



FHC[®]
FRAMELESS HARDWARE COMPANY

INSTALLATION
INSTRUCTIONS



USE ONLY
MONOLITHIC
TEMPERED
GLASS



USE ONLY
LAMINATED
TEMPERED
GLASS

FHC HP100/HP105 Series
Steincraft[®] Panic Devices for
HERC-DOOR[®] Glass Entrances

STEINCRAFT[®]
PANIC HANDLES | UL CERTIFIED S A45616

HERC-DOOR[®]
U.S. Patent Nos. 11,060,341 and 11,187,323

FHC HP100 SERIES STEINCRAFT PANIC DEVICES AND HANDLES

GLASS OPTIONS

1/2" (12mm)	Tempered Glass
9/16" (13.52mm)	Tempered-Lami Glass with Rigid Interlayer
5/8" (16mm)	Tempered Glass
11/16" (17.52 mm)	Tempered glass
3/4" (19mm)	TemperedGlass
13/16" (21.52 mm)	Tempered Glass

PRODUCT CONSTRUCTION

Base Material:

304 Stainless Steel

385 Brass

Wall Thickness:

.065 SS Welded Tubing

.080 Tubing

Bend Support:

Solid Aluminum Filler

RECOMMENDED MAXIMUM DOOR HEIGHTS

FOR GLASS SIZES:

1/2" (12mm) and 9/16"(13.52 mm) Glass

Exterior Applications Max: 8'- 0" (2.44 m)

Interior Applications Max Height: 8'- 6" (2.59m)

5/8" (16mm), 11/16" (17.52mm), 3/4" (19mm), and 13/16" (21.52 mm) Glass

Exterior Applications Max Height: 8'- 6" (2.59m)

Interior Applications Max Height: 9'-0" (2.74m)

FHC TOOL KIT REQUIRED FOR INSTALLATION

NOTE: With Each Panic Handle shipped, FHC includes all Allen Wrenches and Thread Locker for proper assembly. Additional tool kits are also available if required.

ITEM NO. SPW1 FHC Panic Handle Tool Kit

Qty. -1 FHC Panic Handle Spanner Wrench

Qty. -1 1/4" Hex L-Key Allen Wrench

Qty. -1 3/16" Hex L-Key Allen Wrench

Qty. -1 5/32" Hex L-Key Allen Wrench

Qty. -1 5/64" Hex L-Key Allen Wrench

Adjustable Pliers with Protective Jaws (sold separately)

Rubber Mallet (sold separately)

FINISHES

Brushed Stainless

(BS)

Polished Stainless

(PS)

Satin Brass

(SB)

Polished Brass

(PB)

Matte Black

(MB)

Oil Rubbed Bronze

(ORB)

Powder Coat

(PT)

CERTIFICATIONS



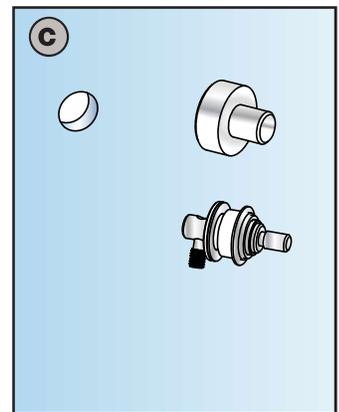
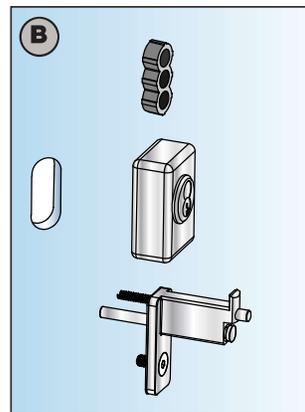
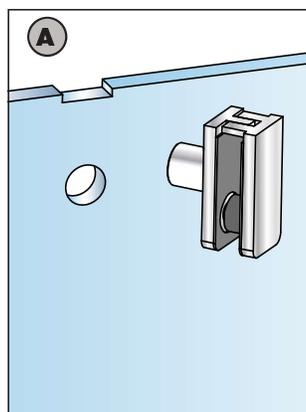
LISTED
PANIC HARDWARE
SA45616



