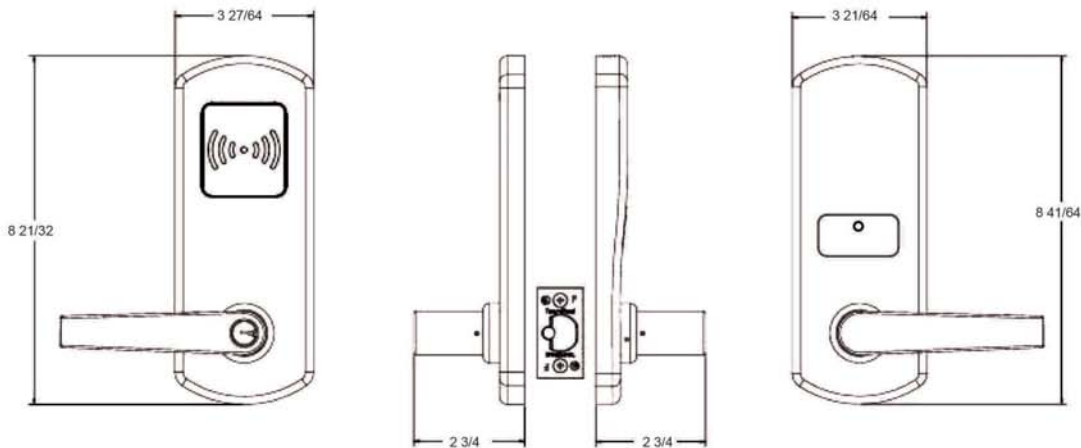
Mechanical Specifications

Door Thickness	1-3/4"-2"
Backset	2-3/4" standard, 5" optional
Clutched trim	Available
Latch bolt	Stainless Steel, deadlocking, 1/2" throw
Faceplate	1-1/8" x 2-1/4"
Strike	ASA Strike standard, 1-1/4" X 4-7/8"
Escutcheon	Steel or zinc alloy
Lever	Zinc or stainless steel
Lever Style	Sentinel (S), Quest (Q) and Gala (G)
Cylinder	- 6 pin Schlage® C Keyway, standard - Small Format IC with or without core available, 6 or 7 pin core, Best® "A" keyway - Schlage® Large Format IC less core available - Corbin® Large Format IC less core available, for 6 pin core - High Security Cylinder available, 6 pin, TownSteel "L" keyway - High Security SFIC Core available, 7 pin, TownSteel "L" keyway
Keying	KD standard, KA, MK, GMK, GGMK and construction available
Finish	US26D and US10B stocked, other upon request
Warranty	1-year limited for electronic, 5-year limited for finish, 10-year limited for mechanical

Code Compliance

ANSI/BHMA A156.2	A156.2-2011 Grade 1 Certified
ANSI/BHMA A156.25	Meets or exceeds all applicable requirements
UL/ULC	UL 10C 3-hour rated
BAA	Meets guidelines of the Buy American Act
ADA	Meets requirements of the Americans with Disabilities Act
RoHS	Meets requirements of EU RoHS Directive 2002/95/EC
FCC	FCC part 15 certified

Profile



How to order

FCE		-	-	-	-	-
Series:						
FCE-4010	Rigid					
FCE-4020	Clutched					
FCE-4030	Rigid, High Security					
FCE-4040	Clutched, High Security					
Lever Style:						
S	Sentinel					
Q	Quest					
G	Gala					
Backset						
2-3/4"						
5"						
Finishes:						
US26D	Satin Chrome					
US10B	Powder Coat					
Keying						
Specify when ordering						

XCE-9000

CYLINDRICAL WITH KEYPAD



Introduction

The XCE 9000 is a Standalone Electronic Classroom Security function lock that provides a remote lockdown along with the security afforded by using a grade 1 heavy duty cylindrical lockset.

Lockdown is accomplished using a Remote Control Unit (RCU) that is paired with one or more locks within the RCU's 75 foot range. The RCU is specific to the paired lock or locks. With a simple push of the RCU button the lock is secured against unauthorized outside entry. Lockdown is further indicated by red LEDs on both inside and outside portions of the lock that signify a lockdown is in progress. The RCU is normally controlled by a teacher or other designated individual that is granted responsibility for the room. The RCU will be carried at all times by the designated individual of the room, much like any other small piece of security or safety equipment.

The room will remain in lockdown until a lockdown cancellation code is entered from outside. The lock is always able to be opened from the inside to allow for a safe evacuation when necessary. During lockdown, a user code, office code or key override may be used to gain access to the room. The locking system is operated by batteries and is not affected by power outages. Overall the system is a secure, safe, practical and simple method to ensure the safety of the room and especially children.

Features

- Standalone electronic classroom intruder function
- Remote control unit (RCU) for lockdown
- Mechanical key override
- Inside and outside red LED lockdown indicators
- Lockdown cancellation code releases lockdown mode
- Heavy duty Grade 1 cylindrical lockset

Electronic Specifications

- Application: For classroom lockdown, full indoor and outdoor
- User/Office code capacity per lock : 90
- Emergency code capacity per lock: 9
- RCU verification time: less than 1 second
- Communication: Multi-colored LEDs and Sound
- Power supply: 4AA battery
- Battery life: Up to 2 years
- Operating temperature: -31° to 151° F (-35° to 66°C)
- Certifications: FCC Part 15, UL 10C, ANSI/BHMA A156.2



Mechanical Specifications

Door Thickness	1-3/4"-2"
Backset	2-3/4" standard, 5" optional
Strike	ASA Strike standard, 1-1/4" X 4-7/8"
Latch bolt	Stainless Steel, deadlocking, 1/2" projection
Faceplate	1-1/8" x 2-1/4"
Escutcheon	Steel or zinc alloy
Lever	Zinc or stainless steel
Lever Style	Sentinel (S), Quest (Q) and Gala(G)
Cylinder	- 6 pin Schlage® C Keyway, standard - Small Format IC with or without core available, 6 or 7 pin core, Best® "A" keyway - Schlage® Large Format IC less core available - Corbin® Large Format IC less core available, for 6 pin core - High Security Cylinder available, 6 pin, TownSteel "L" keyway - High Security SFIC Core available, 7 pin, TownSteel "L" keyway
Keying	KD standard, KA, MK, GMK, GGMK and construction available
Stock Finish	US26D and US10B, other upon request.

Code Compliance

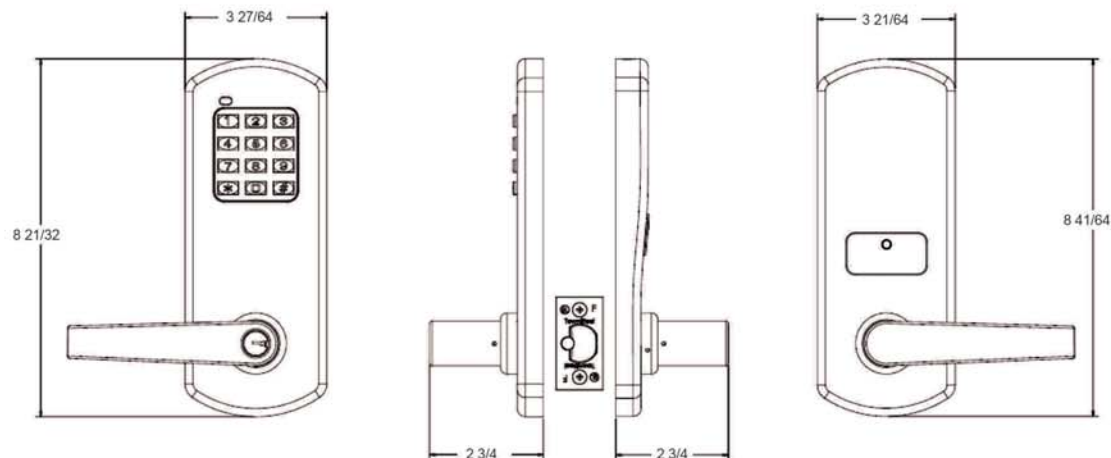
ANSI/BHMA A156.2	A156.2-2011 Grade 1 Certified
ANSI/BHMA A156.25	Meets or exceeds all applicable requirements
UL/ULC	UL 10C 3-hour rated
BAA	Meets guidelines of the Buy American Act
ADA	Meets requirements of the Americans with Disabilities Act
RoHS	Meets requirements of EU RoHS Directive 2002/95/EC
FCC	FCC part 15 certified

XCE-9000

CYLINDRICAL WITH KEYPAD



Profile



How to order

XCE - - - - -

Series:

- XCE-9010 Rigid
- XCE-9020 Clutched
- XCE-9030 Rigid, High Security
- XCE-9040 Clutched, High Security

Lever Style:

- S Sentinel
- Q Quest
- G Gala

Backset

- 2-3/4"
- 5"

Finishes:

- US26D Satin Chrome
- US10B Powder Coat

Keying

Specify when ordering

Introduction

The FME4000 is a standalone electronic function lock that provides a RFID technology with the security afforded by using grade 1 heavy duty mortise lockset. RFID technology simplifying the management of the system provides ease of use. Maximum keycard capacity includes 250 office keycards and user keycards, and 120 Remote Control Units per lock. Programming is quick and easy.

Lockdown feature is accomplished using a Remote Control Unit (RCU) that is programmed to one or more locks with the RCU's 75 feet range. The RCU is specific to the paired lock or locks. With a simple push of the lock that will signify a lockdown is in progress. The RCU is normally controlled by a teacher or other designated individual that is responsible for the room lockdown in the event of emergency. The RCU will be carried at all times by the designated individual of the room.

The lock is always able to be opened from the inside to allow for a safe evacuation when necessary. During lockdown, an office keycard, user keycard, or key override may be used to gain access to the room if necessary. A lockdown cancellation keycard may be used to release lockdown mode. The locking system is operated by batteries and is not affected by power outages. Overall the system is a secure, safe, practical and simple method to ensure the safety of the room and especially children.

Features

- Standalone RFID cylindrical lock with classroom lockdown feature
- Ideal for school safety programs
- Easy programming of multiple locks
- Extended two years battery life, with low battery warning
- Easy firmware upgrade
- Non-volatile memory (setting is not deleted even if power off)
- Mechanical key override
- Encrypted keycard, 8-bit Universal Identification (UID)
- Mifare technology with NFC tag
- Tamper resistant mounting screws
- Vandal Resistant RFID reader
- Heavy duty Grade 1 cylindrical lockset

Electronic Specifications

- Application: For classroom lockdown, full indoor and outdoor
- Capacity of User/Office keycards per Lock: 250
- Capacity of RCU per Lock: 120
- Credential verification time: Less than 0.5 second
- Keycard maximum read/write distance: $\frac{3}{4}$ "
- RCU minimum working distance: 75 feet
- Communication: Multi-colored LED indicator and sound
- Power supply: 4AA battery
- Battery life: Up to 2 years
- Operating temperature: -31° to 151° F (-35° to 66°C)

FME-4000

MORTISE WITH RFID TECHNOLOGY



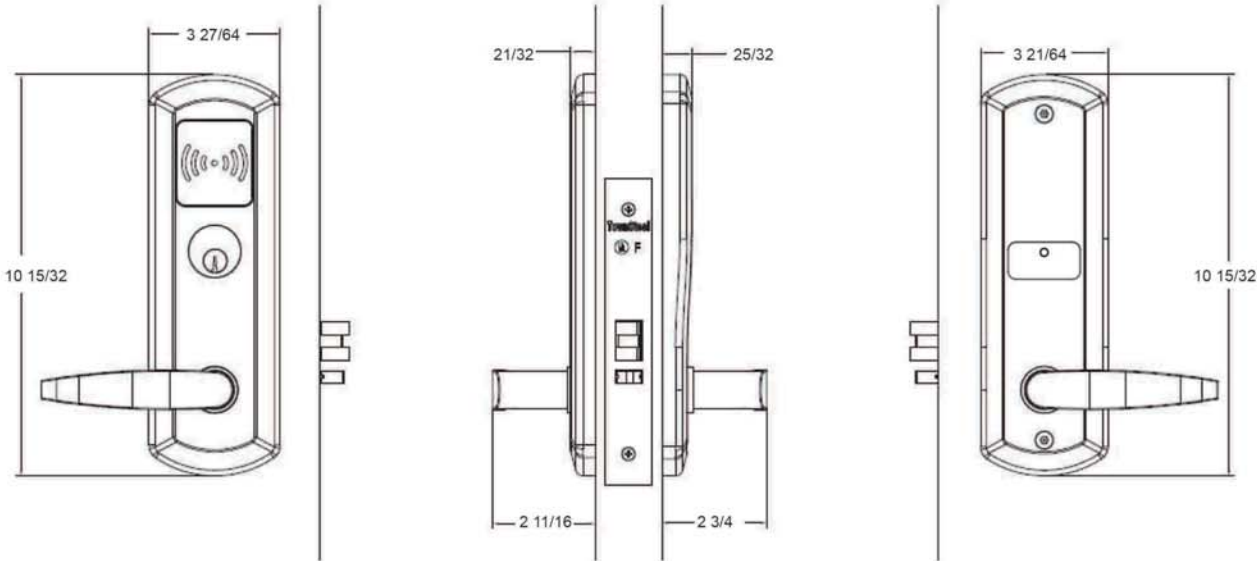
Mechanical Specifications

Door Thickness	1-3/4" standard, others upon request
Backset	2-3/4"
Clutched trim	Available
Latch bolt	Stainless Steel, split, anti-friction, 3/4" projection
Guard bolt	Stainless Steel
Faceplate	Stainless Steel, 1-1/8" x 8"
Strike	ASA Strike standard, 1-1/4" X 4-7/8"
Escutcheon	Steel or zinc alloy
Lever	Forged brass or zinc
Lever Style	Sentinel (S), Quest (Q) and Gala(G), designer lever styles upon request
Cylinder	- 6 pin Schlage® "C" Keyway, standard - Small Format IC with or without core available, 6 or 7 pin core, Best® "A" keyway - Schlage® Large Format IC less core available - Corbin® Large Format IC less core available, for 6 pin core - High Security Cylinder available, 6 pin, TownSteel "L" keyway - High Security SFIC Core available, 7 pin, TownSteel "L" keyway
Keying	KD standard, KA, MK, GMK, GGMK and construction available
Finish	US26D and US10B stocked, other upon request
Warranty	1-year limited for electronic, 5-year limited for finish, 10-year limited for mechanical

Code Compliance

ANSI/BHMA A156.13	A156.13-2005 Grade 1 Certified
ANSI/BHMA A156.25	Meets or exceeds all applicable requirements
UL/ULC	UL 10C 3-hour rated
BAA	Meets guidelines of the Buy American Act
ADA	Meets requirements of the Americans with Disabilities Act
RoHS	Meets requirements of EU RoHS Directive 2002/95/EC
FCC	FCC part 15 certified

Profile



How to order

FME - - - -

Series:	
FME-4010	Rigid
FME-4020	Clutched
FME-4030	Rigid, High Security
FME-4040	Clutched, High Security
Lever Style:	
S	Sentinel
Q	Quest
G	Gala
Finishes:	
US26D	Satin Chrome
US10B	Powder Coat
Keying	
Specify when ordering	

XME-9000

MORTISE WITH KEYPAD



Introduction

The XME 9000 is a Standalone Electronic Classroom Security function lock that provides a remote lockdown along with the security afforded by using a grade 1 heavy duty mortise lockset.

Lockdown is accomplished using a Remote Control Unit (RCU) that is paired with one or more locks within the RCU's 75 foot range. The RCU is specific to the paired lock or locks. With a simple push of the RCU button the lock is secured against unauthorized outside entry. Lockdown is further indicated by red LEDs on both inside and outside portions of the lock that signify a lockdown is in progress. The RCU is normally controlled by a teacher or other designated individual that is granted responsibility for the room. The RCU will be carried at all times by the designated individual of the room, much like any other small piece of security or safety equipment.

The room will remain in lockdown until a lockdown cancellation code is entered from outside. The lock is always able to be opened from the inside to allow for a safe evacuation when necessary. During lockdown, a user code, office code or key override may be used to gain access to the room. The locking system is operated by batteries and is not affected by power outages. Overall the system is a secure, safe, practical and simple method to ensure the safety of the room and especially children.

Features

- Standalone electronic classroom intruder function
- Remote control unit (RCU) for lockdown
- Mechanical key override
- Inside and outside red LED lockdown indicators
- Lockdown cancellation code releases lockdown mode
- Heavy duty Grade 1 cylindrical lockset

Electronic Specifications

- Application: For classroom lockdown, full indoor and outdoor
- User/Office code capacity per lock : 90
- Emergency code capacity per lock: 9
- RCU verification time: less than 1 second
- Communication: Multi-colored LEDs and Sound
- Power supply: 4AA battery
- Battery life: Up to 2 years
- Operating temperature: -31° to 151° F (-35° to 66°C)
- Certifications: FCC Part 15, UL 10C, ANSI/BHMA A156.13



Mechanical Specifications

Door Thickness	1-3/4" standard, other upon request
Backset	2-3/4"
Strike	ASA Strike standard, 1-1/4" X 4-7/8"
Latch bolt	Stainless Steel, split, anti-friction, 3/4" projection
Guard bolt	Stainless Steel
Faceplate	Stainless Steel, 1-1/8" x 8"
Strike	ASA Strike, 1-1/4" X 4-7/8"
Escutcheon	Steel or zinc alloy
Lever	Forged brass or zinc
Lever Style	Sentinel (S), Quest (Q) and Gala(G), designer lever styles upon request
Cylinder	- 6 pin Schlage® "C" Keyway, standard - Small Format IC with or without core available, 6 or 7 pin core, Best® "A" keyway - Schlage® Large Format IC less core available - Corbin® Large Format IC less core available, for 6 pin core - High Security Cylinder available, 6 pin, TownSteel "L" keyway - High Security SFIC Core available, 7 pin, TownSteel "L" keyway
Keying	KD standard, KA, MK, GMK, GGMK and construction available
Finish	US26D and US10B stocked, other upon request
Warranty	1-year limited for electronic, 5-year limited for finish, 10-year limited for mechanical

Code Compliance

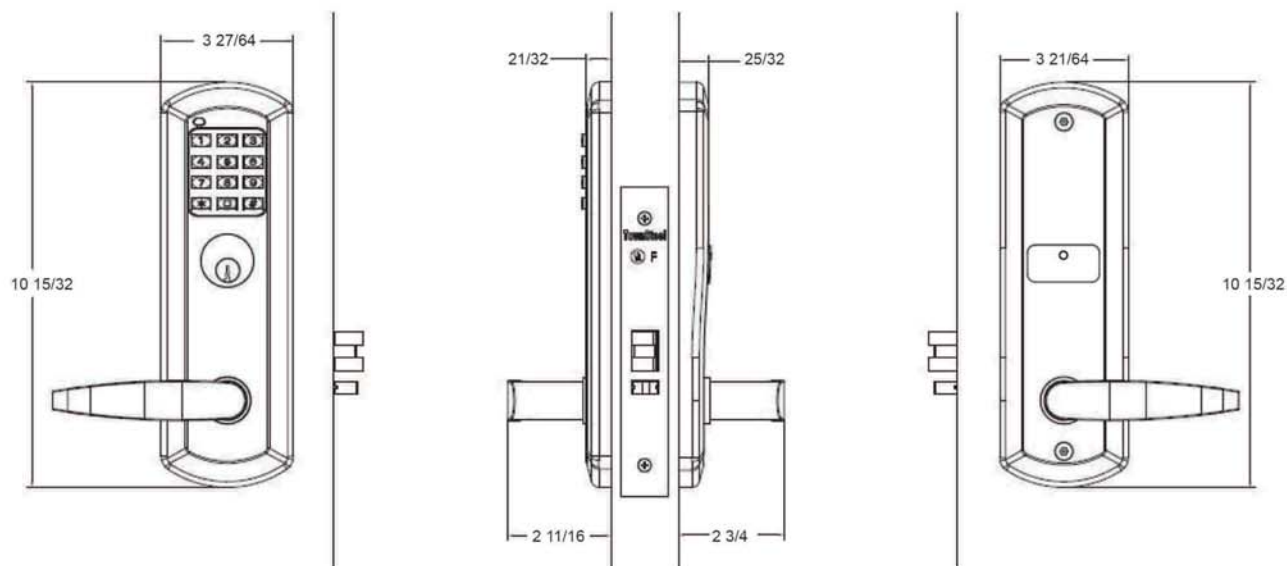
ANSI/BHMA A156.13	A156.13-2005 Grade 1 Certified
ANSI/BHMA A156.25	Meets or exceeds all applicable requirements
UL/ULC	UL 10C 3-hour rated
BAA	Meets guidelines of the Buy American Act
ADA	Meets requirements of the Americans with Disabilities Act
RoHS	Meets requirements of EU RoHS Directive 2002/95/EC
FCC	FCC part 15 certified

XME-9000

MORTISE WITH KEYPAD



Profile



How to order

XME - - -

Series:

- XME-9010 Rigid
- XME-9020 Clutched
- XME-9030 Rigid, High Security
- XME-9040 Clutched, High Security

Lever Style:

- S Sentinel
- Q Quest
- G Gala

Finishes:

- US26D Satin Chrome
- US10B Powder Coat

Keying

Specify when ordering

Classroom Lockdown

TownSteel Inc.

17901 Railroad Street | City of Industry, CA 91748
Toll Free: 877-858-0888 | Tel: 626-965-8917 | Fax: 626-965-8919
www.townsteel.com



2000 Series Electronic Lockset



XCE-2000



XME-2000



FCE-2000



FME-2000

PRODUCT INFORMATION

2000 Series standalone locks are designed for commercial and high-end residential, and for retrofit and new applications. They offer a cost-effective way to upgrade from traditional mechanical locking devices. They allow you to easily add and delete users - all without installing a facility-wide network. This gives you more control and allows you to manage your system more effectively than with a traditional mechanical system. For specific product information, or to find out more about the company, visit www.townsteel.com or call TownSteel Customer Service at 1-877-858-0888

CATALOG

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XCE-2000

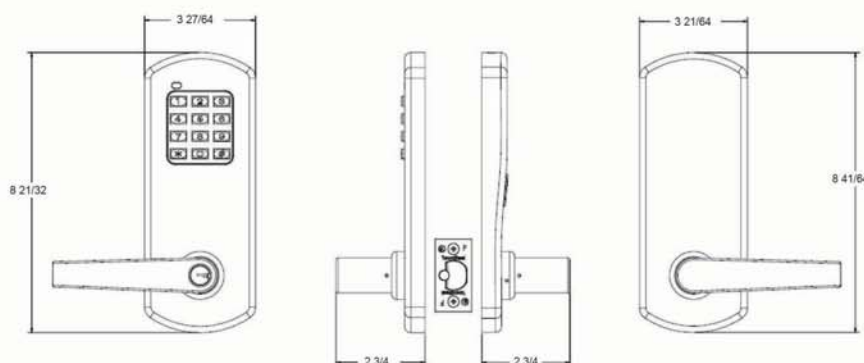
Grade 1 Electronic Cylindrical Lockset with Keypad

Overview

The XCE-2000 is a standalone electronic function lock that provides keypad technology integrated with an ANSI Grade 1 heavy duty cylindrical lockset for greater security. Keypad technology simplifies the management of the system and provides ease of use. Maximum code capacity includes 1 master code, 10 manager codes, 90 user codes and 5 service codes. The XCE-2000 provides two remote control terminals; one for a fire alarm system and the other for remote release by push button. The XCE 2000 is quick and easy to program.

Features

- Digital keypad cylindrical lock
- Use keypad to lock or unlock outside lever
- Mechanical key override
- Heavy duty Grade 1 cylindrical chassis
- Both clutched and rigid lever trim available
- Various cylinder and keying options
- Easy installation, easy programming



Electronic Specifications

Application	Full indoor and outdoor
User codes	Up to 90
Communication	Multi-colored LED and Sound
Power supply	4AA battery
Battery life	Up to 2yrs
Operating temperature	-31° to 151°F (-35° to 66°C)
Certifications	FCC Part 15, UL 10C, A156.2

Mechanical Specifications

Chassis	A156.2 certified grade 1 cylindrical
Handing	Non-handed
Door thickness	1-3/4"-2"
Backset	2-3/4" standard, 5" optional
Latch bolt	Self-adjustable, Stainless steel, 1/2" throw, dead-locking
Faceplate	Stainless steel, 1-1/8" X 2-1/4"
Escutcheon	Wrought steel or zinc alloy, plated to match finish symbols
Levers	Cast zinc or stainless steel, plated to match finish symbols

XCE-2000

Grade 1 Electronic Cylindrical Lockset with Keypad



Lever Style	Sentinel(S), Quest(Q) and Gala(G)
Clutching	Available
Strike	ASA strike, 1-1/4" X 4-7/8", steel plated to match finish symbols
Cylinder and keys	6 pin brass, schlage "C" keyway standard, 2 brass keys per cylinder
SFIC	Small format IC available, 6 or 7 pin, Best "A" keyway
Schlage® LFIC	Schlage® Large Format I.C. less core available
Corbin® LFIC	Corbin® Large Format I.C. less core available, for 6 pin core
High Security Cylinder	Available, TownSteel "L" Keyway, Regular 6 pin, SFIC 7 pin
Finish	US26D and US10B stock finishes, other upon request
Warranty	1 year limited for electronic, 10 year limited for mechanical, 5 year limited for finish

Code Compliance

- ANSI/BHMA A156.2: Chassis A156.2-2011 Certified
- ANSI/BHMA A156.25: Meets or exceeds all applicable requirements
- UL/ULC: UL10C 3-hour rated
- BAA: Meets guidelines of the Buy American Act
- ADA: Meets requirements of the Americans with Disabilities Act
- RoHS: Meets requirements of EU RoHS Directive 2002/95/EC
- FCC: FCC part 15 certified



How to order

Series	Lever Style	Backset	Finish	Keying/Cylinder
XCE-2010: Cylindrical, Keypad, Rigid XCE-2020: Cylindrical, Keypad, Clutched XCE-2030: Cylindrical, Keypad, High Security Cylinder, Rigid XCE-2040: Cylindrical, Keypad, High Security Cylinder, Clutched	S: Sentinel Q: Quest G: Gala	2-3/4" 5"	US26D: Satin Chrome US10B: Powder Coat	Specify when ordering
Example: XCE-2010 - S - 2-3/4 - US26D XCE-2010: Cylindrical, Keypad, Rigid S: Sentinel Lever 2-3/4": 2-3/4" Backset US26D: Satin Chrome				

FCE-2000

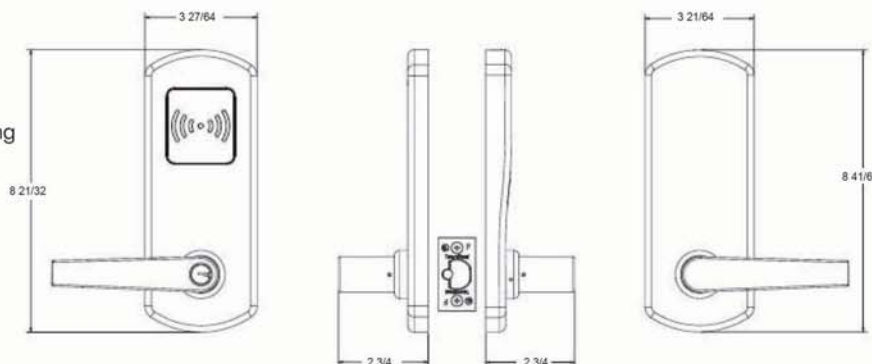
Grade 1 Cylindrical Lockset with RFID Technology

Overview

The FCE-2000 is a standalone electronic function lock that provides RFID (Radio-Frequency Identification) technology integrated with an ANSI Grade 1 heavy duty cylindrical lockset for greater security. RFID technology simplifies the management of the system and provides ease of use. Maximum keycard capacity includes 1 program keycard, 1 clear keycard, 1 register keycard, and 250 user and office keycards. The FCE 2000 is quick and easy to program.

Features

- Heavy duty standalone RFID cylindrical lock
- Easy programming of multiple locks
- Extended two years battery life, with low battery warning
- Easy firmware update
- Non-volatile memory
(Setting is not deleted even if power off)
- Mechanical key override
- Encrypted keycard
- Mifare technology with NFC tag
- Tamper resistant mounting screws
- Vandal resistant RFID reader



Electronic Specifications

Application	Full indoor and outdoor
Users	Up to 250
Keycard verification time	Less than 0.5 second
Keycard maximum working distance	3/4"
Communication	Multi-colored LED and Sound
Power supply	4AA battery
Battery life	Up to 2yrs
Operating temperature	-31° to 151°F (-35° to 66°C)
Certifications	FCC Part 15, UL 10C, A156.2
Keycard	2 User and 1 Office keycards standard
Program Pack	One each Program, Clear and Register keycard standard

Mechanical Specifications

Chassis	A156.2 certified grade 1 cylindrical
Handing	Non-handed
Door thickness	1-3/4"-2"
Backset	2-3/4" standard, 5" optional
Latch bolt	Self-adjustable, Stainless steel, 1/2" throw, dead-locking
Faceplate	Stainless steel, 1-1/8" X 2-1/4"
Escutcheon	Wrought steel or zinc alloy,, plated to match finish symbols
Levers	Cast zinc or stainless steel, plated to match finish symbols



FCE-2000



Grade 1 Cylindrical Lockset with RFID Technology



Lever Style	Sentinel(S), Quest(Q) and Gala(G)
Clutching	Available
Strike	ASA strike, 1-1/4" X 4-7/8", steel plated to match finish symbols
Cylinder and keys	6 pin brass, schlage "C" keyway standard, 2 brass keys per each cylinder
SFIC	Small format IC available, 6 or 7 pin, Best "A" keyway available
Schlage® LFIC	Schlage® Large format IC less core available
Corbin® LFIC	Corbin® Large format IC less core available, for 6 pin core
High Security Cylinder	Available, TownSteel "L" keyway, Regular 6 pin, SFIC 7 pin
Finish	US26D and US10B stock finishes, other finishes upon request
Warranty	1 year limited for electronic, 10 year limited for mechanical, 5 year limited for finish

Code Compliance

- ANSI/BHMA A156.2: Chassis A156.2-2011 Grade 1 certified
- ANSI/BHMA A156.25: Meets or exceeds applicable requirements
- UL/ULC: UL10C 3-hour rated
- BAA: Meets guidelines of the Buy American Act
- ADA: Meets requirements of the Americans with Disabilities Act
- RoHS: Meets requirements of EU RoHS Directive 2002/95/EC
- FCC: FCC part 15 certified



How to order

Series	Lever Style	Backset	Finish	Keying/Cylinder
FCE-2010: Cylindrical, RFID, Rigid FCE-2020: Cylindrical, RFID, Clutched FCE-2030: Cylindrical, RFID, High Security Cylinder, Rigid FCE-2040: Cylindrical, RFID, High Security Cylinder, Clutched	S: Sentinel Q: Quest G: Gala	2-3/4" 5"	US26D: Satin Chrome US10B: Powder Coat	Specify when ordering
Example: FCE - 2010 - S - 2-3/4 - US26D FCE-2010: Mortise, Keypad, Rigid _____ S: Sentinel Lever _____ 2-3/4" : 2-3/4 backset _____ US26D: Satin Chrome _____				

XME-2000

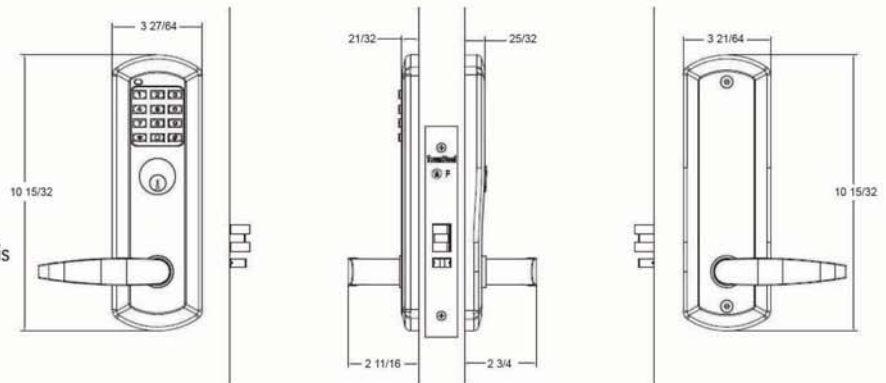
Grade 1 Electronic Mortise Lockset with Keypad

Overview

The XME-2000 is a standalone electronic function lock that provides keypad technology integrated with an ANSI Grade 1 heavy duty mortise lockset for greater security. Keypad technology simplifies the management of the system and provides ease of use. Maximum code capacity includes 1 master code, 10 manager codes, 90 user codes and 5 service codes. The XME-2000 provides two remote control terminals; One for a fire alarm system and the other for remote release by push button. The XME 2000 is quick and easy to program.

Features:

- Digital keypad mortise lock
- Use keypad to lock or unlock outside lever
- Mechanical key override
- Both clutched and rigid lever trim available
- ANSI/BHMA Certified heavy duty Grade 1 mortise chassis
- Various cylinder and keying options
- Easy installation, easy programming



Electronic Specifications

Application	Full indoor and outdoor
User codes	Up to 90
Communication	Multi-colored LED and Sound
Power supply	4AA battery
Battery life	Up to 2yrs
Operating temperature	-31° to 151°F (-35° to 66°C)
Certifications	FCC Part 15, UL 10C, A156.13



Without Deadbolt, Outside



Without Deadbolt, Inside

Mechanical Specifications

Chassis	A156.13 certified grade 1 mortise
Handing	Handed, easy field reversible
Door thickness	1-3/4" standard, other upon request
Backset	2-3/4"
Latch bolt	Stainless steel, anti-friction split, 3/4" throw
Faceplate	1-1/8" X 8" standard, 1-1/16" x 8" narrow style available
Escutcheon	Wrought steel or zinc alloy, plated to match finish symbols
Levers	Forged brass or cast zinc, plated to match finish symbols
Lever Style	Sentinel (S), Quest (Q) and Gala (G). Designer lever styles upon request



With Deadbolt, Outside



With Deadbolt Inside

XME-2000



Grade 1 Electronic Mortise Lockset with Keypad

Strike	ANSI strike, 1-1/4" X 4-7/8", steel plated to match finish symbols
Lead line	Available
Clutching	Available
Cylinder and keys	6 pin brass, schlage "C" keyway standard, 2 brass keys per cylinder
SFIC	Small format IC available, 6 or 7 pin, Best "A" keyway
Schlage® LFIC	Schlage® Large format IC housing available
Corbin® LFIC	Corbin® Large format IC housing available, for 6 pin core
High Security Cylinder	Available, TownSteel "L" keyway, Regular 6 pin, SFIC 7 pin
Finish	US26D and US10B stocked finish, other finishes upon request
Warranty	1 year limited for electronic, 10 year limited for mechanical, 5 year limited for finish

Code Compliance

- ANSI/BHMA A156.13: Chassis A156.13-2005 Grade 1 certified
- ANSI/BHMA A156.25: Meets or exceeds all applicable requirements
- UL/ULC: UL10C 3-hour rated
- BAA: Meets guidelines of the Buy American Act
- ADA: Meets requirements of the Americans with Disabilities Act
- RoHS: Meets requirements of EU RoHS Directive 2002/95/EC
- FCC: FCC part 15 certified



How to order

Series	Lever Style	Finish	Keying/Cylinder
XME-2010: Mortise, Keypad, Rigid XME-2020: Mortise, Keypad, Clutched XME-2030: Mortise, Keypad, High Security Cylinder, Rigid XME-2040: Mortise, Keypad, High Security Cylinder, Clutched XME-2050: Mortise, Keypad, Rigid, With Deadbolt XME-2060: Mortise, Keypad, Clutched, With Deadbolt XME-2070: Mortise, Keypad, High Security Cylinder, Rigid, With Deadbolt XME-2080: Mortise, Keypad, High Security Cylinder, Clutched, With Deadbolt	S: Sentinel Q: Quest G: Gala	US26D: Satin Chrome US10B: Powder Coat	Specify when ordering

Example:

XME-2010: Mortise, Keypad, Rigid ————— XME-2010 - S - US26D
 S: Sentinel Lever —————
 US26D: Satin Chrome —————

FME-2000

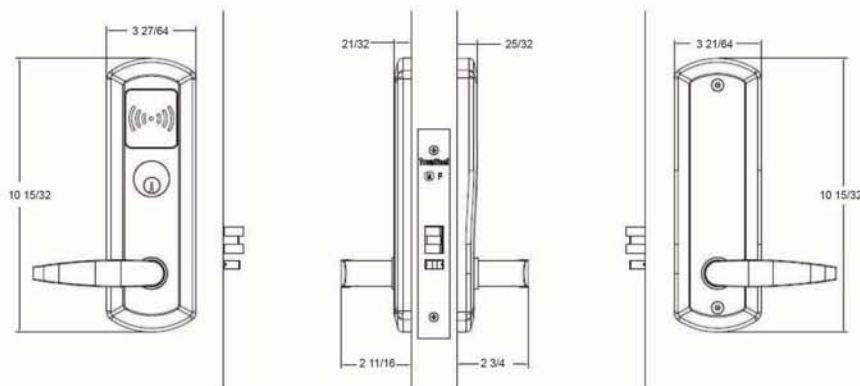
Grade 1 Mortise Lockset with RFID Technology

Overview

The FME-2000 is a standalone electronic function lock that provides RFID (Radio-Frequency Identification) technology integrated with an ANSI Grade 1 heavy duty mortise lockset for greater security. RFID technology simplifies the management of the system and provides ease of use. Maximum keycard capacity includes 1 program keycard, 1 clear keycard, 1 register keycard, and 250 user and office keycards. The FME-2000 is quick and easy to program.

Features

- Heavy duty standalone RFID mortise lock
- Easy programming of multiple locks
- Extended two years battery life, with low battery warning
- Easy firmware update
- Non-volatile memory
(Setting is not deleted even if power off)
- Mechanical key override
- Encrypted keycard
- Mifare technology with NFC tag
- Tamper resistant mounting screws
- Vandal resistant RFID reader



Electronic Specifications

Application	Full indoor and outdoor
User keycards	Up to 250
Keycard verification time	less than 0.5 second
Keycard maximum working distance	3/4"
Communication	Multi-colored LED and Sound
Power supply	4AA battery
Battery life	Up to 2yrs
Operating temperature-exterior	-31° to 151°F (-35° to 66°C)
Certifications	FCC Part 15, UL 10C, A156.13
Keycard	2 User and 1 Office keycards standard
Program Pack	One each Program, Clear and Register keycard standard



Without Deadbolt, Outside Without Deadbolt Inside



With Deadbolt Outside With Deadbolt Inside

Mechanical Specifications

Chassis	A156.13 certified grade 1 mortise
Handing	Handed, easy field reversible
Door thickness	1-3/4" standard, others upon request
Backset	2-3/4"
Latch bolt	Stainless steel, anti-friction split, 3/4" throw
Faceplate	1-1/8" X 8" standard, 1-1/16" x 8" narrow style available
Escutcheon	Wrought steel or zinc alloy, plated to match finish symbols
Levers	Forged brass or cast zinc, plated to match finish symbols
Lever Style	Sentinel (S), Quest (Q) and Gala (G). Designer lever upon request
Strike	ANSI strike, 1-1/4" X 4-7/8", stainless steel or steel plated to match finish symbol

FME-2000



Grade 1 Mortise Lockset with RFID Technology



Lead line	Available
Clutching	Available
Cylinder and keys	6 pin brass, schlage "C" keyway standard, 2 brass keys per each cylinder
SFIC	Small format IC available, 6 or 7 pin, Best "A" keyway
Schlage® LFIC	Schlage® Large Format I.C. housing available
Corbin® LFIC	Corbin® Large Format I.C. housing available, for 6pin core
High Security Cylinder	Available, TownSteel "L" keyway, Regular 6 pin, SFIC 7 pin
Finish	US26D and US10B stock finishes, other upon request
Warranty	1 year limited for electronic, 10 year limited for mechanical, 5 year limited for finish

Code Compliance

- ANSI/BHMA A156.13: Chassis A156.13-2005 Grade 1 certified
- ANSI/BHMA A156.25: Meets or exceeds applicable requirements
- UL/ULC: UL10C 3-hour rated
- BAA: Meets guidelines of the Buy American Act
- ADA: Meets requirements of the Americans with Disabilities Act
- RoHS: Meets requirements of EU RoHS Directive 2002/95/EC
- FCC: FCC part 15 certified



How to order

Series	Lever Style	Finish	Keying/Cylinder
FME-2010: Mortise RFID, Rigid FME-2020: Mortise RFID, Clutched FME-2030: Mortise RFID, High Security Cylinder, Rigid FME-2040: Mortise RFID, High Security Cylinder, Clutched FME-2050: Mortise RFID, Rigid, With Deadbolt FME-2060: Mortise RFID, Clutched, With Deadbolt FME-2070: Mortise RFID, High Security Cylinder, Rigid, With Deadbolt FME-2080: Mortise RFID, High Security Cylinder, Clutched, With Deadbolt	S: Sentinel Q: Quest G: Gala	US26D: Satin Chrome US10B: Powder Coat	Specify when ordering
Example: FME-2010 - S - US26D FME-2010: Mortise, RFID, Rigid S: Sentinel Lever US26D: Satin Chrome			



TownSteel Inc.

