



ACCURATE
LOCK & HARDWARE
AMERICAN CRAFTED SINCE 1972

LIGATURE RESISTANT BEVELED SAFETY LATCH

THE GOLD STANDARD FOR LIGATURE RESISTANCE + ADA COMPLIANCE



ACCURATE
STAMPING
CORP.

BEVELED SAFETY LATCH

9100BL

Beveled Safety Latches were developed to further diminish ligature risks in behavioral healthcare settings. In some cases, the latch bolt itself has been used to anchor bed sheets (or similar) between the door and frame while the door is closed. An upward, downward, or horizontal force from inside the room will cause the latch to retract and release a ligature attempt making it a safe option for high-risk areas.

CH 9144BL

Compatible with Grade 1 locksets only



CRESCENT MORTISE BEVELED SAFETY LATCH

THE **GOLD STANDARD** FOR HIGH RISK ENVIRONMENTS

The optional Beveled Safety Latch (BL) can be specified with Accurate's 9100 mortise locks for enhanced ligature resistant capabilities in institutional applications, providing the safest lockset for patients by preventing the use of the latch bolt as an anchor point. Ideal for applications where safety prevails over security.*

PAPERCLIP PROTECTION Meets the Highest Safety Ratings

The Crescent Handle Beveled Safety Latch has been recognized as Gold Standard hardware for behavioral healthcare facilities by [NYS-OMH](#)*. This superior hardware solutions meets the industry's highest safety ratings including withstanding paperclip testing.

SILENT SilentPac™ Solutions

Available for use with the SilentPac™ Lever Dampening Disc to help eliminate disturbance from door noise and improve the overall patient experience.

*Reference page 39 in NYS-OMH Guide



BEVELED SAFETY LATCH CONSIDERATIONS

Beveled latch bolt not recommended for applications where security is a concern (storage rooms, electric closets, asylum rooms) or where doors swing out.



SUPERIOR SAFETY RATINGS

ACCEPTED BY NEW YORK STATE OFFICE OF MENTAL HEALTH PATIENT SAFETY STANDARD



Lever style trim is not appropriate for high risk areas. It is nearly impossible to completely avoid ligature opportunities with lever style door trim, even if designed to be ligature resistant. At best, lever style door trim is only appropriate for medium and low risk areas.*



As explained by the [NYS-OMH](#)*

SILENT

COMPATIBLE WITH SILENTPAC™ LEVER DAMPENING DISC

- Acoustically engineered to reduce decibel levels, allowing healthcare environments to improve overall patient experience
- Simple retrofit of existing door hardware
- Silent lever return dampening diminishes noise while opening and closing doors
- Recipient of the *Healthcare Design Gold Award* and *Nightingale Innovation Award for Architectural Products* which recognizes contribution to the healthcare built environment through product design and innovation that contributes to healing.



Crescent Mortise Set with SilentPac™ Lever Dampening Disc



EQUAL TO AMBIENT NOISE

Handle operation adds zero decibels.



SIMPLE INSTALLATION

Ideal for both new doors and retrofit applications.



MAINTAIN AESTHETICS

Designed to be customizable based on your facilities' needs.



Note: SilentPac™ Quiet Lock 9100Q Grade 1 Mortise Lock available for Complete Quiet Package (not compatible with High Security Mortise Lock).

CUSTOM ETCHING

PERSONALIZED DETAILS

Most trim options can be designed to match any room aesthetic or theme in an effort to create a more inviting, soothing and personalized healing environment. From original artwork, to favorite characters, or corporate logos – possibilities are endless.



Examples of Custom Etched Crescent Trim

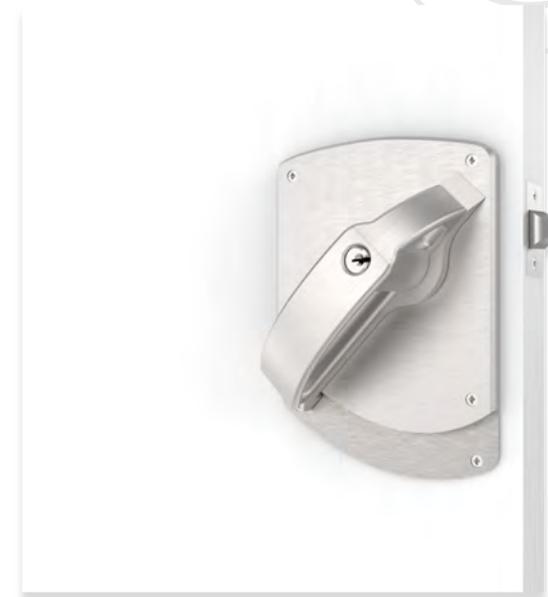
SAFE

ADDITIONAL LIGATURE PROTECTION

- Can be specified with all Accurate 9100 Grade 1 Mortise Locks with any trim, or Crescent Cylindrical Locksets.
- Meets BHMA 156.34 Ligature Resistant Trim Standard
- Latch bevel on top and bottom diminishes ligature points.
- Whenever the Beveled Safety Latch is specified, locks are modified not to have an anti-pick bolt. Please specify with caution, evaluating every opening for what is most important: safety or security.
- Not recommended for applications where security is a concern like storage rooms, electric closes, asylum rooms or wherever doors swing out.
- Watch a [video demonstration](#)
- Pair with [Ligature Resistant Strike \(LR-STK\)](#) for additional safety.