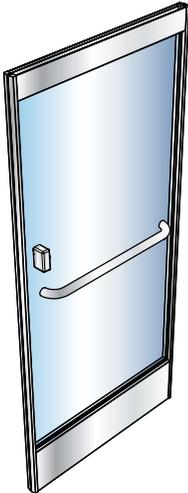
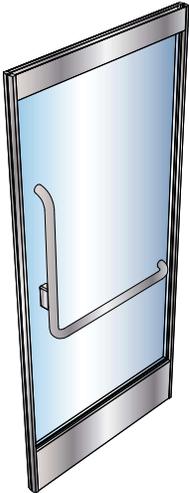
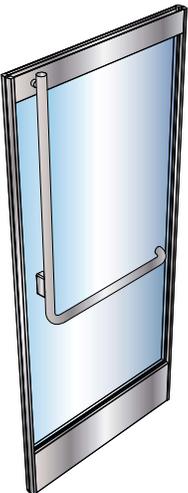
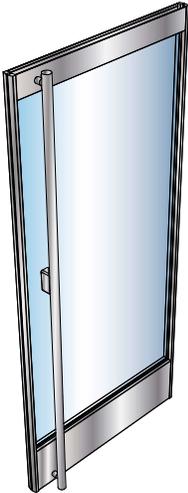
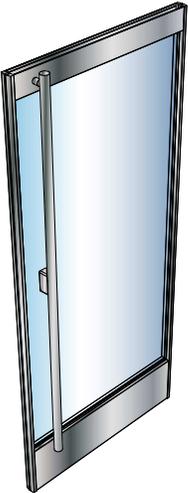
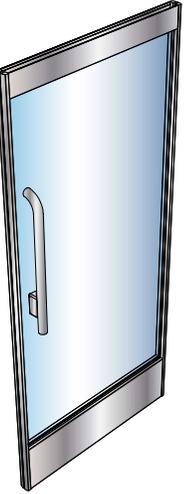
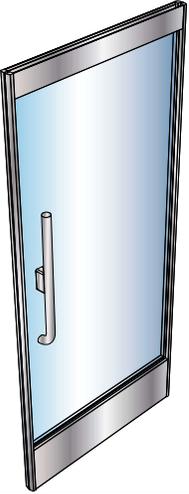
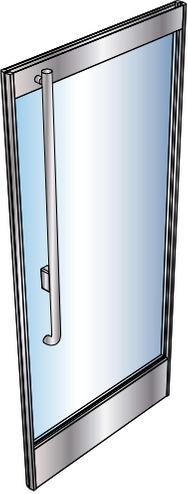
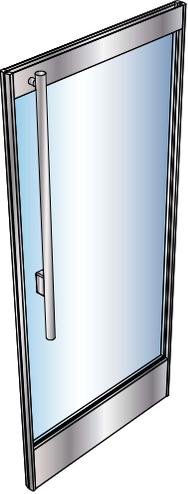
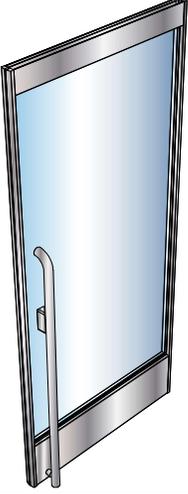
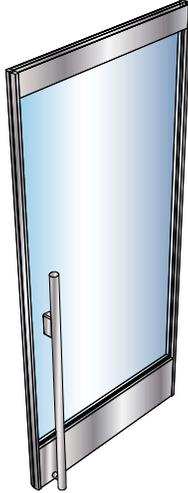
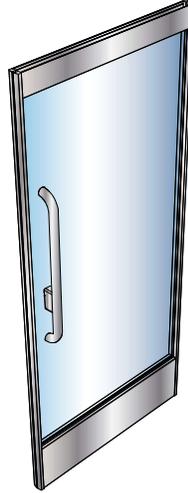
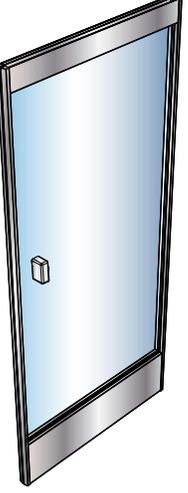
BHMA A156.3
FHC HP100/HP105
FRAMELESS HARDWARE CO