17901 Railroad Street, City of Industry, CA 91748

Toll Free: (877) 858-0888

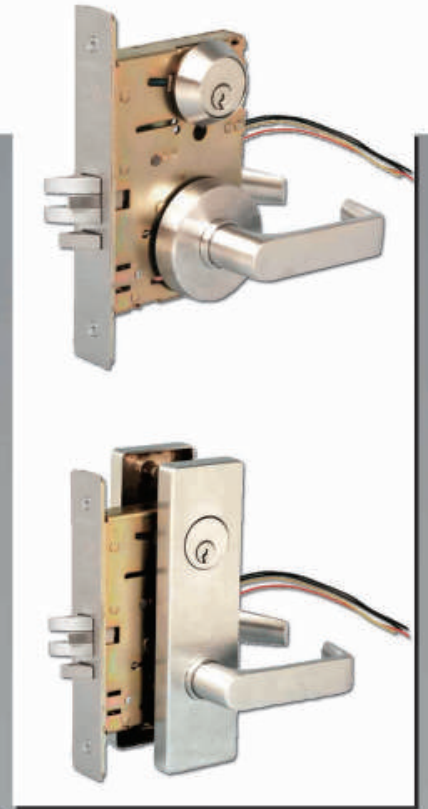
Tel: (626) 965-8917

Fax: (626) 965-8919

sales@townsteel.com

www.townsteel.com

ELECTRIFIED MORTISE LOCK



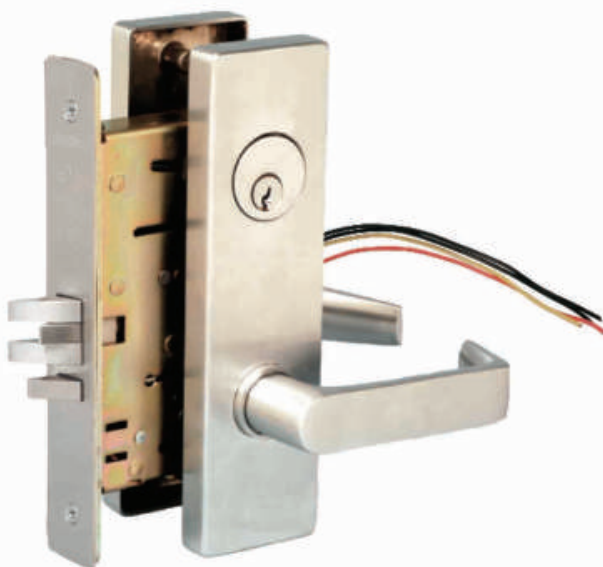
• MS COMMERCIAL • ELECTRIFIED MORTISE LOCK • www.townsteel.com

MS COMMERCIAL
ELECTRIFIED MORTISE

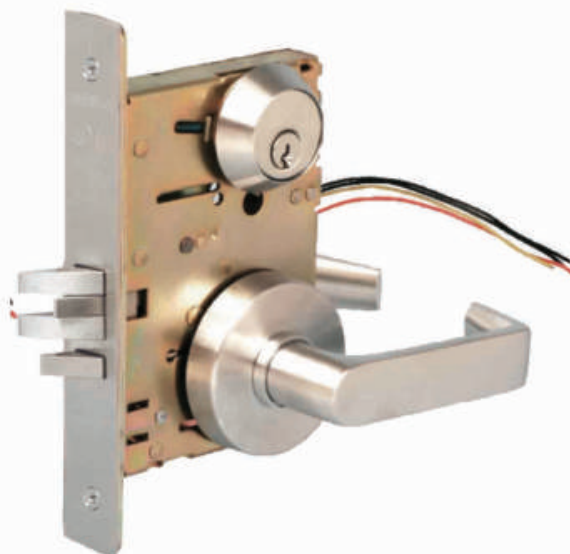
LOCK

Electrified Mortise Lock

TownSteel Electrified Mortise Locks are designed to handle single opening, stand alone applications, or can be readily integrated into sophisticated access control systems. They meet ANSI A156.13 Grade 1 requirements, and are UL listed.



MSE



MSS

Note: Available with I.C and security cylinder

Available Levers



ANSI/BHMA CERTIFIED GRADE 1 MORTISE LOCKSET
UL & ULC LISTED 3-HOUR FIRE RATING



MS COMMERCIAL LOCKS

Electrified Mortise Lock

Features

- 24VDC or 12VDC voltage
- Handing field reversible
- 3 Monitoring capabilities
 - UL listed 3-hour fire rating
 - Meets or exceeds ANSI grade 1 standards
- For new or retrofit applications
- Heavy-duty mortise lock
- Forged brass or stainless steel escutcheon
- 7 Solid-touch grip levers and knob to choose from
 - Levers made of forged brass or stainless steel
 - Grade 1 knob with steel insert
- Easy installation, easy servicing

Available Finishes

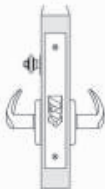
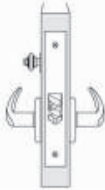
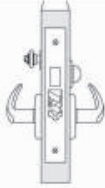
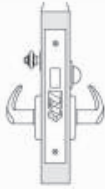
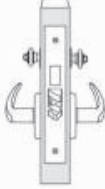
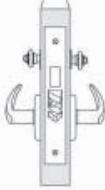
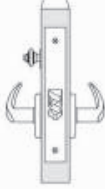
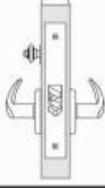
US3(605)	US4(606)	US10(612)	US10B(613)	US26(625)	US26D(626)	US32(629)	US32D(630)
Bright Brass	Satin Brass	Satin Bronze	Oil Rubbed Bronze	Bright Chrome	Satin Chrome	Bright SST	Satin SST

How To Order

1.Trim	MSS (Sectional), MSE (Escutcheon)				Order # Example: <u>MSS-122DC-S-626-LH</u> 1. Sectional Regular—————MSS 2. Function—————122DC 3. Sentinel Lever—————S 4. Satin Chrome—————626 5. Left Handed—————LH
2.Function	Please refer to function sheet				
3.Lever	Please refer to lever listing				
4.Finish	Please refer to finish listing				
5.Handing	RH	LH	RHR	LHR	

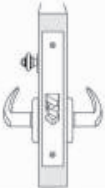
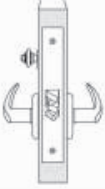
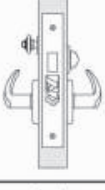
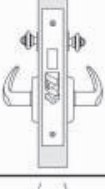
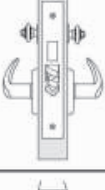
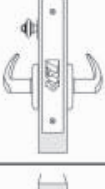
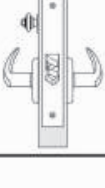
MS Series Mortise Lock with **Electrified** Mortise Chassis

Functions

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		MSS-121 MSE-121	12VDC Fail Safe, 3-position monitoring	N/A	12VDC voltage, fail safe, Monitors Request-to-Exit, Door Position Status and Latch Position Status. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. When locked, latch bolt can be retracted by key. Auxiliary latch bolt.
		MSS-122 MSE-122	12VDC Fail Secure 3-position monitoring	N/A	12VDC voltage, fail secure, Monitors Request-to-Exit, Door Position Status and Latch Position Status. Powered unit latch bolt is operated by lever from either side. When no power is applied outside lever is locked. When locked, latch bolt can be retracted by key. Auxiliary latch bolt.
		MSS-121DB MSE-121DB	12VDC Fail Safe Dead Bolt RQE	N/A	12VDC voltage, fail safe, with Dead Bolt, Monitors Request-to-Exit. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. Dead bolt can be operated from outside with key and inside by thumb turn. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		MSS-122DB MSE-122DB	12VDC Fail Secure Dead Bolt RQE	N/A	12VDC voltage, fail secure, with Dead Bolt, Monitors Request-to-Exit. Powered unit latch bolt is operated by lever from either side. When no power is applied outside lever is locked. Dead bolt can be operated from outside with key and inside by thumb turn. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		MSS-121DC MSE-121DC	12VDC Fail Safe Dead Bolt RQE	N/A	12VDC voltage, fail safe, with Dead Bolt, Monitors Request-to-Exit. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. Dead bolt can be operated from inside and outside with key. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		MSS-122DC MSE-122DC	12VDC Fail Secure Dead Bolt RQE	N/A	12VDC voltage, fail secure, with Dead Bolt, Monitors Request-to-Exit. Powered unit latch bolt is operated by lever from either side. When no power is applied outside lever is locked. Dead bolt can be operated from inside and outside with key. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		MSS-121RQE MSE-121RQE	12VDC Fail Safe RQE	N/A	12VDC voltage, fail safe, Monitors Request-to-Exit. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. When locked, latch bolt can be retracted by key from outside. Auxiliary latch bolt.
		MSS-122RQE MSE-122RQE	12VDC Fail Secure RQE	N/A	12VDC voltage, fail secure, Monitors Request-to-Exit. Powered unit latch bolt is operated by lever from either side. When no power is applied, outside lever is locked. When locked, latch bolt can be retracted by key from outside. Auxiliary latch bolt.

MS Series Mortise Lock with Electrified Mortise Chassis

Functions

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		MSS-241 MSE-241	24VDC Fail Safe 3-position monitoring	N/A	24VDC, fail safe, Monitors Request-to-Exit, Door Position Status and Latch Position Status. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. When locked, the latch bolt can be retracted by key. Auxiliary latch bolt.
		MSS-242 MSE-242	24VDC Fail Secure 3-position monitoring	N/A	24VDC, fail secure, Monitors Request-to-Exit, Door Position Status and Latch Position Status. Powered unit latch bolt is operated by lever from either side. When no power is applied outside lever is locked. When locked, latch bolt can be retracted by key. Auxiliary latch bolt.
		MSS-241DB MSE-241DB	24VDC Fail Safe Dead Bolt RQE	N/A	24VDC voltage, fail safe, with Dead Bolt, Monitors Request-to-Exit. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. Dead bolt can be operated from outside with key and inside by thumb turn. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		MSS-242DB MSE-242DB	24VDC Fail Secure Dead Bolt RQE	N/A	24VDC voltage, fail secure, with Dead Bolt, Monitors Request-to-Exit. Powered unit latch bolt is operated by lever from either side. When no power is applied outside lever is locked. Dead bolt can be operated from outside with key and inside by thumb turn. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		MSS-241DC MSE-241DC	24VDC Fail Safe Dead Bolt RQE	N/A	24VDC voltage, fail safe, with Dead Bolt, Monitors Request-to-Exit. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. Dead bolt can be operated from inside and outside with key. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		MSS-242DC MSE-242DC	24VDC Fail Secure Dead Bolt RQE	N/A	24VDC voltage, fail secure, with Dead Bolt, Monitors Request-to-Exit. Powered unit latch bolt is operated by lever from either side. When no power is applied outside lever is locked. Dead bolt can be operated from inside and outside with key. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		MSS-241RQE MSE-241RQE	24VDC Fail Safe RQE	N/A	24VDC voltage, fail safe, Monitors Request-to-Exit. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. When locked, latch bolt can be retracted by key from outside. Auxiliary latch bolt.
		MSS-242RQE MSE-242RQE	24VDC Fail Secure RQE	N/A	24VDC voltage, fail secure, Monitors Request-to-Exit. Powered unit latch bolt is operated by lever from either side. When no power is applied, outside lever is locked. When locked, latch bolt can be retracted by key from outside. Auxiliary latch bolt.



TownSteel Inc.

17901 Railroad Street, City of Industry, CA 91748

Toll Free: (877) 858-0888

Tel: (626) 965-8917

Fax: (626) 965-8919

sales@townsteel.com

MS Series Mortise Locks

Commercial Lockset



MS COMMERCIAL LOCKS

ANSI/BHMA CERTIFIED GRADE 1 MORTISE LOCKSET
UL & ULC LISTED 3-HOUR FIRE RATING
AVAILABLE IN REGULAR AND CLUTCHED FUNCTIONS

MSS-R



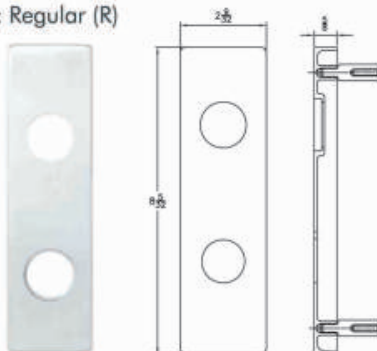
Regular (R) Rose
W/ Sentinel (S) Lever

- Available Levers/Knob: Sentinel (S), Gala (G), Imperial (I), Quest (Q), Artistic (A), Congress (C), Tango (T), Regal (R)
- Available Finishes: US3, US4, US26, US26D, US32, US32D, US10B, US15
- Sectional Rose Style: Regular (R)



MSE-R

- Available Levers/Knob: Sentinel (S), Gala (G), Imperial (I), Quest (Q), Artistic (A), Congress (C), Tango (T), Regal (R)
- Available Finishes: US3, US4, US26, US26D, US32, US32D, US10B, US15
- Escutcheon Style: Regular (R)



Regular (R) Escutcheon
W/ Tango (T) Lever

ANSI/BHMA CERTIFIED GRADE 1 MORTISE LOCKSET
UL & ULC LISTED 3-HOUR FIRE RATING
AVAILABLE IN REGULAR AND CLUTCHED FUNCTIONS



MS COMMERCIAL LOCKS



Low (L) Rose
W/Sentinel (S) Lever

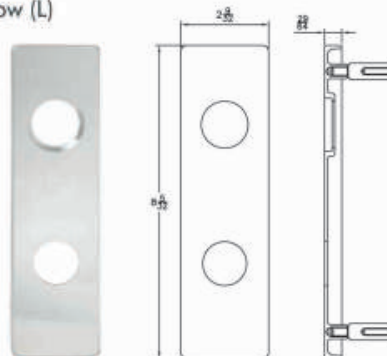
MSS-L

- Available Levers/Knob: Sentinel (S), Gala (G), Imperial (I), Quest (Q), Artistic (A), Congress (C), Tango (T), Regal (R)
- Available Finishes: US3, US4, US26, US26D, US32, US32D, US10B, US15
- Sectional Rose Style: Low (L)



MSE-L

- Available Levers/Knob: Sentinel (S), Gala (G), Imperial (I), Quest (Q), Artistic (A), Congress (C), Tango (T), Regal (R)
- Available Finishes: US3, US4, US26, US26D, US32, US32D, US10B, US15
- Escutcheon Style: Low (L)



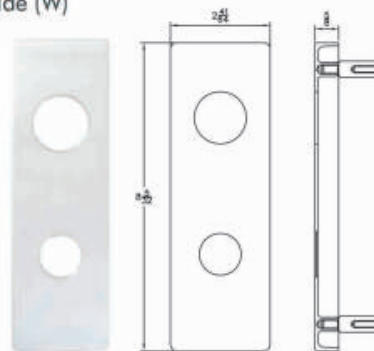
Low (L) Escutcheon
W/Sentinel (S) Lever



Wide (W) Escutcheon
W/ Imperial (I) Lever

MSE-W

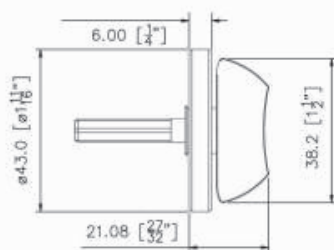
- Available Levers/Knob: Sentinel (S), Gala (G), Imperial (I), Quest (Q), Artistic (A), Congress (C), Tango (T), Regal (R)
- Available Finishes: US3, US4, US26, US26D, US32, US32D, US10B, US15
- Escutcheon Style: Wide (W)



Standard Thumb Turn



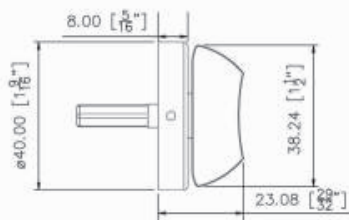
Classic Visible



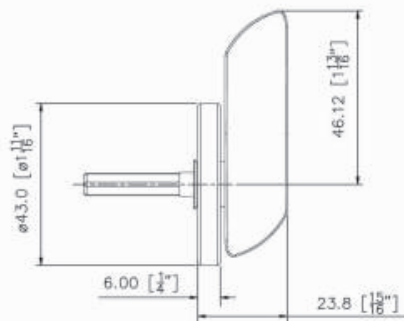
Optional Thumb Turn



Classic Concealed



ADA



ANSI/BHMA CERTIFIED GRADE 1 MORTISE LOCKSET
UL & ULC LISTED 3-HOUR FIRE RATING
AVAILABLE IN REGULAR AND CLUTCHED FUNCTIONS

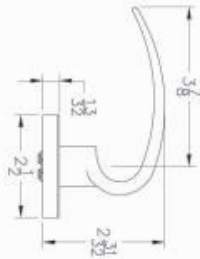


MS COMMERCIAL LOCKS

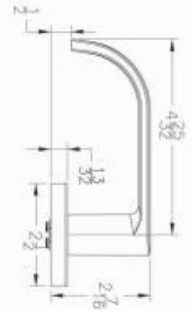
Plated & Stainless Steel Knobs and Levers



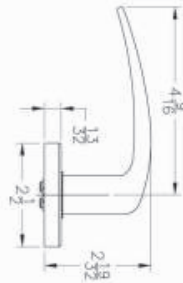
Artistic



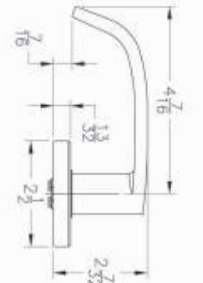
Congress



Gala



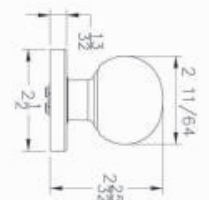
Imperial



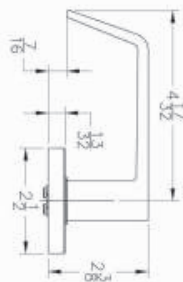
Quest



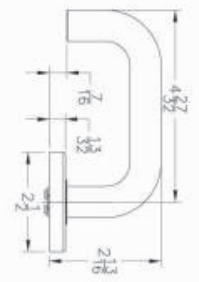
Regal



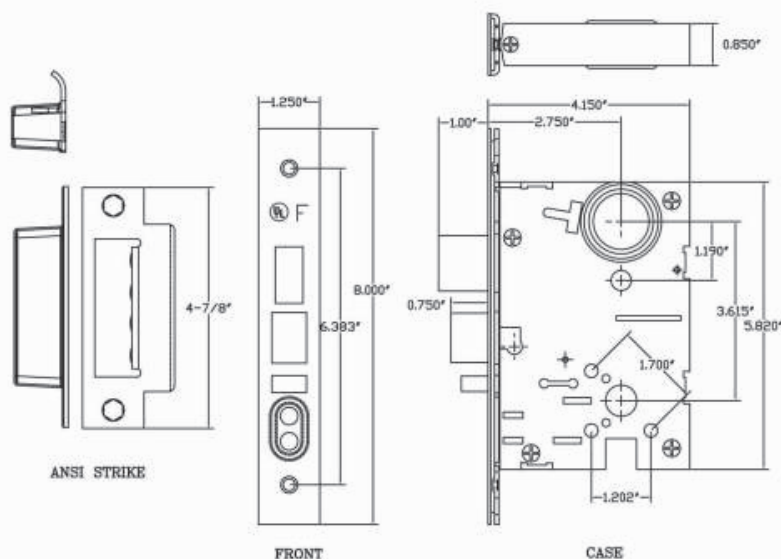
Sentinel



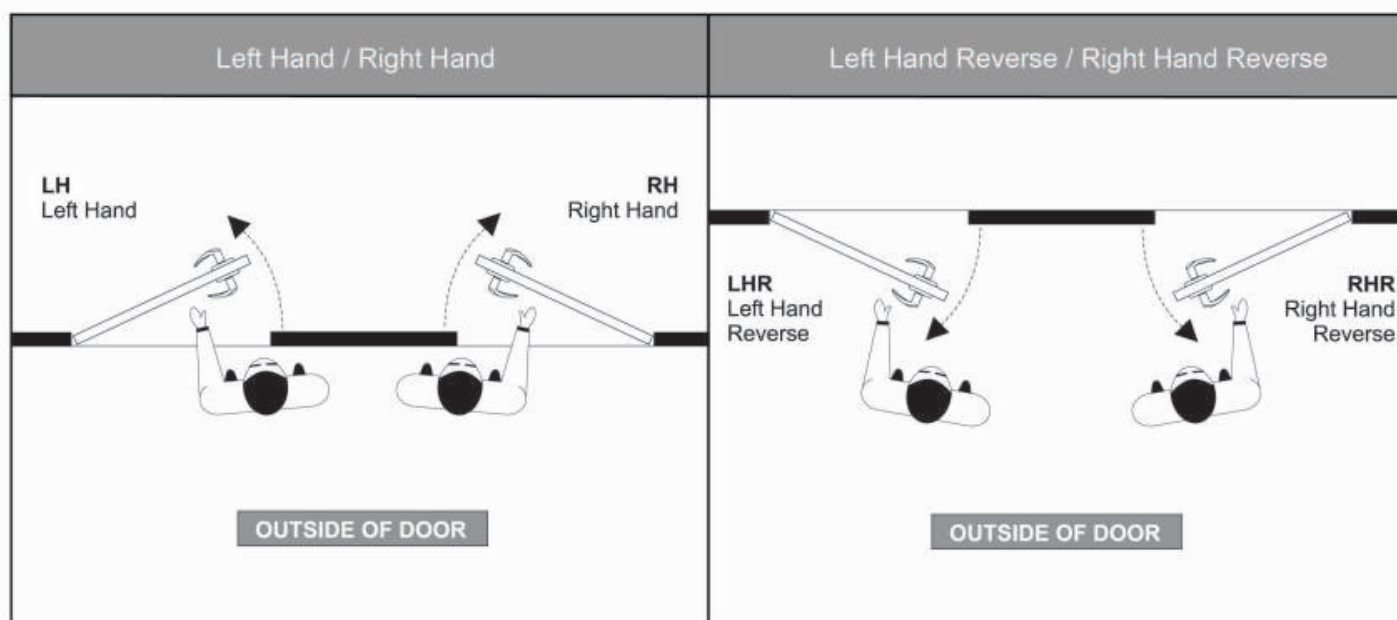
Tango



MS Series Mortise Lock Profile



Handing



ANSI/BHMA CERTIFIED GRADE 1 MORTISE LOCKSET
UL & ULC LISTED 3-HOUR FIRE RATING
AVAILABLE IN REGULAR AND CLUTCHED FUNCTIONS

MS COMMERCIAL LOCKS

Features

- ANSI Grade 1 Heavy-Duty Mortise Lock
- Door Thickness: 1¾" Standard, Other Door Thickness available upon request.
- Backset 2 ¾"
- Armored Front Plate
- Stainless Steel Deadbolt with 1" Throw Anti-Saw Deadbolts with Hardened Pins
- Stainless Steel Latchbolt
- Tamper Proof Cylinder Collar
- Rocker Type Stop Works, Stainless Steel
- Handing is Field Reversible
- Available In 8 BHMA Finishes
- Keyway-Schlage C (standard), other upon request
- Brass Mortise Cylinder, 2 keys Per Cylinder
- Small Format Interchangeable Core Available, 6 or 7pin core
- High Security Mortise Cylinder Available
- High Security SFIC Core Available
- Master Keying, Grand Master Keying or Great Grand Master Keying Available
- UL Listed 3-Hour Fire Rating
- 10-year Manufacturer's Limited Warranty

Specifications

Mortise Lock- Sectional or Escutcheon models and series. ANSI Grade 1

Standard Finishes

US3(605)	US4(606)	US10B(613)	US15(619)	US26(625)	US26D(626)	US32(629)	US32D(630)
Bright Brass	Satin Brass	Oil Rubbed Bronze	Satin Nickel	Bright Chrome	Satin Chrome	Bright SST	Satin SST

Note: For other finishes, please consult factory

Code Compliance

ANSI A-156.13-2005 Certified
 ADA Barrier Free Accessibility on All Lever Designs
 UL Listed 3-Hour Fire Rating



Options

- Strike- Brass or Stainless Steel, 1 1/4" x 4 7/8". Lipped ANSI strike
- Many other lever designs available, consult TownSteel for more information
- Clutching Mortise



Clutching Features

- Mortise Lock with Clutching mechanism
- Levers rotate up and down freely in the locked or unlockde positions
- Certified ANSI/BHMA A156.13 GRADE 1
- UL listed 3-hour fire rating
- Handing field reversible
- Patented Design
- TSM Series is MS mortise case with clutching mechanism assembled in Korea

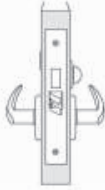
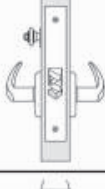
How To Order

1.Trim Series	MSS-R (Sectional Regular) MSS-L (Sectional Low) MSE-R (Escutcheon Regular) MSE-L (Escutcheon Low) MSE-W (Escutcheon Wide)				Order # Example: MSS-R-04-Gala-626-RH-IC 1. Sectional Regular _____ MSS-R 2. Office Function _____ 04 3. Gala Lever _____ Gala 4. Satin Chrome _____ 626 5. Right Handed _____ RH 6. Clutching (Optional) _____ C 7. Interchangeable Core(Optional) _____ IC
2.Function	See Mortise Function Sheet				
3.Lever	See Lever Listing				
4.Finish	See Finish Listing				
5.Handing	RH	LH	RHR	LHR	

MS Series Mortise Lock with **Regular/ Clutched** Mortise Chassis

Functions

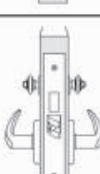
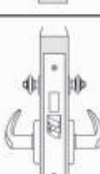
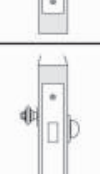
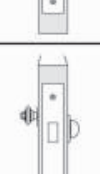
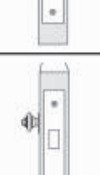
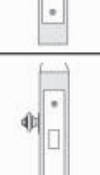
※In clutched mechanism, levers rotate up and down freely in the locked or unlocked position

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		MSS-01 MSE-01	Passage or Closet	F01	Latch bolt operated by lever from either side at all times.
		MSS-02 MSE-02	Privacy or Bathroom	F02	Latch bolt operated by lever from either side. Dead bolt operated by turn from inside and emergency release from outside.
		MSS-04 MSE-04	Entry/ Office	F04	Latch bolt operated by lever from either side, except when outside lever is made inoperative by a push button rocker. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever. ***Auxiliary dead latch.
		MSS-05 MSE-05	Classroom	F05	Latch bolt operated by lever from either side, except when outside lever is locked from outside by key. When outside lever is locked, latch bolt may be retracted by key, or by operating key and outside lever or by operating inside lever. ***Auxiliary dead latch.
		MSS-06 MSE-06 **Clutch unavailable	Holdback	F06	Latch bolt operated by lever either side, except when outside lever is locked from outside by key. Latch bolt can be locked in a retracted position by key. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever unless latch bolt has been locked in a retracted position. ***Auxiliary dead bolt latch.
		MSS-07 MSE-07	Storeroom or Closet	F07	Latch bolt operated by key from outside or by rotating inside lever. Outside lever is always inoperative. ***Auxiliary dead latch.
		MSS-08 MSE-08	Front Door or Corridor Lock	F08	Latch bolt operated by lever from either side, except when outside lever is made inoperative by a push button rocker. Dead bolt is operated by turn inside. Key outside operates both bolts.
		MSS-09 MSE-09 **Clutch unavailable	Apartment / Exit or Public Toilet	F09	Latch bolt operated by lever from either side, except when outside lever is locked by key from inside. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever. ***Auxiliary dead bolt latch.

MS Series Mortise Lock with **Regular/ Clutched** Mortise Chassis

Functions

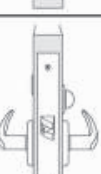
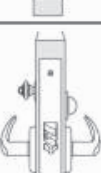
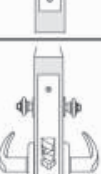
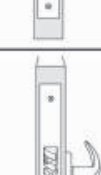
※In clutched mechanism, levers rotate up and down freely in the locked or unlocked position

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		MSS-11 MSE-11 **Clutch unavailable	Dormitory or Exit Lock	F11	Latch bolt operated by lever from either side except when outside lever is made inoperative by a stop or mechanical means other than key. Dead bolt projected by key from either side. Dead bolt retracted by key from outside. Both bolts retracted by inside lever and outside remain locked.
		MSS-12 MSE-12	Dormitory or Exit	F12	Latch bolt operated by lever from either side, except when outside lever is made inoperative by a stop or mechanical means other than key. Dead bolt projected by key from outside and by turn from inside. Deadbolt retracted by key from outside and by turn from inside. Operating inside lever retracts both bolts and outside remains locked.
		MSS-13 MSE-13	Dormitory or Exit	F13	Latch bolt operated by lever from either side. Dead bolt projected by key from outside and thumb turn from inside. Operating inside lever retracts both bolts and unlocks outside.
		MSS-14 MSE-14	Store Door	F14	Latch bolt operated by lever from either side. Dead bolt operated by key from either side.
		MSS-15 MSE-15	Hotel or Guest	F15	Latch bolt operated by key from outside or by rotating inside lever. Outside lever is always inoperative. Dead bolt operated by thumb turn from inside and all keys except emergency and display key are shut out. Operating inside lever retracts both bolts. ***Auxiliary dead bolt latch.
		MSS-16 MSE-16 **Clutch unavailable	Deadlock	F16	Dead bolt operated by key on either side.
		MSS-17 MSE-17 **Clutch unavailable	Deadlock	F17	Dead bolt operated by key outside and turn piece inside.
		MSS-18 MSE-18 **Clutch unavailable	Deadlock	F18	Dead bolt by key from outside only.

MS Series Mortise Lock with **Regular/Clutched** Mortise Chassis

Functions

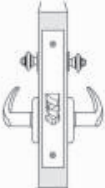
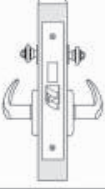
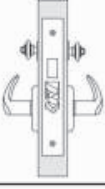
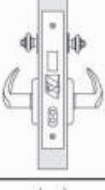
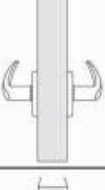
※ In clutched mechanism, levers rotate up and down freely in the locked or unlocked position

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		MSS-19 MSE-19	Privacy or Bathroom	F19	Latch bolt operated by lever from either side. Dead bolt operated by turn from inside and emergency release from outside. Operating inside lever retracts both bolts.
		MSS-20 MSE-20	Entrance/ Apartment/ Dormitory	F20	Latch bolt operated by lever from either side, except when outside lever is made inoperative by push button rocker. Dead bolt projected by key from outside and by thumb turn from inside. Key outside operates both bolts. Operating inside lever retracts both bolts and outside remains locked. Latch bolt is deadlocked when outside lever is made inoperative or when the dead bolt is projected. When dead bolt is retracted, lever is unlocked by stop or mechanical means other than key.
		MSS-21 MSE-21 **Clutch unavailable	Dormitory with Dead bolt	F21	Latch bolt operated by lever either side. Dead bolt operated by key outside or by turn from inside.
		MSS-22 MSE-22	Privacy	F22	Latch bolt operated by lever from either side, except when outside lever is locked by inside turn. Operating inside lever, closing door or operating outside emergency release unlocks outside lever.
		MSS-26 MSE-26 **Clutch unavailable	Institutional Privacy	F26	Latch bolt operated by lever from either side, except when outside lever is locked by turn inside. Latch bolt operated by key outside with override of turn inside when manually held in locked position. Operating inside lever or closing door unlocks outside lever. ***Auxiliary dead latch.
		MSS-29 MSE-29	Classroom Dead bolt	F29	Key from outside operates dead bolt. Turn from inside retracts but does not project dead bolt.
		MSS-30 MSE-30	Institutional	F30	Latch bolt operated by key either side. Both levers always inoperative. ***Auxiliary dead bolt latch.
		MSS-31 MSE-31 **Clutch unavailable	Exit or Communicating	F31	Latch bolt operated by lever from inside. Non removable blank lever or no lever outside. ***Auxiliary dead bolt latch.

MS Series Mortise Lock with **Regular/Clutched** Mortise Chassis

Functions

※In clutched mechanism, levers rotate up and down freely in the locked or unlocked position

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		MSS-32 MSE-32	Intruder Latch bolt	F32	Latch bolt operated by lever either side, except when outside lever is locked from inside or outside by key. When outside lever is locked, latch bolt is retracted by key from inside or outside or by operating inside lever. ***Auxiliary dead bolt latch
		MSS-33 MSE-33	Intruder Dead bolt	F33	Latch bolt operated by lever either side, except when outside lever is locked from inside or outside by key. Dead bolt operated by key either side. Inside lever retracts both bolts and unlocks outside lever.
		MSS-34 MSE-34	Intruder Dead bolt	F34	Latch bolt operated by lever either side, except when outside lever is locked from inside or outside by key. Dead bolt operated by key either side. Operating inside lever retracts both bolts and unlocks outside. *** Auxiliary dead latch or latch bolt dead locked when dead bolt is thrown.
		MSS-35 MSE-35	Storeroom with Dead bolt	F35	Latch bolt operated by lever from either side, except when outside lever is made inoperative by a stop or mechanical means other than key. Dead bolt operated by key from either side.
		MSS-41 MSE-41	Single Dummy		No Lock works, Lever one side only.
		MSS-42 MSE-42	Double Dummy		No Lock works, Lever on both sides.
		MSS-81 MSE-81 **Clutch unavailable	Hotel Privacy		Latch bolt retracted by key from outside and thumb turn from inside. ***Auxiliary dead bolt latch.
		MSS-82 MSE-82 **Clutch unavailable	Storeroom with Double Cylinder		Latch bolt operated by key from either side. both levers always rigid. ***Auxiliary dead bolt latch.

www.townsteel.com



17901 Railroad Street, City of Industry, CA 91748
Toll Free: (877) 858-0888 Tel: (626) 965-8917 Fax: (626) 965-8919
sales@townsteel.com

CYLINDRICAL LOCKS



CE-ANSI Grade 1
Heavy Duty Cylindrical Lockset



Sentinel



Gala



Quest

PRODUCT INTRODUCTION

The CE Series Cylindrical Lock is designed for High Traffic commercial areas such as schools, universities, office buildings, and industrial complexes. The CE is certified ANSI/BHMA A156.2-2011 4000 Series Grade 1 and UL10C 3 Hour Rated. Featuring an internal spring design that mitigates lever sag, and allows for an aesthetically pleasing low projection rose. The CE series is available with a standard Schlage C keyway as well as SFIC, Schlage® LFIC, Corbin® LFIC, and TownSteel High Security Cylinders. For specific CE Series information or to learn more about TownSteel products, visit www.townsteel.com or call TownSteel Customer Service at 1-877-858-0888.

CATALOG

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FITS CORBIN® LFIC
LESS CORE



SFIC



FITS SCHLAGE® LFIC
LESS CORE



Sentinel



Gala



Quest

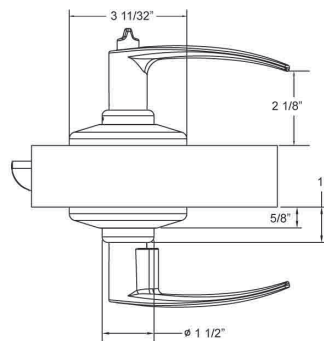
Specification

Door Thickness	1-3/4" -2"
Backset	2-3/4" standard. 5" optional
Latch Bolt	Stainless steel, 1/2" throw.
Faceplate	Self-adjustable, 1-1/8" X 2-1/4" Stainless Steel
Strike	ASA strike standard, 1-1/4" X 4- 7/8", T-Strike available
Lever style	Sentinel(S), Quest(Q) and Gala(G)
Rose Design	Wrought steel or stainless steel, low-profile, 5/8" in projection, 3-11/32" in diameter
Clutching	Available in sentinel lever trim with polished or satin stainless steel finish only
Door Prep	Standard 161 door prep
Mounting	Through-bolt mounting with 2-5/8" center-to-center thru-bolts
Cylinder	Solid Brass, Schlage "C" keyway, 6pin standard
High Security Cylinder	Available, 6Pin, TownSteel "L" Keyway
High Security SFIC Core	Available, 7Pin, TownSteel "L" Keyway
Schlage® LFIC	Schlage® Large Format I.C. less core available, for 6pin core
Corbin® LFIC	Corbin® Large Format I.C. Less Core available, for 6pin core
SFIC	Small format IC available, 6 or 7pin, Best "A" keyway
Keying	KA, KD, Master or Grandmaster keyed, construction key system available
Finishes	Plated, Stainless Steel or Powder Coat (10B)
Functions	Refer to function chart
Warranty	10 years limited for mechanical, 5 years for finishes

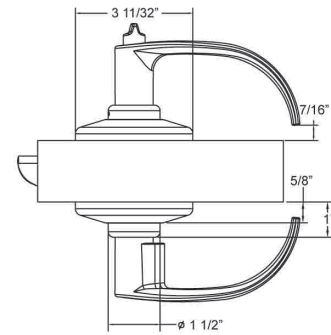
Features

- ▶ ANSI 156.2-2011 4000 Series Grade 1 certified
- ▶ UL 3-hour rated
- ▶ Fast and easy installation
- ▶ Rotation limiters and internal lever return springs provide additional protection
- ▶ Heavy gauge mounting plates and roses
- ▶ Low profile rose design
- ▶ Clutched Sentinel Lever Trim in polished and satin stainless steel only
- ▶ Stainless steel trim available for use in harsh and corrosive environments
- ▶ Patents pending design

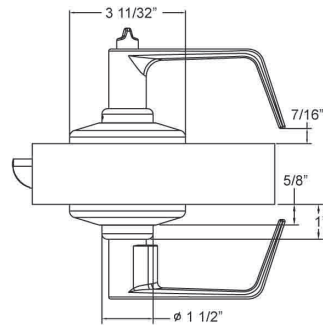
Profile



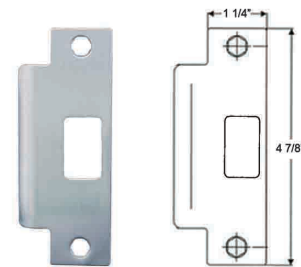
Gala



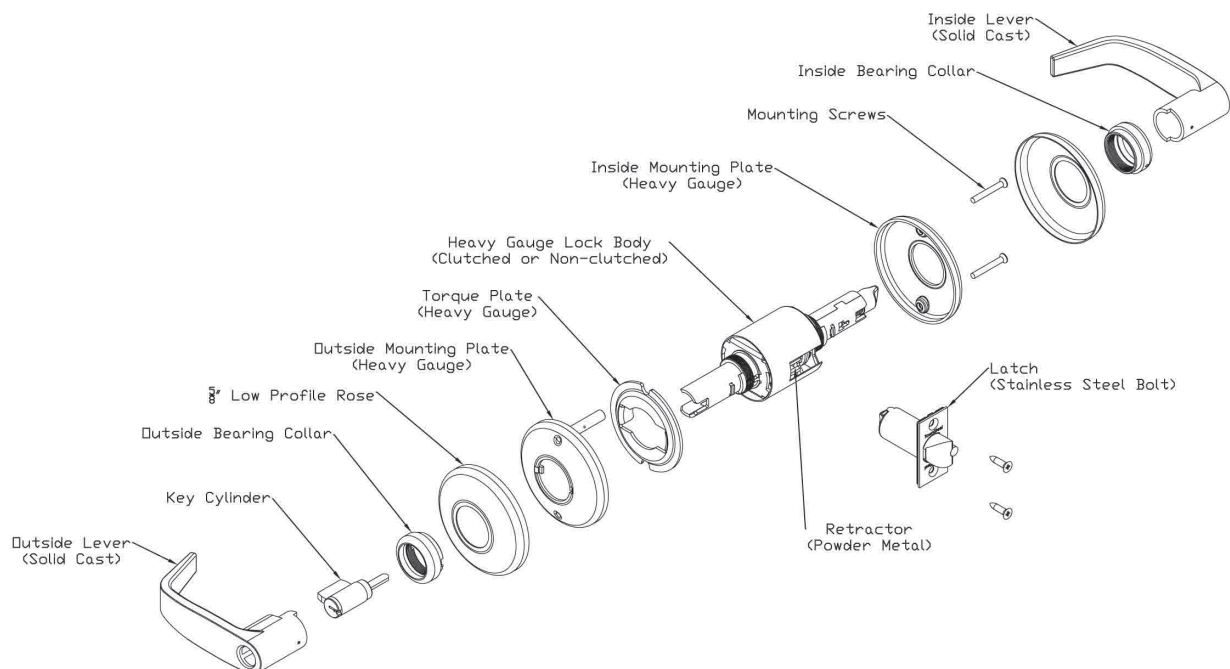
Quest



Sentinel



ASA Strike



Code Compliance

ANSI/BHMA: A156.2-2011 4000 Series Certified

UL: UL and ULC 3-hour rated

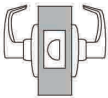
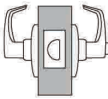
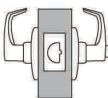
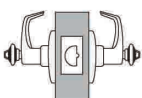
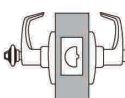
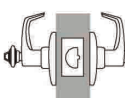
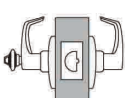
CSFH: Sentinel and Quest lever design meets California State Reference Code (CSFH)

BAA: Meets requirements of The Buy American Act

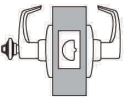
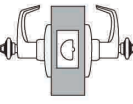
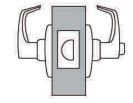
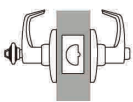
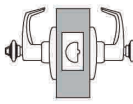
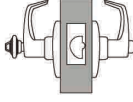
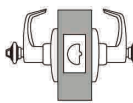
ADA: Meets guidelines of The Americans with Disabilities Act



CE Series Functions Chart

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		CE-75	Passage Closet	F75	Latchbolt operated by lever from either side at all times.
		CE-76	Privacy	F76	Latchbolt operated by lever from either side. Outside lever is locked by push button inside and unlocked by emergency release outside, rotating inside lever or closing door.
		CE-77	Patio	F77	Dead locking latch bolt operated by lever from either side except when outside lever is locked by push button inside. Rotating inside lever releases push button. Do not use on doors in rooms that have no other entrance.
		CE-80	Communicating	F80	Deadlocking latchbolt operated by lever from either side. Turning key in either lever locks or unlocks its own lever independently. Do not use on doors in rooms that have no other entrance.
		CE-81	Office / Entry	F81	Dead locking latch bolt operated by lever from either side except when outside lever is locked by turn button inside. When outside lever is locked, latch bolt is operated by key in outside lever or by operating inside lever. Turning inside button locks or unlocks outside lever.
		CE-82	Entry	F82	Dead locking latch bolt operated by lever from either side except when outside lever is locked by push button on inside. When outside lever is locked, operating key in outside lever or operating inside lever unlocks push button and retracts latch bolt. Closing door does not release push button.
		CE-84	Classroom	F84	Deadlocking latchbolt operated by lever from either side except when outside lever is locked from outside by key. When outside lever is locked, latchbolt is operated by key in outside lever or by rotating inside lever.