**CH HANDLE MORTISE
BEVELED SAFETY LATCH**

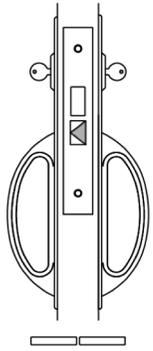


**CH CYLINDRICAL
BEVELED SAFETY LATCH**



**PUSH PULL MORTISE SET
BEVELED SAFETY LATCH**

BEVELED SAFETY LATCH FUNCTIONS



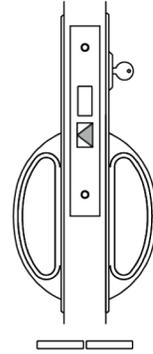
CH 9122BL STORE DOOR

Latch bolt by handle either side unless deadbolt is thrown.

Inside handle won't retract deadbolt when projected.*

Deadbolt by key either side.

**Verify code compliance before specifying this function.*

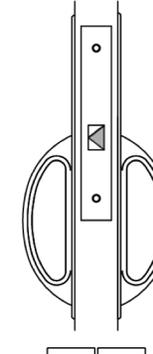


CH 9124BL DORMITORY

Latch bolt by handle either side unless deadbolt is thrown, in which case outside handle becomes rigid.

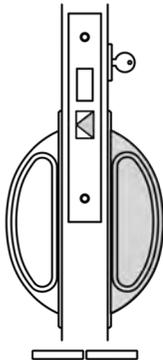
A turn of inside handle retracts latch and deadbolt simultaneously, automatically unlocking outside handle.

Deadbolt by key outside.



CH9125BL PASSAGE

Latch bolt by handle either side.



CH 9134BL HOTEL OR MOTEL LOCK

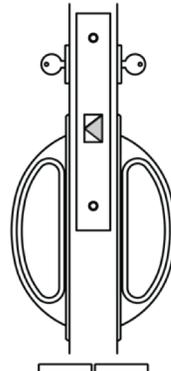
Latch bolt by handle inside and Guest or Master Key outside.

Outside handle always rigid.

Deadbolt by key outside.

Turn of inside handle retracts latch and deadbolt simultaneously.

Auxiliary latch removed in favor of Beveled Latch (if auxiliary latch is required to deadlock the latch bolt, please specify CH 9134BLD).

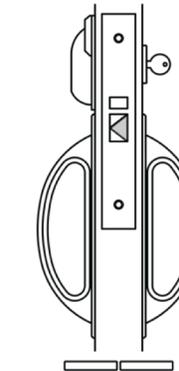


CH 9142BL ENTRANCE OR PUBLIC RESTROOM

Latch bolt by handle either side unless outside handle is locked by Master Key from inside.

When outside handle is locked, latch bolt by key outside and handle inside.

Auxiliary latch removed in favor of Beveled Latch (if auxiliary latch is required to deadlock the latch bolt, please specify CH 9142BLD).



CH 9143BL INSTITUTIONAL PRIVACY

Latch bolt by handle either side unless outside handle is locked by thumb turn. Thumb turn locks or unlocks outside handle.

Key locks or unlocks outside handle.

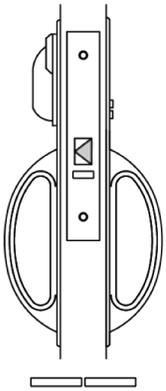
Key retracts latch as an independent function of thumb turn to allow retraction if thumb turn is forcibly held in locked position.

Outside handle unlocks when inside handle is turned or door closes.

Auxiliary latch removed in favor of Beveled Latch (if auxiliary latch is required to deadlock the latch bolt, please specify CH 9143BLD).

BL LOCKS NOT FOR USE ON FIRE RATED DOORS

BEVELED SAFETY LATCH FUNCTIONS



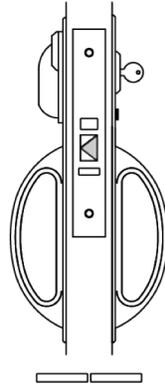
CH 9143E-BL INSTITUTIONAL PRIVACY EMERGENCY RELEASE

Latch bolt by handle either side unless outside handle is locked by thumb turn.

Thumb turn locks or unlocks outside handle. Emergency release locks or unlocks outside handle.

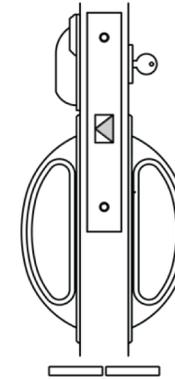
Auxiliary latch deadlocks latch bolt.

Outside handle unlocks when inside handle is turned **or** door closes.



CH 9143i-BL INSTITUTIONAL PRIVACY WITH OCCUPANCY INDICATOR

Same operation as 9143 Institutional Privacy except outside plate has an occupancy indicator.



CH 9144BL INSTITUTIONAL PRIVACY

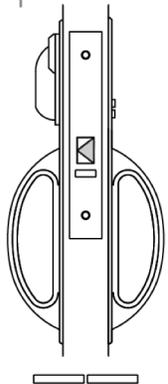
Latch bolt by handle either side unless outside handle is locked by thumb turn.

Thumb turn locks or unlocks outside handle. Key locks or unlocks outside handle.

Key retracts latch as an independent function of the thumb turn to allow retraction if thumb turn is forcibly held in locked position.

Outside handle unlocks when inside handle is turned (closing door will not unlock outside handle).

Auxiliary latch removed in favor of Beveled Latch (if auxiliary latch is required to deadlock the latch bolt, please specify CH 9144BLD).