GLASS FABRICATION

Specific glass fabrication details will be noted on the Shop Drawings provided with your order. The (3) types of fabrication for Frameless/ Glass Mounted Panics are A, B, and C. Framed doors will require B and C.



PANIC EXTERIOR HANDLE STYLES

				
A STYLE (STD)	B STYLE	D STYLE	F STYLE	F-S STYLE
				
G STYLE	H STYLE	J STYLE	J-S STYLE	M STYLE
<p>NOTE: FHC HERC-DOORS® WITH NARROW PROFILE STILES SHOWN. FHC PANICS HANDLES ARE ALSO COMPATIBLE WITH GLASS, ALUMINUM, AND WOOD MOUNTING.</p> <p>* NOTE: VERTICAL STILES SHOWN ARE OPTIONAL</p>				
				
M-S STYLE	X STYLE	Z STYLE NO EXT PULL		

EXPERIENCE AND INNOVATION



PRE-INSTALLATION

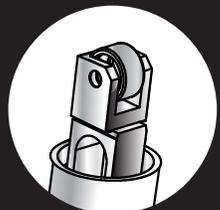
SYSTEM UNPACKING

Every HP100 Steincraft® Panic Handle is completely assembled, mounted to a Plywood Board, and fully inspected at our factory before shipping. Before installation the system must be removed from the Plywood Board.

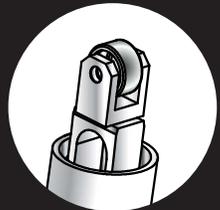
PLEASE NOTE: The Plywood Board used to ship your product uses the same assembly and attachment methods that you will use to your HERC-DOOR® or Frameless Glass Door.

1. Verify that the Dogging Pin is in the DOWN position. **A**
2. Remove the hex screws from the free ends of the Exterior and Interior Panic Handles so that they will pull apart. **B**
2. Disconnect the top of the Interior Handle from the Adapter Block by turning the Pivot Connector. Do not disconnect the Exterior Handle yet. **C**
4. Remove the flathead phillips screw to release the Actuator Post and pull out on the Interior Handle. Hold the Actuator Block to prevent it from falling. **D**
5. Remove the Exterior Handle.