CE Series Function Chart

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		CE-86	Storeroom	F86	Deadlocking latchbolt operated by key in outside lever or rotating inside lever. Outside lever is always inoperable.
		CE-87	Asylum	F87	Deadlocking latchbolt operated by key in lever from either side. Both lever always fixed.
		CE-89	Exit Latch	F89	Deadlocking latch bolt retracted by lever from inside at all times. Outside lever is always inoperable
		CE-90	Corridor Lock	F90	Dead locking latch bolt operated by lever from either side except when outside lever is locked by key in outside lever or by push button or other locking device on inside. Key in outside lever locks or unlocks outside lever. Operating inside lever releases push button or other locking device placed. Closing door releases push button or other inside locking device. Inside lever always operates latch bolt.
		CE-91	Store Door	F91	Deadlocking latchbolt operated by lever from either side, except when both levers are locked by key in lever from either side.
		CE-109	Entry / Office Lock	F109	Deadlocking latchbolt operated by lever from either side, except when outside lever is locked by the push or turn button on inside. Key outside or operating inside lever releases push or turn button unlocking outside lever except when push or turn button has been rotated to keep outside lever locked. Inside push or turn button must be manually operated to unlock outside lever. Inside lever always operates latch bolt.
		CE-110	Intruder Classroom Lock	F110	Dead locking latch bolt operated by lever from either side. Key either inside or outside locks or unlocks outside lever. Inside lever always operates latch bolt.

How To Order

Series	Function	Lever Style	Backset	Cylinder	Keying	Finish
CE: Non-Clutch Trim	Refer to function Chart	S: Sentinel Q: Quest G: Gala	2-3/4 5"	R: Regular KIL H: High Security H7: High Security SFIC 7Pin S6: SFIC 6pin S7: SFIC 7pin LF: Schlage LFIC less core for 6pin C6: Corbin LFIC less core for 6pin	KD: Keyed Different KA: Keyed Alike MK: Master Keyed GMK: Grand Master Keyed	US26D: Satin Chrome US10B: Powder Coat US32D: Satin Stainless Steel

Example:

CE - 84 - S - 2-3/4 - R - MK - US26D

CE: Non-Clutch Trim

84: Classroom function

S: Sentinel lever

2-3/4": 2-3/4" Backset

R: Regular cylinder, 6pin

MK: Master Keyed

US26D: Satin Chrome

- ※ Use CEC for clutched trim, only available in sentinel lever with polished or satin stainless steel trim
- ※ Other finishes upon request



TownSteel Inc.

17901 Railroad Street, City of Industry, CA 91748

Toll Free: (877) 858-0888

Tel: (626) 965-8917

Fax: (626) 965-8919

sales@townsteel.com

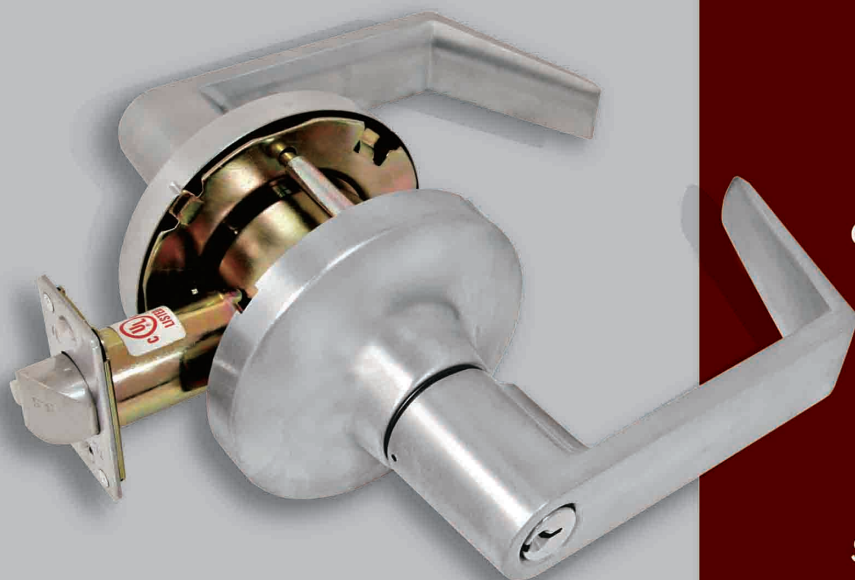
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CDC/CD Series CYLINDRICAL LOCKSET

ANSI/BHMA A156.2-2011

GRADE 1 CERTIFIED

UL 10C 3-HOUR RATED



Quest(Q)



Gala(G)



Sentinel(S)



Schlage® LFIC



PRODUCT INTRODUCTION

CDC/CD Series Cylindrical Lockset is ANSI/BHMA A156.2-2011 Grade certified and UL 10C 3-Hour rated. It offers clutched and non-clutched feature. Independent torsion springs design provides effective lever support. It offers three types of lever available in US26D and US10B finishes. Multiple functions are available. Easy installation.



CATALOG

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Specifications:

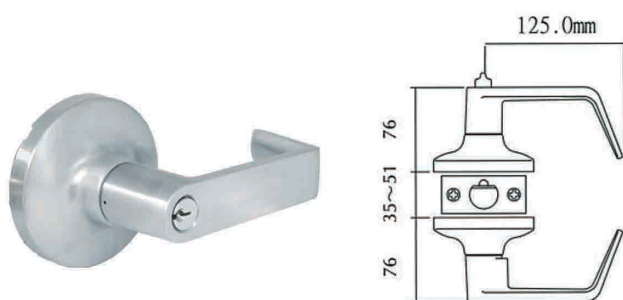
Applications	Institutional, government/military, retail and multi-family
Handing	Non-Handed.
Door Thickness	1-3/8"-2" (35mm-51mm).
Backset	2-3/4" (70mm) standard, 2-3/8" 3-3/4" and 5" (60mm, 95mm, 127mm) optional.
Faceplate	Forged brass or Stainless Steel, 1-1/8" X 2-1/4" (29mm X 57mm) square corner, beveled.
Lock Chassis	Zinc plated for corrosion resistance.
Latch Bolt	Stainless Steel, 1/2" (12.7mm) throw, deadlocking on keyed functions. Anti-friction fire door latch with 3/4" (19mm) throw available upon request
Exposed trim	Wrought brass or stainless steel rose. Pressure case zinc lever
Strike	ASA curved lip Strike 1-1/4" x4-7/8" x1-5/16" lip to center (31.4mm x 123.5mm x 33.3mm). T-Strike available.
Cylinder	6pin solid brass cylinder with 2 brass keys per lock. Schlage "C" keyway.
SFIC	Small Format Interchangeable Core Cylinder, 6 or 7 pin, Best keyway.
LFIC	Schlage® Large Format IC Less Core Available, Sentinel lever only.
Keying Options	Master keying, grand master keying and construction.
Free-Wheeling Mechanism	standard, non-clutch available.
Finishes	US26D, US10B stock finishes, other upon request.
Functions	ANSI F-75,76, 84, 86, 87,90, 109 and 110 stock functions, other upon request.
Lever Style	Sentinel, Quest, Gala.
Door Preparation	Standard 161 door prep with 2-3/4" (70mm) center to center thru-bolt.
Warranty	10 years limited for mechanical, 5 years for finishes.

Code Compliance:

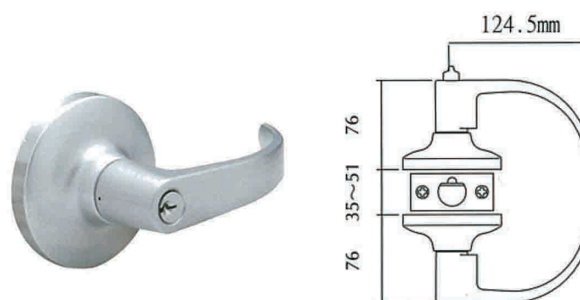
- o **ANSI/BHMA**
Certified ANSI/BHMA A156.2-2011 Series 4000 Grade 1.
- o **California State Reference Code (CSFH)**
Sentinel and Quest lever return to within 1/2" of door face.
- o **UL/ULC**
All locks listed for A label single doors, 4'x8'.
- o **Buy American Act (BAA) Compliant**
All locks meet requirements of the Buy American Act.
- o **Americans with Disability Act (ADA) Compliant**
All locks meet requirements of the Americans with Disability Act.



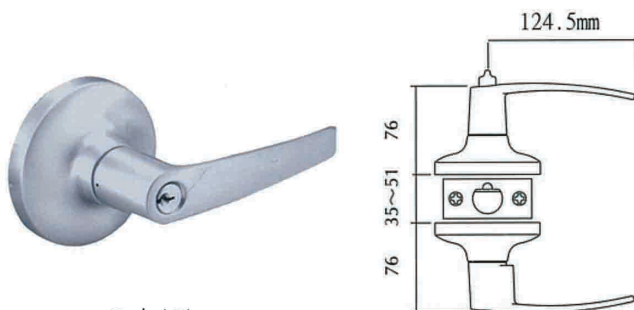
Lever Profile



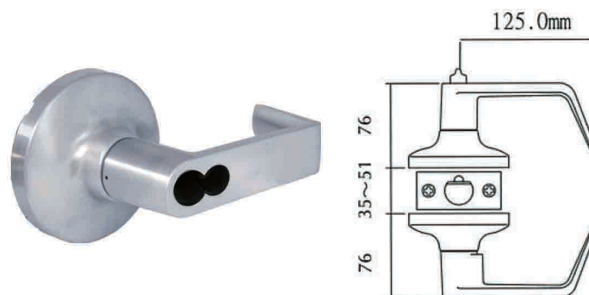
Sentinel(S)



Quest(Q)



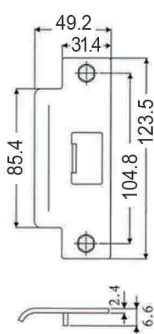
Gala(G)



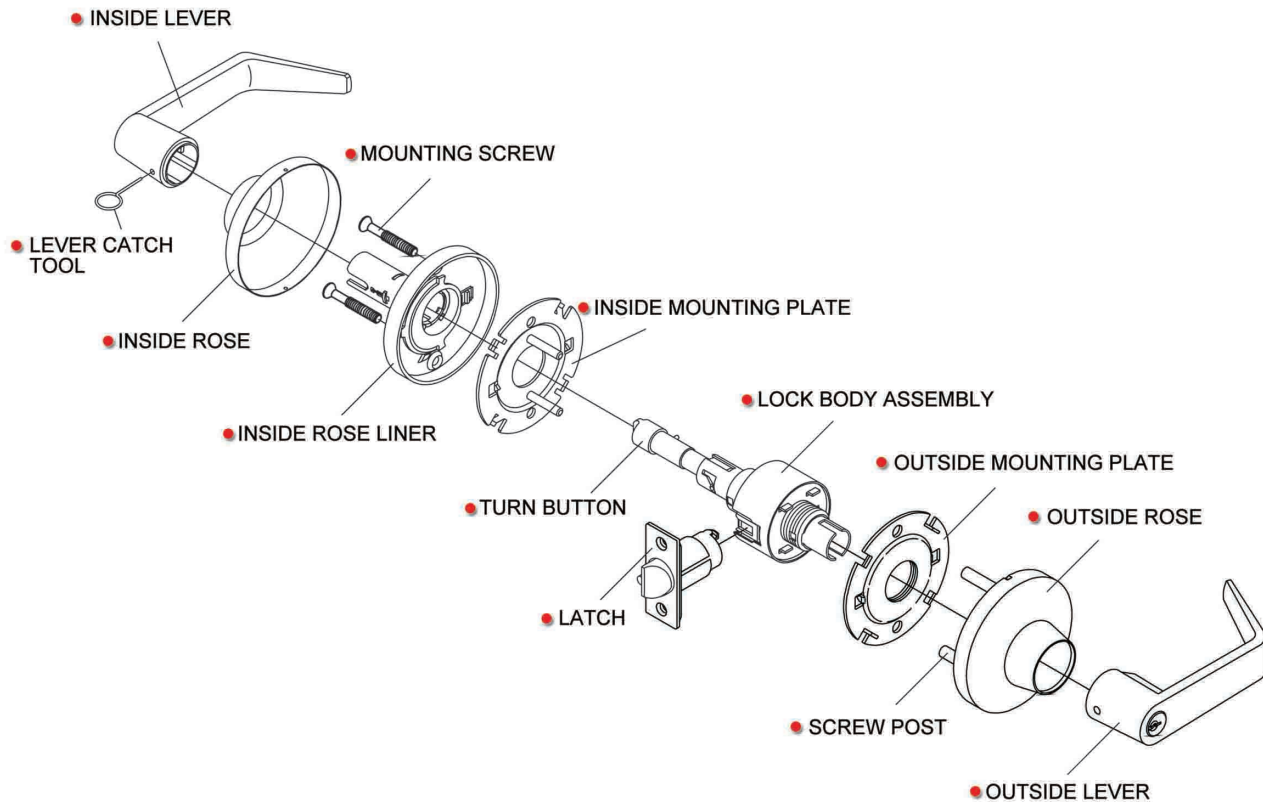
Schlage® LFIC
(Available in Sentinel Lever Only)



ASA Strike



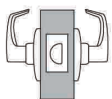
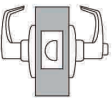
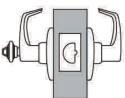
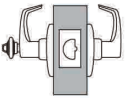
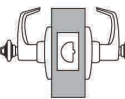
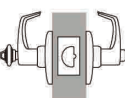
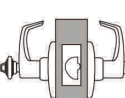
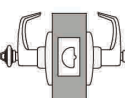
Lock Profile



How to Order

Series	Function	Lever	Finish	Backset	Keying
CDC: Regular Trim, Clutched CDCI: SFIC Less Core, Clutched CD: Regular Trim, Non-Clutched CDC-SLFIC: Schlage® LFIC Less Core, Clutched	Refer to function sheet	Sentinel(S) Quest(Q) Gala(G)	US26D US10B	Blank-2-3/4” 2-3/8” 3-3/4” 5”	Blank-KD KA-Keyed alike MK-Master Keyed GMK-Grand Master Keyed
Example:				CDC - 84 - S - US26D - KA	
CDC: Regular Trim, Clutched					
Function: Classroom Function					
Lever: Sentinel Lever					
Finish: Satin Chrome Finish					
Backset: 2-3/4” backset					
KA: Keyed Alike					

Lock Function

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		CDC-75	Passage Closet	F75	Latchbolt operated by lever from either side at all times.
		CDC-76	Privacy	F76	Latchbolt operated by lever from either side. Outside lever is locked by push button inside and unlocked by emergency release outside, rotating inside lever or closing door.
		CDC-84	Classroom	F84	Deadlocking latchbolt operated by lever from either side except when outside lever is locked from outside by key. When outside lever is locked, latchbolt is operated by key in outside lever or by rotating inside lever.
		CDC-86	Storeroom	F86	Deadlocking latchbolt operated by key in outside lever or rotating inside lever. Outside lever is always inoperable.
		CDC-87	Asylum	F87	Deadlocking latchbolt operated by key in lever from either side. Both lever always fixed.
		CDC-90	Corridor Lock	F90	Dead locking latch bolt operated by lever from either side except when outside lever is locked by key in outside lever or by push button or other locking device on inside. Key in outside lever locks or unlocks outside lever. Operating inside lever releases push button or other locking device placed. Closing door releases push button or other inside locking device. Inside lever always operates latch bolt.
		CDC-109	Entry / Office Lock	F109	Deadlocking latchbolt operated by lever from either side, except when outside lever is locked by the push or turn button on inside. Key outside or operating inside lever releases push or turn button unlocking outside lever except when push or turn button has been rotated to keep outside lever locked. Inside push or turn button must be manually operated to unlock outside lever. Inside lever always operates latch bolt.
		CDC-110	Intruder Classroom Lock	F110	Dead locking latch bolt operated by lever from either side. Key either inside or outside locks or unlocks outside lever. Inside lever always operates latch bolt.
		CDC-SD	SINGLE DUMMY TRIM	SD	Dummy trim for one side of door.



17901 Railroad Street, City of Industry, CA 91748

Toll Free: (877) 858-0888

Tel: (626) 965-8917

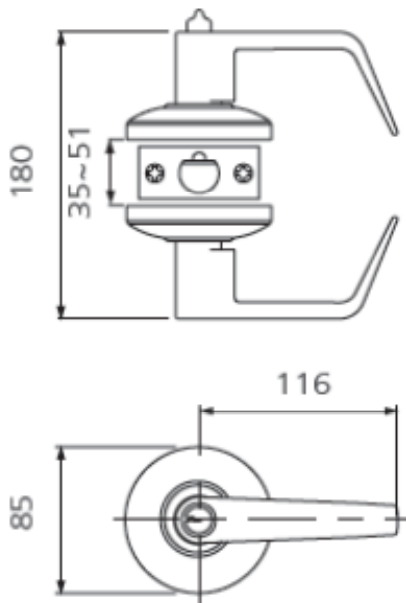
Fax: (626) 965-8919

sales@townsteel.com

CSRC-Heavy Duty Grade 2 Cylindrical Lockset



(Picture shows Sentinel Lever in US26D)



Specification:

- **ANSI:** ANSI/BHMA A156.2-2003 Grade 2 Certified.
- **UL:** 3 hours fire rating certified
- **Door Thickness:** 1-3/8"-2" (35mm-51mm)
- **Backset:** 2-3/4" standard. 2-3/8", 3-3/4" and 5" optional
- **Strike:** ASA Strike standard, T-Strike Optional

- **Latchbolt:** Stainless steel with 1/2" (12.7mm) throw
- **Faceplate:** 1-1/8" x 2-1/4" (28.4mm x 57mm) , square corner
- **Cylinder:** 6pin solid brass cylinder, Schlage "C" keyway. Small Format IC Core available
- **Handing:** Non-Hand
- **Clutch Feature:** Standard
- **Available lever:** Sentinel, Gala, Quest
- **Available Finish:** US26D and US10B stock finish, other finishes upon request

Code Compliance:

- ANSI/BHMA A156.2-2003 Grade 2 Certified
- UL: Listed 3-hour fire rating
- BAA: Meets guidelines of the Buy American Act
- ADA: Meets requirements of the Americans with Disabilities Act

Available Function:

Series Number	Description
CSRC-75	Passage
CSRC-76	Privacy
CSRC-109	Entry
CSRC-84	Classroom
CSRC-86	Storeroom
CSRC-87	Asylum

Notes:

1. Use CSRCI for SFIC less core configuration
2. Other functions upon request

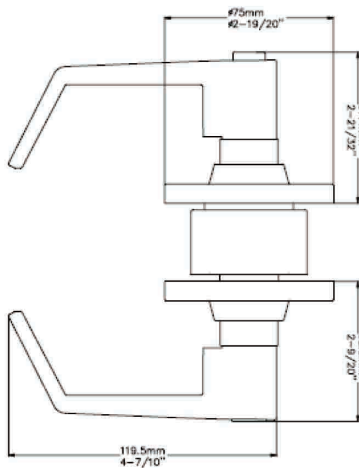


TownSteel Inc. 17901 Railroad Street, City of Industry, CA 91748

Toll Free: 877-858-0888 Tel: 626-965-8917 Fax: 626-965-8919 <http://www.townsteel.com>



CP Series *Grade 3* Cylindrical Lockset



Specification:

Door Thickness	1-3/8"-1-3/4"
Backset	2-3/8" to 2-3/4" adjustable
Latch bolt	Zinc, 1/2" throw
Faceplate	1" wide with Square Corner
Strike	Steel, T-Strike
Functions	Entry, Privacy and Passage
Cylinder	5 pin tumbler with 2 brass keyper cylinder
Keyway	Schlage "C"
Keying	KD standard, KA, MK, GMK optional
Handing	Non-Handed
Finish	US26D and US10B
Packaging	12sets/carton

Code Compliance:

- ANSI: Meets ASNI A156.2 Grade 3 requirements
- Meets requirements of the Americans with Disabilities Act

How to Order:

Series	Trim	Function	Finish
CP	S-Sentinel Lever	F-75(Passage) F-76B(Privacy) F-109(Entry)	US26D US10B
Sample: CP-S-76B-26D CP: Grade 3 Cylindrical S: Sentinel Lever 75: Passage Function 26D: Satin Chrome			

DBD Series is a heavy duty commercial quality deadbolt. Tamper resistant solid brass one piece housing provides a positive deterrent to forced entry.

Performance Features

- Certified ANSI/BHMA A156.5-2001 Grade 1
- Door Thickness: 1-9/16"-2" (40mm-51mm)
- Backset: 2-3/4" (70mm) standard, 2-3/8" (60mm) optional
- Latch: Solid brass with hardened steel rod insert, full 1" (25.4) throw
- Strike: 2-3/4" X 1-1/8"
- Combo screw pack: for wood or metal door or frame
- Cylinder: 6pin solid brass pick resistant pin and anti-drill bearing balls inserted, Schlage C keyway
- SFIC: Small format IC Core available
- Keying: Keyed Alike, Master Keyed and Grand Masterkeyed available
- Finishes: US26D, US10B stock finishes, other finishes upon request
- Door prep: 1" edge bore for latch, 2-1/8" for lock

Code Compliance

ANSI/BHMA: ANSI/BHMA A156.5-2001 Certified Grade 1

UL: UL listed 3 hour fire rating

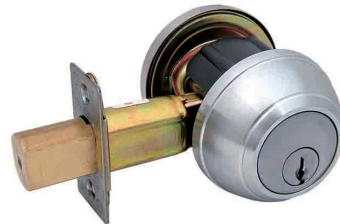
BAA: Meets guidelines of the Buy American Act



DBD-61



DBDI-62



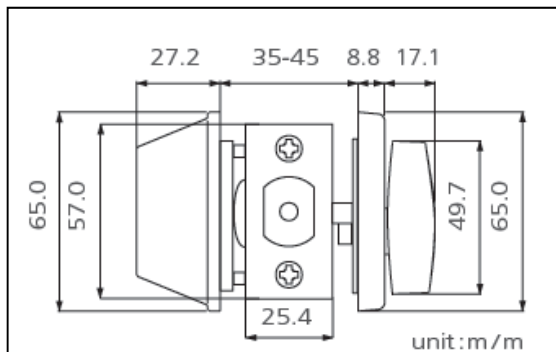
DBD-81

How to order

Series	Function	Finish	Backset	Keying
DBD: Heavy duty deadbolt DBDI: Heavy duty deadbolt W/SFIC less core	61: Single Cylinder W/Thumb Turn 62: Double Cylinder 81: Single Cylinder W/Blank Plate	US10B US26D	2-3/4" 2-3/8"	KD: Keyed Different KA: Keyed Alike MK: Master Keyed GMK: Grand Master Keyed
※ Order Sample: DBD- 61- 10B- 2-3/4- MK DBD: Heavy duty deadbolt _____ 61: Single cylinder with thumb turn _____ 10B: Oil rubbed bronze _____ 2-3/4: 2-3/4" Backset _____ MK: Master keyed _____				

www.townsteel.com

DBT-HEAVY DUTY GRADE 2 DEADBOLT



Specifications:

- **ANSI:** ANSI/BHMA A156.5-2001 Grade 2 Certified.
- **UL:** 3 hours fire rating certified
- **Door Thickness:** 1-3/8"-1-3/4" (35mm-45mm), 2" (51mm) optional
- **Backset:** 2-3/4" (70mm) and 2-3/8" (60mm) adjustable
- **Strike:** Rectangular with door reinforce 1-1/8" x 2-3/4" x 5/64" (28.4mm x 69.8mm x 2.0mm), square corner standard
- **Latchbolt:** Solid brass with hardened steel rod insert, full 1" (25.4mm) throw
- **Faceplate:** 1-1/8" x 2-1/4" (28.4mm x 57mm), square corner
- **Cylinder:** 6pin solid brass cylinder, Schlage "C" keyway. Small Format IC Core available
- **Available Finish:** US3, US4, US10B, US26D, US32, US32D

Code Compliance:

- ANSI/BHMA A156.5-2001 Grade 2 Certified
- UL: Listed 3-hour fire rating
- BAA: Meets guidelines of the Buy American Act

Available Functions:

Series Number	Description
DBT-61	Single Cylinder
DBT-62	Double Cylinder
DBT-50	Thumb Turn Only
DBT-70	Thumb Turn with Indicator
DBT-65	Classroom
DBT-81	Cylinder with blank plate

Note: Use DBTI as prefix for SFIC less core configuration

Product Gallery



Thumb Turn



DBT-70 Outside



DBTI-61



DBT-62



TownSteel Inc. 17901 Railroad Street, City of Industry, CA 91748

Toll Free: 877-858-0888 Tel: 626-965-8917 Fax: 626-965-8919 <http://www.townsteel.com>



DBM

**Heavy Duty Auxiliary
Mortise Deadbolt Locks**



DBM Mortise Deadbolt

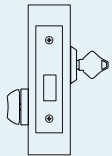
Heavy Duty Auxiliary Locks

DBM Series is a heavy duty commercial quality deadbolt that provides a positive deterrent to forced entry. Designed for maximum security, the cylinder resists blows attempting to move the lock.



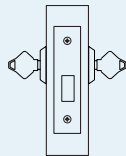
Functions

DBM 09 Classroom



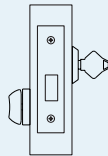
Deadbolt operated by key from outside and turn from inside retracts but does not project deadbolt

DBM 06 Double Cylinder



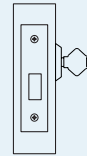
Deadbolt operated by key form either side

DBM 07 Single Cylinder



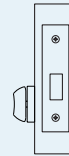
Deadbolt operated by key from outside and turn from inside

DBM 08 Cylinder x Blank



Deadbolt operated by key from outside only. No inside operation. Use only on rooms with more than one exit

DBM 18 Exit Lock



Deadbolt operated by turn from inside only, no trim on other side

Specifications

APPLICATIONS	— To use as an auxiliary lock for quality residential and commercial buildings wherever additional security is desired.
DOOR RANGES	— 1 3/8" to 2" door thickness.
BACKSET	— 2 3/4" standard.
BOLT	— 1" throw, stainless steel deadbolt, Anti-Saw Deadbolts with hardened pins.
FINISHES	— US26D, US26, US10B, US3, US4, US32D, US32
HANDING	— Non-Handed.
CYLINDER	— Accepts standard cylinders.
CERTIFICATIONS	— Meets or exceeds ANSI A156.5 Grade 1 strength and operational requirements.





Ligature Resistant Locks



**Ligature Resistant
Rx Series**

TownSteel is pleased to introduce the most complete line of Ligature Resistant locks available today in the commercial contract hardware industry: ADA 5-Point Ligature Resistant Arched Mortise Lock (MRX-A), ADA Ligature Resistant Levered Mortise Lock (MRX-L), ADA 5-Point Ligature Resistant Arched Cylindrical Lock (CRX-A), Levered Cylindrical Lock (TRX-L), Standard configuration Ligature Resistant Conical Knob Mortise Lock (MRX-K), and Conical Knob Cylindrical Lock (CRX-K).



Contact us for more info.

Phone: 1-877-858-0888

Web: www.townsteel.com

Email: sales@townsteel.com

Ligature Resistant Series Family

Grade 1 Mortise Lock -Lever



MRX-A



MRX-E-L



MRX-S-L



MRX-S-L

Grade 1 Mortise Lock -Knob



MRX-E-K



MRX-S-K

Grade 1 Cylindrical Lock -Lever



CRX-A



TRX-L



CRX-K

Grade 1 Cylindrical Lock -Knob

Grade 1 Deadbolt



DRX

Grade 1 Electrified Mortise Lock



XMRX-A



XMRX-E-K



XMRX-S-K

MRX-A ANSI Grade 1 Mortise Lock with Ligature Resistant Trim-Arch

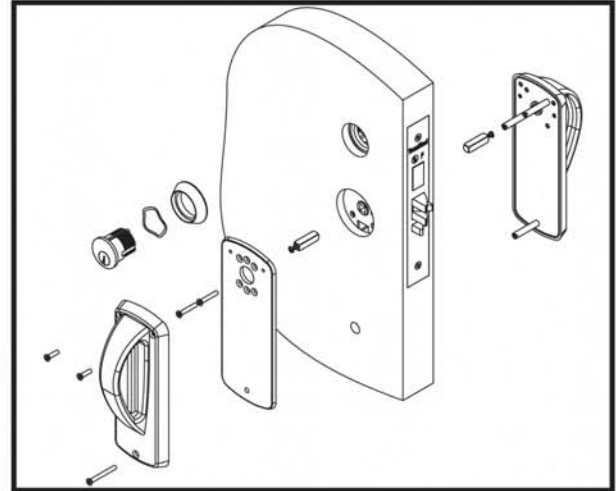


Specification

- For facilities housing patients in risk
- For 1-3/4" door thickness, other upon request
- 2-3/4" backset
- Handed
- US32D finish
- Stainless steel under plate, 7-1/2" x 2-3/4" x 1/2"
- 5-point ligature resistant stainless steel arch lever
- Stainless steel turn piece, ligature resistant, ADA
- Stainless steel faceplate, 1-1/4" x 8"
- Stainless steel strike, ASA, 1-1/4" x 4-7/8"
- Through-bolt mounting, tamper resistant mounting screws, for wood and metal door
- Brass cylinder with stainless steel cover, 6 pin, Schlage "C" keyway standard, 2 keys per cylinder
- Small Format IC available with or without core, 6 or 7 pin core
- Schlage Large Format IC available in less core
- Corbin Large Format IC available in less core, for 6 pin core
- High Security Cylinder available, TownSteel "L" keyway, 6pin
- High Security Small Format IC Core available, TownSteel "L" keyway, 7 pin
- 10 years limited warranty

Code Compliance

OMH	Accepted by New York State Office of Mental Health Patient Safety Standard
ANSI/BHMA	A156.13-2012 Grade 1 Certified
UL/ULC	UL 10C listed 3-hour rating



- BAA** Meets requirements of the Buy American Act
ADA Meets requirements of the Americans with Disabilities Act



How To Order

Trim	MRX-A Ligature Resistant Mortise Arch Trim
Function	Please Refer to Function Sheet
IC	IC Less Core (Optional, Specify when ordering)
LH	Left Hand Door

Example

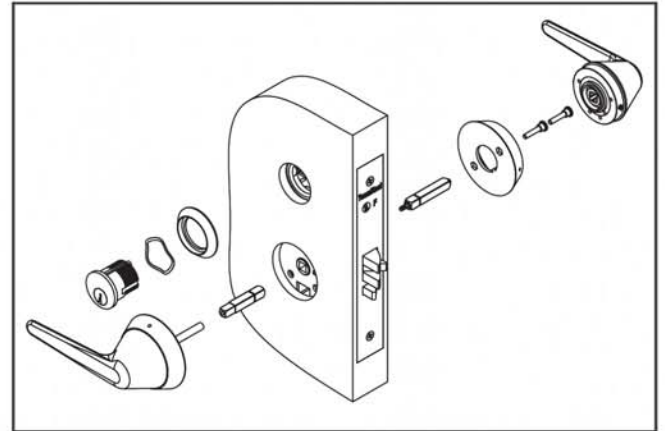
MRX-A-04-IC-LH

1. MRX-A: Ligature Resistant Mortise Arch Trim
2. 04: ANSI F-04 function
3. IC: Small format IC less core (Optional)
4. LH: Left hand door

Important Note:

It is TownSteel's position that if any of our keyed locks are to be used less cylinder, whether I.C. or standard, and another manufacturer's cylinder is to be used in place of the TownSteel original manufacturer's cylinder, that a sample of that product be provided to TownSteel in advance for testing.

MRX-L ANSI Grade 1 Mortise Lock with Ligature Resistant Trim-Lever



Specification

- For facilities housing patient at risk
- For 1-3/4" door thickness, other upon request
- 2-3/4" backset
- Handed, field reversible
- US32D finish
- Stainless steel rose (MRX-S-L), 2-3/4" in diameter
- Stainless steel escutcheon (MRX-E-L), 8" x 3-1/4"x1/8"
- Stainless steel lever, ligature resistant
- Stainless steel turn piece, ligature resistant, ADA
- Stainless steel faceplate, 1-1/4" x 8"
- Stainless steel strike, ASA, 1-1/4" x 4-7/8"
- Through-bolt mounting, tamper resistant mounting screws, for wood and metal door
- Brass cylinder with stainless steel cover, 6pin, Schlage "C" keyway standard, 2 keys per cylinder
- Small Format IC available with or without core, 6 or 7pin core
- Schlage Large Format IC available in less core
- Corbin Large Format IC available in less core, for 6pin core
- High Security Cylinder available, TownSteel "L" keyway, 6pin
- High Security Small Format IC Core available, TownSteel "L" keyway, 7pin
- 10 years limited warranty

Code Compliance

OMH	Accepted by New York State Office of Mental Health Patient Safety Standard
ANSI/BHMA	A156.13-2012 Grade 1 Certified
UL/ULC	UL 10C listed 3-hour rating

BAA Meets requirements of the Buy American Act
ADA Meets requirements of the Americans with Disabilities Act



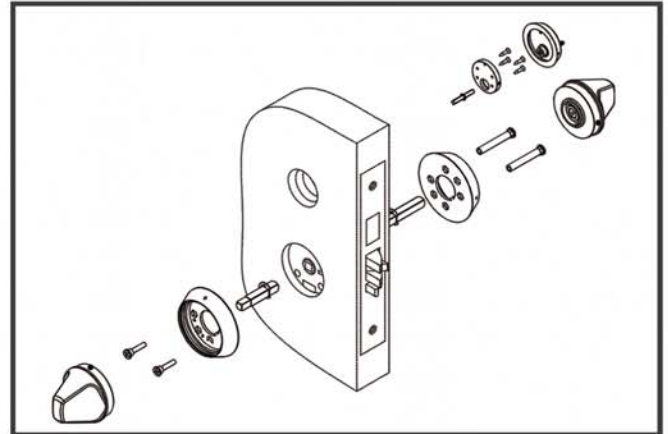
How To Order

Trim	MRX-E-L Ligature Resistant Lever Mortise-Escutcheon Trim MRX-S-L Ligature Resistant Lever Mortise-Sectional Trim
Function	Please Refer to Function Sheet
IC	IC Less Core (Optional, Specify when ordering)
Example MRX-E-L-04-IC 1. Ligature Resistant Lever Mortise - Escutcheon Trim _____ 2. Function _____ 3. IC (optional) _____	

Important Note:

It is TownSteel's position that if any of our keyed locks are to be used less cylinder, whether I.C. or standard, and another manufacturer's cylinder is to be used in place of the TownSteel original manufacturer's cylinder, that a sample of that product be provided to TownSteel in advance for testing.

MRX-K ANSI Grade 1 Mortise Lock with Ligature Resistant Trim-Knob



Specification

- For facilities housing patients at risk
- For 1-3/4" door thickness, other upon request
- 2-3/4" backset
- Handed, field reversible
- US32D finish
- Stainless steel rose (MRX-S-K), 2" in diameter
- Stainless steel escutcheon (MRX-E-K), 8" x 3-1/4" x 1/8"
- Stainless steel knob, ligature resistant
- Stainless steel turn piece
- Stainless steel faceplate, 1-1/4" x 8"
- Stainless steel strike, ASA, 1-1/4" x 4-7/8"
- Through-bolt mounting, tamper resistant mounting screws, for wood and metal door
- Brass cylinder with stainless steel cover, 6 pin, Schlage "C" keyway standard, 2 keys per cylinder
- Small Format IC available with or without core, 6 or 7 pin core
- Schlage Large Format IC available in less core
- Corbin Large Format IC available in less core, for 6 pin core
- High Security Cylinder available, TownSteel "L" keyway, 6 pin
- High Security Small Format IC Core available, TownSteel "L" keyway, 7 pin
- 10 years limited warranty

Code Compliance

ANSI/BHMA A156.13-2012 Grade 1 Certified
UL/ULC UL 10C listed 3-hour rating

BAA Meets requirements of the Buy American Act



How To Order

Trim	MRX-E-K Ligature Resistant Mortise-Escutcheon Trim MRX-S-L Ligature Resistant Mortise-Sectional Trim
Function	Please Refer to Function Sheet
IC	IC Less Core (Optional, Specify when ordering)
Example MRX-E-K-04-IC 1. Ligature Resistant Knob Mortise - Escutcheon Trim _____ 2. Function _____ 3. IC (optional) _____	

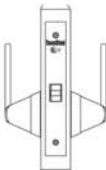
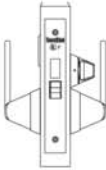
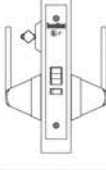
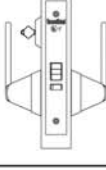
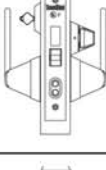
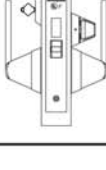
Important Note:

It is TownSteel's position that if any of our keyed locks are to be used less cylinder, whether I.C. or standard, and another manufacturer's cylinder is to be used in place of the TownSteel original manufacturer's cylinder, that a sample of that product be provided to TownSteel in advance for testing.