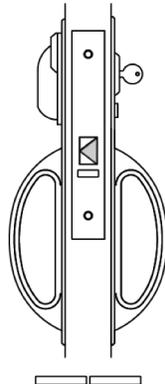
CH 9144E-SEC INSTITUTIONAL PRIVACY

Latch bolt by handle either side unless outside handle is locked by thumb turn.

Thumb turn locks or unlocks outside handle. Emergency release locks or unlocks outside handle.

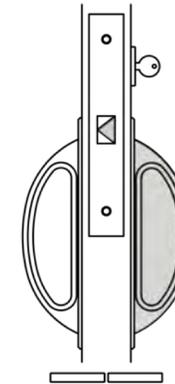
Auxiliary latch deadlocks latch bolt.

Outside handle unlocks when inside handle is turned (closing door will not unlock outside handle).



CH 9144i-BL INSTITUTIONAL PRIVACY WITH OCCUPANCY INDICATOR

Same operation as 9144 Institutional Privacy except outside plate has an occupancy indicator.

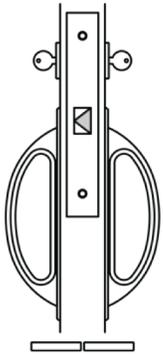


CH 9145BL CLASSROOM

Latch bolt by key outside and handle either side unless outside handle is locked by key.

Auxiliary latch removed in favor of Beveled Latch (if auxiliary latch is required to deadlock the latch bolt, please specify CH 9145D-BL).

BEVELED SAFETY LATCH FUNCTIONS



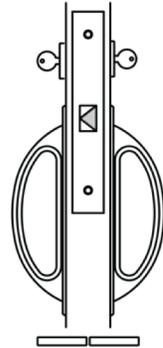
CH9145S-BL CLASSROOM SECURITY

Latch bolt by handle either side unless outside handle is locked by key outside or inside.

When locked, latch bolt retracted by key inside or outside or handle inside.

Inside handle is always free.

Auxiliary latch removed in favor of Beveled Latch (if auxiliary latch is required to deadlock the latch bolt, please specify CH 9145S-BLD).

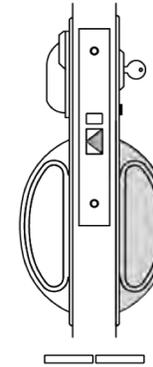


CH 9146BL CLASSROOM DOUBLE LOCKING

Latch bolt by key from either side.

Key from either side locks and unlocks outside and inside handles.*

Auxiliary latch removed in favor of Beveled Latch (if auxiliary latch is required to deadlock the latch bolt, please specify CH 9146BLD, recommended if door swings out).
**Verify code compliance before specifying this function.*



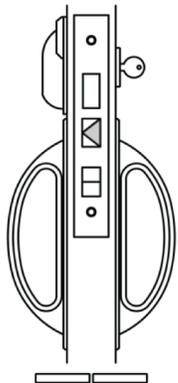
CH 9147i-BL STAFF BATHROOM

Inside handle always free, outside handle always rigid, entry by key only.

Indicator automatically reverts to green (unoccupied) when door is closed.

When thumb turn is thrown to indicate occupancy, key will override to retract latch.

Auxiliary latch removed in favor of Beveled Latch (if auxiliary latch is required to deadlock the latch bolt, please specify CH 9147i-BLD, recommended if door swings out).



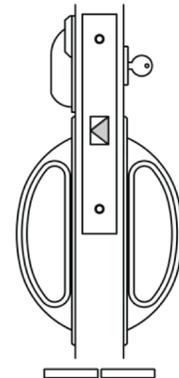
CH 9148BL ENTRANCE

Latch bolt by key outside and handle either side unless outside handle is locked by toggle action stop.

Deadbolt by key outside.

Turning inside handle retracts latch and deadbolt simultaneously.

Outside handle remains locked until manually unlocked by toggle.



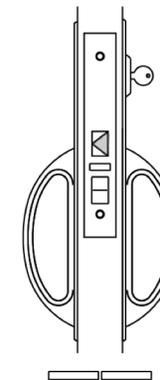
CH 9153BL INSTITUTIONAL PRIVACY

Latch bolt by key outside and handle either side unless outside handle is locked by thumb turn or key.

Key or thumb turn locks or unlocks outside handle.

Operating inside handle will not unlock outside handle if locked

Auxiliary latch deadlocks latch bolt.

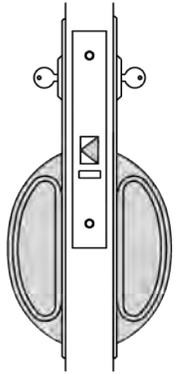


CH 9156BL ENTRANCE

Latch bolt by key outside and handle either side unless outside handle is locked by toggle-action stop.

Auxiliary latch deadlocks latch bolt.

BEVELED SAFETY LATCH FUNCTIONS



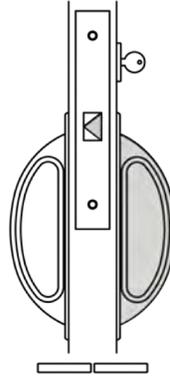
CH 9158BL INSTITUTIONAL OR ASYLUM

Latch by key either side.

Inside and outside handle always **rigid**.*

Auxiliary latch deadlocks latch bolt.

**Verify code compliance before using this function.*

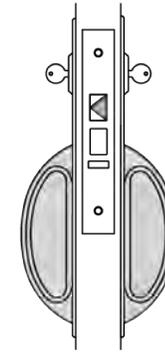


CH 9159BL STOREROOM

Latch by handle inside and key outside.

Outside handle always rigid.