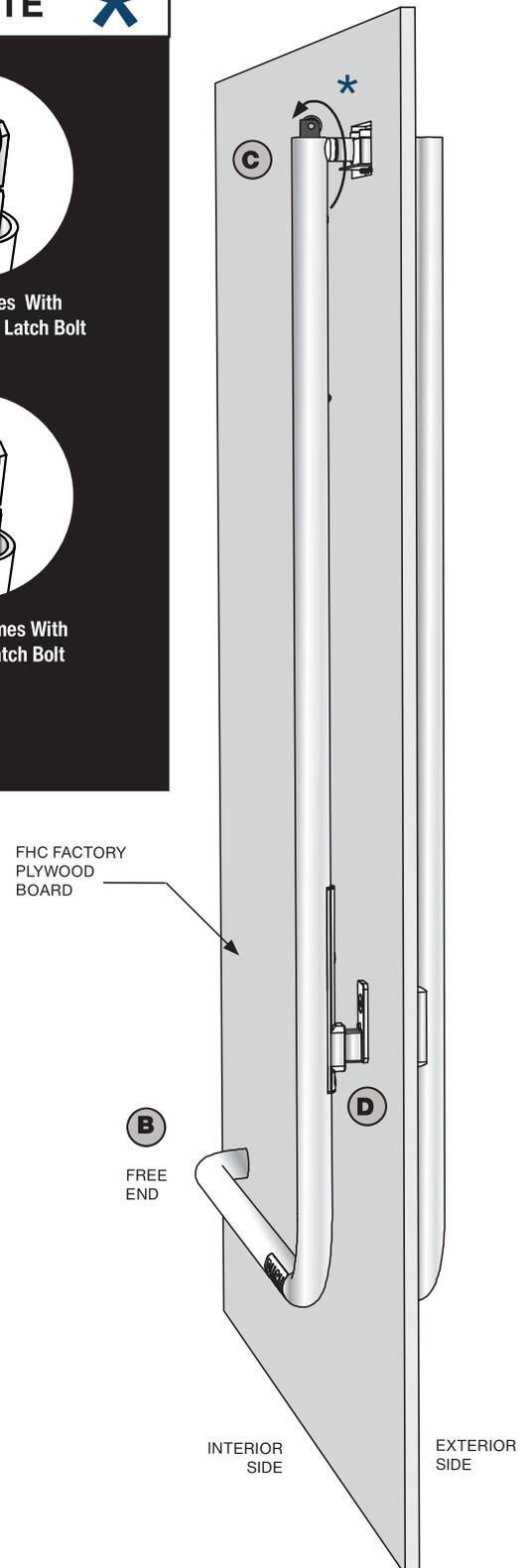
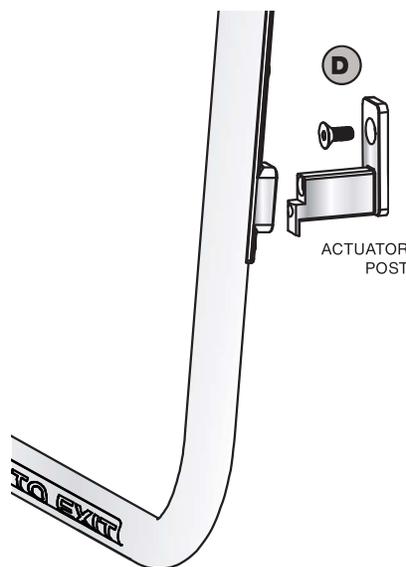
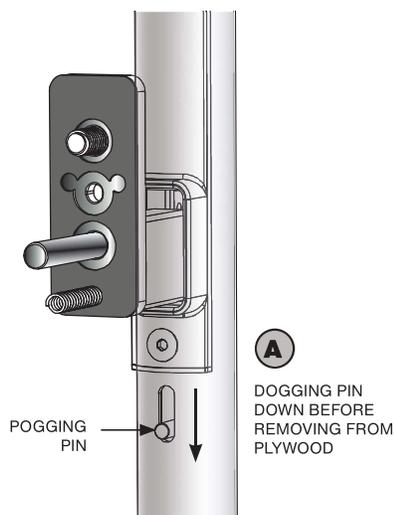
PLEASE NOTE *



HP100 Series Comes With
FHC Security Roller Latch Bolt



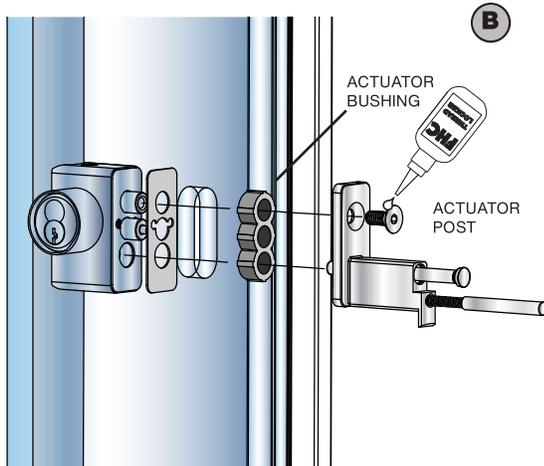
HP105 Series Comes With
Standard Roller Latch Bolt



HERC-DOOR® RAIL INSTALLATION

EXTERIOR PULL INSTALLATION

The Exterior Pull Handle must be attached first in order to provide a through-glass attachment method for the active Panic Device.