Ligature Resistant Mortise Series

Functions*

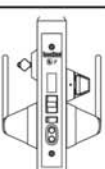
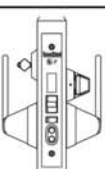
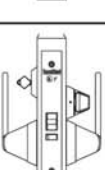
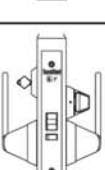
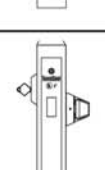
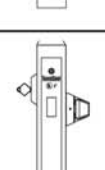
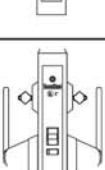
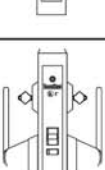
*Levers rotate up and down freely in the locked or unlocked positions

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		MRXL-01 MRXX-01 MRXA-01	Passage or Closet	F01	Latch bolt operated by lever from either side at all times.
		MRXL-02 MRXX-02 MRXA-02	Privacy or Bathroom	F02	Latch bolt operated by lever from either side. Dead bolt operated by turn from inside and emergency release from outside.
		MRXL-04 MRXX-04 MRXA-04	Entry/ Office	F04	Latch bolt operated by lever from either side, except when outside lever is made inoperative by a push button rocker. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever. ***Auxiliary dead latch.
		MRXL-05 MRXX-05 MRXA-05	Classroom	F05	Latch bolt operated by lever from either side, except when outside lever is locked from outside by key. When outside lever is locked, latch bolt may be retracted by key, or by operating key and outside lever or by operating inside lever. ***Auxiliary dead latch.
		MRXL-07 MRXX-07 MRXA-07	Storeroom or Closet	F07	Latch bolt operated by key from outside or by rotating inside lever. Outside lever is always inoperative. ***Auxiliary dead latch.
		MRXL-08 MRXX-08 MRXA-08	Front Door or Corridor Lock	F08	Latch bolt operated by lever from either side, except when outside lever is made inoperative by a push button rocker. Dead bolt is operated by turn inside. Key outside operates both bolts.
		MRXL-12 MRXX-12 MRXA-12	Dormitory or Exit	F12	Latch bolt operated by lever from either side, except when outside lever is made inoperative by a push button rocker. Dead bolt projected by key from outside and by turn from inside. Deadbolt retracted by key from outside and by turn from inside. Operating inside lever retracts both bolts and outside remains locked.
		MRXL-13 MRXX-13 MRXA-13	Dormitory or Exit	F13	Latch bolt operated by lever from either side. Dead bolt projected by key from outside and thumb turn from inside. Operating inside lever retracts both bolts and unlocks outside.

Ligature Resistant Mortise Series

Functions*

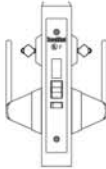
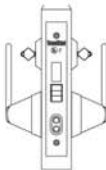
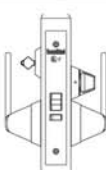
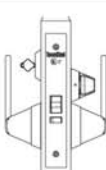
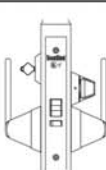
*Levers rotate up and down freely in the locked or unlocked positions

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		MRXL-14 MRXA-14	Store Door Lock	F14	Latch bolt operated by lever from either side. Dead bolt operated by key from either side.
		MRXL-15 MRXK-15 MRXA-15	Hotel or Motel	F15	Latch bolt operated by key from outside or by rotating inside lever. Outside lever is always inoperative. Dead bolt operated by thumb turn from inside and all keys except emergency and display key are shut out. Operating inside lever retracts both bolts. ***Auxiliary dead latch.
		MRXL-19 MRXK-19 MRXA-19	Privacy or Bathroom	F19	Latch bolt operated by lever from either side. Dead bolt operated by turn from inside and emergency release from outside. Operating inside lever retracts both bolts.
		MRXL-20 MRXK-20 MRXA-20	Apartment/ Corridor	F20	Latch bolt operated by lever from either side, except when outside lever is made inoperative by push button rocker. Dead bolt projected by key from outside and by thumb turn from inside. Key outside operates both bolts. Operating inside lever retracts both bolts and outside remains locked. Latch bolt is deadlocked when outside lever is made inoperative or when the dead bolt is projected. When dead bolt is retracted, lever is unlocked by stop or mechanical means other than key.
		MRXL-22 MRXK-22 MRXA-22	Privacy	F22	Latch bolt operated by lever from either side, except when outside lever is locked by inside turn. Operating inside lever, closing door or operating outside emergency release unlocks outside lever.
		MRXL-26 MRXK-26	Institutional Privacy	F26	Latch bolt operated by lever from either side except when outside lever is locked by turn inside. Latch bolt operated by key outside with override of turn inside when manually held in locked position. Operating inside lever or closing door unlocks outside lever. ***Auxiliary dead latch.
		MRXL-29 MRXK-29 MRXA-29	Classroom Dead Lock	F29	Key from outside operates dead bolt. Turn from inside retracts but does not project dead bolt.
		MRXL-30 MRXK-30 MRXA-30	Institutional	F30	Latch bolt operated by key either side. Both levers always inoperative. ***Auxiliary dead latch.

Ligature Resistant Mortise Series

Functions*

*Levers rotate up and down freely in the locked or unlocked positions

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		MRXL-32 MRXK-32 MRXA-32	Intruder Latch bolt	F32	Latch bolt operated by lever either side, except when outside lever is locked from inside or outside by key. When outside lever is locked, latch bolt is retracted by key from inside or outside or by operating inside lever. ***Auxiliary dead latch
		MRXL-33 MRXK-33 MRXA-33	Intruder Dead bolt	F33	Latch bolt operated by lever either side, except when outside lever is locked from inside or outside by key. Dead bolt operated by key either side. Inside lever retracts both bolts and unlocks outside lever.
		MRXL-34 MRXK-34 MRXA-34	Intruder Dead bolt	F34	Latch bolt operated by lever either side, except when outside lever is locked from inside or outside by key. Dead bolt operated by key either side. Operating inside lever retracts both bolts and unlocks outside. *** Auxiliary dead latch or latch bolt dead locked when dead bolt is thrown.
		MRXL-35 MRXK-35 MRXA-35	Storeroom with Dead bolt	F35	Latch bolt operated by lever from either side, except when outside lever is made inoperative by a push button rocker. Dead bolt operated by key from either side.
		MRXL-46 MRXK-46	Institutional Privacy with key locked feature		Latch bolt operated by lever from either side except when outside lever is locked by turn inside or key outside. Latch bolt operated by key outside with override of turn inside when manually held in locked position. Operating inside lever or closing door unlocks outside lever. ***Auxiliary dead latch.
		MRXL-RF MRXK-RF	Female Privacy RF		Latch bolt operated by lever from either side except when outside lever is locked from outside by key or inside turn. When outside lever is locked latch bolt may be retracted by inside lever or outside lever when unlocked by key. Inside lever retracts the latch bolt but does not unlock the outside lever.
		MRXL-LTF MRXK-LTF	Female Privacy LTF		Latch bolt operated by lever from either side except when outside lever is locked from outside by key or inside turn. When outside lever is locked latch bolt may be retracted by inside lever or outside lever when unlocked by key. Operating the inside lever or closing the door unlocks the outside lever.

CRX-A ANSI Grade 1 Cylindrical Lock with Ligature Resistant Trim-Arch



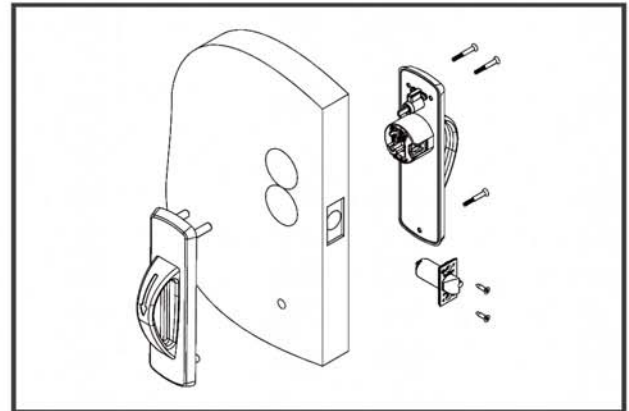
Specification

- ANSI Grade 1 heavy duty cylindrical with 5-point ligature resistant arch trim
- Backset 2-3/4" standard, 5" optional
- Door thickness: 1-3/4"-2", other upon request
- Stainless steel arch trim, 2-5/8" projection
- Stainless steel plate, 9-5/8" x 2-13/16"
- Stainless steel deadlocking latch bolt, 1/2" throw
- Stainless steel ASA strike standard
- Tamper resistant mounting screws
- Handed
- Schlage "C" keyway, brass 6 pin cylinder standard
- Best® Small Format I.C. available, 6 or 7 Pin, with or without core
- Schlage® Large Format I.C. less core available
- Corbin® Large Format I.C. less core available
- High security cylinder available, TownSteel "L" keyway, 6 pin
- KD standard, KA, MK, GMK, GGMK and construction keying available
- Available functions: F-75, 76, 84, 86, Single Dummy (F-41), Pair Dummy (F-72)
- Door Prep: 161 plus 2-1/8" cylinder hole and 1/2" bottom post hole
- 10-year Manufacturer's Limited Warranty

Code Compliance

OMH Accepted by New York State Office of Mental Health Patient Safety Standard

ANSI/BHMA Complies with ANSI/BHMA A156.2-2011 Grade 1



UL/ULC UL 10C Listed 3-Hour Fire Rating

ADA Meets guidelines of The Americans with Disabilities Act

BAA Meets requirements of The Buy American Act



How To Order

Series	CRX-A: Heavy Duty Ligature Resistant Cylindrical
Function	ANSI F-75, 76, 84, 86, 41, 72
Handing	LH, RH, LHR, RHR
Cylinder/Keying	Specify when ordering

Example

1. CRX-A: Heavy Duty Ligature Resistant Cylindrical
2. 75: F-75 Passage
3. LH: Left Handed

CRX-A-75-LH

Important Note:

It is TownSteel's position that if any of our keyed locks are to be used less cylinder, whether I.C. or standard, and another manufacturer's cylinder is to be used in place of the TownSteel original manufacturer's cylinder, that a sample of that product be provided to TownSteel in advance for testing.

TRX-L ANSI Grade 1 Cylindrical Lock with Ligature Resistant Trim-Lever

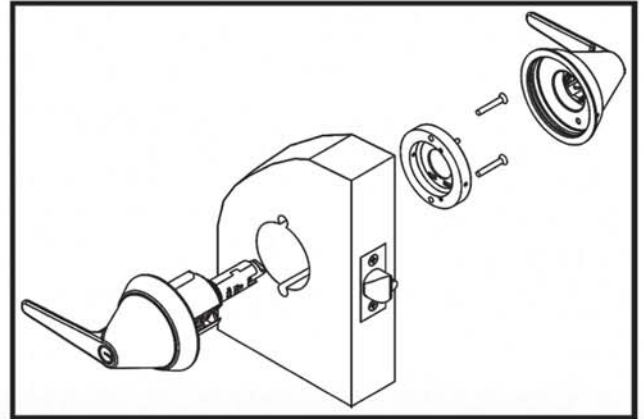


Specification

- For facilities housing patients at risk
- For door thickness 1-3/4"-2"
- 2-3/4" backset standard, 5" optional
- Non-handed
- Refer to function sheet for available functions
- US32D finish
- Stainless steel rose, 3-5/8" in diameter
- Stainless steel lever, ligature resistant
- Stainless steel faceplate, 1-1/8"x 2-1/4"
- Stainless steel strike, ASA, 1-1/4"x4-7/8"
- Through-bolt mounting, tamper resistant mounting screws, for wood and metal door
- Brass cylinder with stainless steel cover, 6 pin, Schalgé "C" keyway standard, 2 keys per cylinder
- Small Format IC available with or without core, 6 or 7 pin core
- High Security Cylinder available, TownSteel "L" keyway, 6 pin
- High Security Small Format IC Core available, TownSteel "L" keyway, 7 pin
- 10 years limited warranty

Code Compliance

OMH	Accepted by New York State Office of Mental Health Patient Safety Standard
ANSI/BHMA	A156.2-2011 Grade 1 Certified
UL/ULC	UL 10C listed 3-hour rating



BAA Meets requirements of the Buy American Act
ADA Meets requirements of the Americans with Disabilities Act



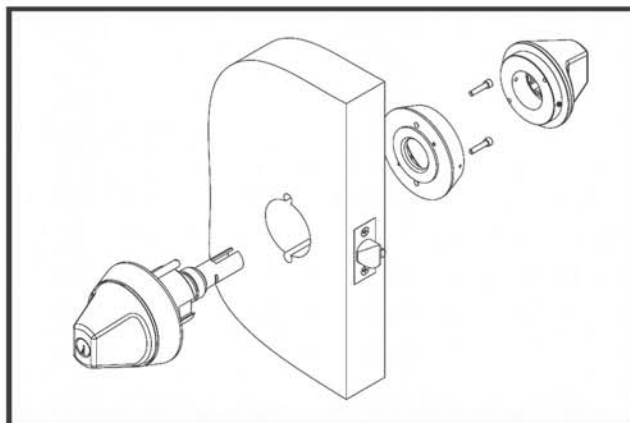
How To Order

Trim	TRX-L Ligature Resistant Lever Grade 1 Cylindrical Lock
Function	Please Refer to Function Sheet
IC	IC
Example TRX-L-81-IC 1. Ligature Resistant Lever Cylindrical 2. Function 3. IC (optional)	

Important Note:

It is TownSteel's position that if any of our keyed locks are to be used less cylinder, whether I.C. or standard, and another manufacturer's cylinder is to be used in place of the TownSteel original manufacturer's cylinder, that a sample of that product be provided to TownSteel in advance for testing.

CRX-K ANSI Grade 1 Cylindrical Lock with Ligature Resistant Trim-Knob



Specification

- For facilities housing patients at risk
- For door thickness 1-3/4"-2"
- 2-3/4" backset standard, 5" optional
- Non-handed
- Refer to Function Section for available functions
- US32D finish
- Stainless steel rose, 4" in diameter
- Stainless steel knob, ligature resistant
- Stainless steel faceplate 1-1/8" x 2-1/4"
- Stainless steel strike, ASA, 1-1/4" x 4-7/8"
- Through-bolt mounting, tamper resistant mounting screws, for wood and metal door
- Brass cylinder with stainless steel cover, 6 pin, Schalte "C" keyway standard, 2 keys per cylinder
- Small Format IC not available
- High Security Cylinder available, TownSteel "L" keyway, 6 pin
- 10 years limited warranty

Code Compliance

ANSI/BHMA	Complies with ANSI/BHMA A156.2-2011 Grade 1
UL/ULC	UL 10C listed 3-hour rating
BAA	Meets requirements of the Buy American Act



How To Order

Trim	CRX-K Ligature Resistant Knob Grade 1 Cylindrical Lock
Function	Please Refer to Function Sheet
Example 1. Ligature Resistant Knob Cylindrical 2. Function CRX-K-84	

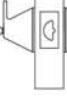
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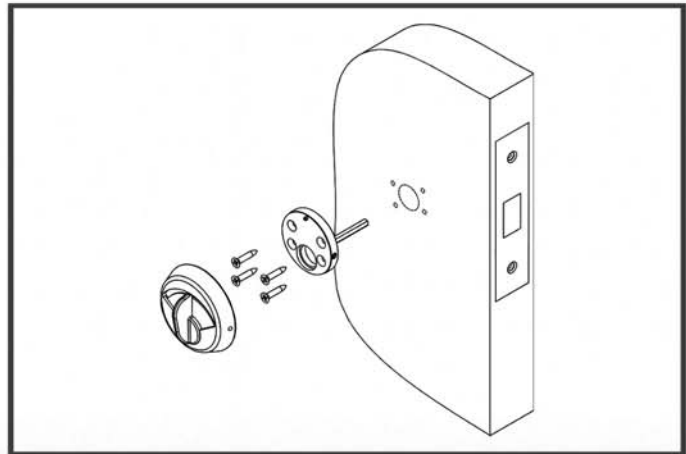
Ligature Resistant Cylindrical Series

Functions*

*Levers rotate up and down freely in the locked or unlocked positions

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		CRXA-41	Single Dummy		Dummy trim on one side, blank plate on the other side.
		CRXA-72 CRXK-72 TRXL-72	Double Dummy	F72	Dummy trim on both sides.
		CRXA-75 CRXK-75 TRXL-75	Passage / Closet	F75	Latch bolt operated by lever or knob from either side at all times.
		CRXA-76 CRXK-76 TRXL-76	Privacy	F76	Latch bolt operated by lever or knob from either side. Outside lever or knob is locked by push button inside and unlocked by emergency release outside, operating inside lever or knob or closing door.
		CRXK-81	Entry / Office	F81	Turn/Push button locking. Pushing and turning button locks outside lever or knob requiring use of key until button is manually unlocked. Pushing button locks outside lever or knob until unlocked from outside by key or operating inside lever or knob. Dead locking latch bolt.
		CRXA-84 CRXK-84 TRXL-84	Classroom	F84	Deadlocking latch bolt operated by lever or knob from either side except when outside lever or knob is locked from outside by key. When outside lever or knob is locked, latch bolt is operated by key in outside lever or knob or operating inside lever or knob.
		CRXA-86 CRXK-86 TRXL-86	Storeroom	F86	Deadlocking latch bolt operated by key in outside lever or knob or operating inside lever or knob. Outside lever or knob is always non-active.
		CRXK-87 TRXL-87	Asylum	F87	Deadlocking latch bolt operated by key in lever or knob from either side. Both levers or knobs always non-active.
		TRXL-109	Entry/Office	F109	Dead locking latch bolt operated by lever from either side except when outside lever is locked by the push or turn button on inside. Key outside or operating inside lever releases push or turn button unlocking outside lever except when push or turn button has been rotated to keep outside lever locked. Inside push or turn button must be manually operated to unlock outside lever. Inside lever always operates latch bolt
		CRXK-110 TRXL-110	Classroom Intruder	F110	Deadlocking Latch bolt operated by knob from either side except when outside knob is locked from the inside or outside by key. When outside knob is locked latch bolt is operated by inside knob or unlocked by key in outside or inside knob.

DRX ANSI Grade 1 Mortise Deadbolt Lock with Ligature Resistant Thumb Turn



DRX Series- Heavy duty commercial quality deadbolt that provides a positive deterrent to forced entry. The health safety thumb turn design enhances opportunity to reduce accidents in health care facilities, detention centers and potential high risk areas. It is also designed to be an integral part of your Accident Prevention and Safety Program. Schlage C keyway, standard Small Format 6 or 7 pin Interchangeable Core (SFIC) available. 32D Finish. ADA Turn piece available



How To Order

Trim	DRX Ligature Resistant Knob Deadbolt Lock
Function	F09, F07, F18
Example DRX-18	
1. Ligature Resistant Knob Deadbolt	_____
2. Function	_____

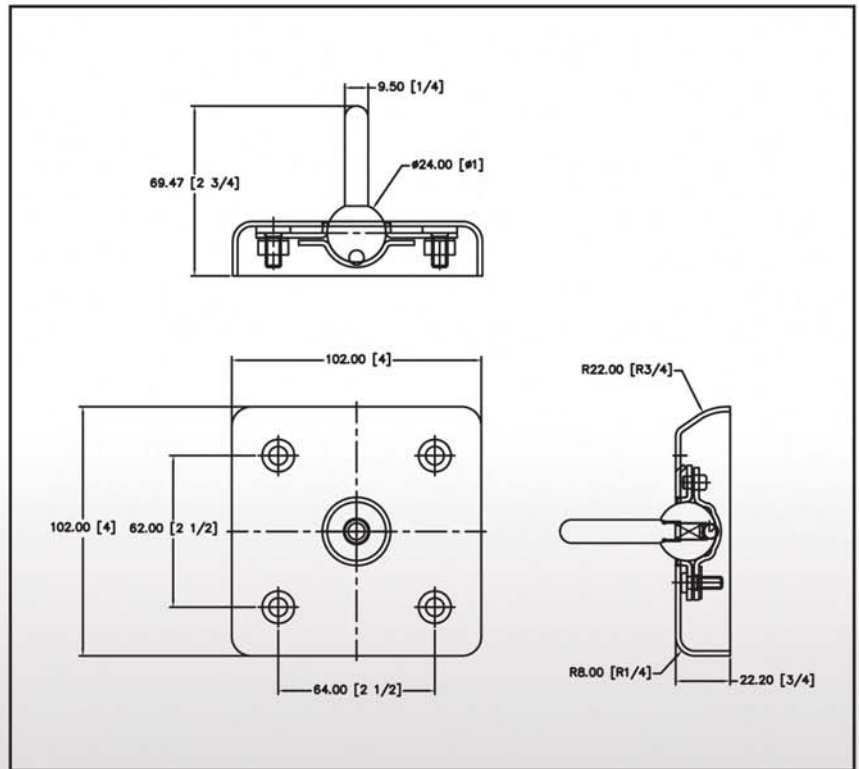
DRX Functions

ANSI F09		Deadbolt operated by key from outside and turn from inside turn retracts but does not project deadbolt
ANSI F07		Deadbolt operated by key from outside and turn from inside
ANSI F18		Deadbolt operated by turn from inside only, no trim on other side

Important Note:

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VRH Ligature Resistant Hook

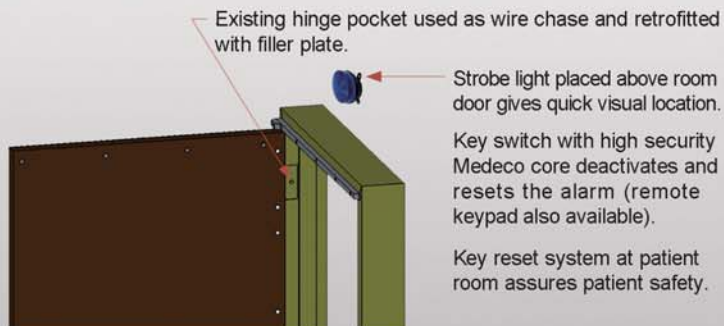
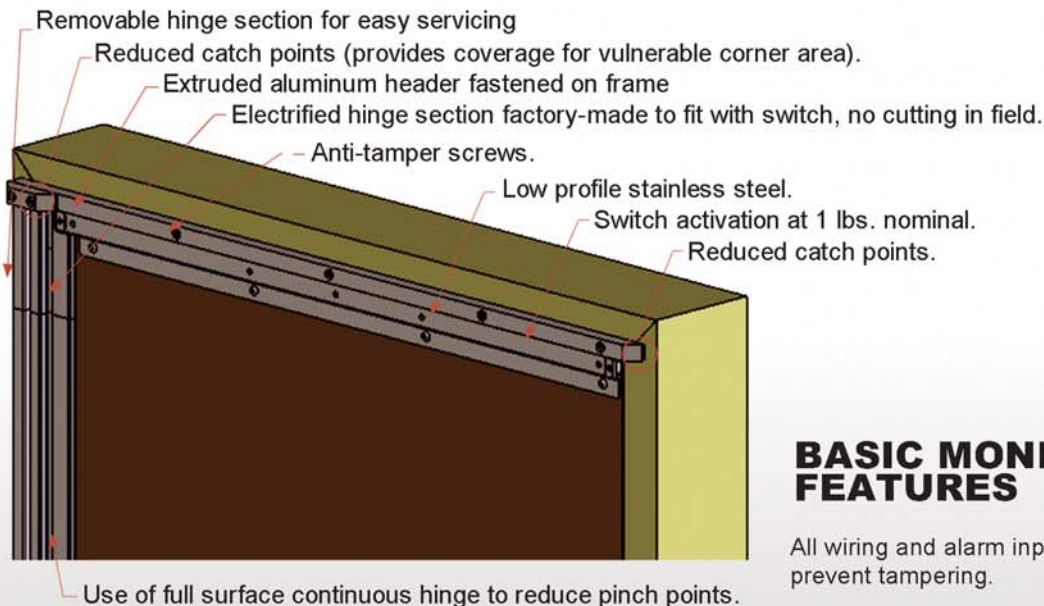


FEATURES

- Ideal for hospital, school and other institutions
- 14 gauge heavy duty 18-8, type-304 stainless steel backplate
- Stainless steel pivoting ball joint releases when over 10lbs of force applied
- Pivoting ball tension adjustable
- Surface mounted
- Furnished with tamper resistant #14 x 1 1/2" wood screws
- Available finish: Satin Stainless Steel (US32D)

TDS Ligature Resistant Door Switch

TDS Door Switch -Ligature Resistant Device for facilities housing patients at risk



Example of Basic Monitoring Keypad Console

BASIC MONITORING PANEL FEATURES

All wiring and alarm input/output devices are supervised to prevent tampering.

48 double door, 96 single door rooms available on single basic panel. Up to eight panels can be linked together to monitor a total of 384-788 rooms.

Keypad console audible indicator and two-line, 32 character LCD display alerts an alarm condition or system trouble at nurses' station.

Main panel provides an event log (history log) that can store up to 512 events. Logged events can be viewed on keypad console.

Keypad or laptop programmable.

Keypad "beep" walk test feature performed without triggering sirens and strobes.

Independently controlled notification devices (sirens) can be stationed in wings, floors and/or other designated areas of a facility.

Panel is UL, ULC, CSFM, FM, MEA.

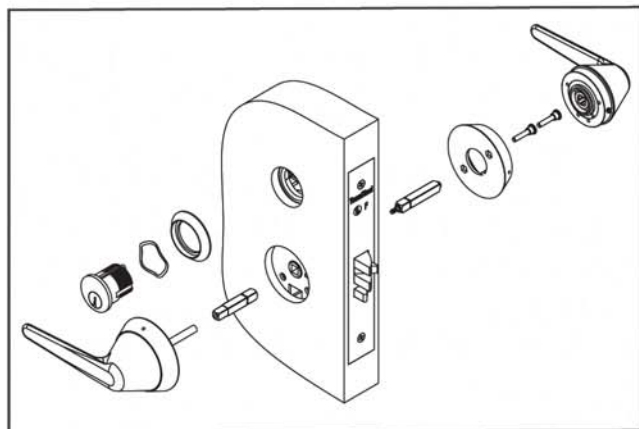
NEW ! Townsteel Door Switch

The TownSteel Door Switch is a patented design. (US Patent No. RE42,991)

For more information, please visit www.townsteel.com or call toll free at (877) 858-0888

XMRXA

Electrified Ligature Resistant Mortise Lock



Mechanical Specification

- ANSI Grade 1 heavy duty mortise lock with 5-point ligature resistant arch trim
- Backset 2-3/4"
- Door thickness: 1-3/4" standard, other upon request
- Stainless steel arch trim
- Stainless steel latch bolt, split, anti-friction, 3/4" throw
- Stainless steel dead bolt, with anti-saw pins, 1" projection
- Stainless steel ADA thumb turn standard
- Stainless steel ANSI strike
- Tamper resistant stainless steel mounting screws
- Handed
- Schlage "C" keyway, brass 6 pin cylinder standard
- SFIC with or less core available, 6 or 7 pin core
- LFIC less core available
- Corbin® LFIC less core available
- High security cylinder available, TownSteel "L" keyway, 6 pin
- High security SFIC core available, TownSteel "L" keyway, 7 pin
- KD, KA, MK, GMK, GGMK and construction keying available
- Available finish: US32D
- 10-year Manufacturer's Limited Warranty

Electrified Specification

- 24VDC or 12VDC
- Fail Safe or Fail Secure
- 3 Monitoring capabilities
 - Request-For-Exit
 - Door Position
 - Latch Position

Code Compliance

- ANSI/BHMA** A156.13-2012 Grade 1 Certified
UL/ULC UL 10C Listed 3-Hour Fire Rating
BAA Meets requirements of The Buy American Act
ADA Meets requirement of The Americans with Disabilities Act



How To Order

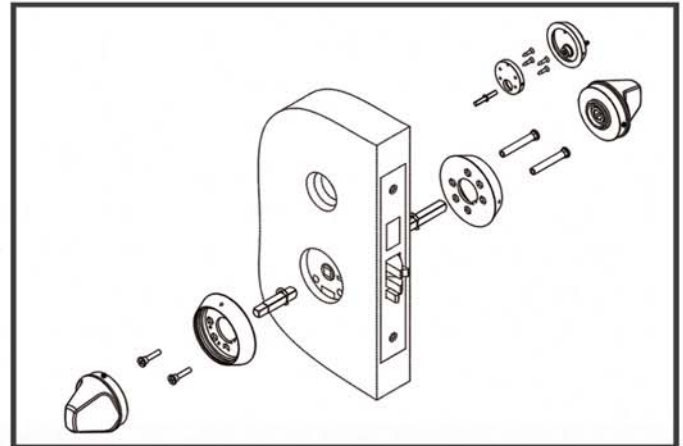
Trim	XMRX-A Electrified Ligature Resistant Lever Mortise with Arch Trim
Function	Please Refer to Electrified Function Sheet
Keying/Cylinder	Specify when ordering
Handing	LH, RH, LHR, RHR
Example	
1. Ligature Resistant Lever Mortise - Escutcheon Trim	XMRX-A-121-LH
2. Function	
3. LH	

Important Note:

It is TownSteel's position that if any of our keyed locks are to be used less cylinder, whether I.C. or standard, and another manufacturer's cylinder is to be used in place of the TownSteel original manufacturer's cylinder, that a sample of that product be provided to TownSteel in advance for testing.

XMRXK

Electrified Ligature Resistant Mortise Lock



Mechanical Specification

- ANSI Grade 1 heavy duty mortise lock with ligature resistant safety knob trim
- Escutcheon (XMRX-E-K) or sectional (XMRX-S-K) trim set
- Backset 2-3/4"
- Door thickness: 1-3/4" standard, other upon request
- Stainless steel knob trim
- Stainless steel latch bolt, split, anti-friction, 3/4" throw
- Stainless steel dead bolt, with anti-saw pins, 1" projection
- Stainless steel thumb turn
- Stainless steel ANSI strike
- Tamper resistant stainless steel mounting screws
- Handing field reversible
- Schlage "C" keyway, brass 6 pin cylinder standard
- SFIC with or less core available, 6 or 7 pin core
- Schlage® LFIC less core available
- Corbin® LFIC less core available
- High security cylinder available, TownSteel " L" keyway, 6 pin
- High security SFIC core available, TownSteel " L" keyway, 7 pin
- Keyed Different standard, KA, MK, GMK, GGMK and construction keying available
- Available finish: US32D
- 10-year Manufacturer's Limited Warranty

Electrified Specification

- 24VDC or 12VDC
- Fail Safe or Fail Secure
- 3 Monitoring capabilities
 - Request-to-Exit
 - Door Position
 - Latch Position

Code Compliance

- ANSI/BHMA A156.13-2012 Grade 1 Certified
UL/ULC UL 10C Listed 3-Hour Fire Rating
BAA Meets requirements of The Buy American Act



How To Order

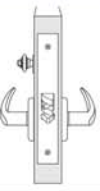
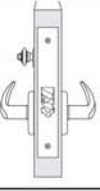
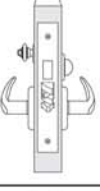
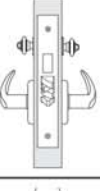
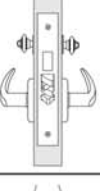
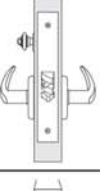
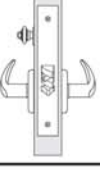
Trim	XMRX-E-K Electrified Ligature Resistant Mortise - Escutcheon Trim with Knob XMRX-S-K Electrified Ligature Resistant Mortise - Sectional Trim with Knob
Function	Please Refer to Electrified Function Sheet
Keying/Cylinder	Specify when ordering
Handing	LH, RH, LHR, RHR
Example	
1. Ligature Resistant Lever Mortise - Escutcheon Trim	XMRX-E-K-121-LH
2. Function	
3. LH	

Important Note:

It is TownSteel's position that if any of our keyed locks are to be used less cylinder, whether I.C. or standard, and another manufacturer's cylinder is to be used in place of the TownSteel's original manufacturer's cylinder, that a sample of that product be provided to TownSteel in advance for testing.

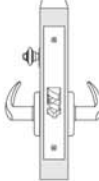
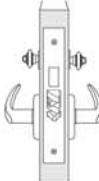
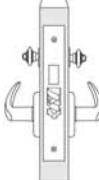
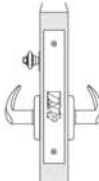
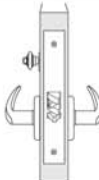
Electrified Mortise Lock Function Sheet

Functions

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		121	12VDC Fail Safe, 3-position monitoring	N/A	12VDC voltage, fail safe, Monitors Request-to-Exit, Door Position Status and Latch Position Status. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. When locked, latch bolt can be retracted by key. Auxiliary latch bolt.
		122	12VDC Fail Secure 3-position monitoring	N/A	12VDC voltage, fail secure, Monitors Request-to-Exit, Door Position Status and Latch Position Status. Powered unit latch bolt is operated by lever from either side. When no power is applied outside lever is locked. When locked, latch bolt can be retracted by key. Auxiliary latch bolt.
		121DB	12VDC Fail Safe Dead Bolt RQE	N/A	12VDC voltage, fail safe, with Dead Bolt, Monitors Request-to-Exit. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. Dead bolt can be operated from outside with key and inside by thumb turn. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		122DB	12VDC Fail Secure Dead Bolt RQE	N/A	12VDC voltage, fail secure, with Dead Bolt, Monitors Request-to-Exit. Powered unit latch bolt is operated by lever from either side. When no power is applied outside lever is locked. Dead bolt can be operated from outside with key and inside by thumb turn. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		121DC	12VDC Fail Safe Dead Bolt RQE	N/A	12VDC voltage, fail safe, with Dead Bolt, Monitors Request-to-Exit. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. Dead bolt can be operated from inside and outside with key. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		122DC	12VDC Fail Secure Dead Bolt RQE	N/A	12VDC voltage, fail secure, with Dead Bolt, Monitors Request-to-Exit. Powered unit latch bolt is operated by lever from either side. When no power is applied outside lever is locked. Dead bolt can be operated from inside and outside with key. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		121RQE	12VDC Fail Safe RQE	N/A	12VDC voltage, fail safe, Monitors Request-to-Exit. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. When locked, latch bolt can be retracted by key from outside. Auxiliary latch bolt.
		122RQE	12VDC Fail Secure RQE	N/A	12VDC voltage, fail secure, Monitors Request-to-Exit. Powered unit latch bolt is operated by lever from either side. When no power is applied, outside lever is locked. When locked, latch bolt can be retracted by key from outside. Auxiliary latch bolt.

Electrified Mortise Lock Function Sheet

Functions*

Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		241	24VDC Fail Safe 3-position monitoring	N/A	24VDC, fail safe, Monitors Request-to-Exit, Door Position Status and Latch Position Status. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. When locked, the latch bolt can be retracted by key. Auxiliary latch bolt.
		242	24VDC Fail Secure 3-position monitoring	N/A	24VDC, fail secure, Monitors Request-to-Exit, Door Position Status and Latch Position Status. Powered unit latch bolt is operated by lever from either side. When no power is applied outside lever is locked. When locked, latch bolt can be retracted by key. Auxiliary latch bolt.
		241DB	24VDC Fail Safe Dead Bolt RQE	N/A	24VDC voltage, fail safe, with Dead Bolt, Monitors Request-to-Exit. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. Dead bolt can be operated from outside with key and inside by thumb turn. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		242DB	24VDC Fail Secure Dead Bolt RQE	N/A	24VDC voltage, fail secure, with Dead Bolt, Monitors Request-to-Exit. Powered unit latch bolt is operated by lever from either side. When no power is applied outside lever is locked. Dead bolt can be operated from outside with key and inside by thumb turn. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		241DC	24VDC Fail Safe Dead Bolt RQE	N/A	24VDC voltage, fail safe, with Dead Bolt, Monitors Request-to-Exit. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. Dead bolt can be operated from inside and outside with key. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		242DC	24VDC Fail Secure Dead Bolt RQE	N/A	24VDC voltage, fail secure, with Dead Bolt, Monitors Request-to-Exit. Powered unit latch bolt is operated by lever from either side. When no power is applied outside lever is locked. Dead bolt can be operated from inside and outside with key. When locked, latch bolt can be retracted by key. Rotating inside lever retracts both bolts. Auxiliary latch bolt.
		241RQE	24VDC Fail Safe RQE	N/A	24VDC voltage, fail safe, Monitors Request-to-Exit. Latch bolt is operated by lever from either side when no power is supplied. Powering unit locks outside lever. When locked, latch bolt can be retracted by key from outside. Auxiliary latch bolt.
		242RQE	24VDC Fail Secure RQE	N/A	24VDC voltage, fail secure, Monitors Request-to-Exit. Powered unit latch bolt is operated by lever from either side. When no power is applied, outside lever is locked. When locked, latch bolt can be retracted by key from outside. Auxiliary latch bolt.