Auxiliary latch removed in favor of Beveled Latch (if auxiliary latch is required to deadlock the latch bolt, please specify CH 9159BLD, recommended if door swings out).



CH 9160BL ASYLUM WITH DEADBOLT

Latch by key either side.

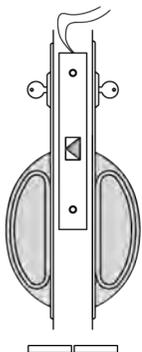
Deadbolt by key either side (key projects deadbolt and retracts latch bolt and deadbolt).

Inside and outside handle always rigid.*

Auxiliary latch removed in favor of Beveled Latch (if auxiliary latch is required to deadlock the latch bolt, please specify CH 9160BLD, recommended if door swings out).

**Verify code compliance before using this function.*

BEVELED SAFETY LATCH ELECTRIFIED FUNCTIONS



CH M9158E-BL MOTOR DRIVE ELECTRIFIED MORTISE SET

UL Listed 3 Hour (Mechanics R13846/R27504 and Electronics R10121)

Latch bolt by key either side.

FAIL SECURE OPERATION*:

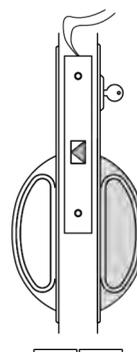
Inside and outside trim unlocked when power is applied, and locked when power is removed.

FAIL SAFE OPERATION:

Inside and outside trim locked when power is applied, and unlocked when power is removed.

Lockset will unlock in the event of power failure.

**Lock is furnished as FAIL SECURE and can easily be changed to FAIL SAFE via the switch on the front.*



CH M9159E-BL MOTOR DRIVE ELECTRIFIED MORTISE SET

UL Listed 3 Hour (Mechanics R13846/R27504 and Electronics R10121)

Inside trim always free.

Latch bolt by key outside.

FAIL SECURE OPERATION*:

Outside trim is unlocked when power is applied, and locked when power is removed.

FAIL SAFE OPERATION:

Inside and outside trim locked when power is applied, and unlocked when power is removed.

Lockset will unlock in the event of power failure.

AE – AUTHORIZED EGRESS

Also referred to as REQUEST TO EXIT (or RX switch), monitors the use of the INSIDE trim when the OUTSIDE trim is locked.

LB - LOCKING BAR MONITORING

Monitors the position of the locking bar.

LM – LATCH BOLT MONITORING

Monitors the full extension of the main latch.

DPS – DOOR POSITION MONITORING

Monitors the door position. A magnetic sensor mounted in the mortise lock reacts to the proximity of a magnet mounted behind the ASA strike.

ALL FUNCTIONS ALSO AVAILABLE WITH HIGH SECURITY (CH M9159E-SEC) OR GRADE 1 MORTISE LOCKS (CH M9159E). SEE [HERE](#) FOR MORE INFO ON ELECTRIFIED FUNCTIONS.

CRESCENT TRIM: SMALL PLATE (S.PC)

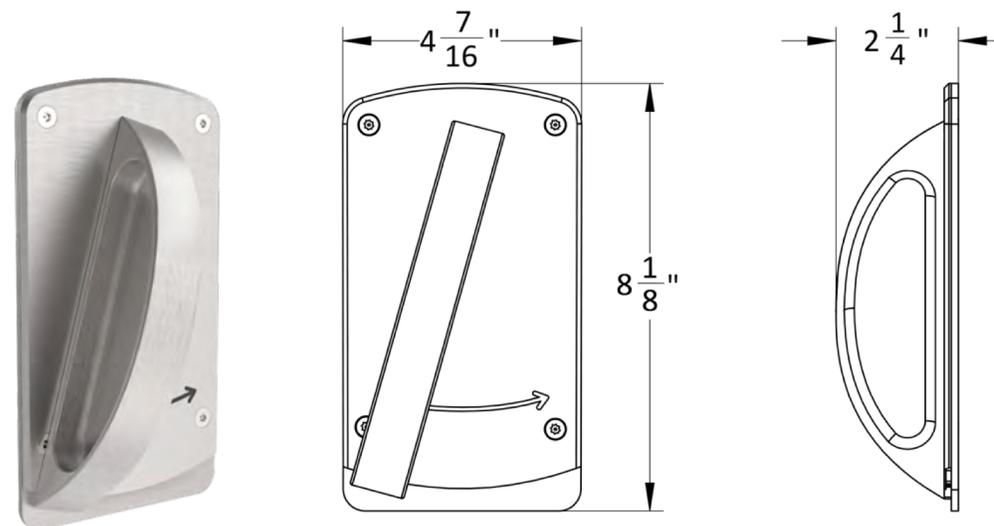
**CP-S
SMALL PLATE
(Rigid)**



FURNISHED WITH LOCK FUNCTIONS:

CH 9134BL, CH 9158BL,
CH 9159BL, CH 9160BL

**CH-S
SMALL PLATE
(Active)**

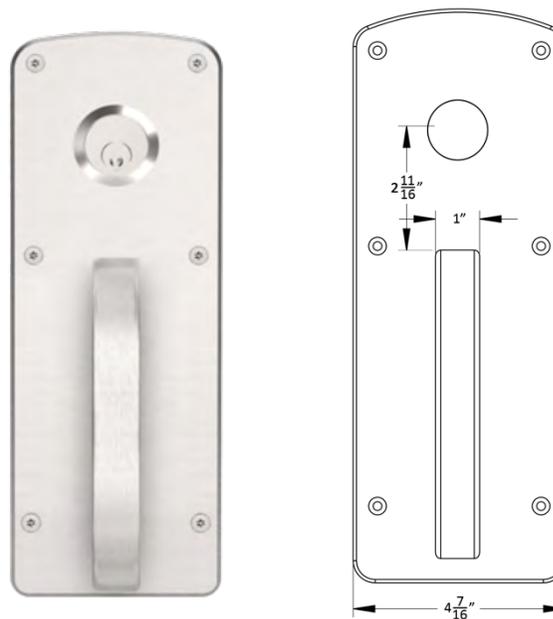


**CAN BE FURNISHED WITH ALL LOCK FUNCTIONS
THAT REQUIRE AN ACTIVE HANDLE**

CH TRIM FURNISHED BASED ON LOCK FUNCTION WHEN
INDICATING S.PC (SEE HOW TO SPECIFY).
RETROFIT PLATE OPTIONS AVAILABLE UPON REQUEST.

CRESCENT TRIM: LARGE PLATE (L.PC)

CP-C CYLINDER CUTOUT (Rigid)



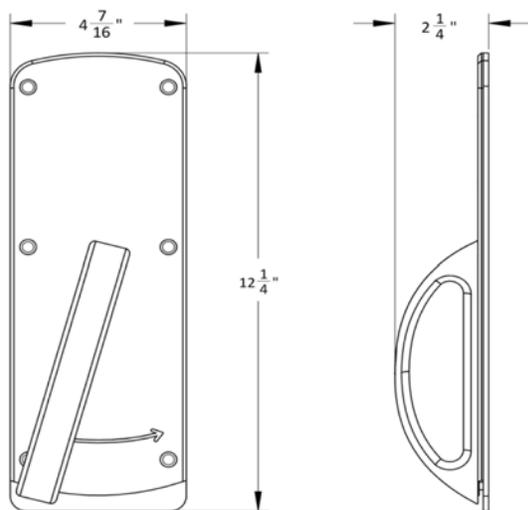
FURNISHED WITH LOCK FUNCTIONS:

CH 9134BL, CH 9158BL, CH 9159BL, CH 9160BL

CH TRIM FURNISHED BASED ON LOCK FUNCTION WHEN INDICATING L.PC (SEE HOW TO SPECIFY).
RETROFIT PLATE OPTIONS AVAILABLE UPON REQUEST.

CRESCENT TRIM: LARGE PLATE (L.PC)

CH HANDLE DIMENSIONS



**APPLIES TO ALL ACTIVE
CRESCENT HANDLES**

CH-B BLANK



FURNISHED WITH LOCK FUNCTIONS:

CH 9125BL, CH 9145BL,
CH 9148BL, CH 9156BL, CH 9159BL

CH-C CYLINDER CUTOUT



FURNISHED WITH LOCK FUNCTIONS:

CH 9122BL, CH 9124BL, CH 9142BL,
CH 9143BL, CH 9144BL, CH 9145BL,
CH 9145S-BL, CH 9146BL, CH 9148BL,
CH 9153BL, CH 9156BL, CH 9158BL,
CH 9159BL, CH 9160BL

CH-Ci CYLINDER CUTOUT WITH INDICATOR



FURNISHED WITH LOCK FUNCTIONS:

CH 9143i-BL, CH 9144i-BL

**CH TRIM FURNISHED BASED ON LOCK FUNCTION
WHEN INDICATING L.PC (SEE HOW TO SPECIFY).
RETROFIT PLATE OPTIONS AVAILABLE UPON REQUEST.**

CRESCENT TRIM: LARGE PLATE (L.PC)

CH-E
FLUSH EMERGENCY
RELEASE



FURNISHED WITH LOCK FUNCTIONS:

CH 9143E-BL, CH 9144E-BL

CH-T
INTEGRATED THUMB TURN



FURNISHED WITH LOCK FUNCTIONS:

CH 9143BL, CH 9143E-BL,
 CH 9144BL, CH 9144E-BL, CH 9153BL

CH-Ti
INTEGRATED THUMB TURN
WITH INDICATOR



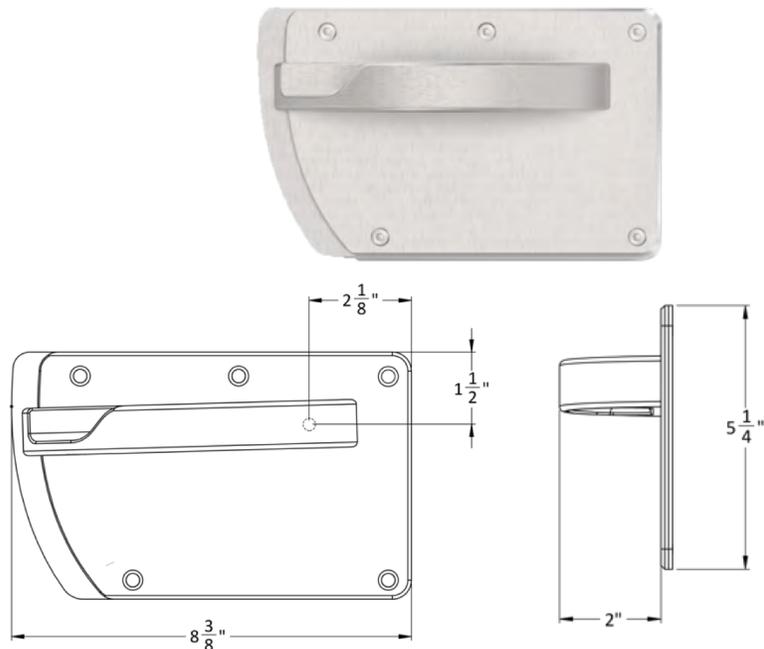
FURNISHED WITH LOCK FUNCTIONS:

CH 9143i-BL, CH 9144i-BL

CH TRIM FURNISHED BASED ON LOCK FUNCTION
 WHEN INDICATING L.PC (SEE HOW TO SPECIFY).
 RETROFIT PLATE OPTIONS AVAILABLE UPON REQUEST.