1. Align the Free End, Lock Block, and the Adapter Block to the (3) points on the Exterior Pull. **A B C**
2. Attach the Mating Pull through the glass with the Actuator. **B** Choose the best Actuator Bushing that will center the Lock Block to the glass fabrication with the Exterior Pull in place.
3. Fasten point **A** to the Adapter Block with the 5/16" socket head cap screw using a 1/4" hex wrench.
4. Attached the Free End **C** of the Exterior Pull to the glass with the Pivot Connector.

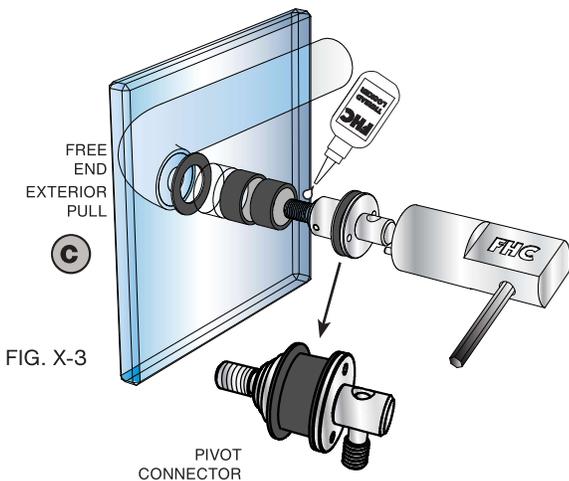
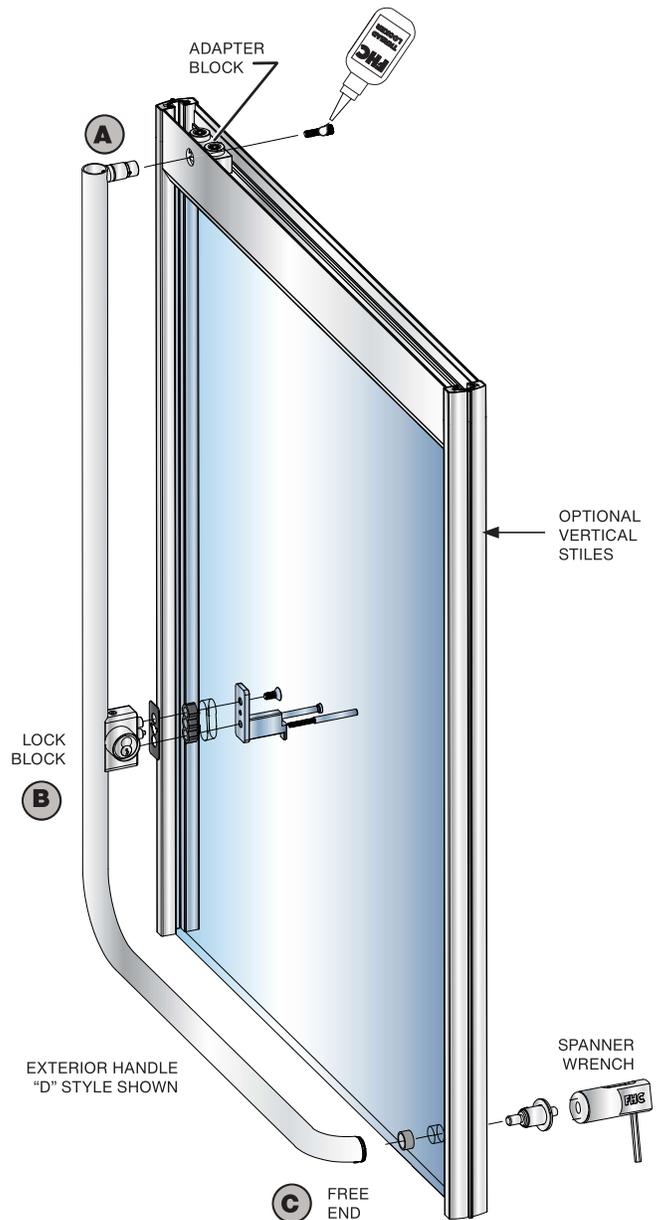