Ligature Resistant Project References



MRX-L

- VA Medical Center, Murfreesboro, TN
- VA Medical Center, Nashville, TN
- VA Medical Center, Marion, IL
- VA Medical Center, Salt Lake City, UT
- VA Medical Center, Dayton, OH
- VA Hospital, Tampa, FL
- Forest View Hospital, Wyoming, MI
- Kingbrook Jewish Medical Center, Brooklyn, NY
- Capistrano Care Facility, San Juan Capistrano, CA
- Eastern L.I. Hospital, Greenport, NY
- New York Presbyterian Hospital, New York, NY
- Summit Ridge Hospital, Lawrenceville, GA
- VA Hospital, Tucson, AZ
- First Judicial District, Waterloo, IA
- Navy Medical Center Mental Health Bldg., San Diego, CA
- MSJ ER Psych Eval., Ashville, NC
- North Star Hospital, Anchorage, AK
- Pima Hospital, Tucson, AZ
- Johns Hopkins Hospital, Baltimore, MD
- Holly Hill Hospital, Raleigh, NC
- Jacobi Medical Center, Bronx, NY
- Meadows Hospital, Centre Hall, PA



Other Ligature Resistant Products

- VA Medical Center, Marion, IL
- VA Medical Center, Murfreesboro, TN
- VA Medical Center, Jackson, MS
- Moberly Regional Hospital, Moberly, MO
- Dixie Regional Hospital, St. George, UT
- Fairfax Hospital, Falls Church, Virginia
- St. Elizabeth Medical Center, Youngstown, OH
- St. Joseph Medical Center, Towson, MD
- Carolina East Health Care, New Bern, NC
- Northern Westchester Hospital, Mt. Kisco, NY
- Abington Hospital, Abington, PA
- Central State Hospital, Milledgeville, GA
- East Central Georgia Regional Hospital, Augusta, GA
- St. Mary's Hospital, Richmond, VA
- Larue D. Carter Memorial, Indianapolis, IN
- Hoboken Hospital, Hoboken, NJ
- Clarks Summit State Hospital, Clarks Summit, PA
- Memorial Hospital, Stillwell, OK
- Thomas B Finan Center, Cumberland, MD
- Balboa Hospital, San Diego, CA
- Capistrano Care Facility, San Juan Capistrano, CA
- Four Winds Hospital, Saratoga Springs, NY
- Lutheran Social Services, Sioux Falls, SD
- Olean General Hospital, Olean, NY
- Kaiser Hospital, Los Angeles, CA
- Northwest GA Regional Hospital, Rome, GA
- Howard Community Hospital, Kokomo, IN
- Vanderbilt Hospital, Nashville, TN
- Friends Behavioural Health System, Philadelphia, PA
- Medical Center of McKinney & Wysong Campus, McKinney, TX
- Canyon Hills Center-Luth Social, Spearfish, SD
- Children's Hospital, Dallas, TX
- Sarasota Memorial Public Hospital, Sarasota, FL
- Lewis Gail Hospital, Salem, VA
- Nova House, Dayton, OH
- VA Hospital, Loma Linda, CA
- Harrisonburg-Rockingham Community Services Board, Harrisonburg, VA
- CPSA, Tucson, AZ
- Adventist Health, Rockville, MD
- North Memorial Med Center, Robbinsdale, MN
- Flushing Hospital Medical Center, Flushing, NY



MRX-K

- VA Hospital, North Chicago, IL
- University of Maryland Medical Center, Baltimore, MD
- NYP Adolescent Separation, New York, NY
- Gustavus Adolphus Home, Jamestown, NY



CRX-K

- Aurora Health Care, Wauwatosa, WI
- South Oaks Hospital, Long Island, NY
- Terre Haute Regional Hospital, Terre Haute, IN
- Oswego Hospital, Oswego, NY
- Research Psychiatric Center, Kansas City, MO
- West Central Georgia Regional Hospital, Columbus, GA
- Sentara Norfolk Hospital, Virginia Beach, VA
- KMC-Sycamore Hospital, Miamisburg, OH
- Long Island South Oaks Manor, Amityville, NY



DRX

- VA Central Alabama Medical Center, Montgomery, AL
- Charlotte Behavioral Health Care, Punta Gorda, FL



17901 Railroad Street, City of Industry, CA 91748
Toll Free: 877-858-0888 | Tel: 626-965-8917 | Fax: 626-965-8919
Web: www.townsteel.com Email: sales@townsteel.com



DESIGNER LOCKSET

DESIGNER LOCKSET

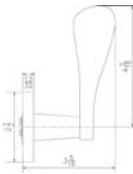
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Toll Free: (877) 858-0888 Tel: (626) 965-8917 Fax: (626) 965-8919
sales@townsteel.com



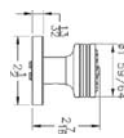
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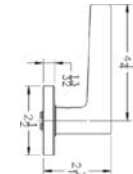
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Blaine



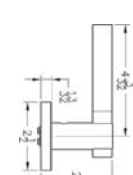
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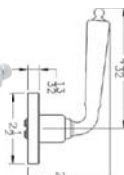
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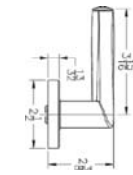
Bonn-short



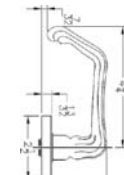
Brighton



Buff



Caesar



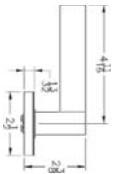
Plated Knobs and Levers



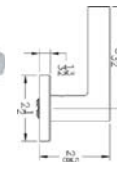
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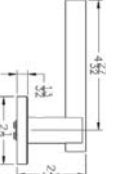
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Essen



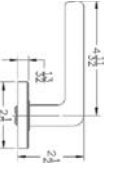
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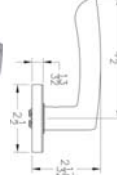
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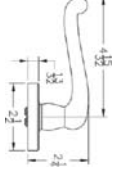
Fin



Genoa



Greek



Plated Knobs and Levers



Latvia



Latvia-Short



Monaco



Milan



Madrid



Napier



NSL 2



Oslo

Plated Knobs and Levers



Oswego



Oviedo



Oliva



Oporto



Prague



Pilsen



Rio

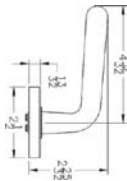


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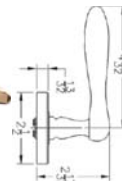
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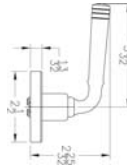
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Tuscan



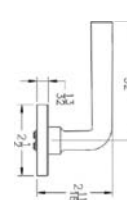
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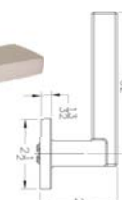
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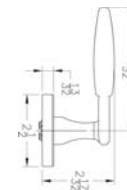
Verona



Vienna



Windsor



Zurich



Plated Thumb Turns

Standard Thumb Turn



Classic Visible

Optional Thumb Turn



Classic Concealed



Modern



ADA



Classic Square

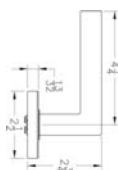


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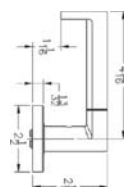
Stainless Steel Knobs and Levers



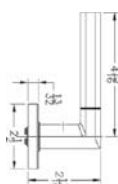
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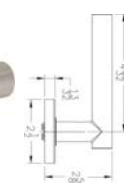
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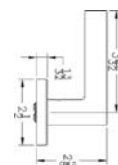
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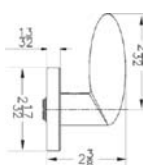
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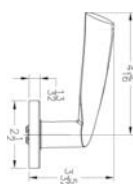
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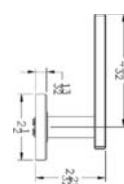
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Katie



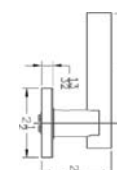
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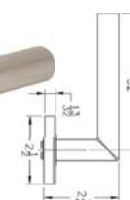
Stainless Steel Knobs and Levers



Lubeck



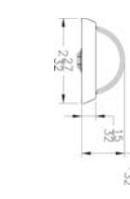
Malmo



Minsk



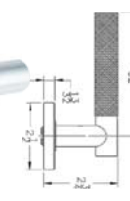
NSL



Norse



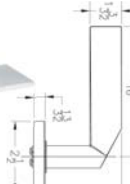
Oland



Push/Pull



Riga



Stainless Steel Knobs and Levers



Lapaz



Lido



Union



Wales

Stainless Steel Thumb Turns

Standard Thumb Turn



Classic Visible

Optional Thumb Turn



Classic Concealed



ADA

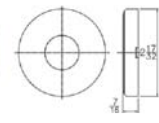


Classic Square

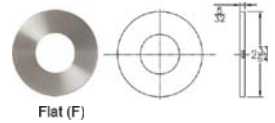
Sectional Rose Styles



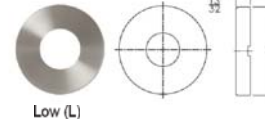
Bevel (B)



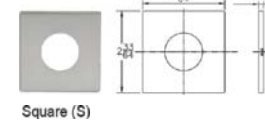
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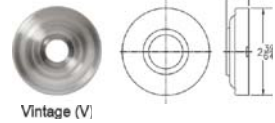
Flat (F)



Low (L)



Square (S)



Vintage (V)

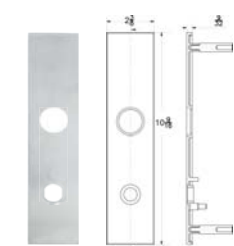
Escutcheon Styles



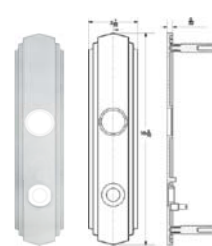
Square (S)



Oval (O)



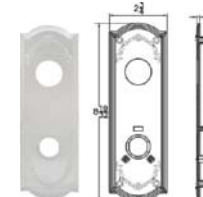
Cube (C)



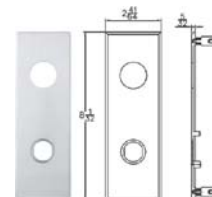
Art Deco (AD)



Low (L)



Vintage (V)

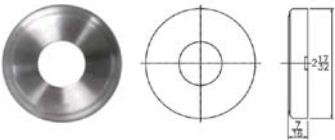


Flat (F)

DESIGNER WITH BEVEL (B) Rose



Bevel (B)



- **Available Levers/Knobs:**
Refer to lever section for more options
- **Sectional Rose Styles:**
Bevel (B)
- **Available Finishes:**

US3 US4 US26 US26D US10B

US15 SBN (Satin Blank Nickel)
- Available on Tubular and Mortise Lockset

DESIGNER WITH CURVE (C) Rose



Curve (C)



- **Available Levers/Knobs:**
Refer to lever section for more options
- **Sectional Rose Styles:**
Curve (C)
- **Available Finishes:**

US3 US4 US26 US26D US10B

US15 SBN (Satin Blank Nickel)
- Available on Tubular and Mortise Lockset

DESIGNER WITH FLAT (F) Rose



Flat (F)



- **Available Levers/Knobs:**
Refer to lever section for more options
- **Sectional Rose Styles:**
Flat (F)
- **Available Finishes:**

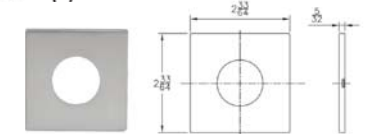
US3 US4 US26 US26D US10B

US15 SBN (Satin Blank Nickel)
- Available on Tubular and Mortise Lockset

DESIGNER WITH SQUARE (S) Rose



Square (S)

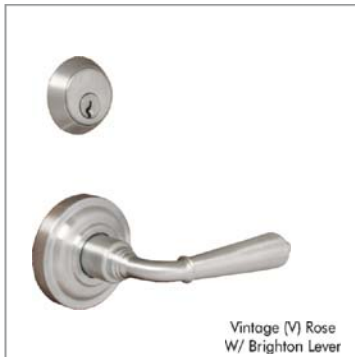


- **Available Levers/Knobs:**
Refer to lever section for more options
- **Sectional Rose Styles:**
Square (S)
- **Available Finishes:**

US3 US4 US26 US26D US10B

US32 US32D US15
- Available on Tubular and Mortise Lockset

DESIGNER WITH VINTAGE (V) Rose



Vintage (V)



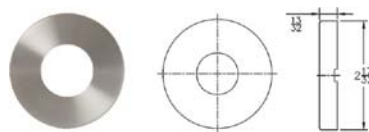
- **Available Levers/Knobs:**
Refer to lever section for more options
- **Sectional Rose Styles:**
Vintage (V)
- **Available Finishes:**

US3	US4	US26	US26D
US15			
- Available on Tubular and Mortise Lockset

DESIGNER WITH LOW (L) Rose



Low (L)



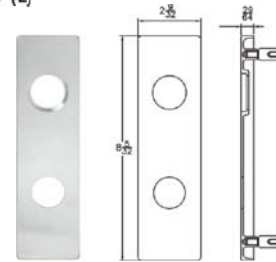
- **Available Levers/Knobs:**
Refer to lever section for more options
- **Sectional Rose Styles:**
Low (L)
- **Available Finishes:**

US3	US4	US26	US26D	US10B
US32	US32D	US15	SBN (Satin Blank Nickle)	
- Available on Tubular and Mortise Lockset

DESIGNER WITH LOW (L) Escutcheon



Low (L)



- **Available Levers/Knobs:**
Refer to lever section for more options
- **Escutcheon Styles:**
Low (L)
- **Available Finishes:**

US3	US4	US26	US26D	US10B
US32	US32D	US15	SBN (Satin Blank Nickle)	
- Available on Mortise Lockset

DESIGNER WITH OVAL (O) Escutcheon



Oval (O)



- **Available Levers/Knobs:**
Refer to lever section for more options
- **Escutcheon Styles:**
Oval (O)
- **Available Finishes:**

US32	US32D
------	-------
- Available on Mortise Lockset

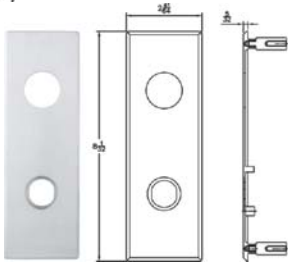
DESIGNER LOCKSET

DESIGNER WITH FLAT (F) Escutcheon



Flat (F) Escutcheon
W/ Bergen Lever

Flat (F)



- Available Levers/Knobs:
Refer to lever section for more options
- Escutcheon Styles:
Flat (F)
- Available Finishes:



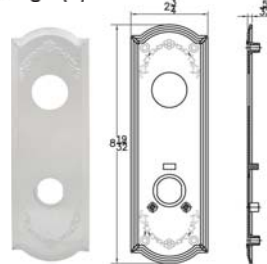
- Available on Mortise Lockset

DESIGNER WITH VINTAGE (V) Escutcheon

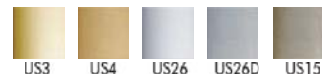


Vintage (V) Escutcheon
W/ Brighton Lever

Vintage (V)



- Available Levers/Knobs:
Refer to lever section for more options
- Escutcheon Styles:
Vintage (V)
- Available Finishes:



- Available on Mortise Lockset

DESIGNER LOCKSET

DESIGNER WITH SQUARE (S) Escutcheon



Square (S) Escutcheon
W/ Lynex Lever

Square (S)



- Available Levers/Knobs:
Refer to lever section for more options
- Escutcheon Styles:
Square (S)
- Available Finishes:



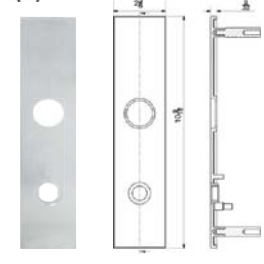
- Available on Mortise Lockset

DESIGNER WITH CUBE (C) Escutcheon



Cube (C) Escutcheon
W/ Verona Lever

Cube (C)



- Available Levers/Knobs:
Refer to lever section for more options
- Escutcheon Styles:
Cube (C)
- Available Finishes:

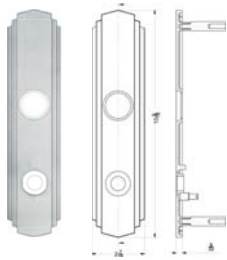


- Available on Mortise Lockset

DESIGNER WITH Art Deco (AD) Escutcheon



Art Deco (AD)

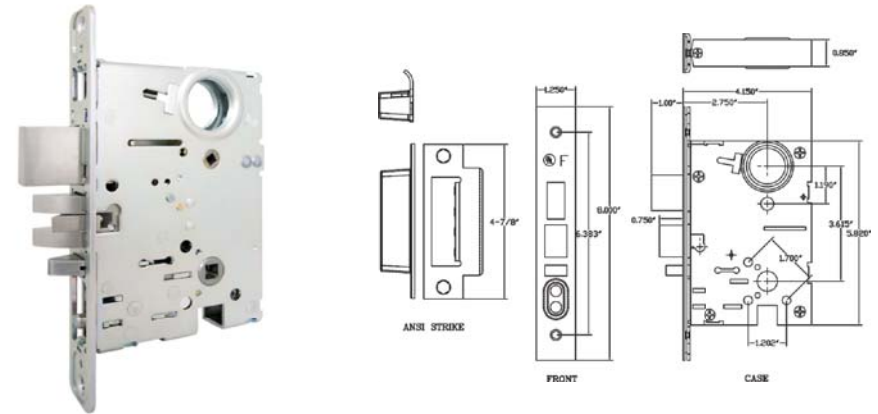


- **Available Levers/Knobs:**
Refer to lever section for more options
- **Escutcheon Styles:**
Art Deco (AD)
- **Available Finishes:**

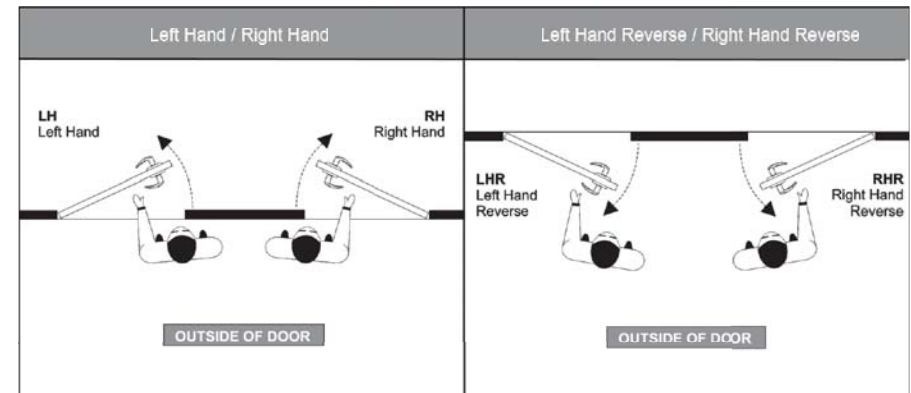


- Available on Mortise Lockset

MS Series Mortise Lock Profile



Handing



Tubular Lock Specifications



Features

- 2-3/4" Backset standard, 1-1/8" x 2-1/4" Latch face plate
- Standard strike 1-1/8" x 2-3/4" "T" Strike
- Available In 8 BHMA Finishes
- Standard functions
 - Passage (TLL)
 - Privacy (TLP)
 - Single Dummy (TDS)
 - Pair Dummy (TDP)
 - Exit (TLE)
- Emergency Release- Lock will automatically unlock when the door is closed.

Specifications

TownSteel model series. Lever shall be solid brass, stainless steel or custom designed. Rose assembly shall be made from wrought metal.

Options

- ANSI 1-1/4" X 4-7/8" Strike available
- Also available in 2-3/8" Backset
- Other custom designs available upon request
- Heavy duty fire rated tubular latch available upon request

Code Compliance

ADA Barrier Free Accessibility on All Lever Designs

Mortise Lock Specifications



Features

- ANSI Grade 1 Heavy-Duty Mortise Lock
- Door Thickness: 1 3/4" Standard, Other Door Thickness available upon request.
- Backset 2 3/4"
- Armored Front Plate
- Stainless Steel Deadbolt with 1" Throw Anti-Saw Deadbolts with Hardened Pins
- Stainless Steel Latchbolt
- Tamper Proof Cylinder Collar
- Rocker Type Stop Works, Stainless Steel
- Handing is Field Reversible
- Available In 8 BHMA Finishes
- Keyway-Schlage C (standard), other upon request
- Brass Mortise Cylinder, 2 keys Per Cylinder
- Small Format Interchangeable Core Available, 6 or 7 pin core
- High Security Mortise Cylinder Available
- High Security SFIC Core Available
- Master Keying, Grand Master Keying or Great Grand Master Keying Available
- UL Listed 3-Hour Fire Rating
- 10-year Manufacturer's Limited Warranty

Specifications

Mortise Lock- Sectional or Escutcheon models and series. ANSI Grade 1

Code Compliance

ANSI A-156.13-2005 Certified
ADA Barrier Free Accessibility on All Lever Designs
UL Listed 3-Hour Fire Rating



Options

- Strike- Brass or Stainless Steel, 1 1/4" x 4 7/8". Lipped ANSI strike
- Many other lever designs available, consult TownSteel for more information

Clutching Mortise



Clutching Features

- Mortise Lock with Clutching mechanism
- Levers rotate up and down freely in the locked or unlockde positions
- Meet ANSI A156.13 Grade 1 requirements
- UL listed 3-hour fire rating
- Handing field reversible
- Patent pending
- TSM Series is MS mortise case with clutching mechanism assembled in Korea

Ordering Form

Tubular Ordering Form

How To Order	
1. Trim Series	TLL (Passage) TLP (Privacy) TDS (Dummy Single) TDP (Dummy Pair) TLE (Exit)
2. Rose	B (Bevel), C (Curve), F (Flat) L (Low), S (Square), V (Vntage)
3. Backset	2-3/8", 2-3/4"
4. Lever	See Lever Listing
5. Finish	See Finish Listing

Order # Example:

TLL-L-2-3/4"-Oslo-626

1. Passage _____ TLL
2. Trims _____ Low
3. Backset _____ 2-3/4"
4. Oslo Lever _____ Oslo
5. Satin Chrome _____ 626

Mortise Ordering Form

How To Order	
1. Trim Series	MSS-B (Sectional Bevel) MSS-C (Sectional Curve) MSS-F (Sectional Flat) MSS-L (Sectional Low) MSS-S (Sectional Square) MSS-V (Sectional Vintage) MSE-L (Escutcheon Low) MSE-O (Escutcheon Oval) MSE-S (Escutcheon Square) MSE-V (Escutcheon Vintage) MSE-F (Escutcheon Flat) MSE-C (Escutcheon Cube) MSE-AD (Escutcheon Art Deco)
2. Function	See Mortise Function Sheet
3. Lever	See Lever Listing
4. Finish	See Finish Listing
5. Handing	RH LH RHR LHR

Order # Example:

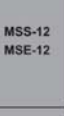
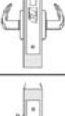
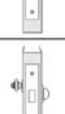
MSS-F-04-Oporto-626-RH-IC

1. Sectional Flat _____ MSS-F
2. Office Function _____ 04
3. Oporto Lever _____ Oporto
4. Satin Chrome _____ 626
5. Right Handed _____ RH
6. Clutching (Optional) _____ C
7. Interchangeable Core(Optional) _____ IC

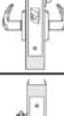
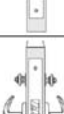
MS Series Mortise Lock with Regular/ Clutched Mortise Chassis

Functions					※ In clutched mechanism, levers rotate up and down freely in the locked or unlocked position
Outside	Inside	Series/Function	Type	ANSI No.	Function Description
		MSS-01 MSE-01	Passage or Closet	F01	Latch bolt operated by lever from either side at all times.
		MSS-02 MSE-02	Privacy or Bathroom	F02	Latch bolt operated by lever from either side. Dead bolt operated by turn from inside and emergency release from outside.
		MSS-04 MSE-04	Entry/ Office	F04	Latch bolt operated by lever from either side, except when outside lever is made inoperative by a push button rocker. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever. ***Auxiliary dead latch.
		MSS-05 MSE-05	Classroom	F05	Latch bolt operated by lever from either side, except when outside lever is locked from outside by key. When outside lever is locked, latch bolt may be retracted by key, or by operating key and outside lever or by operating inside lever. ***Auxiliary dead latch.
		MSS-06 MSE-06 *Clutch unavailable	Holdback	F06	Latch bolt operated by lever either side, except when outside lever is locked from outside by key. Latch bolt can be locked in a retracted position by key. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever unless latch bolt has been locked in a retracted position. ***Auxiliary dead bolt latch.
		MSS-07 MSE-07	Storeroom or Closet	F07	Latch bolt operated by key from outside or by rotating inside lever. Outside lever is always inoperative. ***Auxiliary dead latch.
		MSS-08 MSE-08	Front Door or Corridor Lock	F08	Latch bolt operated by lever from either side, except when outside lever is made inoperative by a push button rocker. Dead bolt is operated by turn inside. Key outside operates both bolts.
		MSS-09 MSE-09 *Clutch unavailable	Apartment / Exit or Public Toilet	F09	Latch bolt operated by lever from either side, except when outside lever is locked by key from inside. When outside lever is locked, latch bolt is retracted by key from outside or by operating inside lever. ***Auxiliary dead bolt latch.

MS Series Mortise Lock with Regular/ Clutched Mortise Chassis

Functions					※ In clutched mechanism, levers rotate up and down freely in the locked or unlocked position
Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		MSS-11 MSE-11 **Clutch unavailable	Dormitory or Exit Lock	F11	Latch bolt operated by lever from either side except when outside lever is made inoperative by a stop or mechanical means other than key. Dead bolt projected by key from either side. Dead bolt retracted by key from outside. Both bolts retracted by inside lever and outside remain locked.
		MSS-12 MSE-12	Dormitory or Exit	F12	Latch bolt operated by lever from either side, except when outside lever is made inoperative by a stop or mechanical means other than key. Dead bolt projected by key from outside and by turn from inside. Deadbolt retracted by key from outside and by turn from inside. Operating inside lever retracts both bolts and outside remains locked.
		MSS-13 MSE-13	Dormitory or Exit	F13	Latch bolt operated by lever from either side. Dead bolt projected by key from outside and thumb turn from inside. Operating inside lever retracts both bolts and unlocks outside.
		MSS-14 MSE-14	Store Door	F14	Latch bolt operated by lever from either side. Dead bolt operated by key from either side.
		MSS-15 MSE-15	Hotel or Guest	F15	Latch bolt operated by key from outside or by rotating inside lever. Outside lever is always inoperative. Dead bolt operated by thumb turn from inside and all keys except emergency and display key are shut out. Operating inside lever retracts both bolts. ***Auxiliary dead bolt latch.
		MSS-16 MSE-16 **Clutch unavailable	Deadlock	F16	Dead bolt operated by key on either side.
		MSS-17 MSE-17 **Clutch unavailable	Deadlock	F17	Dead bolt operated by key outside and turn piece inside.
		MSS-18 MSE-18 **Clutch unavailable	Deadlock	F18	Dead bolt by key from outside only.

MS Series Mortise Lock with Regular/ Clutched Mortise Chassis

Functions					※ In clutched mechanism, levers rotate up and down freely in the locked or unlocked position
Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		MSS-19 MSE-19	Privacy or Bathroom	F19	Latch bolt operated by lever from either side. Dead bolt operated by turn from inside and emergency release from outside. Operating inside lever retracts both bolts.
		MSS-20 MSE-20	Entrance/ Apartment/ Dormitory	F20	Latch bolt operated by lever from either side, except when outside lever is made inoperative by push button rocker. Dead bolt projected by key from outside and by thumb turn from inside. Key outside operates both bolts. Operating inside lever retracts both bolts and outside remains locked. Latch bolt is deadlocked when outside lever is made inoperative or when the dead bolt is projected. When dead bolt is retracted, lever is unlocked by stop or mechanical means other than key.
		MSS-21 MSE-21 **Clutch unavailable	Dormitory with Dead bolt	F21	Latch bolt operated by lever either side. Dead bolt operated by key outside or by turn from inside.
		MSS-22 MSE-22	Privacy	F22	Latch bolt operated by lever from either side, except when outside lever is locked by inside turn. Operating inside lever, closing door or operating outside emergency release unlocks outside lever.
		MSS-26 MSE-26	Institutional Privacy	F26	Latch bolt operated by lever from either side, except when outside lever is locked by turn inside. Latch bolt operated by key outside with override of turn inside when manually held in locked position. Operating inside lever or closing door unlocks outside lever. ***Auxiliary dead bolt latch.
		MSS-29 MSE-29	Classroom Dead bolt	F29	Key from outside operates dead bolt. Turn from inside retracts but does not project dead bolt.
		MSS-30 MSE-30	Institutional	F30	Latch bolt operated by key either side. Both levers always inoperative. ***Auxiliary dead bolt latch.
		MSS-31 MSE-31 **Clutch unavailable	Exit or Communicating	F31	Latch bolt operated by lever from inside. Non removable blank lever or no lever outside. ***Auxiliary dead bolt latch.

MS Series Mortise Lock with Regular/ Clutched Mortise Chassis

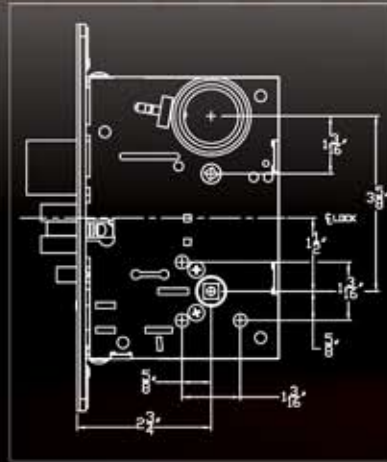
Functions					※In clutched mechanism, levers rotate up and down freely in the locked or unlocked position
Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		MSS-32 MSE-32	Intruder Latch bolt	F32	Latch bolt operated by lever either side, except when outside lever is locked from inside or outside by key. When outside lever is locked, latch bolt is retracted by key from inside or outside or by operating inside lever. ***Auxiliary dead bolt latch
		MSS-33 MSE-33	Intruder Dead bolt	F33	Latch bolt operated by lever either side, except when outside lever is locked from inside or outside by key. Dead bolt operated by key either side. Inside lever retracts both bolts and unlocks outside lever.
		MSS-34 MSE-34	Intruder Dead bolt	F34	Latch bolt operated by lever either side, except when outside lever is locked from inside or outside by key. Dead bolt operated by key either side. Operating inside lever retracts both bolts and unlocks outside. *** Auxiliary dead latch or latch bolt dead locked when dead bolt is thrown.
		MSS-35 MSE-35	Storeroom with Dead bolt	F35	Latch bolt operated by lever from either side, except when outside lever is made inoperable by a stop or mechanical means other than key. Dead bolt operated by key from either side.
		MSS-41 MSE-41	Single Dummy		No Lock works, Lever one side only.
		MSS-42 MSE-42	Double Dummy		No Lock works, Lever on both sides.
		MSS-81 MSE-81 **Clutch unavailable	Hotel Privacy		Latch bolt retracted by key from outside and thumb turn from inside. ***Auxiliary dead bolt latch.
		MSS-05A MSE-05A	AT-Office	N/A	Latch bolt operated by lever from either side, except when outside lever is made inoperable by turn on inside or key from outside. Outside lever is unlocked by turn from inside or key from outside. Key will retract latch. Inside lever is always operable. Auxiliary dead bolt latch.

MS Series Mortise Lock with Regular/ Clutched Mortise Chassis

Functions					※In clutched mechanism, levers rotate up and down freely in the locked or unlocked position
Outside	Inside	Series/ Function	Type	ANSI No.	Function Description
		MSS-05B MSE-05B	LT Privacy	N/A	Latch bolt operated by lever from either side, except when outside lever is made inoperable by turn on inside. Outside lever is unlocked by rotating inside lever, turn from inside or emergency key from outside. Inside lever is always operable.
		MSS-20T MSE-20T	TA Dormitory	N/A	Latch bolt operated by lever from either side, except when outside lever is made inoperable by a stop or mechanical means other than a key or projecting the dead bolt. Dead bolt operated by key from outside and by turn from inside. Key from outside will retract the dead bolt and the latch. Operating inside lever retracts both bolts and outside remains locked.
		MSS-13R MSE-13R	TD Dormitory	N/A	Latch bolt operated by lever from inside or turning key from outside. Outside lever is always inoperable. Dead bolt operated by key from outside and by turn from inside. Operating inside lever retracts both bolts.

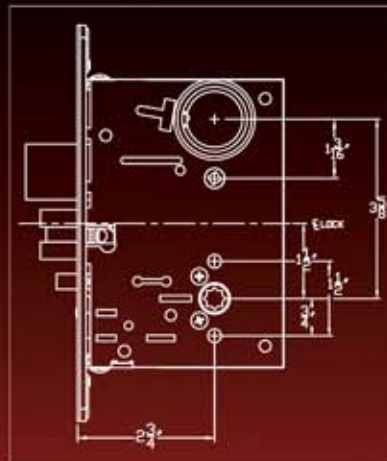
REJUVENATOR™

Retrofit Mortise Chassis



RB Series

**Retrofit for Best
Access Systems®
34H/35H/36H/37H series
mortise lock case**



RC Series

**Retrofit for Corbin
Russwin® ML2000/
ML2200 series and
PDQ® mortise lock case**



TS Series

**Retrofit for Cal-Royal®
M series mortise
lock case**

RETROFIT MORTISE CHASSIS FOR EXISTING MORTISE LOCKS

RB/RC/TS-series heavy duty mortise cases are designed to retrofit mortise chassis made by Best Access System®, Corbin Russwin®, PDQ® or Cal-Royal®. All three series meet or exceed all Grade 1 requirements of ANSI/BHMA A156.13-2005. TS series is BHMA certified, and UL listed for 3 hour fire door. RC and RB series feature independent springs for outside and inside hubs providing trim design with more flexibility.

Features:

Door Thickness:	1-3/4"
Backset:	2-3/4"
Lock Case:	Heavy gauge steel
Armored front:	Plated steel 8" x 1-1/4"x3/32"
Dead bolt:	1" throw, stainless steel with hardened anti-saw pin
Latch bolt:	3/4" throw, stainless steel, split anti-friction
Guard bolt:	Stainless steel
Through bolt location:	Matches original brand through bolt location
Stop work:	Toggle (RC series) or push button (RB&TS series)
Independent spring:	Independent lever return spring, heavy duty, exceeds 2 million cycles (RB/RC series)
Handing:	Non-handed, field reversible without removing cover
Function:	All ANSI functions available
UL:	TS series UL listed for 3 hour fire door
ANSI:	RC/RB meet or exceed ANSI A156.13-2005 Grade 1. TS series BHMA certified ANSI A156.13-2005 Grade 1

How To Order

Trim	RB Series - Retrofit for Best Access Systems® 34H/35H/36H/37H series mortise lock case RC Series - Retrofit for Corbin Russwin® ML2000/ML2200 series and PDQ® mortise lock case TS Series - Retrofit for Cal-Royal® M series mortise lock case
------	---

Function	All ANSI functions available
----------	-------------------------------------

Example

1. TS Series - Retrofit for Cal-Royal® M series mortise lock case

2. Classroom function

TS-05

TownSteel Inc.

707 N. Barranca Ave., Bldg#6, Covina, CA 91723

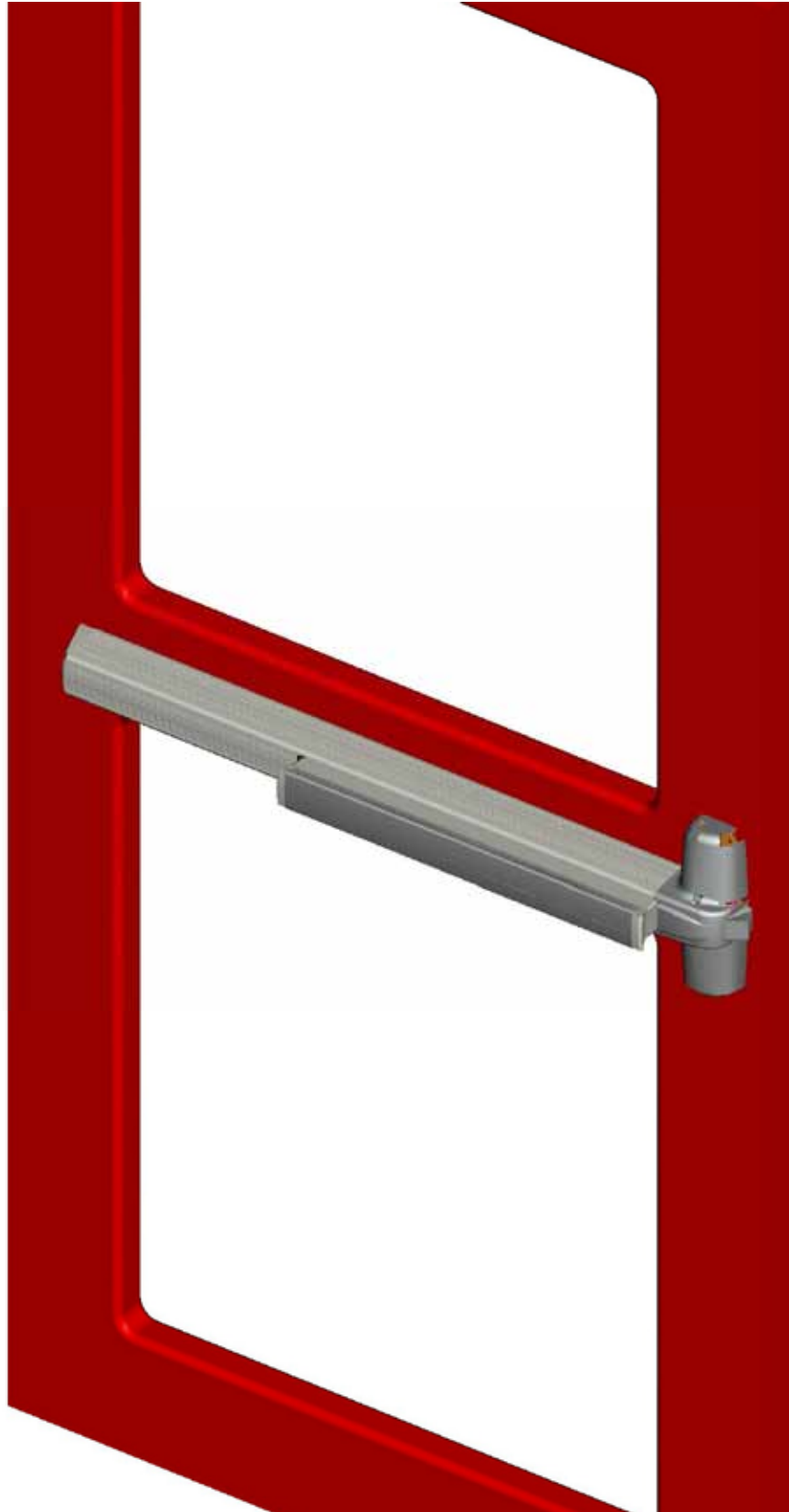
www.townsteel.com Toll Free: 877-858-0888 Tel: 626-858-5080 Fax: 626-858-3393 sales@townsteel.com





TownSteel®
Architectural Hardware MFG

1000 Series Exit Devices





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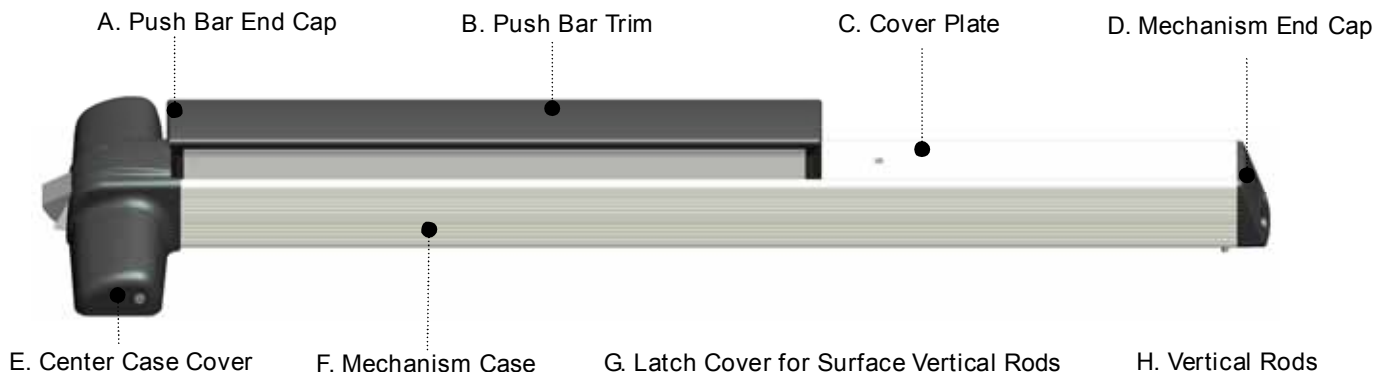
Introduction

1000 Series Exit Devices and Trims are designed for new or retrofit installation into Von Duprin 98/99 Series, push bar assembly has smooth and reduced projection minimizes catch hazard. Device function is field selectable by removal of device screw in center case and adaptation with selected type of trim. A full complement of clutching lever trim is available In wide range of architectural finishes. 1000 Series are made to comply with highest safety and security standards in industry, devices and trims are UL Listed for Panic Hardware or Fire Hardware, and are certified to ANSI/UL 305 and ANSI A156.3 Grade 1. 1000 Series provides superior durability for high impact applications such as schools, universities, and other institutions or commercial buildings.