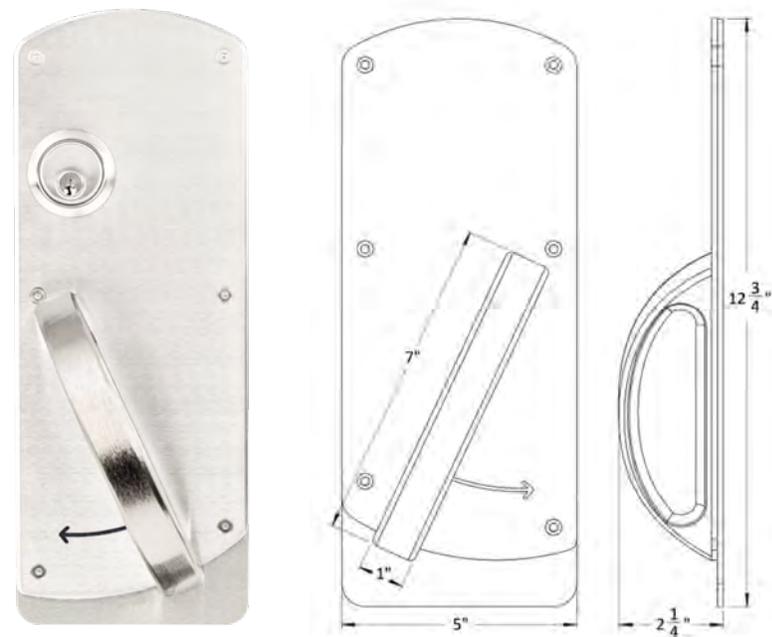
OTHER CRESCENT TRIM

HCH HORIZONTAL CRESCENT HANDLE



Operation and appearance of horizontal lever with a crescent shape for ligature resistance. Specify as HCH.

BA BREAKAWAY TRIM



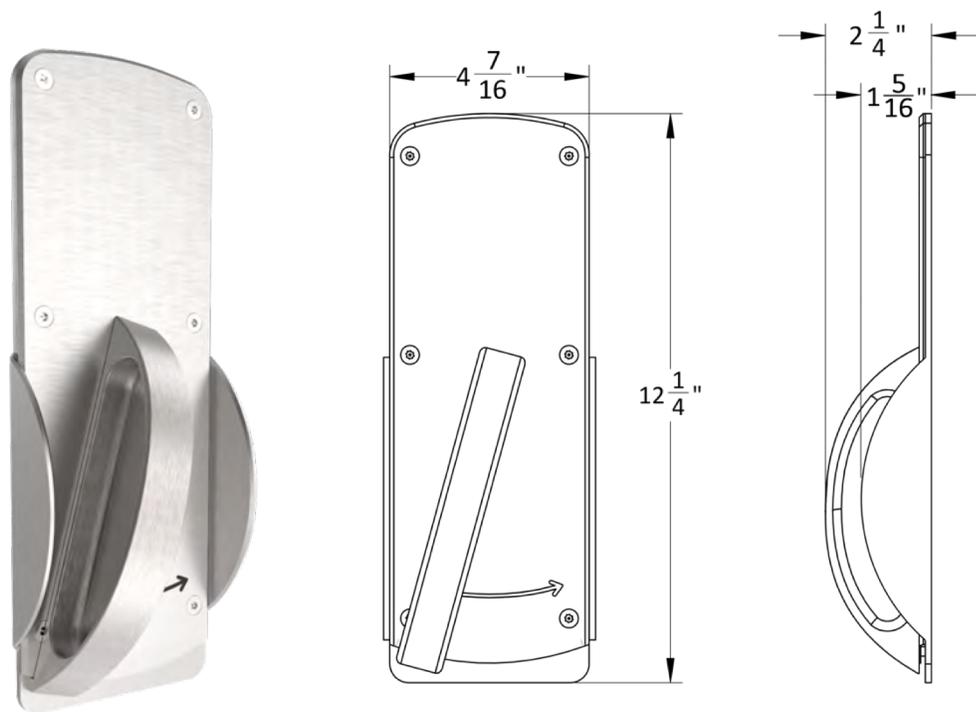
Safety trim designed to work with anti-barricade strategies including specialty stops (e.g. Kingsway, Pemko, etc). Specify as BA.

CH TRIM FURNISHED BASED ON LOCK FUNCTION
(SEE HOW TO SPECIFY).
RETROFIT PLATE OPTIONS AVAILABLE UPON REQUEST.