FIG. X-3



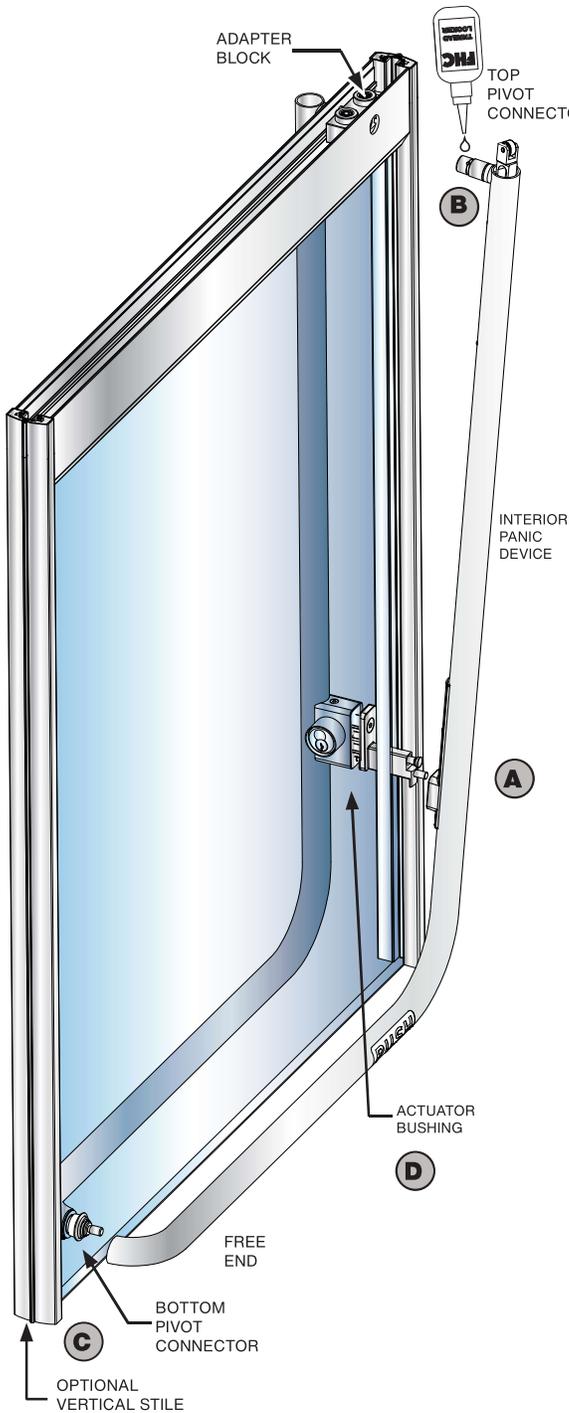
FHC highly recommends the use of a thread locking liquid to be applied to all parts indicated by the bottle symbol. Panic devices are required in many locations by law and must be properly installed and maintained. A good quality thread locking product will help ensure the device will remain in position and operable over many years of use.