General Information

Device Material



Finishes

COLOR	ANSI/BHMA	US	B. E. G.	A. D.	C. F. H.
Polished Brass	605	3	Brass, Polished	Plated	Buffed Anodized
Satin Brass	606	4	Brass, Satin	Plated	Anodized
Polished Bronze	611	9	Bronze, Polished	Plated	Buffed Anodized
Satin Bronze	612	10	Brass, Satin	Plated	Anodized
Dark Oxidized Satin Bronze	613	10B	Bronze, Satin; Dark Oxidized	Plated	Anodized
Dark Oxidized	615	15	St. Steel, Satin	Plated	Anodized
Polished Chrome	625	26	St. Steel, Polished	Plated	Buffed Anodized
Satin Chrome	626	26D	Brass, Satin & Plated	Plated	Anodized
Satin Stainless Steel	630	32D	St. Steel, Satin	Plated	Anodized

Push Bar Trim Options :

Knurled

Embossed "PUSH"

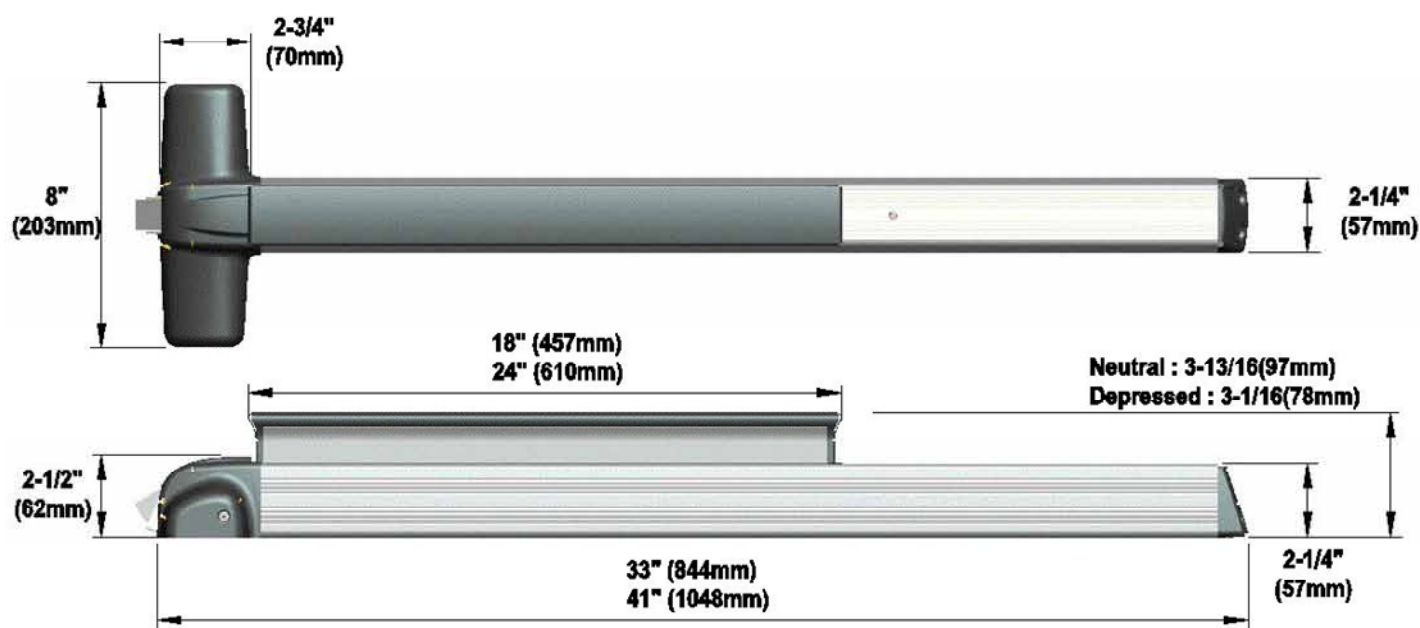
Braille, Embossed "CAUTION STAIRWELL"

Red silk screen lettered "EMERGENCY EXIT ONLY-PUSH TO OPEN AND SOUND ALARM"

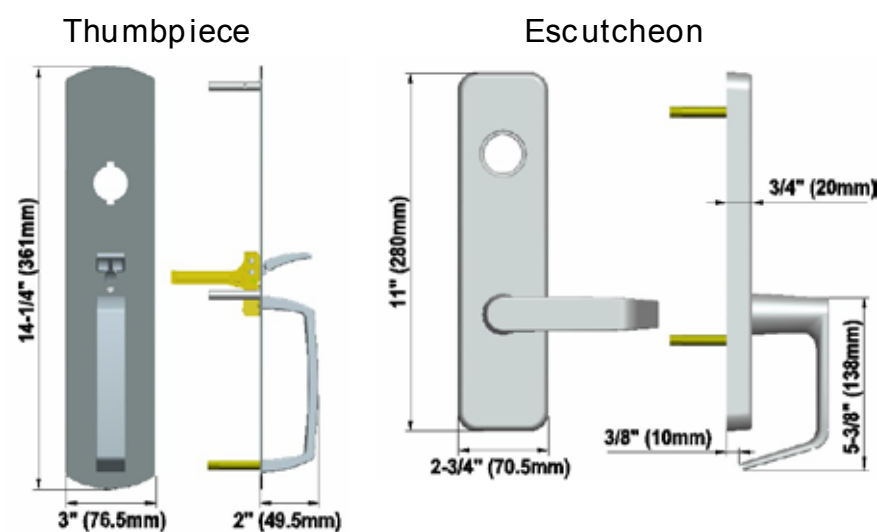
Functions

ANSI/BHMA NUMBER	Operations	Trim Options		Cylinder Application	
		200 Series Thumbpiece	300 Series Escutcheons	Rim Cyl.	Mortise Cyl.
01	Exit Only	N	N	N	N
02	Dummy /Rigid Lever	202	302	N	N
03	Night Latch, Key Retracts Latch Bolt	203R/203M	N	Y	Y
05	Key locks or Unlocks Latch Bolt	205R/205M	N	Y	Y
07	Inside/Outside Key Lock or Unlock Latch Bolt (Double Cylinder)	205M	N	N	Y
08	Key locks or Unlocks Latch Bolt	N	308R/308M	N	Y
09	Night Latch Key Retracts Latch Bolt	N	309R/309M	Y	Y
10	Inside/Outside Key Lock or Unlock Latch Bolt (Double Cylinder)	N	308R/308M	Y	Y
14	Lever/Knob Operable, No Cylinder	N	314R/314M	N	N
15	Thumbpiece Operable, No Cylinder	215R/215M	N	N	N

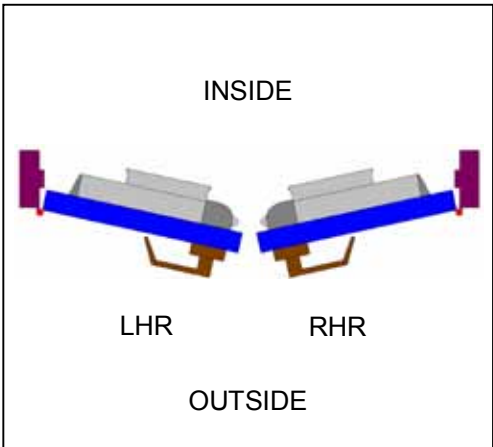
Dimensions



Trims



Hand of Doors



Fasteners / Sex Bolts (SNB)

Furnished standard with machine screws and full Thread wood/sheet metal screws. Specify Sex Bolts (SNB) where recommended or Required by the door manufacturer.

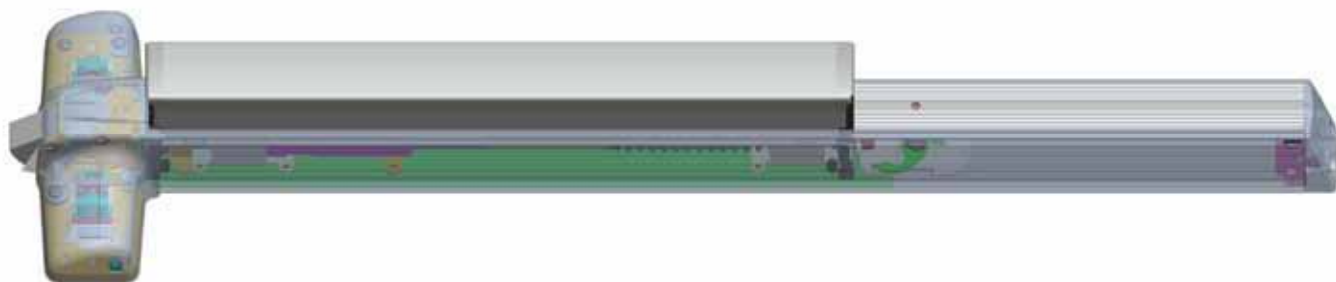


Sex Nuts and Bots (SNB) are furnished with No. 10-24UNC or No.1/4-20UNC

Devices No.		Specification	Qty.
Without Trim	1100F	No.10-24 UNC	8
	1200F	No.10-24 UNC	6
	1300F/1400F	No.10-24 UNC	4
	1500F	No.10-24 UNC	6
With Trim	1100F	No.10-24 UNC	8
	1200F	No.10-24 UNC	4
	1300F/1400F	No.10-24 UNC	2
	1500F	No.10-24 UNC	2

* Used for top rod latch and bottom rod latch

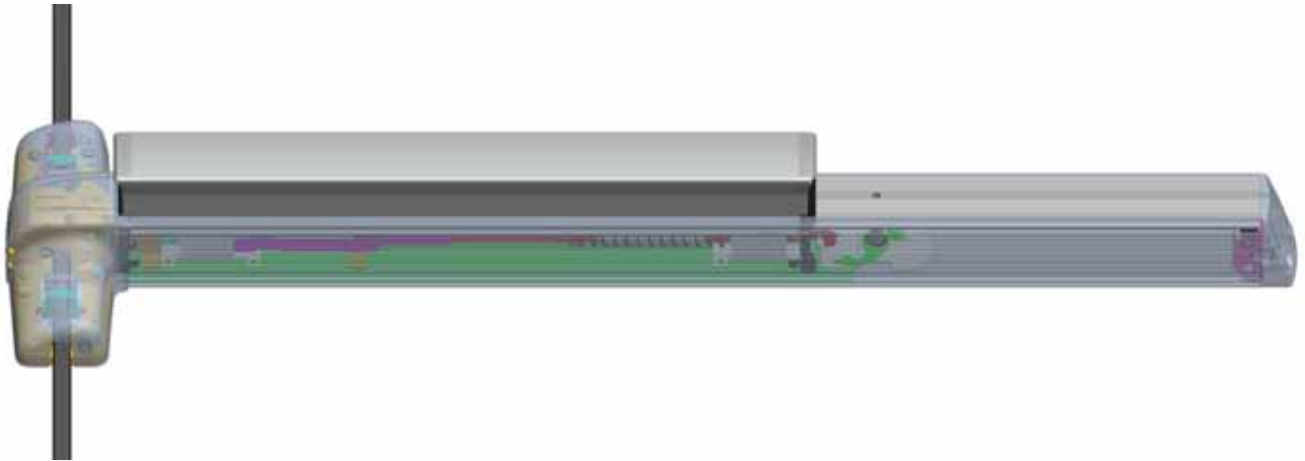
1100/1100F Rim Exit Devices



Specifications

Doors & Preparations	For all types of single and double doors with a mullion, for mullion, see page 15. 1-3/4" to 2-1/4" thick up to 4' wide opening. for thicker doors, consult factory. furnished standard for 1-3/4" thick, 3' wide opening. No additional drills for retrofit installation.
Certifications	UL listed for UL305 and ANSI A156.3-2008 Grade 1 Panic Hardware and rated for 3 Hour Fire Exit Hardware, conforms to UL10C and UBC7-2.
Operations	Pushing on Push Bar will retract latch bolt and open the door.
Device Functions	Field selectable by removal of drive screw in back of center case and determined by adaptation with type of trim.
Strike	106 Dull black standard, see page 12
Dogging	Flat key dogging standard, not available for Fire Exit hardware.
Dogging Options	LD CD ELR, see page 14
Fasteners & Sex Bolts	Provided for 1-3/4" to 2-1/4" (45 mm to 57 mm) wood and metal door applications.
Device Centerline from finished floor	39-5/8" (1006 mm)
Latch Bolt	Stainless Steel, deadlocking, 3/4" (19 mm) throw.
Handing	Device non-handing, except for Double Cylinder option, specify handing when required. Trim field reversible.
Cylinders	Not furnished standard. Specify when required. For cylinder details see page 13
Trim	The device & trim are sold separately ; easy to mix and match. See page 9

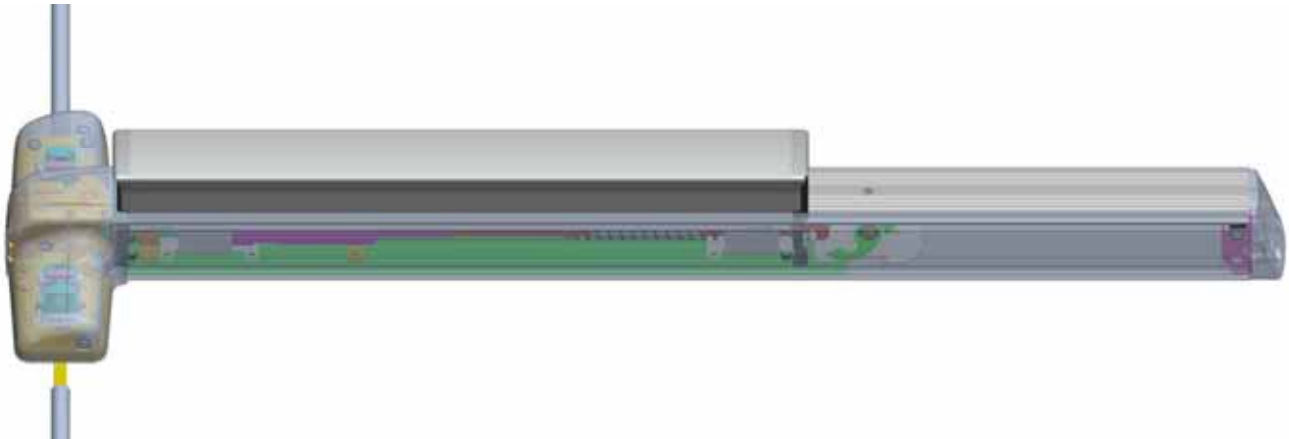
1200/1200F Surface Vertical Rod Devices



Specifications

Doors & Preparations	For all types of single and double doors with a mullion, for mullion, see page 15. 1-3/4" to 2-1/4" thick up to 4' wide opening; for thicker doors, consult factory. furnished standard for 1-3/4" thick, 3' wide opening. No additional drills for retrofit installation.
Certifications	UL listed for UL305 and ANSI A156.3-2008 Grade 1 Panic Hardware and rated for 3 Hour Fire Exit Hardware, conforms to UL10C and UBC7-2.
Device Functions	Field selectable by removal of drive screw in back of center case and determined by adaptation with type of trim.
Operations	Pushing on Push Bar retract latch bolts and open the door. Latch bolts will stay retracted and device is in Holdback.
Center Case	Heavy wrought steel assembly with lock in place, top and bottom adjusters. Adjustment accessible through center case after installation.
Vertical Rods	1/2" Square tubing, standard rods accommodate 7' (2134 mm) door. Top rod length is 36-1/8" (916 mm), Bottom rod length is 31-7/8" (807 mm). Top rod length is 48-1/8" (1221mm) available for 8' (2438 mm) door. Extension rod available 2' (608 mm) For doors over 8'. Specify when ordering. Rod size see page 16
Top Latch Bolt	Stainless Steel, Pullman type deadlocking, 5/8" (16 mm) throw.
Bottom Bolt	Stainless Steel, Pullman type deadlocking, independent action 5/8" (16 mm) throw, Round Slide Bolt for Fire Rated Device.
Top & Bottom Latch Case	4-1/2" x 2-1/8" x 1-1/2" (114 mm x 54 mm x 38 mm)
Door Undercut	1/4" (6 mm)
Strikes	Top 106 dull black standard, Bottom 227 unfinished. see page 12
Dogging	Flat key dogging standard, not available for Fire Exit hardware.
Dogging Options	LD CD ELR, see page 14
Fasteners & Sex Bolts	Provided for 1-3/4" to 2-1/4" (45mm to 57mm) wood and metal door applications.
Device Centerline from finished floor	39-5/8" (1006 mm)
Less Bottom Rod (LBR)	Available for door openings up to 8' wide x 10' high. Specify suffix "LBR"
Handing	Device non-handing, Trim field reversible.
Cylinders	Not furnished standard. Specify when required. For cylinder details see page 13
Trim	The device & trim are sold separately ; easy to mix and match see page 9.

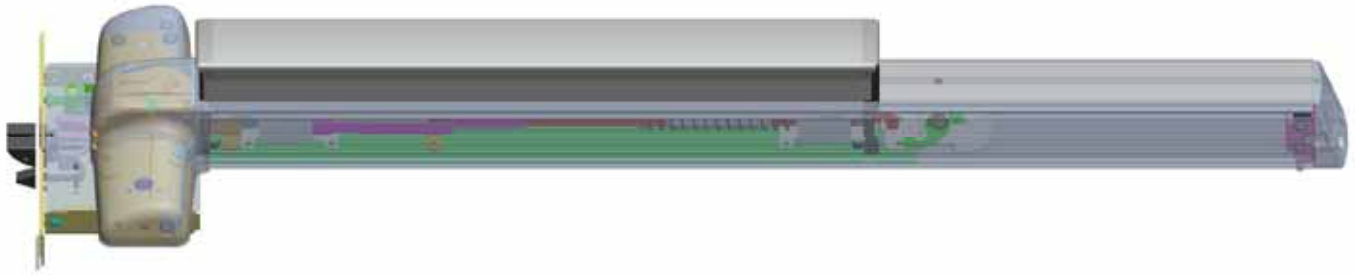
1300/1300F Concealed Vertical Rod Devices



Specifications

Doors & Preparations	For all types of single and double doors with a mullion, for mullion, see page 15. 1-3/4" to 2-1/4" thick up to 4' wide opening; for thicker doors, consult factory. furnished standard for 1-3/4" thick, 3' wide opening. No additional drills for retrofit installation.
Certifications	UL listed for UL305 and ANSI A156.3-2008 Grade 1 Panic Hardware and rated for 3 Hour Fire Exit Hardware, conforms to UL10C and UBC7-2.
Device Functions	Field selectable by removal of drive screw in back of center case and determined by adaptation with type of trim.
Operations	Pushing on Push Bar retract latch bolts and open the door. Latch bolts will stay retracted and device is in Holdback.
Center Case	Heavy wrought steel assembly with lock in place, top and bottom adjusters. Adjustment accessible through center case after installation.
Vertical Rods	1/2" Round rod, standard rods accommodate 7' (2134 mm) door. Top rod length is 36" (904 mm), Bottom rod length is 31-3/4"(805 mm). Top rod length is 49" (1245mm) available for 8' (2438 mm) door. Extension rod available 2' (605 mm) For doors over 8'. Specify when ordering. Rod size see page 16
Top Latch Bolt	Stainless Steel, Pullman type deadlocking, 5/8" (16 mm) throw.
Bottom Bolt	Stainless Steel, Pullman type deadlocking, independent action 5/8"(16 mm) throw, Round Slide Bolt for Fire Rated Device.
Top & Bottom Latch Case	4-1/2" x 2-1/8" x 1-1/2" (114 mm x 54 mm x 38 mm)
Door Undercut	1/4" (6 mm)
Strikes	Top 216 dull black standard, Bottom 227 unfinished. see page 12
Dogging	Flat key dogging standard, not available for Fire Exit hardware.
Dogging Options	LD CD ELR, see page 14
Fasteners & Sex Botls	Provided for 1-3/4" to 2-1/4" (45mm to 57mm) wood and metal door applications.
Device Centerline from finished floor	39-5/8" (1006 mm)
Less Bottom Rod (LBR)	Available for door openings up to 8' wide x 10' high. Specify suffix "LBR"
Handing	Device non-handing, Trim field reversible.
Cylinders	Not furnished standard. Specify when required. For cylinder details see page 13
Trim	The device & trim are sold separately ; easy to mix and match see page 9.

1400/1400F Mortise Lock Exit Devices

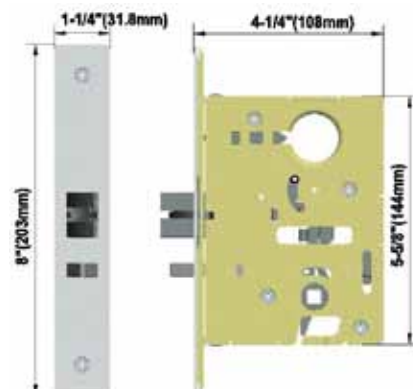


Specifications

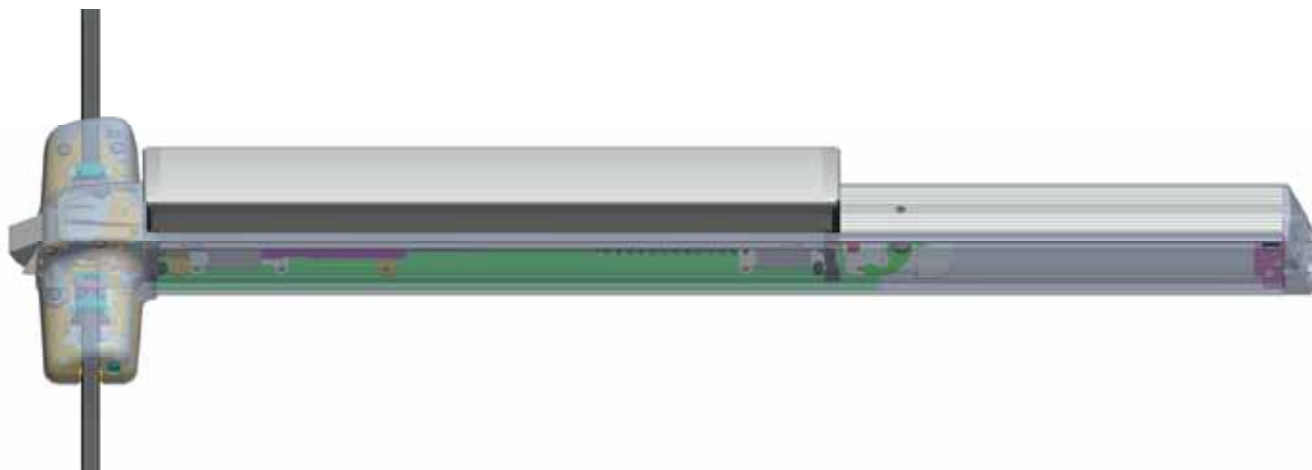
Doors & Preparations	For all types of single and double doors , 1-3/4" to 2-1/4" thick up to 4' wide opening; for thicker doors, consult factory. furnished standard for 1-3/4" thick, 3' wide opening. No additional drills for retrofit installation.
Certifications	UL listed for UL305 and ANSI A156.3-2008 Grade 1 Panic Hardware and rated for 3 Hour Fire Exit Hardware, conforms to UL10C and UBC7-2.
Operations	Pushing on Push Bar will retract latch bolt and open the door.
Mortise Lock Functions	Field selectable by reversing set screw in mortise case and determined by adaptation with type of trim.
Center Case	Heavy wrought steel assembly, to fine tune Adjustment Screw can let Adjustment Finger in center case to fully retract latch bolt of mortise case.
Strike	306 standard, see page 12
Dogging	Flat key dogging standard, not available for Fire Exit hardware.
Dogging Options	LD CD ELR, see page 14
Fasteners & Sex Bolts	Provided for 1-3/4" to 2-1/4" (45 mm to 57 mm) wood and metal door applications.
Device Centerline from finished floor	39-5/8" (1006 mm)
Latch Bolt	Stainless Steel, deadlocking, 3/4" (19 mm) throw.
Handing	Device non-handing, except for Double Cylinder option, specify handing when required. Trim field reversible.
Cylinders	Not furnished standard. Specify when required. For cylinder details see page 13
Trim	The device & trim are sold separately ; easy to mix and match. See page 9

Mortise Case

The 1400 model Mortise lock is equipped with a 3/4" (19mm) Anti-friction stainless steel latch bolt which is handing reversible without moving the lock from the case. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel. Fits door machined per **ANSI A115.1** (type 86) Mortise Lock preparation.



1500/1500F Three-Point Latching Devices



Specifications

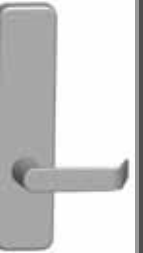
Doors & reparations	For all types of single and double doors with a mullion, for mullion, see page 15. 1-3/4" to 2-1/4" thick up to 4' wide opening; for thicker doors, consult factory. furnished standard for 1-3/4" thick, 3' wide opening. No additional drills for retrofit installation.
Certifications	UL listed for UL305 and ANSI A156.3-2008 Grade 1 Panic Hardware and rated for 3 Hour Fire Exit Hardware, conforms to UL10C and UBC7-2.
Device Functions	Field selectable by removal of drive screw in back of center case and determined by adaptation with type of trim.
Operations	Pushing on Push Bar retract latch bolts and open the door. Latch bolts will stay retracted and device is in Holdback.
Center Case	Heavy wrought steel assembly with lock in place, top and bottom adjusters. Adjustment accessible through center case after installation.
Vertical Rods	1/2" Square tubing, standard rods accommodate 7' (2134 mm) door. Top rod length is 36-1/8" (916 mm), Bottom rod length is 31-7/8" (807 mm). Top rod length is 48-1/8" (1221mm) available for 8' (2438 mm) door. Extension rod available 2' (608 mm) For doors over 8'. Specify when ordering. Rod size see page 16
Top Latch Bolt	Stainless Steel, Pullman type deadlocking, 5/8" (16 mm) throw.
Bottom Bolt	Stainless Steel, Pullman type deadlocking, independent action 5/8" (16 mm) throw, Round Slide Bolt for Fire Rated Device.
Top & Bottom Latch Case	4-1/2" x 2-1/8" x 1-1/2" (114 mm x 54 mm x 38 mm)
Door Undercut	1/4" (6 mm)
Strikes	Top 106 dull black standard, Bottom 227 unfinished. See page 12
Dogging	Flat key dogging standard, not available for Fire Exit hardware.
Dogging Options	LD CD ELR, see page 14
Fasteners & Sex Bolts	Provided for 1-3/4" to 2-1/4" (45mm to 57mm) wood and metal door applications.
Device Centerline from finished floor	39-5/8" (1006 mm)
Less Bottom Rod (LBR)	Available for door openings up to 8' wide x 10' high. Specify suffix "LBR"
Handing	Device non-handing, Trim field reversible.
Cylinders	Not furnished standard. Specify when required. For cylinder details see page 13
Trim	The device & trim are sold separately ; easy to mix and match See page 9.

Trim Options

200 Series Thumbpiece

ANSI No.	01	02	03			05	05/ 07*	15	
Operation	Exit Only	Dummy Pull Only	Night Latch Key Retracts Latch Bolt			Key locks or Unlocks Latch Bolt		Thumbpiece Always Active	
Illustration									
Trim No.	201	202		203R	203M	205R	205M	215R	215M
Device No.	1100 1200 1300 1400 1500	1100 1200 1300 1400 1500	1100 1200 1300 1400 1500	1100 1200 1300 1500	1400	1100 1200 1300 1500	1400	1100 1200 1300 1500	1400
Cylinder Type			Rim/ Mortise	Rim	Mortise	Rim	Mortise		

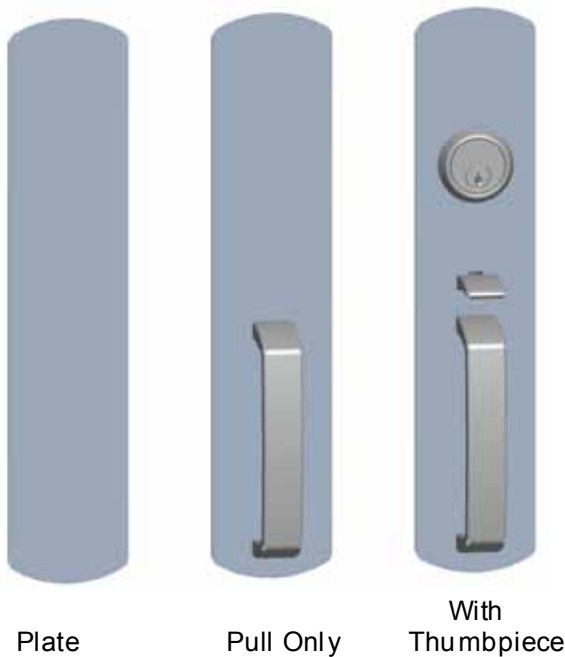
300 Series Escutcheons

ANSI No.	01	02	08/10*		09		14	
Operation	Exit Only	Dummy Pull Only	Key locks or Unlocks Latch Bolt		Night Latch Key Retracts Latch Bolt		Lever/Knob Always Operable	
Illustration								
Trim No.		302	308R	308M	309R	309M	314R	314M
Device No.	1100 1200 1300 1400 1500	1100 1200 1300 1400 1500	1100 1200 1300 1500	1400	1100 1200 1300 1500	1400	1100 1200 1300 1500	1400
Cylinder Type			Mortise	Mortise	Rim	Mortise		

* Double Cylinder

Trim Operation Options

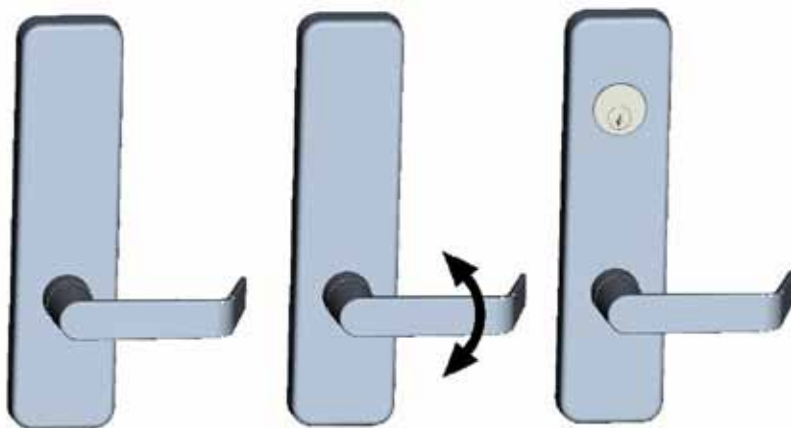
Thumbpiece



Features

1. Trims are furnished with wrought plate and extruded or cast solid grips.
2. 630 Trim is furnished for 626 device.
3. Trim is designed to retrofit into Von Duprin's 990 Trim installation.
4. Trims are UL certified for ANSI A156.3, Grade 1.
5. Trims are through bolted and covering 161 and 86 cutouts. ("GD" Grip furnished standard, unless specified) For Trim dimensions see page 3

Escutcheons



Features

1. Escutcheon and lever are casting or forging
2. 626 Trim is furnished for 630 Devices.
3. Trim is designed to retrofit into Von Duprin's 996 trim Installation
4. Trims are through bolted and covering 161 and 86 cutouts
5. Handing field reversible
6. Trims are UL certified for ANSI A156.3, Grade 1, Specify lever or Knob design. ("D" Lever furnished standard, unless specified) For Trim dimensions see page 3

Dummy Trim
Lever or Knob rigid
For pull operation
(For 02 Function)

Blank Escutcheon
Lever or knob
always active
(For 14 Function)

Night Latch
Key retracts
latch bolt. Lever
or Knob is rigid
(For 09 Function)

Trim Operation Options

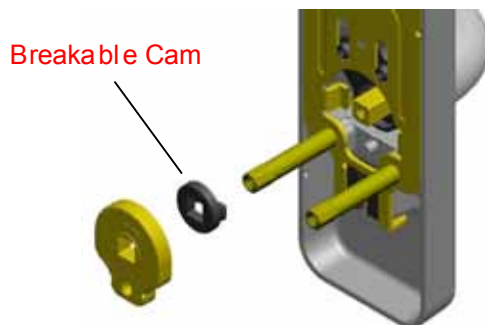
Standard Operation

Model 308

Lever Locks or Unlocks
Lever or Knob
(For 08/10 Functions)



308 Trim is composed of heavy duty investment cast steel, an internal breakable cam to break away at predetermined load applied to outside lever handle in locked mode without damage or violating security . The cam is replaceable easily with minimum steps



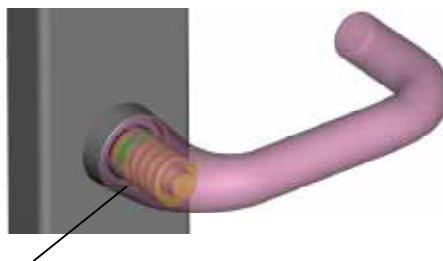
Clutch Operation

Model C308

Lever Locks/Unlocks
Lever or Knob
(For 08/10 Function)



C308 Trim is designed to withstand abusive conditions, working parts are made of heavy duty investment cast steel, an internal slip clutch mechanism is built-in lever shank allowing the lever handle to break away without damage or violating security when excessive force is applied. The lever can be easily lift back to home position without using tools, replacement parts, or removing it from the door.



Thumbpiece Grip Options



GK type GD type

Escutcheon Lever Options



D type



Q type



A type



K type

Knob Options



B type



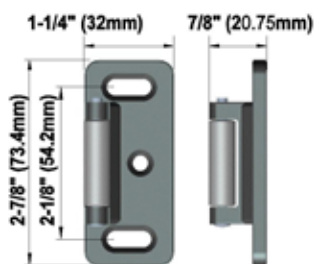
P type



T type

Strikes

Rim Exit Devices



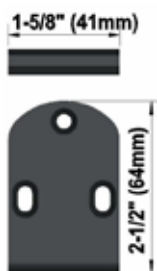
106 Rim Strike
for Rim & SVR's top strike



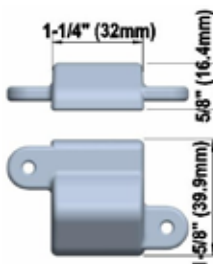
136 Rim Strike
for double door Rim/SVR/CVR combination
with coordinator

Vertical Rod Exit Devices

Top Strike



215 Top Strike
for flush transom
SVR/3PT

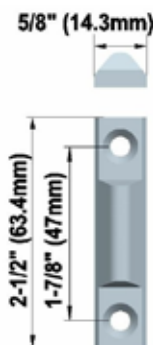


216 Top Strike
for CVR

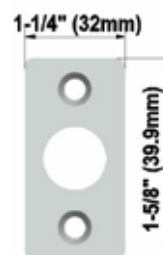


227 Bottom Strike
standard furnished
for SVR/CVR/3PT

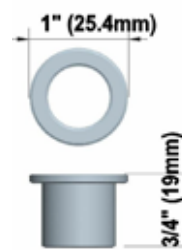
Bottom Strike



224 Bottom Strike
optional for SVR/3PT



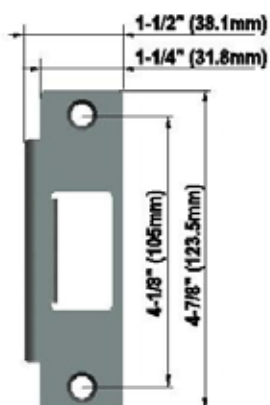
225 Bottom Strike
optional for SVR/CVR
/3PT round slide bolt



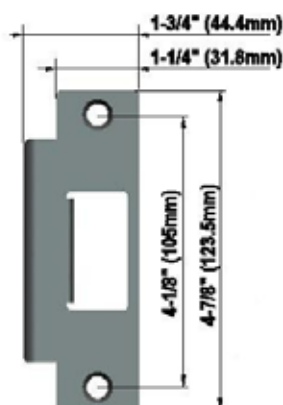
226 Bottom Strike
optional for SVR/CV
/3PT round slide bo

Flat Bottom Strike

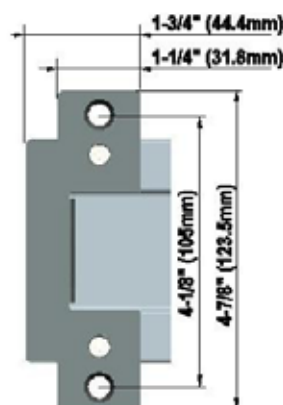
Mortise Strikes



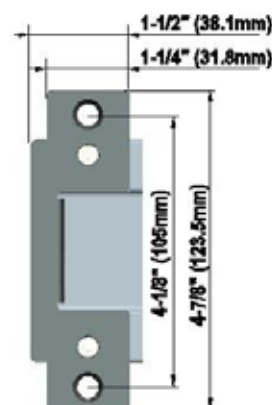
336 Strike
for use on 1-3/4\"(44mm)
thick double door with
coordinator and astragal



306 Strike standard furnished
for use on 1-3/4\"(44mm) or
2-1/4\"(57mm) single door and
2-1/4\"(57mm) double door with
coordinator



337 Open Back Strike
standard furnished
for 1-3/4\"(44mm) thick
double doors without
coordinator



338 Open Back Strike
for 2-1/4\"(57mm) thick
double doors without
coordinator

Cylinder Options

Cylinders are not furnished standard with the device or trim.
 Schlage C keyway, 6-pin standard, available in 630 or 626 finish.
 Small Format Interchangeable Core, combined/uncombined
 also available. Specify type and finish when ordering

Cylinder Type	Functions Applied	Trim	Applied Cylinder	Cyl. Length P/No.	Applied Cam
MORTISE CYLINDER  I/C Standard	03* / 05* / 07* for Mortise Device	200	Standard	1-1/4" (441-103)	440-0702
			I/C	1-3/8" (442-701)	440-0706
	08 for RIM/SVR/CVR*/3PT	300	Standard	1-1/8" (441-102)	440-0704
			I/C	1-3/8" (442-701)	440-0708
	10 for RIM Device		Standard	1-1/8" (441-102)	440-0710
			I/C	1-3/8" (442-701)	440-0711
	08 / 09 / 10 for Mortise Device		Standard	1-5/8" (441-106)	440-0702
			I/C	1-1/2" (442-702)	440-0706
RIM CYLINDER  I/C Standard	Cylinder Dogging	All Devices	Standard	1-1/4" (441-103)	440-0702
			I/C	1-3/8" (442-701)	440-0706
	03* / 05* for RIM/SVR/CVR/3PT	200	Standard/ I/C	Tailpiece Length 3-1/8" (79.6mm)	
	09 for RIM/SVR/CVR/3PT	300			
	10 for RIM/Mortise Device				
Function Number By ANSI A156.3					

* must use with cylinder guard

Cylinder Cam



Cam #440-0702

For Mortise Device or
Cylinder Dogging



Cam #440-0704

For RIM/SVR/CVR/3PT
Outside Trim 08 function



Cam #440-0710

Extension Cam for RIM Device
Double Cylinder

Cylinder Guard



P/No. 4240-0202

For use on 03 / 05 / 07
Thumbpiece trim and
CVR 08 Escutcheon Trim

I/C Core



Specify 6pin or 7pin , Combined or
Uncombined and finish 606 or 626
When ordering

Double Cylinder – Handed

1100 Rim Device – Handed



1400 Mortise Device-Handed



The Double Cylinder option is available on the Rim and Mortise Exit Devices. The inside key cylinder locks or unlocks the outside Trim and the outside key cylinder locks or unlocks the outside Trim. Specify Outside Trim with “07” or “10” function depending on trim options. When only the inside key cylinder is required to lock or unlock the outside trim and no outside cylinder operation is necessary for Rim Exit Device specify “14” (outside trim will be with blank mortise cylinder). for Mortise Exit Device specify “14” or “15” function depending on trim options.

Cylinder – Not furnished standard

Rim Device – One rim type inside and one 1-1/4” long mortise type outside

Mortise Device – One rim type inside and one mortise type outside

To Order – Specify Hand and Finish

Dogging

LD-Less Dogging

Less Dogging is available in all 1000 Series panic exit devices



CD-Cylinder Dogging

Available for all models except Fire Exit Hardware. Cylinder Dogging provides the ability to lock down the push bar with a key cylinder; so the door can be used in the Push/Pull mode. To order specify “CD”, requires the use of a 1-1/4” mortise cylinder, not furnished standard. Specify when required.



FKD- Flat Key Dogging

Flat key / Hex key



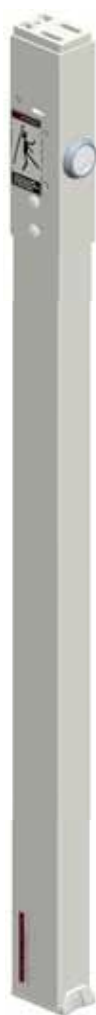
Electric Latch Retraction – ELR

Details see page17



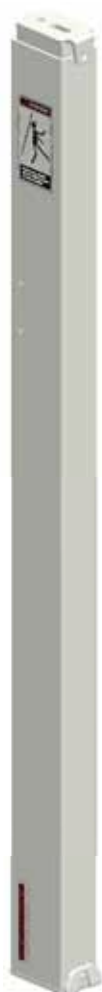
Mullions

Removable mullions are used with paired doors where a full width opening is only occasionally required. Doors are fitted with Rim Exit Devices and normally function as single doors. Available in 7', 8' or 10' lengths.



Model 170 Keyed Removable Mullion

Provides a secure, quick & easy means of removing The 170 Mullion. The Mullion can be installed and locked without using key.
Top and Bottom Fittings : Investment cast steel, Furnished with steel anchors for floors.
Mullion : 2" x 3" Steel.
Stock size : 8' length standard, can be cut for opening less than 8' . 10' length available upon request.
Finishes : 600, 689, 695
UL Listed : F170 listed for Fire Exit Hardware
Cylinder : Not furnished standard, keying is standard 1-1/8" mortise cylinder with cam.
Specify with or without 106 RIM strikes when ordering



Model 270 Removable Mullion (Non-Keyed)

Top and Bottom Fittings : Investment cast steel, furnished with steel anchors for concrete floors.
Mullion : 2" x 3" Steel
Stock Size : 8' length standard, can be cut for openings less than 8' . 10' length available upon request.
Finishes : 600, 689, 695
UL listed : Listed for Fire Exit Hardware
Specify with or without 106 RIM strikes when ordering

Miscellaneous

Shims

For 106 Rim strike

For CVR top & bottom latches



P/N. 616819-010

Two(2) pieces furnished standard.