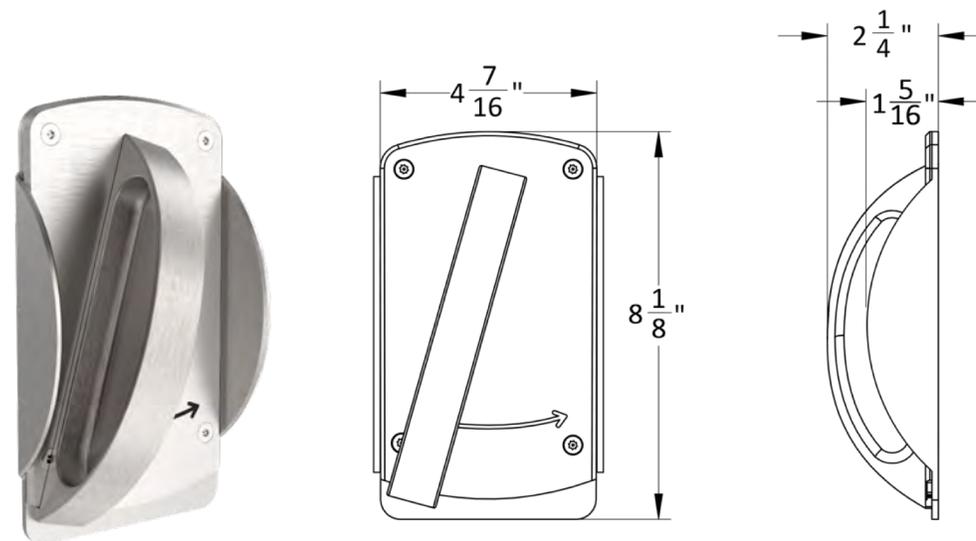
OTHER CRESCENT TRIM

Anti-vandal crescent trim provides additional protection with its 'winged' design, preventing damage caused by carts or other heavy items hitting the doors.

ANTI-VANDAL TRIM (L.PC)



ANTI-VANDAL TRIM (S.PC)

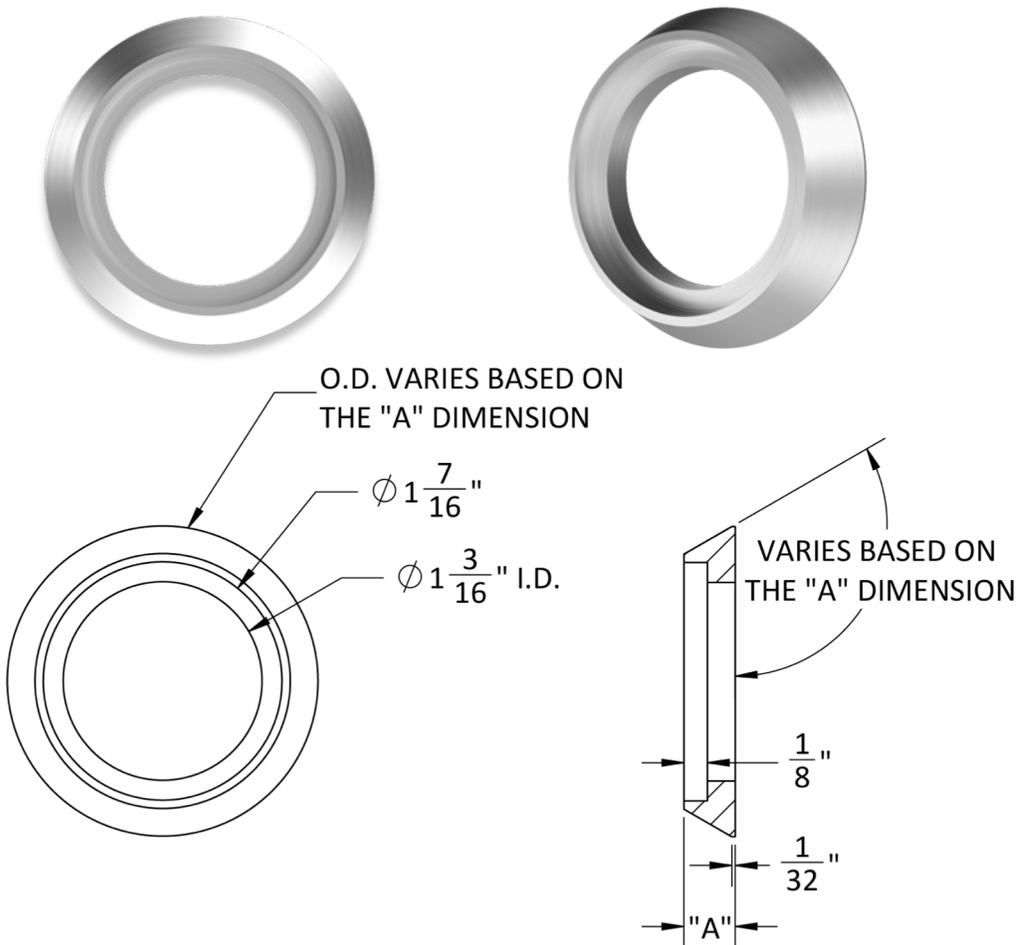


CH TRIM FURNISHED BASED ON LOCK FUNCTION.
SPECIFY AV AS SPECIAL OPTION (SEE HOW TO SPECIFY).
RETROFIT PLATE OPTIONS AVAILABLE UPON REQUEST.