EXPERIENCE AND INNOVATION



HERC-DOOR® RAIL INSTALLATION

INTERIOR PANIC DEVICE INSTALLATION



1. To install the Active Panic Device, tilt the bar back and hook the Face Plate Shroud under the Actuator Post. **A**

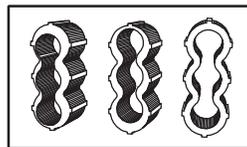
2. Lift the device straight up and insert the Top Pivot Connector into the Adapter Block Access hole on the face of the HERC-DOOR® Rail. **B**

3. Lift and insert the Free End of the Panic over the Bottom Pivot Connector. Insert the threaded pin and tighten. **C**

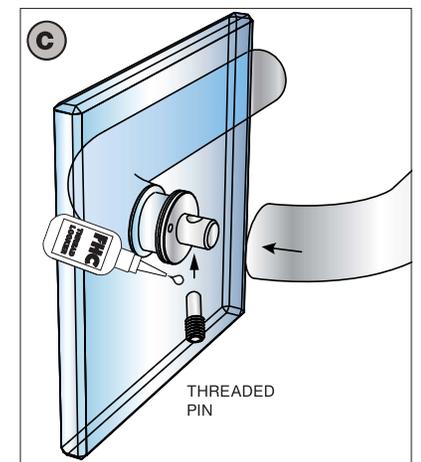
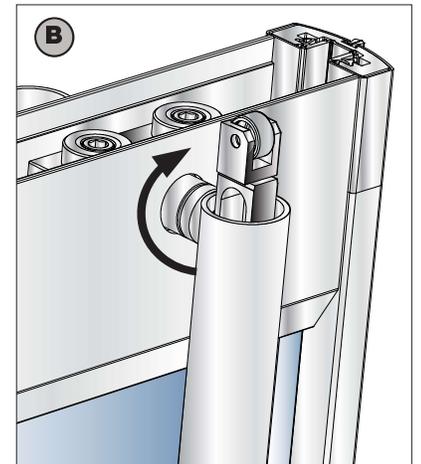
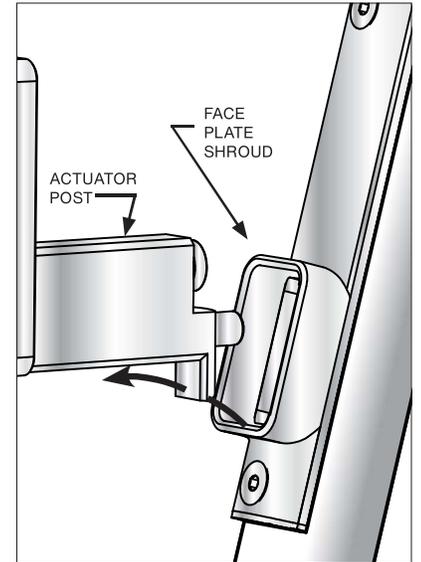
4. Tighten the threaded collar of the Top Pivot Connector with a pair of adjustable pliers with protective jaws. **B**

5. Verify that the Face Plate Shroud does not rub the Actuator post during normal operation. **A**

Minor horizontal adjustments may be made at the Bottom Pivot Connector due to the larger hole size. The alternative to adjusting the Bottom Pivot would be to change out the Actuator Bushing. Your order was shipped with various offset versions. Select the Bushing that gives you the best alignment. **D**