P/N. 616819-050

Sixteen(16) pieces furnished standard for Top and Bottom latches. Eight (8) pieces furnished standard for LBR

Top Rod

Device No	Device No	Part No.	Rod Length	Door Height
	1200 1500 (SVR/3PT)	616823-020	36-1/8" (916mm)	7'
		616823-030	48-1/8" (1221mm)	8'
		616823-030 Add	48-1/8" (1221mm) Add	10'
		616823-040	24" (608mm)	
	1300 (CVR)	616823-070	36" (940mm)	7'
		616823-080	49" (1245mm)	8'
		616823-080 Add	49" (1245mm) Add	10'
		616823-050	23-7/8" (605mm)	

For doors of lesser height rods must be field cut.

Bottom Rod

Device No	Device No	Part No.	Rod Length
	1200 1500 (SVR/3PT)	616823-010	31-7/8" (807mm)
	1300 (CVR)	616823-060	31-3/4" (805mm)

For push bar location at 39-5/8" (1006 mm) from finished floor .

Coord inator

Dummy Push Bar



COR7 / COR9

Prevents active door from closing before inactive door (6-3/4" length; 171mm) for pairs of doors equipped with outside astragal (8-5/8" length; 219mm) for pairs of doors equipped with inside and outside astragals. Both include bracket and wear plate Packed with wood and machine screws
Finishes! 626



DP3 / DP4

The push pad is rigid or nonfunctioning. A push /pull operation can be accomplished by using outside dummy trim. Size 3' or 4' (914mm or 1219mm)

Electrical Options

Electric Latch Retraction – ELR



ELR option provides remote Latch Retraction of exit devices. Continuous duty solenoids retract Latchbolts momentarily for unlatching or continuously for dogging. The ELR feature can be Interfaced with automatic door operators, card readers, push buttons, toggle/key switches, and fire alarm systems. ELR Devices require PS-100 Series Power Supply.

" UL Listed for Panic and Fire for Class II Circuitry.

" ELR is available with manual Flat/Hex Key For Panic Exit Devices.

Solenoid Specifications :

" Current Pulse (0.3 seconds max.) : 24 VDC, 16 Amp.

" Continuous : 24 VDC, 0.27 Amp

To order :

Prefix ELR (e.g. ELR1100)

Signal Switch – SS



Micro-switch Detecting Pushbar and Latch bolt

Two internal switches are mounted into the device. One switch is designed to monitor push bar and latch bolt assembly while any unauthorized use to the device. Alarm will be sounded once the switch has been activated. The other switch is to connect with the 1 1/4 (32mm) mortise with straight cam when alarm has been triggered. A power supply must be set from the frame to the door in order support the wire transfer.

Electrical Ratings :

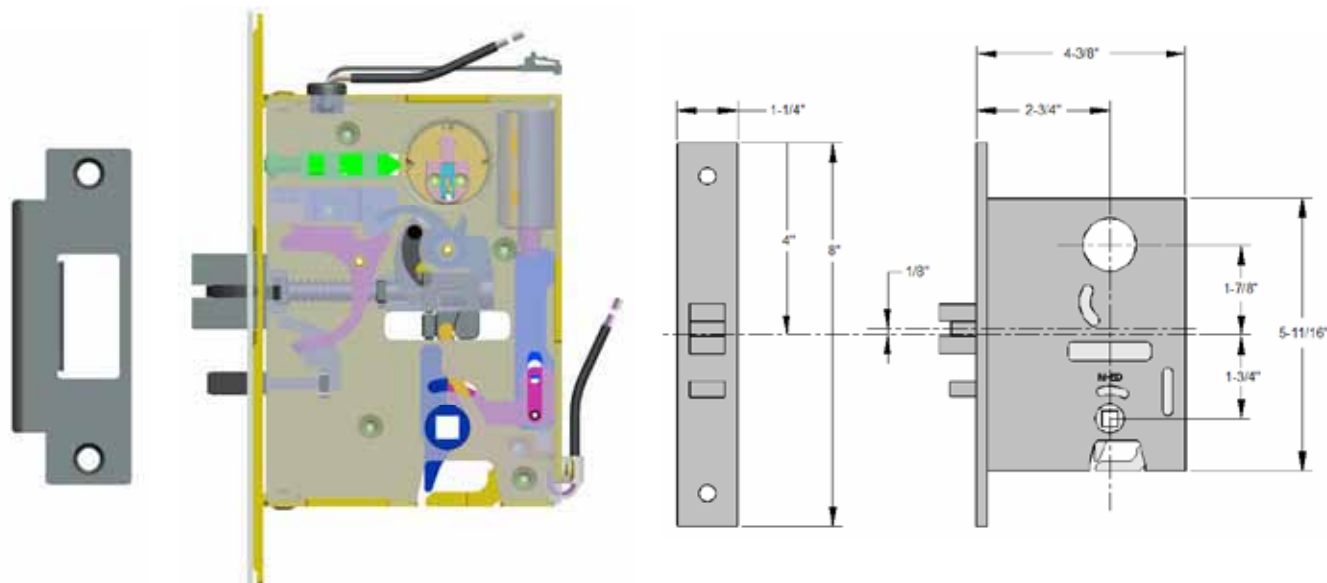
" 24VDC, 2 Amp SPDT.

SPDT (Single Pole, Double Throw)

To order :

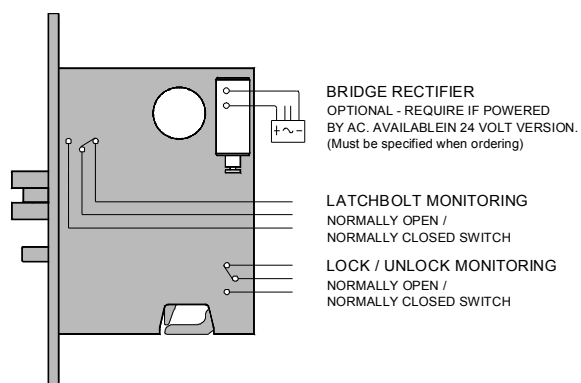
Prefix SS (e.g. SS1100)

Electric Mortise Lock

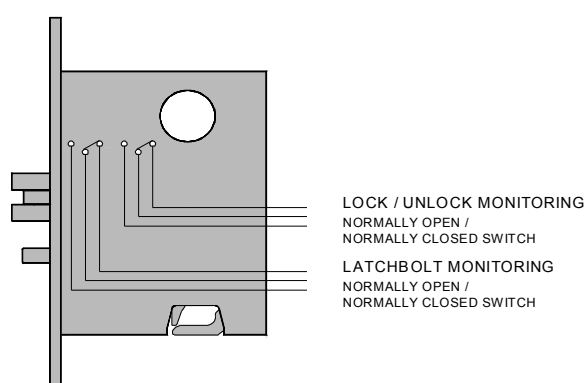


Wiring Diagram

E Mortise Function



SS Mortise Function



The E1400 controls the locking of the outside trim. When unlocked, the door remains latched, preserving the fire rating of the door and making it particularly useful where codes permit locking but require unlocking during a fire emergency. The outside trim cylinder retracts the latch bolt for mechanical override, night latch function.

The mortise lock is available with the following electrical options :

- " E1400 – Electric lock/unlock with security monitoring and lock/unlock monitoring
- " SS1400 – Security monitoring and lock/unlock monitoring

Electrical Ratings:

- " Solenoid current : 24VDC, 0.2 Amp.
- " Switch rated : 24VDC, 2 Amp SPDT.
SPDT (Single Pole, Double Throw)

Mortise Lock is furnished standard as Fail Secure (FSE). When power is off the trim is locked. Power is applied to unlock the trim. May be field converted to the Fail Safe (FS) mode. (FS) - power is applied to lock the trim.

To order :

Prefix SS or E and Suffix FSE or FS(e.g. E1400FSE)

EXIT ALARM – ALK



The Exit Alarm provides a simple way to audibly monitor the use of an exit device. The unit contains an alarm which is activated when the push bar is depressed. Alarm sounds at 80db at 10 feet. The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal. Also can be powered using the PS-ALK Power Supply. See PS-ALK for additional information.

The ALK requires a standard 1-1/4" Mortise Cylinder which is used as a key switch to perform the following functions:

- " Silence the alarm after activation.
- " Deactivate the alarm for continuous unmonitored egress.
- " Activate mechanical dogging for Non-Fire Rated Devices.

Available for all 1000 Series Devices from 3'0" to 4'0" wide doors. decal for application on door :

EMERGENCY EXIT ONLY
PUSH TO OPEN ALARM WILL SOUND

The ALK is available with 2 optional circuit boards. External Inhibit (EI) allows for the use of external switch to be used to arm, disarm and reset the alarm. Auto Reset (AR) rearms the alarm after a preset time. AR is available in three factory set times – 1-1/2, 3 or 6 minutes.

To order :

Prefix ALK (e.g.ALK1100)

The Exit Alarm is available in kits for retrofit on existing devices. Specify finish when ordering.

To order :

Example ALK Kit

Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the pushpad and is furnished standard.

Request to Exit – RX

Latch Bolt Monitoring – LX



Micro-switch Detecting Pushbar

The RX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the pushpad. The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

Electrical Ratings:

- " Switch rated : 24VDC, 0.5Amp SPDT.
SPDT (Single Pole, Double Throw)

To order :

Prefix RX (e.g.RX1100)

Micro-switch Detecting Latch Bolt

The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt. The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

Electrical Ratings:

- " Switch rated : 24VDC, 0.5Amp SPDT.
SPDT (Single Pole, Double Throw)

To order :

Prefix LX (e.g.LX1100)

Delayed Egress Device – DE



The Delayed Egress Exit Device provides a controlled egress for openings which require Panic or Fire Exit Hardware for safe egress. It is a self contained exit device, which when armed will deny exit to unauthorized personnel for 15 or 30 seconds, while simultaneously sounding a local or remote audible alarm. The Remote Monitoring feature will alert the security personnel that an attempt is being made to exit the opening. After the 15 (or 30) second delay of egress period the device will function as a standard exit device for safe egress.

OPERATION :

The device secures the door in the locked mode with the Red LED indicating locked status. Depressing the Pushbar by accident or for less than the Nuisance Delay Time will sound the alarm without initiating the alarm sequence. Depressing the Pushbar with less than 15 pounds pressure, for longer than the Nuisance Delay Time will initiate an irreversible local audible beeping tone and a visual Red indicator until the device releases. After the delay egress time the lock releases and the alarm changes to a steady tone which continues to alarm until Reset. The remote monitoring contact output can be used to alert security personnel.

The Delayed Egress device includes decal for application on door :

**PUSH UNTIL ALARM SOUNDS
DOOR CAN BE OPENED IN 15 SECONDS**

Note: A "30 Second" decal is provided when the 30 Second Delay option is specified.

Solenoid Specifications:

- " Current Pulse (0.3 seconds max.) : 24 VDC, 16 Amp.
 - " Continuous : 24 VDC, 0.27 Amp
- Requires PS100 Power Supply

To order :

Prefix DE (e.g.DE1100)

Electric Trim – E

Electrified trim with integral lock/unlock option. Trim can be used for all models of 1000 Series, Available as fail-secure or fail-safe. Specify suffix FSE (Fail-Secure) or FS (Fail-Safe) following trim designation. Available for the 09 function only.

To order :

Prefix E and Suffix FSE or FS
E309RFSE for RIM, SVR, CVR, 3-PT Exit Devices.
E309MFSE for Mortise Exit Device.

Electrical Ratings:

- " Solenoid current : 24VDC, 0.2 Amp.



Power Supply – PS100

The series PS100 power supply is designed to operate a wide variety of electrical products. ELR panics require 100-2 PCB minimum.

The regulated output power is field selectable for either 24VDC, 2 ampere or 12VDC, 4 ampere. Standard input 120VAC, 1.0 ampere or 240VAC, 0.5 ampere available.

The PS100 can be ordered with three standard options: Key lock secures the cover to eliminate tampering and provides Safety. Battery backup provides two hours backup power at full load during a A.C. power failure. Batteries will automatically recharge when failed power is restored. Fire Alarm provides input for a normally closed fire alarm contact. When the fire alarm contact is "open", power to locks or other component is removed. Restoring power is field selectable for automatic or manual.

Enclosure : 10" high x 12-1/2" wide x 5" deep (254mm x 318mm x 127mm), gray with a hinged cover and constructed of heavy 19 gauge steel.

To order :

The Power Supply model is determined based on the number of devices requiring electrical power :

PS101	Voltage 120VAC
PS102	Voltage 240VAC
PS101K	Voltage 120VAC with Key lock
PS102K	Voltage 240VAC with Key lock
PS101 – 2	Two(2) Zone Controller Board
PS101 – 4	Two(2) Zone Controller Board x 2
PS101 – FA	Fire alarm
PS101 – BB	Battery Backup

The series PS100 is available with several optional circuit cards to provide system flexibility. The power supply will accept one or a combination of any two cards.

To order :

100 - 2	Two(2) Zone Controller Board
100 - K	Key lock
100 - 101	120Vac Power Supply Board
100 - 102	240Vac Power Supply Board
100 - FA	Fire alarm
100 - BB	Battery Backup
100 - AC	Access Control
100 - AL	Alarm
100 - AO	Auto Operator
100 - SI	Security/Safety Interlock
100 - 4TD	Four(4) Zone Controller with Time Delay

Maximum wire run

" 55 ft.	with 16 gage wire and 28 gage Power Transfer
" 75 ft.	with 14 gage wire and 28 gage Power Transfer
" 200 ft.	with 12 gage wire and 22 gage Power Transfer

Power Transfer – EPT

EPT-1 Power Transfer with steel housing and flexible tube. Secure and inconspicuous channel to bring power from the frame to the door. Narrow, shallow channel easily mortises into door edges. Accepts up to 5/16" diameter wire bundle. Accommodates doors that swing open 120 degrees. Unit is concealed when the door is closed. Suitable for wood, aluminum or steel applications.

EPT-2 Armored flex conduit. Accepts up to 1/4 diameter wire bundle. Eighteen inches long.

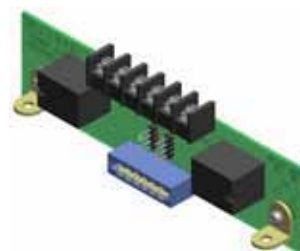
To Order:

Specify EPT-1
Specify EPT-2

PS100 Power Supply



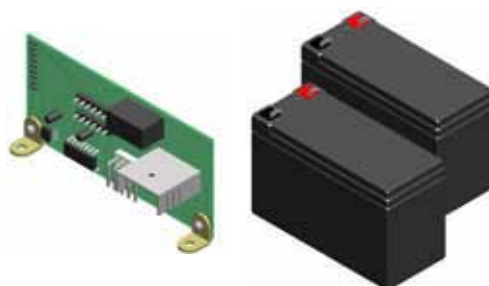
Optional Circuit Cards



100-2 For two(2) devices



100-FA For Fire Alarm



100-BB For Battery Backup

EPT-1

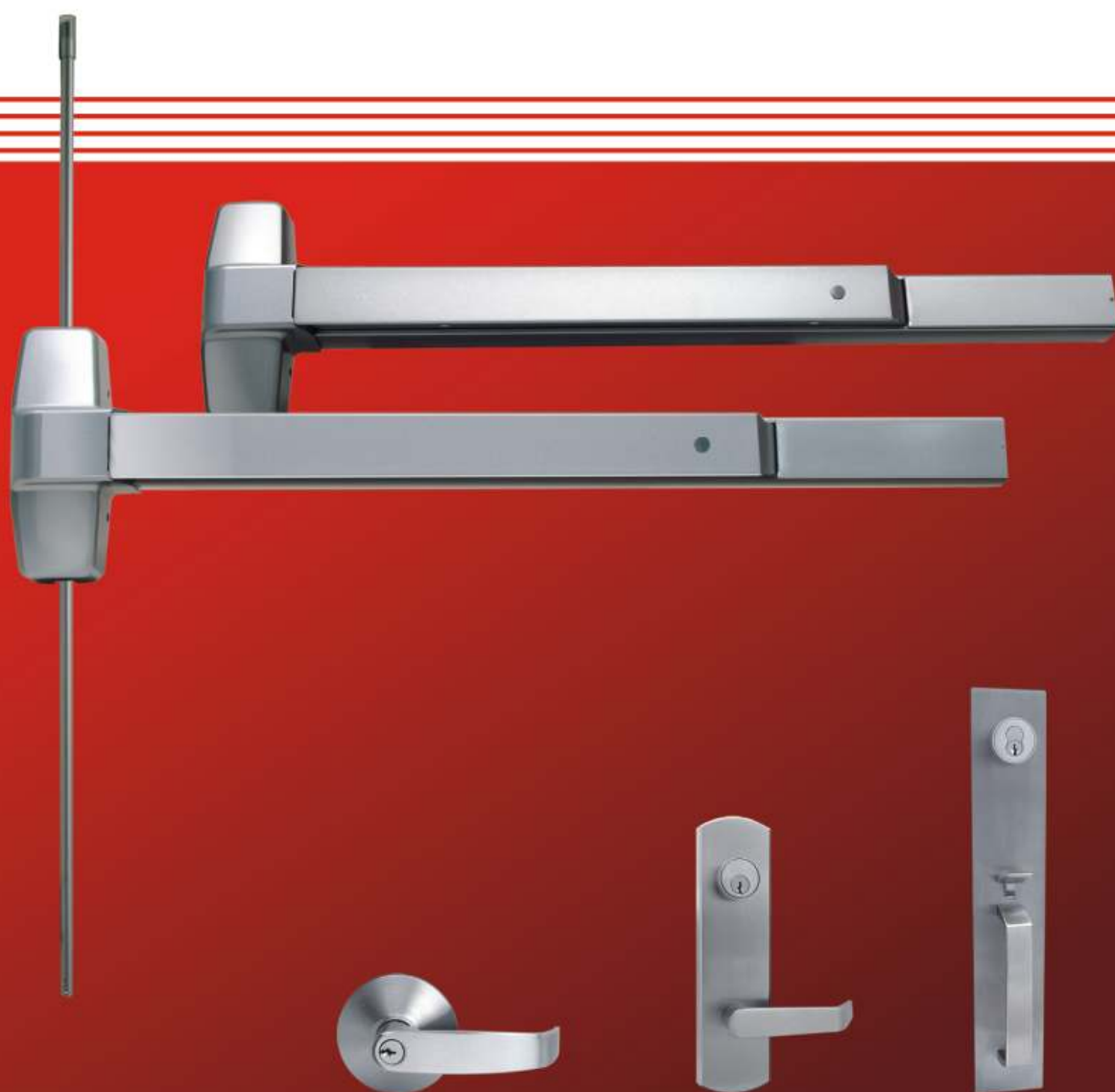


EPT-2





ED5500/5600 SERIES EXIT DEVICE



ED5500 – Panic Rim Exit Device	02
ED5500F – Fire Rim Exit Device	02
ED5600 – Panic SVR Exit Device	03
ED5600F – Fire SVR Exit Device	03
ED5500L – Key-in-Lever Trim for Panic Device	04
ED5600L – Key-in-Lever Trim for Fire Device	04
ED5500E – Escutcheon Trim for Panic and Fire Device	05
ED5500T – Thumbpiece Trim for Panic and Fire Device	06

Product Introduction:

The ED5500/5600 Series exit device is designed for heavy traffic applications, and for new or retrofit installation of Von Duprin™ 98/99 series, or Sargent™ 8800 series. Available in rim and surface vertical rod mountings on flush and wide stile doors. Fits 161 cutouts. Three types of trims—Key-in-Lever, Escutcheon and Thumbpiece are available. Finishes include aluminum, duro, US26D and US32D. Devices are ANSI/BHMA A156.3 Grade 1 certified and UL listed for panic or fire(F) hardware.

ED5500 Series

ANSI / BHMA Grade 1 Rim Exit Device



ED5500—Panic Rim Exit Device
ED5500F—Fire Rim Exit Device

► ED5500/ED5500F—ANSI / BHMA Grade 1 Rim Exit Devices

Performance Features:

- Certified ANSI/BHMA A156.3-2008 Grade 1
- ED5500 UL listed for Panic Exit Hardware, ED5500F UL listed for Fire Exit Hardware 3 hours
- Applicable for single door, and double door with or without mullion
- Allen wrench dogging feature for ED5500
- Non-handed, trim field reversible
- Available finishes: US32D, Aluminum, Duro

Code Compliance:

- Both ED5500 and ED5500F meet ANSI/BHMA A156.3 Grade 1 requirements
- ED5500 UL listed for Panic Exit Hardware, and UL10, UBC 7-2-1997 Codes
- ED5500F UL listed for Fire Exit Hardware for 3 hours
- (A) label rating on pairs of doors up to 4'0" x 8' 0" swinging in same or opposite egress doors
- Meet requirements of the Americans with Disabilities Act
- Meet requirements of the Buy American Act



Specifications:

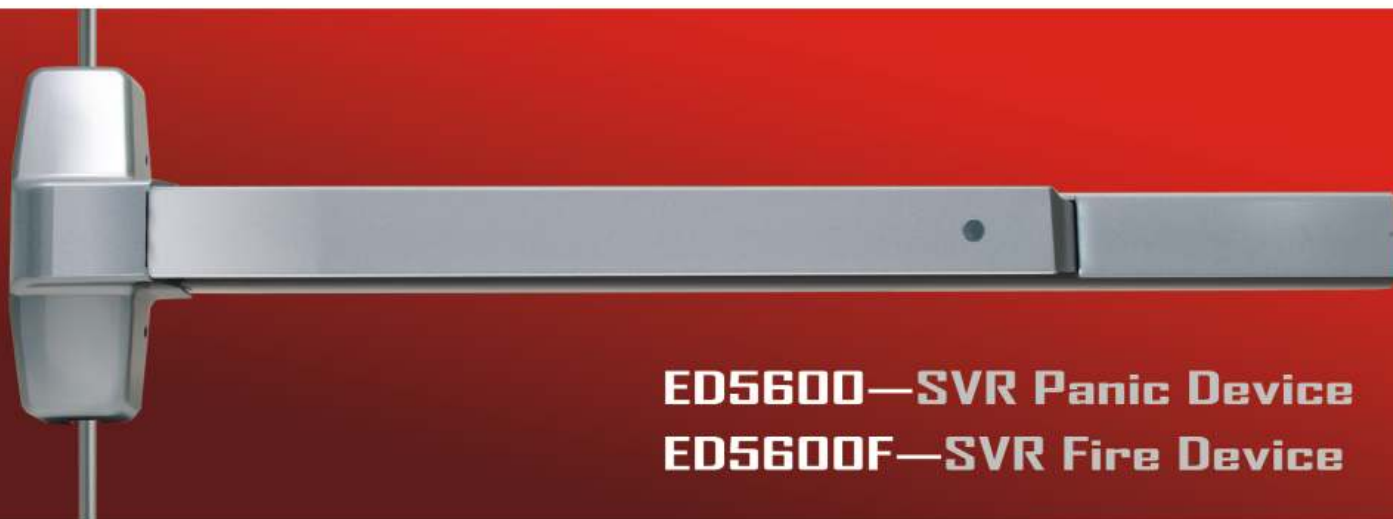
- **Door Thickness:** 1-3/4" standard
- **Backset** 2-3/4"
- **Device Length:** 3' 2' 6" to 3' (762mm to 914mm) door size
4' 3' to 4' (914mm to 1219mm) door size
- **Stile Requirement:** 4-1/2" minimum
- **Latch Bolt:** Deadlocking, with 3/4" throw
- **Strike:** Dull black, 5/8" stop plus shim for 1/2" stop
- **Dogging Feature:** Allen wrench provided for ED5500, No dogging on ED5500F
- **Sex Bolts(SNB):** standard on ED5500F, optional on ED5500
- **Touch Bar Projection:** Push bar neutral—2-7/8"
Push bar depressed—2-5/32"
- **Device Centerline from Finished Floor:** 41"
- **Handing:** Non-handed with reversible trim
- **Available Finishes:** US32D, Aluminum, Duro

How to order:

Series	Length	Finish
ED5500 – Panic Rim ED5500F – Fire Rim	36—for door 2' 6" to 3' 48 – for door 3' to 4'	US32D – Satin SST Alum-Aluminum Duro
Example: ED5500F-36-US32D 1. Fire Rim 2. For 36' door wide 3. Satin Stainless Steel		

ED5600 Series

ANSI / BHMA Grade 1 SVR Exit Device



ED5600—SVR Panic Device
ED5600F—SVR Fire Device

▶ ED5600/ED5600F—ANSI / BHMA Grade 1 Surface Vertical Rod Devices

Performance Features:

- Certified ANSI/BHMA A156.3-2008 Grade 1 requirements
- ED5600 UL listed for Panic Exit Hardware, ED5600F UL listed for Fire Exit Hardware 3 hours
- Allen wrench dogging feature for ED5600
- Non-handed, trim field reversible
- Available finishes: US32D, Aluminum, Duro

Code Compliance:

- Both ED5600 and ED5600F meet ANSI/BHMA A156.3 Grade 1 Certified
- ED5600 UL listed for Panic Exit Hardware, and UL 10, UBC 7-2-1997 Codes
- ED5600F UL listed for Fire Exit Hardware for 3 hours
- (A) label rating on pairs of doors up to 4'0" x 8' 0" swinging in same or opposite egress doors
- Meet requirements of the Americans with Disabilities Act
- Meet requirements of the Buy American Act



Specifications:

- **Door Thickness:** 1-3/4" standard
- **Device Length:** 3' 2' 6" to 3' (762mm to 914mm) door size
4' 3' to 4' (914mm to 1219mm) door size
- **Stile Requirement:** 4-1/2" minimum

- **Latch Bolt:** Deadlocking, with 3/4" throw
- **Dogging Feature:** Allen wrench provided for ED5600, No dogging on ED5600F
- **Through Bolt:** standard on ED5600F, optional on ED5600
- **Touch Bar Projection:** Push bar neutral—2-7/8"
Push bar depressed—2-5/32"
- **Top and Bottom Latch case:** 3-15/16" x 2-1/8" x 1-3/8"
- **Fire Rated Top and Bottom Latch Case:** 3-15/16" x 2-11/16" x 2-1/6"
- **Top Latch Bolt:** Pullman type, stainless steel, 3/4" throw
Bottom Latch Bolt: Pullman type, stainless steel, 3/4" throw
- **Top and Bottom Rod:** Bottom – 37-3/4"
Top – 37-3/4" standard,
56-1/6" for 48"x96" device
- **Device Centerline from finished floor:** 41"
- **Handing:** Non-handed with reversible trim
- **Available finishes:** US32D, Aluminum, Duro

How to order:

Series	Length	Finish
ED5600- Panic Surface Vertical Rod	3684 – 36" x 84"	US32D – Satin SST
ED5600F- Fire Surface Vertical Rod	4896 – 48" x 96"	Alum – Aluminum Duro
Example: ED5600-3684-US32D		
1. SVR Panic		
2. For 36"x84" door		
3. Satin Stainless Steel		

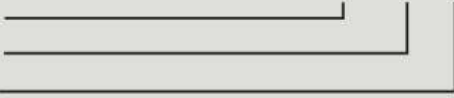
Key-in-Lever Trim



Features:

- Non-handed Grade 1 Construction
- Thru-bolted mounting
- Clutching feature on keyed functions
- Available for panic and fire rated rim and vertical rod exit devices
- Rose diameter: 3-1/2"
- Lever length: 4-3/4"
- Door thickness: 1-3/4" to 2-1/4"
- Cylinder: Brass, Schlage C keyway standard, 2 brass keys for each cylinder
- SFIC: Accept 6 or 7 pin SFIC cores
- Door Prep: Fits and covers 161 cutout
- Backset: 2-3/4"
- Available finish: US26D

How to order:

Trim Type	Function	Finish
ED5500L-Key-in-Lever, for Panic Device	F-02 、 F-08	US26D
ED5600L-Key-In-Lever, for Fire Device	F-09 、 F-14	
Example :		<u>ED5500L-02-US26D</u>
1. ED5500L		
2. Dummy		
3. US26D		

Functions:

Trim Type	ANSI Code	Function
ED5500L-08 ED5600L-08	F-08 Entrance	Key locks or unlocks latch bolt
ED5500L-09 ED5600L-09	F-09 Storeroom	Night latch, key retracts latch bolt
ED5500L-14 ED5600L-14	F-14 Passage	Lever operable, no cylinder
ED5500L-02 ED5500L-02	F-02 Dummy	Pull when dogged

Escutcheon Lever Trim



Features:

- Non-handed Grade 1 Construction
- Thru-bolted mounting
- Clutching feature on keyed functions
- Available for panic and fire rated rim and vertical rod exit devices
- Escutcheon dimensions: 2-5/16" (W) X 8-1/2" (L)
- Lever length: 4-3/4"
- Door thickness: 1-3/4"
- Cylinder: Brass, Schlage C keyway standard, 2 brass keys for each cylinder
- SFIC: Accept 6 or 7 pin SFIC cores
- Door Prep: Fits and covers 161 cutout
- Backset: 2-3/4"
- Available finish: US26D, Duro, Alum

How to order:

Trim Type	Function	Finish
ED5500E	F-02 、 F-08 F-09 、 F-14	US26D、 Duro、 Alum
Example : ED5500E-02-US26D		
1. ED5500E	_____	_____
2. Dummy	_____	_____
3. US26D	_____	_____

Functions:

Trim Type	ANSI Code	Function
ED5500E-08	F-08 Entrance	Key locks or unlocks latch bolt
ED5500E-09	F-09 Storeroom	Night latch, key retracts latch bolt
ED5500E-14	F-14 Passage	Lever operable, no cylinder
ED5500E-02	F-02 Dummy	Pull when dogged

Thumbpiece Trim



Features:

- Thru-bolted mounting
- Available for panic and fire rated rim and vertical rod exit devices
- Escutcheon dimensions: 2-5/8" (W) X 15" (L)
- Pull handle projection: 1-3/4"
- Door thickness: 1-3/4"
- Cylinder: Brass, Schlage C keyway standard, 2 brass keys for each cylinder
- SFIC: Accept 6 or 7 pin SFIC cores

How to order:

Trim Type	Function	Finish
ED5500T	F-02 、 F-03 F-05 、 F-15	US32D、 Duro
Example: ED5500T-02-US32D 1. ED5500T _____ 2. Dummy _____ 3. US32D _____		

Functions:

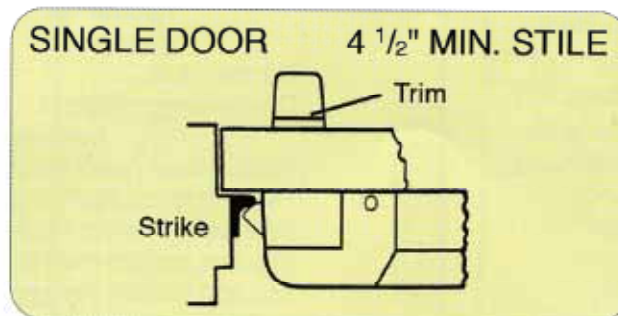
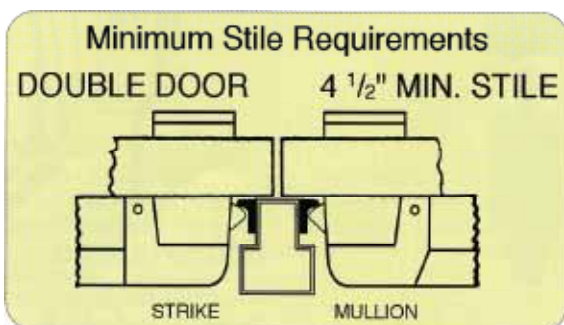
Trim Type	ANSI Code	Function
ED5500T-05	F-05 Entrance	Key locks or unlocks latch bolt
ED5500T-03	F-03 Storeroom	Night latch, key retracts latch bolt
ED5500T-15	F-15 Passage	Lever operable, no cylinder
ED5500T-02	F-02 Dummy	Pull when dogged



17901 Railroad Street, City of Industry, CA 91748

Toll Free: (877) 858-0888 Tel: (626) 965-8917 Fax: (626) 965-8919

Web: www.townsteel.com sales@townsteel.com

GRADE 2 PANIC RIM EXIT DEVICE**Minimum Stile Requirements****FEATURES**

- Conforms to ANSI A156.3 Grade 2
- Doors- 1 3/4" standard thickness, useable on doors 1 3/8" to 2" thick (specify when other than 1 3/4"). Door widths from 30" to 48".
- Hardware furnished for metal and wood door mounting
- Latch bolt- Stainless steel with 3/4" throw
- Dead Latch Bolt- 5/8" Stainless steel
- Non-handed with reversible trim
- Stainless steel or steel construction of the chassis, rail assembly and end cap
- Stile requirements- 4 1/2" minimum
- Strike- 5/8" stop plus shim for 1/2" stop
- Device length- 3' & 4' lengths
- Dogging Feature- Allen key provided (not for use on fire doors)

SPECIFICATIONS

Grade 2 Panic Rim Exit Device - PANIC EXIT DEVICE is a non-handed exit device with a dead locking latch bolt. The device is TownSteel model number TS5000-36 (3' length) and TS5000-48 (4' length). The device is used on any exit door where panic exit hardware is required. The device conforms to Grade 2 of ANSI A156.3. Useable on doors 1 3/8" to 2" thick and door width of 30" to 48".

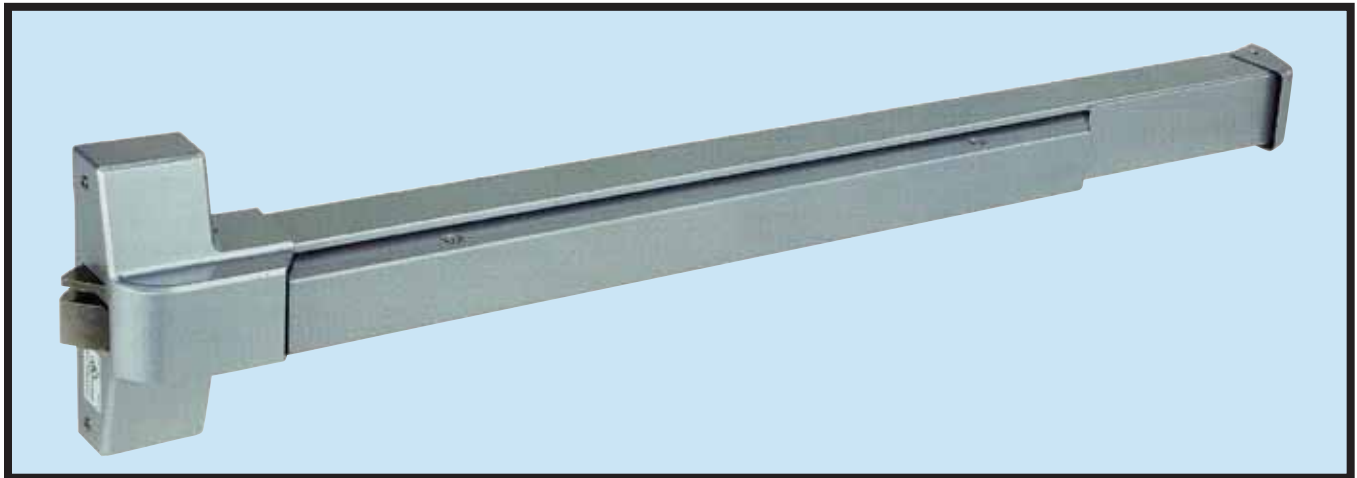
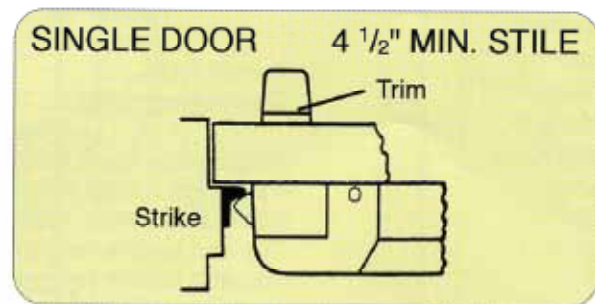
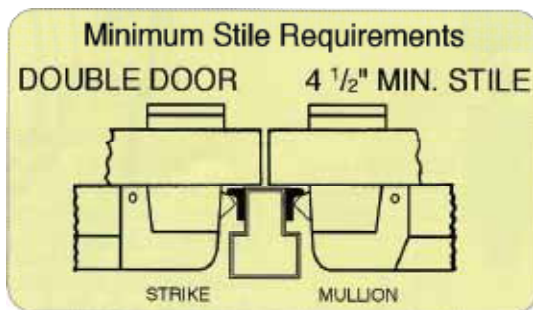
OPTIONAL OUTSIDE TRIM LEVER

- Non handed Grade 2 (Optional Clutch)
- Tubular body hardened steel heavy duty tailpiece.
- For 1 3/4" doors.
- Available for fire and non fire rated rim and vertical rod exit devices.
- Rose diameter 3", lever length 4 3/4"
- Fits and covers 161 cutout.
- Finishes: US26D US10B.
- Function: TL8000L-ANSI Function 08/13. Entrance-Key retracts latch-bolt, unlocks lever.
- TL8000S-ANSI Function 04. Storeroom-Key operation lever, otherwise always locked.
- TL8000P-ANSI Function 01. Passage.

CODE COMPLIANCE

707 N. Barranca Ave., Bldg #6, Covina, CA 91723

Tel: 626-858-5080 Fax: 626-858-3393 <http://www.townsteel.com>

GRADE 2 FIRE RIM EXIT DEVICE**Minimum Stile Requirements****FEATURES**

- UL listed for 3 hour fire doors
- Conforms to ANSI A156.3 Grade 2
- Doors- 1 3/4" standard thickness, useable on doors 1 3/8" to 2" thick (specify when other than 1 3/4"). Door widths from 30" to 48".
- Hardware furnished for metal and wood door mounting
- Latch bolt- Stainless steel with 3/4" throw
- Dead Latch Bolt- 5/8" Stainless steel
- Non-handed with reversible trim
- Stainless steel or steel construction of the chassis, rail assembly and end cap
- Stile requirements- 4 1/2" minimum
- Strike- 5/8" stop plus shim for 1/2" stop
- Device length- 3' & 4' lengths

CODE COMPLIANCE**SPECIFICATIONS**

Grade 2 Fire Rim Exit Device - FIRE RIM EXIT DEVICE is a non-handed exit device with a dead locking latch bolt. The device is TownSteel model number TS8000-36 (3' length) and TS8000-48 (4' length). The device is used on any exit door where panic or fire exit hardware is required. The device is UL rated for use on 3 hour fire doors and conforms to Grade 2 of ANSI A156.3. Useable on doors 1 3/8" to 2" thick and door width of 30" to 48".

OPTIONAL OUTSIDE TRIM LEVER

- Non handed Grade 2 (Optional Clutch)
- Tubular body hardened steel heavy duty tailpiece.
- For 1 3/4" doors.
- Available for fire and non fire rated rim and vertical rod exit devices.
- Rose diameter 3", lever length 4 3/4"
- Fits and covers 161 cutout.
- Finishes: US26D US10B.
- Function: TL8000L-ANSI Function 08/13. Entrance-Key retracts latch-bolt, unlocks lever.
- TL8000S-ANSI Function 04. Storeroom-Key operation lever, otherwise always locked.
- TL8000P-ANSI Function 01. Passage.