LIGATURE RESISTANT CYLINDER COLLARS

For Mortise type cylinders

LRCC



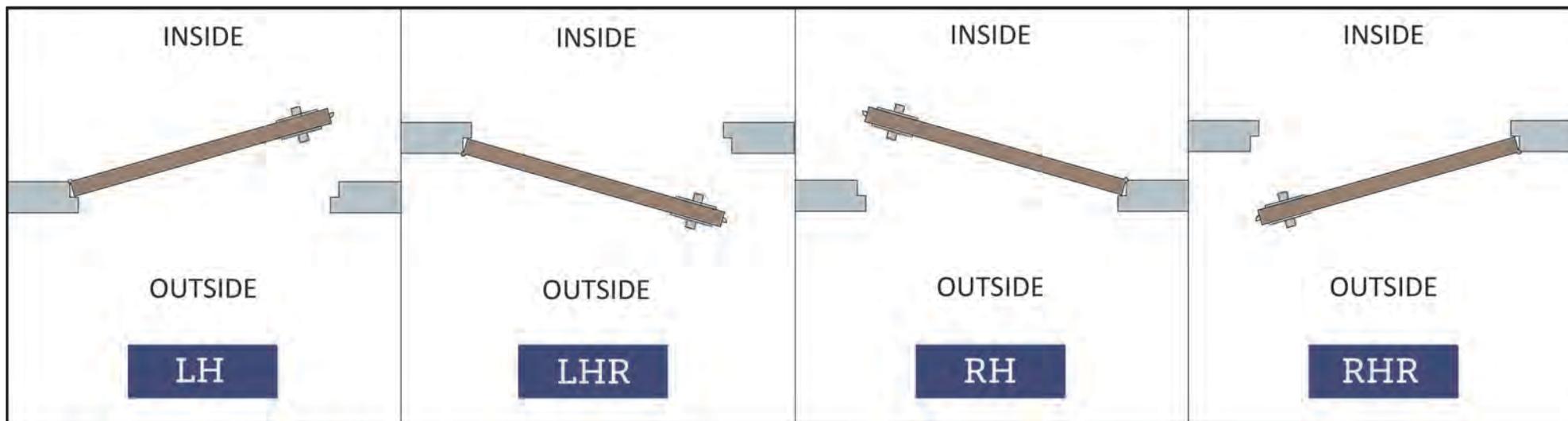
Cylinder Length	P/N (for CH Mortise Sets with Active Crescent Plates)*	P/N (for CH Mortise Sets with Dummy Crescent Plates)*
1 1/8"	LRCC.187	LRCC.312
1 1/4"	LRCC.312	LRCC.437
1 3/8"	LRCC.437	LRCC.562
1 1/2"	LRCC.562	LRCC.687
OTHER	LRCC.A Indicate required thickness OR specify cylinder length and lockset from list below	LRCC.A Indicate required thickness OR specify cylinder length and lockset from list below
	For CH9122, CH9124, CH9142, CH9143, CH9143i, CH9144, CH9144i, CH9145, CH9145S, CH9146, CH9148, CH9153, CH9156, CHM9158E, CHM9159E sets	For CH9158, CH9159, CH9147i, CH9160 sets

*Part numbers/sizes are based on sets for 1 3/4" thick doors, using L-PC style Crescent plates.

SPECIFY LRCC.A AS SPECIAL OPTION BASED ON CYLINDER APPLICATION OR LENGTH (SEE HOW TO SPECIFY).

HOW TO SPECIFY

HANDING

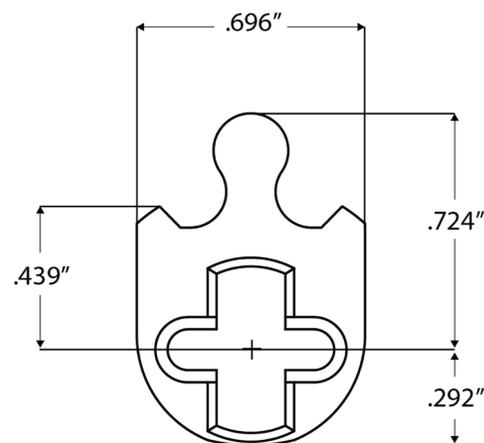


FINISHES

Standard Finish US26D/US32D.

AM anti-microbial coating is available.

Please [contact us](#) regarding availability of other finishes.



CYLINDERS & KEYING

CH Mortise Sets accept any standard American mortise cylinder. For details on required cams and compatibility with other manufacturers' cylinders, please visit:

[Accurate Support.](#)

HOW TO SPECIFY

CH FUNCTION BL.BACKSET.TRIM OPTIONS.FINISH.HAND.134.SPECIAL OPTIONS

Functions
See available functions
(pgs. 8-12)

Backset:
Standard 2-3/4"
(3-3/4", 5" or 6" available)

Trim Options:
S.PC – Small Plate w/Paperclip Protection
L.PC - Large Plate w/Paperclip Protection **(default if not specified)**
HCH – Horizontal Crescent
BA – Breakaway Trim

Finishes
Standard finishes:
US26D/US32D
AM Anti-microbial

Special Options

- **Specify SP:** SilentPac™ Lever Dampening Disc
- **Specify ETCH:** Custom Etching
- **Specify AV:** Anti-Vandal Trim

EXAMPLES

Crescent Handle | Passage | Closet Doors | Anti-Vandal Trim
E.g.: CH 9125BL.234.S.PC.US26D.RH.134.AV

Crescent Handle | Staff Bathroom
E.g.: CH 9147i-BL.234.L.PC.US26D.LH.134

Crescent Handle | Institutional Privacy | Add SP For Patient Bathroom
E.g.: CH 9143BL.234.L.PC.US26D.RHR.134.SP

Crescent Handle | Store Door | Custom Etching
E.g.: CH 9122.234.L.PC.US26D.RH.134.ETCH

Crescent Handle | Entrance | Cylinder Collar (1¹/₈" Cylinder Length)
E.g.: CH 9148BL.234.HCH.US26D.RHR.134.LRCC.187

Crescent Handle | Motor Drive Electric | For Access Control Openings
E.g.: CH M9159E-BL-AE.234.L.PC.US26D.LHR.134

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