707 N. Barranca Ave., Bldg #6, Covina, CA 91723

Tel: 626-858-5080 Fax: 626-858-3393 <http://www.townsteel.com>

Grade 2 Surface Mount Vertical Rod Exit Device



FEATURES

- Surface mount vertical rod exit device
- Medium traffic application
- For door thickness 1-3/8" to 2"
- Allen-key dogging feature
- Non-handed, trim field reversible
- Available finishes: US32D, Aluminum

CODE COMPLIANCE



- UL: TS 5100 listed for Panic Hardware, TS 8100 listed for Fire Exit Hardware
- ANSI: Meet all Grade 2 requirements of ANSI 156.3
- BAA: Meet guidelines of the Buy American Act

SPECIFICATIONS

- Door Thickness: 1-3/8" to 2" (specify when other than 1-3/4")
- Door widths: 33"-48"
- Stile: 3-1/2" minimum
- Mounting: Furnished standard with wood & machine screws and SNB's
- Cover: Zinc or stainless steel
- Chassis: Steel or stainless steel
- Rail Assembly: Steel or stainless steel
- End Cap: Steel or stainless steel
- Handing: Non-handed, trim field reversible
- Latch bolt: Stainless steel, 3/4" throw
- Dogging: Allen-key (Not permitted on fire rated model)
- Finish: US32D & Aluminum





TownSteel®
Architectural Hardware MFG

**NARROW STILE
EXIT DEVICES
PRODUCT CATALOG**



Townsteel Inc.

www.townsteel.com



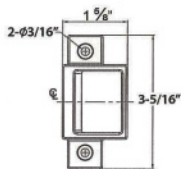
ED6500 SERIES

NARROW STILE EXIT DEVICES

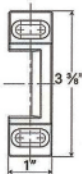
ED6500—Grade 1 Rim Type, Narrow Stile Exit Device



246 STRIKE



246 STRIKE



247 STRIKE
(OPTIONAL)

Specifications

For Doors	Wood, Metal or Aluminum Glass Doors with 1-3/4" minimum stile width
Door thickness	1-3/4" for single or double door
Chassis	Non-ferrous alloy
Cover	Brass, bronze or stainless steel
Mounting	Furnished with wood and machine screws.
End cap	Brass, bronze or stainless steel construction
Rail assembly	Heavy gauge brass, bronze or stainless steel
Spring	Stainless steel
Latch bolt	Stainless steel 3/4" throw
Strike	246 type standard
Dogging	Allen wrench type
Handing	Non-handed
Finish	US10B and US32D

Dimensions

Push rail height to finished floor	41" at center
Push rail projection	Neutral 2-1/2", Depressed 1-7/8"
Center case	8-1/16" x 1-1/8" x 2"

Model	Actual Length	Max Cut Down	Door Size
ED6500-36	34-1/2"	8"	28" to 36" width
ED6500-48	46-11/32"	13-25/32"	37" to 48" width

Options

Alarm kit	Available. Indicate ALRM on part number
Mullion	Available upon request
Strike	247 type
Throbbolts mounting	Available upon request

Code Compliance

UL/ULC	Listed Panic and Safety for all types of 4'x8' single and 8'x8' double doors
ANSI/BHMA	Meet A156.3 Grade 1 Requirements
BAA	Meet requirements of the Buy American Act

ED6500—Grade 1 Rim Type, Narrow Stile Exit Device**How to order**

Series	Door width	Finish	Alarm	Sample: ED6500-36-US32D-ALRM ED6500: Rim Type _____ Alarm:ALRM 36: For 28" to 36" _____ Finish:32D
ED6500: Rim Type	36: For 28" to 36" 48: For 37" to 48"	US10B US32D	ALRM (OPTIONAL)	

Escutcheon Trim for ED6500 Device

Function	ED6500E-08	ED6500E-09	ED6500E-02	ED6500E-14
Trim				
Description	Entrance, Clutched, Key locks or unlocks lever	Storeroom, Clutched, Key unlocks lever, lever retracts latch bolt	Dummy, Rigid, Pull when dogged	Passage, Trim always operable

How to order

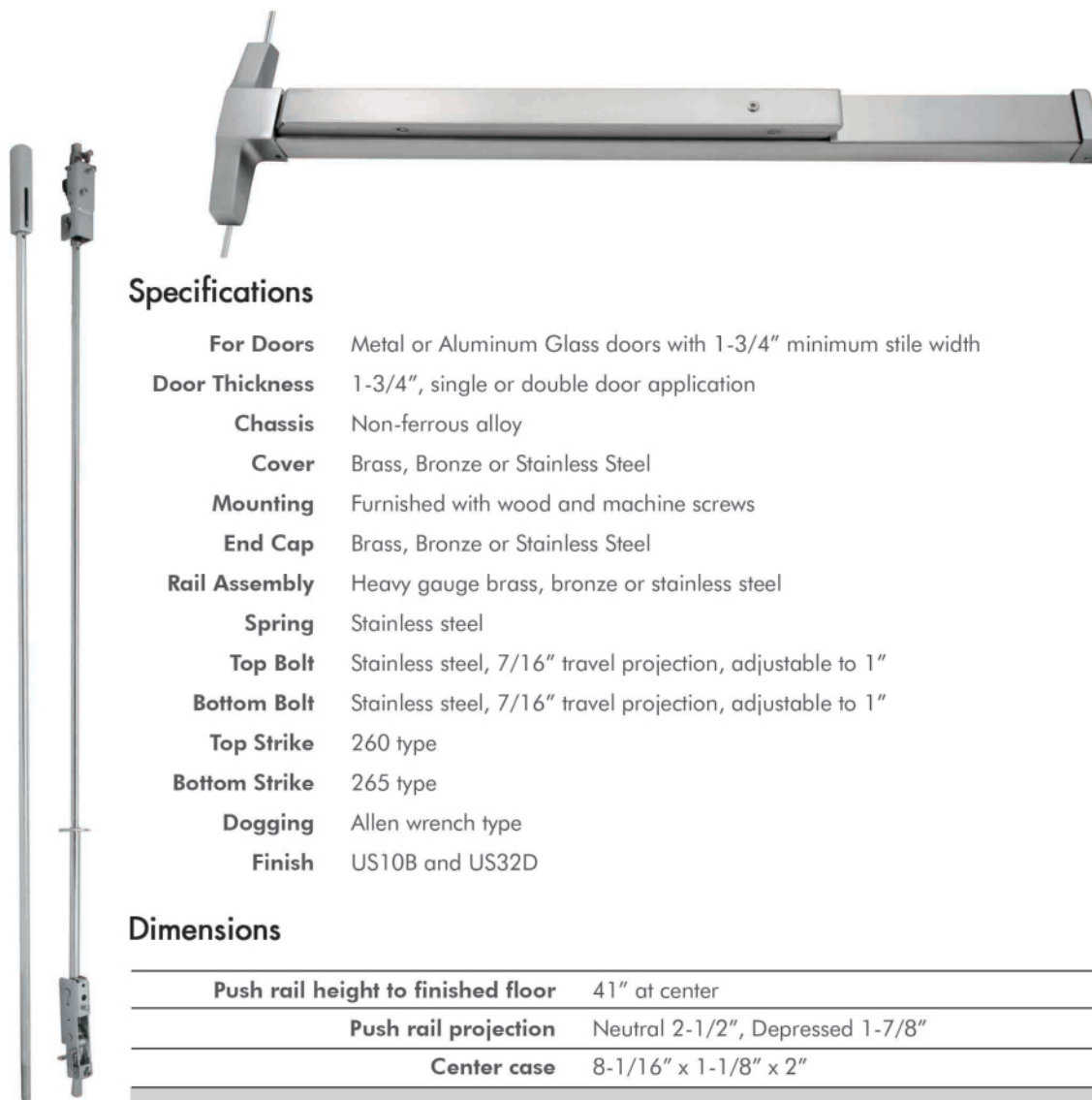
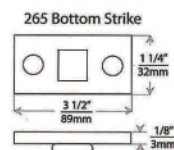
Series	Function	Finish	Sample: ED6500E-08-US26D ED6500E: Escutcheon Trim for ED6500 device _____ Function: 08-Entrance _____ Finish: US26D _____
ED6500E: Escutcheon Trim for ED6500 device	08—Entrance 09—Storeroom 14—Passage 02—Dummy	US10B US26D	



ED6700 SERIES

NARROW STILE EXIT DEVICES

ED6700—Grade 1 Concealed Vertical Rod Narrow Stile Exit Device



Specifications

For Doors	Metal or Aluminum Glass doors with 1-3/4" minimum stile width
Door Thickness	1-3/4", single or double door application
Chassis	Non-ferrous alloy
Cover	Brass, Bronze or Stainless Steel
Mounting	Furnished with wood and machine screws
End Cap	Brass, Bronze or Stainless Steel
Rail Assembly	Heavy gauge brass, bronze or stainless steel
Spring	Stainless steel
Top Bolt	Stainless steel, 7/16" travel projection, adjustable to 1"
Bottom Bolt	Stainless steel, 7/16" travel projection, adjustable to 1"
Top Strike	260 type
Bottom Strike	265 type
Dogging	Allen wrench type
Finish	US10B and US32D

Dimensions

Push rail height to finished floor		41" at center	
Push rail projection		Neutral 2-1/2", Depressed 1-7/8"	
Center case		8-1/16" x 1-1/8" x 2"	
Model	Actual Length	Max Cut Down	Door Size
ED6700-3684	34-1/2"	8"	28" to 36" wide, 84" high
ED6700-4896	46-11/32"	13-25/32"	37" to 48" wide, 96" high

Options

Alarm kit	Available. Indicate ALRM on part number
Mullion	Available upon request

Code Compliance

UL/ULC	Listed Panic and Safety for all types of 4'x8' single and 8'x8' double doors
ANSI/BHMA	Meet A156.3 Grade 1 Requirements
BAA	Meet requirements of the Buy American Act

How to order

Series	Door width	Finish	Alarm	Sample:
ED6700: CVR Type	3684: For 28" to 36" wide, 84" high door 4896 :For 37" to 48" wide, 96" high door	US10B US32D	ALRM (OPTIONAL)	ED6700-3684-32D-ALRM ED6700: CVR Type 3684: For 28" to 36" wide,84"high door Alarm:ALRM Finish:32D

Function	ED6700E-08	ED6700E-09	ED6700E-02	ED6700E-14
Trim				
Description	Entrance, Clutched, Key locks or unlocks lever	Storeroom, Clutched, Key unlocks lever, lever retracts latch bolt	Dummy, Rigid, Pull when dogged	Passage, Trim always operable

How to order

Series	Function	Finish	Sample:
ED6700E: Escutcheon Trim for ED6700	08-Entrance 09-Storeroom 14-Passage 02-Dummy	US10B US26D	ED6700E-08-26D ED6700E: Escutcheon Trim for ED6700 Function: 08-Entrance Finish: US26D



TownSteel

Townsteel Inc.

17901 Railroad Street | City of Industry, CA 91748
Toll Free: 877-858-0888 | Tel: 626-965-8917 | Fax: 626-965-8919
www.townsteel.com



DOOR CLOSERS

PRODUCT CATALOG



COMPANY INTRODUCTION:



Townsteel has been manufacturing high quality commercial and residential grade hardware for over 20 years. We take pride in our ability to maintain a product offering that is second to none. With a talented and dedicated engineering team, Townsteel is continually innovating our product line to assure that we are on the cutting edge of the Door and Hardware Industry. Our trims are made of the finest quality Stainles Steel and Plated materials to assure their longevity.

Townsteel has the goal of offering the most imaginative and exciting design concepts possible limited only by the physical confines of the product and codes. We look forward to working with you to bring your project in ON TIME, ON BUDGET, and to your COMPLETE SATISFACTION.



CATALOG

Index

TDC40	02
TDC70	05
TDC85	08
TDC90	10
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HEAVY DUTY GRADE 1 DOOR CLOSER

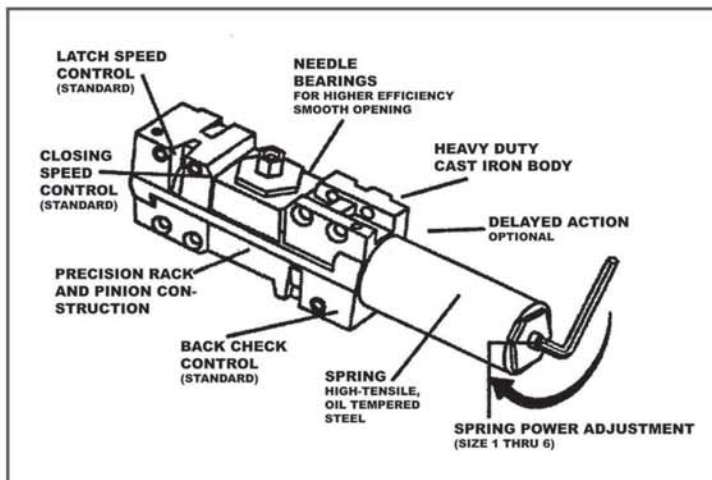
TDC40



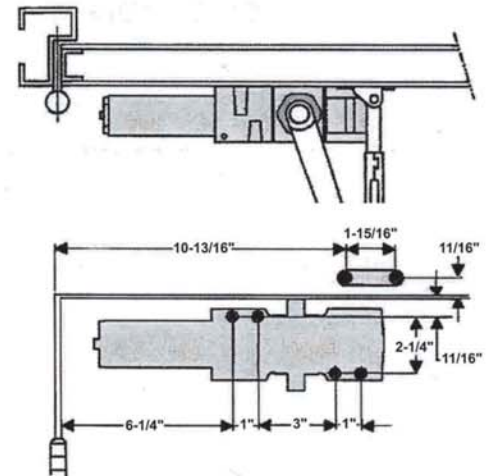
Feature Highlight:

- For heavy traffic areas, exterior or interior
- Heavy duty cast iron body, non handed
- Precision rack and pinion construction
- Regular arm standard, Friction Hold-Open, Cush, and Hold-Open and Cush arm optional
- Tri-Style installation: includes hardware and brackets to allow for regular, top jamb, and parallel arm installation
- Adjustable spring power from size 1 to size 6, factory preset size 3.
- Separate and adjustable Latch, Sweep and Backcheck valves standard
- Adjustable Delayed Action Closing valve optional
- UL listed molded plastic full cover standard, metal cover optional
- All-weather fluid, allowing door closer to perform in temperatures ranging from -31°F to 140°F
- Needle Bearing for higher efficiency
- 1-1/2" (38 mm) diameter piston
- 5/8" (16 mm) diameter pinion
- 2-5/16" (58 mm) projection (standard cover)
- Door Opening: regular arm 120°, parallel arm 180°, and top jamb 120°
- Finish: Aluminum and Duro stock finishes, other finishes upon request

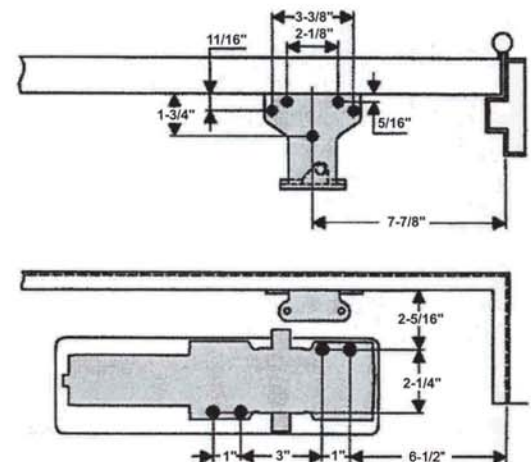
Profile:



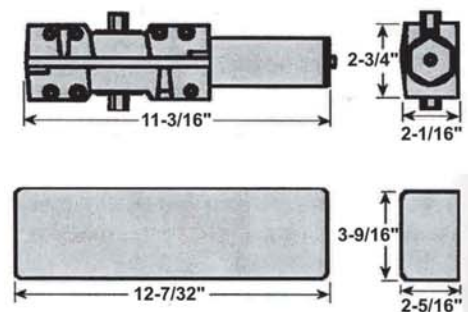
Pull Side Installation



Push Side Installation



Closer Body



Options

- Available arms: Friction Hold-Open, Cush, and Cush and Hold-Open
- Drop Plate: please refer to drop plate section

Arms



- Friction Hold Open Arm
Heavy duty parallel hold-open adjustable arm.
TDC ARM-01-40



- Cush Arm
Heavy duty parallel cush arm.
TDC ARM-02-40



- Hold-Open and Cush Arm
Heavy duty parallel hold-open and cush arm.
TDC ARM-03-40

Drop Plates

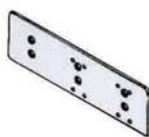
• TPDC-718

Required for hinge side mount where top rail is less than 3 3/4" (95 mm) measured from the top. Plate requires top rail minimum 2" (51 mm) in height.



• TPDC-718TJ

Applicable in places where head frame face is less than 3 1/2" (89mm) in height. Plate requires 1 3/4" (44 mm) minimum head frame.



• TPDC-718G

Applicable in places where top of head frame in flush with ceiling condition. Plate requires 1 3/4" (44 mm) minimum head frame.



• TPDC-718PA

Required for parallel arm mounting where top rail is less than 5 1/2" (140 mm), measured from the top. Plate requires 2" (51 mm) minimum top rail.



Code Compliance

- UL & ULC listed
- Meets Grade 1 requirements of ANSI/BHMA A156.4
- BAA door closer meets guidelines of the Buy American Act
- Adjustable to meets requirements of the Americans with Disabilities Act



Important Notes - Door Closers for Low Opening Force Applications:

Door closers installed in openings required to meet the requirements of The Americans with Disabilities Act of ANSI Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door.

HEAVY DUTY GRADE 1 DOOR CLOSER

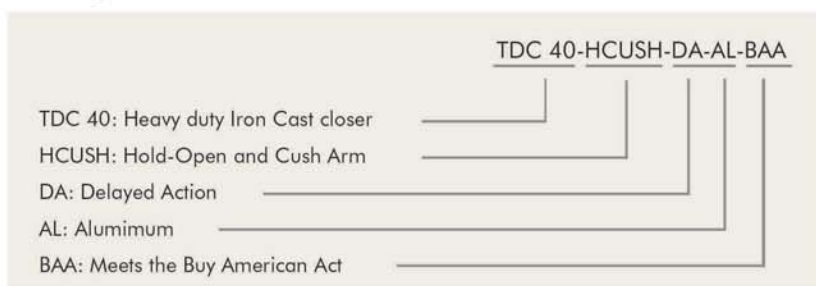
TDC40

HOW TO ORDER

TDC-40 Door Closer

Series	Arm Type	Delayed Action	Finishes	BAA
TDC 40: Heavy duty Closer	Blank: Regular Arm, Standard HOA: Hold Open Arm CUSH: CUSH Arm HCUSH: Hold-Open and Cush Arm	Blank: No Delayed Action DA: Delayed Action	AL: Aluminum DU: Duro	Blank: Non BAA BAA: Meets the Buy American Act

Order Sample



TDC-40 Drop Plate

Series	Finishes	Example:
TPDC 718: for hinge side mount TPDC 718G: for head frame flush with ceiling TPDC 718TJ: Head frame less than 3 1/2" TPDC 718PA: for parallel arm mounting	AL: Aluminum DU: Duro	<u>TPDC 718-AL</u> TPDC 718: for hinge side mount AL: Aluminum

TDC-40 Arm

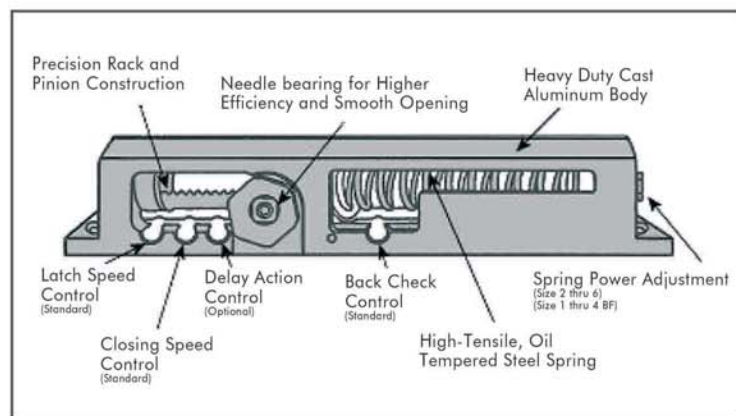
Series	Finishes	Example:
TDC ARM-01-40: Friction Hold-Open Arm TDC ARM-02-40: Cush Arm TDC ARM-03-40: Cush and Hold-Open Arm	AL: Aluminum DU: Duro	<u>TDC ARM-01-40-AL</u> TDC ARM-01-40: Friction Hold-Open Arm AL: Aluminum



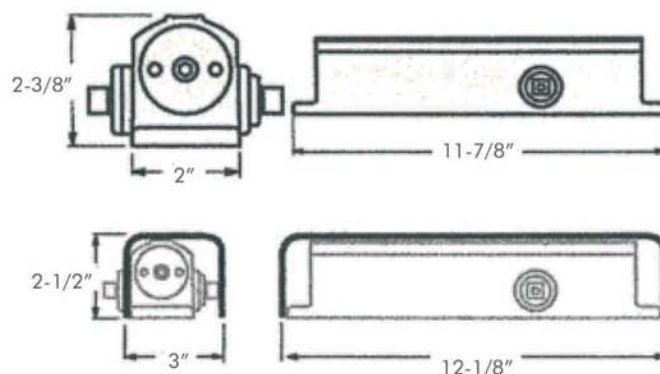
Feature Highlight:

- Designed for high traffic application, exterior or interior
- Heavy duty aluminum body, non-handed
- Precision rack and pinion construction
- Regular arm standard, Friction Hold-Open, Cush, Hold-Open and Cush, and Slide Track arms optional
- Tri-Style installation: includes hardware and brackets to allow for regular, top jam, and parallel arm installation
- Adjustable spring power from size 2 to size 6 (TDC-70), and size 1 to size 4 (TDC-70BF)
- Separate and adjustable Latch, Sweep and Backcheck valves standard
- Delayed Action standard on TDC-70BF
- UL listed molded plastic full cover standard, metal cover optional
- All-weather fluid, allowing door closer to perform in temperatures ranging from -31°F to 140°F
- Needle Bearing application for higher efficiency
- Highly precise closer for high performance
- 1-1/2" (38mm) diameter piston
- 7/16" (11mm) diameter pinion
- 2-1/2" (64mm) projection (standard cover)
- Finish: Aluminum and Duro stock finishes, other finishes upon request

Profile:



Door Closer and Cover



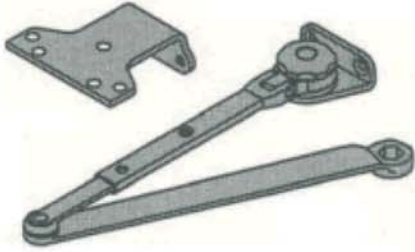
Options

- Available arms: Friction Hold-Open, Cush, Cush and Hold-Open, and Slide Track
- Drop Plate: please refer to drop plate section

Arms

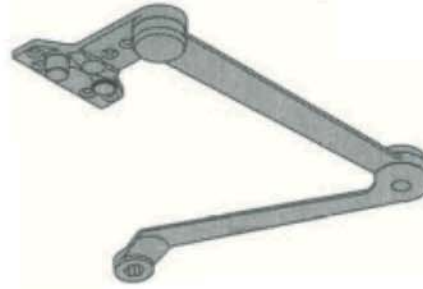
- Friction Hold Open Arm

Heavy duty parallel hold-open adjustable arm.
TDC ARM-01



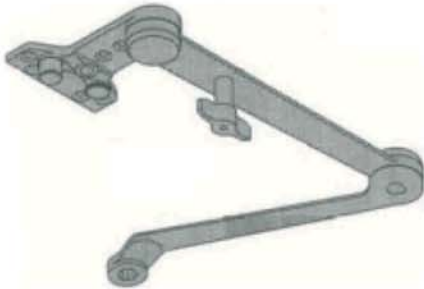
- Cush Arm

Heavy duty parallel cushion arm.
TDC ARM-02



- Hold-Open and Cush Arm

Heavy duty parallel hold-open and cushion arm.
TDC ARM-03



- Slide Track Arm

Heavy duty parallel slide track arm.
TDC ARM-04



Drop Plates

- TDC-70-DPPA

For Push side parallel arm installation when mounting surface height is less than 4-3/4" (121mm)



- TDC-70-DP

For Pull side mounting when mounting surface height is less than 3-1/2" (89mm)



Code Compliance

- ANSI: Comply with ANSI A156.4 Grade 1
- UL: UL and ULC listed
- ADA: TDC-70BF adjustable to conform to requirements of The Americans with Disabilities Act
- BAA: BAA door closers meet guideline of The Buy American Act



Important Notes - Door Closers for Low Opening Force Applications:

Door closers installed in openings required to meet the requirements of The Americans with Disabilities Act of ANSI Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door.

HOW TO ORDER

TDC-70 Door Closer

Series	Arm Type	Delayed Action	Finishes	BAA
TDC 70: Heavy duty Closer	Blank: Regular Arm, Standard HOA: Hold Open Arm CUSH: CUSH Arm HCUSH: Hold-Open and Cush Arm	Blank: No Delayed Action BF: Delayed Action	AL: Aluminum DU: Duro	Blank: Non BAA BAA: Meets the Buy American Act

Order Sample

	<u>TDC 70-HCUSH-BF-AL-BAA</u>
TDC 70: Heavy duty Iron Cast closer	_____
HCUSH: Hold-Open and Cush Arm	_____
BF: Delayed Action	_____
AL: Aluminum	_____
BAA: Meets the Buy American Act	_____

TDC-70 Drop Plate

Series	Finishes	<u>Example:</u>	<u>TDC-70-DPPA-AL</u>
TDC-70-DPPA: for push side parallel TDC-70-DP: for pull side mounting	AL: Aluminum DU: Duro	TDC-70-DPPA: for push side parallel AL: Aluminum	_____

TDC-70 Arm

Series	Finishes	<u>Example:</u>	<u>TDC-70-DPPA-AL</u>
TDC ARM-01: Friction Hold-Open Arm TDC ARM-02: Cush Arm TDC ARM-03: Cush and Hold-Open Arm TDC ARM-04: Slide Track Arm	AL: Aluminum DU: Duro	TDC-70-DPPA: for push side parallel AL: Aluminum	_____

GRADE 1 DOOR CLOSER

TDC85



Feature Highlight:

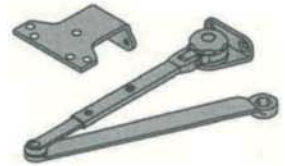
- Designed for high traffic application, exterior or interior
- Heavy duty aluminum cast body, non-handed
- Precision rack and pinion construction
- Regular arm standard, Friction Hold-Open, Cush and Hold-Open and Cush arms optional
- Tri-Style installation: includes hardware and brackets to allow for regular, top jam, and parallel arm installation
- Adjustable spring power from size 1 to size 6, factory preset size 3
- Separate and adjustable Latch, Sweep and Backcheck valves standard
- Delayed Action Optional
- UL listed molded plastic full cover standard, metal cover optional
- All-weather fluid, allowing door closer to perform in temperatures ranging from -31°F to 140°F
- Needle Bearing application for higher efficiency
- Highly precise closer for high performance
- 1-17/64" (32mm) diameter piston
- 29/64" (11.5mm) diameter pinion
- 2-1/2" (64mm) projection (standard cover)
- Finish: Aluminum and Duro stock finishes, other finishes upon request

Options

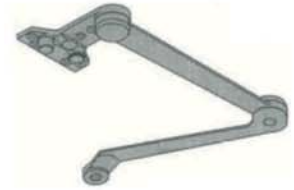
- Available arms: Friction Hold-Open, Cush, Cush and Hold-Open, and Slide Track
- Drop Plate: please refer to drop plate section

Arms

- **Friction Hold Open Arm**
Heavy duty parallel hold-open adjustable arm.
TDC ARM-01-85



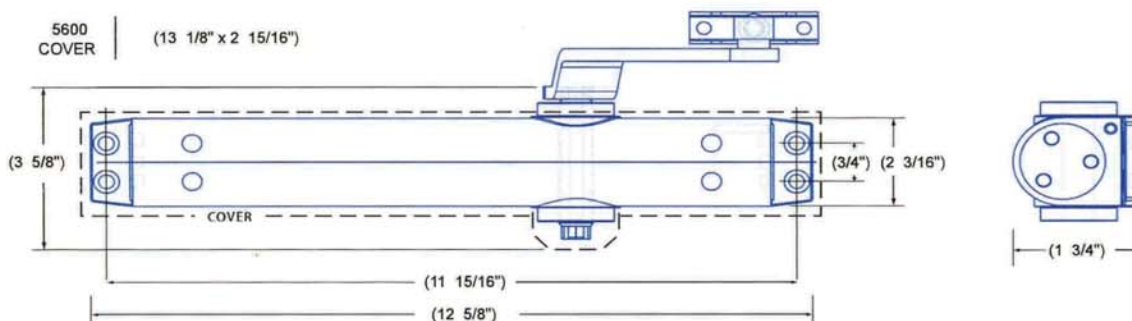
- **Cush Arm**
Heavy duty parallel cush arm.
TDC ARM-02-85



- **Hold-Open and Cush Arm**
Heavy duty parallel hold-open and cush arm.
TDC ARM-03-85



Profile:



Drop Plates

- TDC-85-DPPA

For Push side parallel arm installation where a narrow top rail prevents direct mounting



- TDC-85-DP

Provides a solid mounting surface when clearance or mounting surface dimensions are limited



Code Compliance

- ANSI: Comply with ANSI A156.4 Grade 1
- UL: UL and ULC listed
- ADA: Adjustable to conform to requirements of the Americans with Disabilities Act
- BAA: BAA door closers meet guideline of the Buy American Act



Important Notes - Door Closers for Low Opening Force Applications:

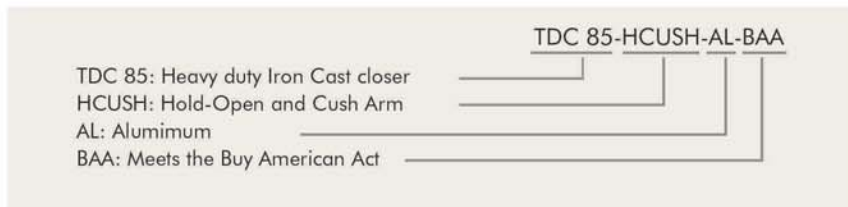
Door closers installed in openings required to meet the requirements of The Americans with Disabilities Act of ANSI Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door.

HOW TO ORDER

Door Closer

Series	Arm Type	Delayed Action	Finishes	BAA
TDC 85: Heavy duty Closer	Blank: Regular Arm, Standard HOA: Hold Open Arm CUSH: CUSH Arm HCUSH: Hold-Open and Cush Arm	Blank: No Delayed Action DA: Delayed Action	AL: Aluminum DU: Duro	Blank: Non BAA BAA: Meets the Buy American Act

Order Sample



TDC-85 Drop Plate

Series	Finishes
TDC-85-DPPA	AL: Aluminum
TDC-85-DP	DU: Duro
Example: TDC-85-DPPA-AL	
TDC-85-DPPA	AL: Aluminum

TDC-85 Arm

Series	Finishes
TDC ARM-01: Friction Hold-Open Arm	AL: Aluminum
TDC ARM-02: Cush Arm	DU: Duro
TDC ARM-03: Cush and Hold-Open Arm	
Example: TDC ARM-01-AL	
TDC ARM-01: Friction Hold-Open Arm	AL: Aluminum

MEDIUM DUTY GRADE 2 DOOR CLOSER

TDC90



Feature Highlight:

- Designed for medium traffic application, exterior or interior
- Aluminum cast body, non-handed
- Precision rack and pinion construction
- Tri-Style installation: includes hardware and brackets to allow for regular, top jam, and parallel arm installation
- Adjustable spring power from size 2 to size 5 (TDC-90), and size 1 to size 4 (TDC-90BF)
- Separate and adjustable Latch, Sweep and Backcheck valves standard
- Delayed Action standard on TDC-90BF
- UL listed molded plastic full cover standard, metal cover optional
- All-weather fluid, allowing door closer to perform in temperatures ranging from -31°F to 140°F
- Needle Bearing application for higher efficiency
- 1-13/32" (35.8mm) diameter piston
- 7/16" (11.2mm) diameter pinion
- 3" (76mm) projection (standard cover)
- Finish: Aluminum and Duro stock finishes, other finishes upon request
- 25-year limited warranty

Profile:

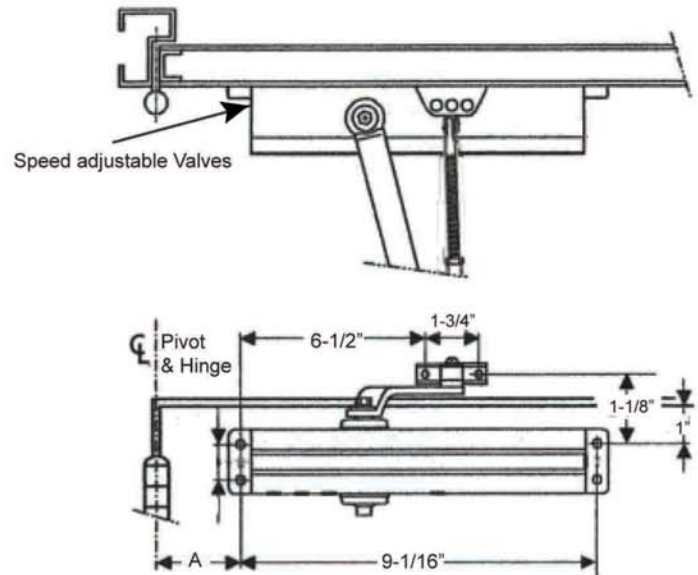
• Closer Body



• PDC-SLM-SLIM Closer Cover

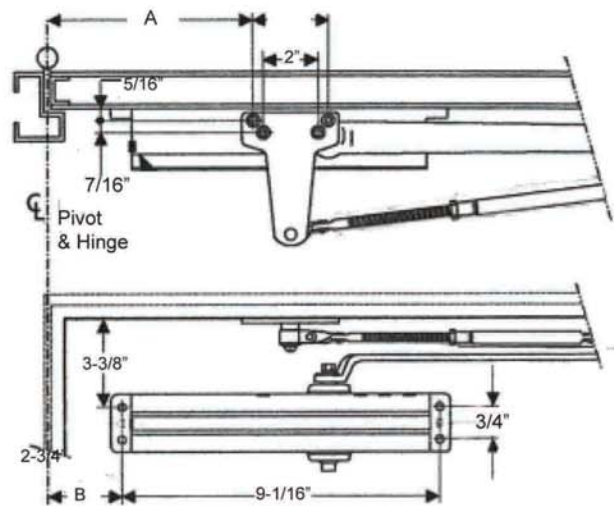


• Pull Side Installation



OPENING	DIM A
120 °	6-1/2"
120° — 180°	4"

• Push Side Installation



OPENING	DIM A	DIM B
120 °	10-3/4"	6-15/16"
120° — 180°	8-3/4"	4-3/4"



TDC90

MEDIUM DUTY GRADE 2 DOOR CLOSER

Code Compliance

- ANSI: Comply with ANSI A156.4 Grade 2
- UL: UL and ULC listed
- ADA: TDC-90BF conforms to requirements of the Americans with Disabilities Act



Important Notes - Door Closers for Low Opening Force Applications:

Door closers installed in openings required to meet the requirements of The Americans with Disabilities Act of ANSI Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door.

HOW TO ORDER

TDC-90 Door Closer

Series	Arm Type	Finishes
TDC 90: Heavy Duty Grade 2 Closer	Blank: No Delayed Action DA: Delayed Action	AL: Aluminum DU: Duro

Order Sample



GRADE 3 DOOR CLOSERS

TDC53/54

Feature Highlight:

- Designed for low traffic application, interior interior or exterior
- Aluminum cast body, non-handed
- Precision rack and pinion construction
- Spring power size 3 (TDC-53), and size 4 (TDC-54)
- UL listed molded plastic full cover standard
- All-weather fluid, allowing door closer to perform in temperatures ranging from -31°F to 140°F
- Needle Bearing application for higher efficiency
- 1-13/32" (35.8mm) diameter piston
- 7/16" (11.2mm) diameter pinion
- 3" (76mm) projection (standard cover)
- Finish: Aluminum and Duro stock finishes

Profile:

- Closer Body



- PDC-SLM-SLIM Line Cover



- TDC 53



- TDC 54



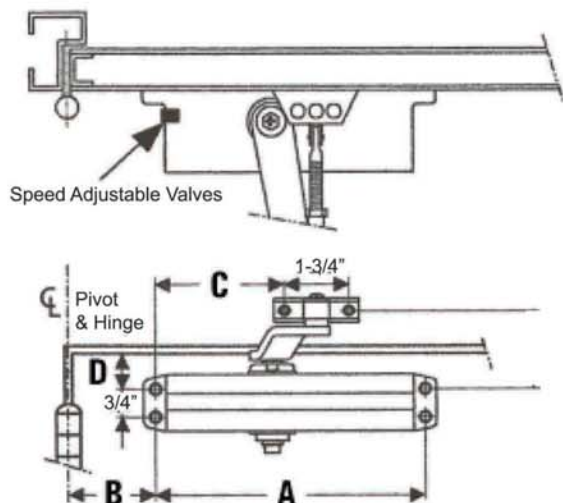


TDC53/54

GRADE 3 DOOR CLOSERS

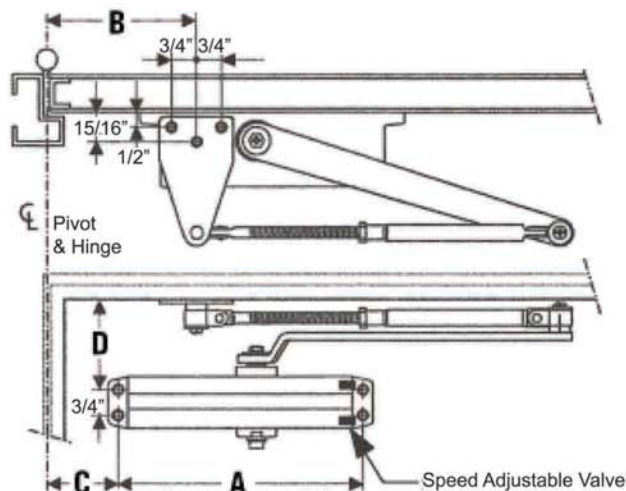
• Pull Side Installation

Model	A	B	C	D
TDC53	8-3/16"	4"	6-1/2"	1-1/8"
TDC54	9-1/16"	4"	6-1/2"	1-1/8"



• Push Side Installation

Model	A	B	C	D
TDC53	8-3/16"	8-3/4"	5-5/8"	3-3/8"
TDC54	9-1/16"	8-3/4"	4-3/4"	3-3/8"



Code Compliance

- ANSI: Comply with ANSI A156.4 Grade 3
- UL: UL and ULC listed



HOW TO ORDER

TDC-53/54 Door Closer

Series	Finishes
TDC 53: Size 3 door closer TDC 54: Size 4 door closer	AL: Aluminum DU: Duro

Order Sample

TDC 53: Size 3 door closer _____ TDC 53-AL
AL: Aluminum _____

ABOUT DOOR CLOSER

•Door Operation Frequency

	Application	Daily	Yearly
HIGH	Large Department Store Entrance	5,000	1,500,000
	Large Office Building Entrance	4,000	1,200,000
	Theater Entrance	1,000	450,000
	School Entrance	1,250	225,000
	School Restroom Door	1,250	225,000
	Store or Bank Entrance	500	150,000
	Office Building Restroom Door	400	118,000
AVERAGE	School Corridor Door	80	15,000
	Office Building Corridor Door	75	22,000
	Store Restroom Door	60	18,000
	Residential Entrance Door	40	15,000

•ANSI/BHMA A156.4 requirements on cycle test

- ANSI Grade 1 Door Closer: 2 million w/o BC, 1.5 million w/BC, Medium to High Traffic
- ANSI Grade 2 Door Closer: 1 million w/o BC, 750,000 w/BC, Low to Medium Traffic
- ANSI Grade 3 Door Closer: 500,000 w/ or w/o BC, Low Traffic

•Requirement of The Americans with Disabilities Act

Five pounds of opening force for interior doors. Labeled openings are exempt. Door closers installed in openings required to meet the requirements of The Americans with Disabilities Act of ANSI Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door.

•Closing (Sweep) Valves

Controls the sweep speed of the door from full open to approximately 10° open
TDC-40/70/85/90 offers adjustable closing speed. TDC-53/54 offers size 3 or size 4 spring power.

•Latch Valves

Controls speed of closing or latching of the door in the last 10° before the door hits the latch point.

•Backcheck Valves

Operates when the door is approximately 70° open, slows the momentum of the door when it has been pushed or pulled open. Crucial in areas with strong winds or on closers without deadstops. This function is not to be used as a door stop.

•Optional Delayed Action Valves

operates when the door is approximately 70° open and holds the door in that position for a preset time.

•Efficiency

Ten pounds of opening force will yield about six pounds of closing force. With ADA, five pounds of opening force yields approximately three pounds of closing force.



TownSteel

Townsteel Inc.

17901 Railroad Street | City of Industry, CA 91748
Toll Free: 877-858-0888 | Tel: 626-965-8917 | Fax: 626-965-8919
www.townsteel.com