ASSORTED ACTUATOR BUSHINGS INCLUDED WITH EACH HANDLE



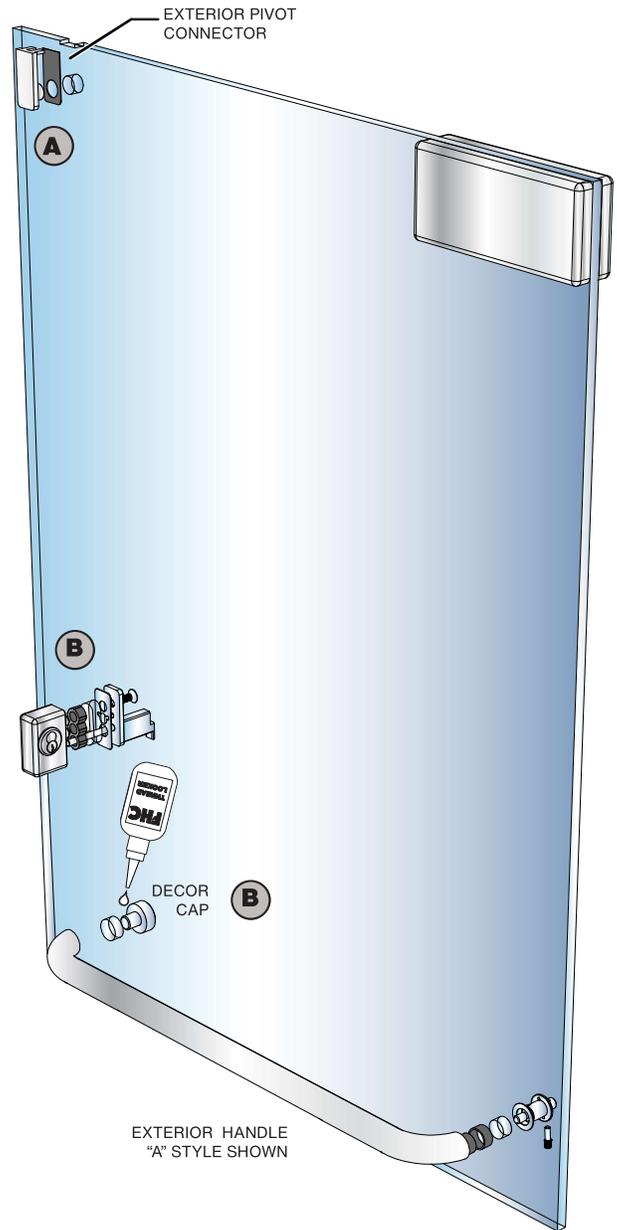
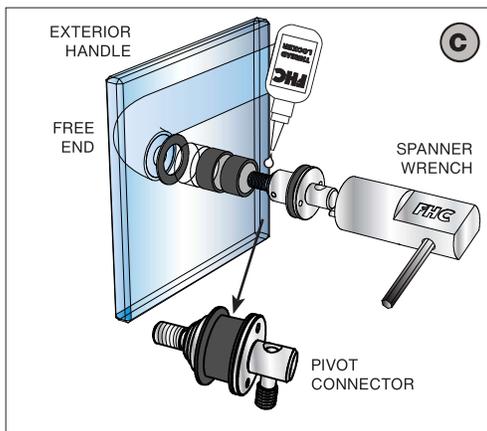
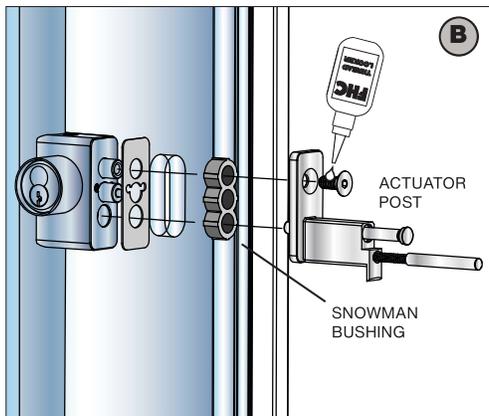
GLASS DOOR ATTACHMENT

NOTE: THE INSTALLATION ILLUSTRATED BELOW IS JUST ONE OF MANY CONFIGURATIONS POSSIBLE WITH THE FHC HP100 STEINCRAFT® PANIC DEVICES. REFER TO THE SHOP DRAWINGS PROVIDED WITH YOUR ORDER FOR MORE INFORMATION.

EXTERIOR HANDLE INSTALLATION

The Exterior Handle must be attached first in order to provide a through-glass attachment method for the active Panic Device.

1. The exterior side of the Pivot Connector **A** is shown for reference but will be attached in the next section.
2. Attach an optional Lock Block **B** through the glass with the Actuator as illustrated.
3. Attach the Exterior Handle using the Pivot Connector on the end that will connect to the Panic Device on the interior side. **C**
4. Attach the other end of the Exterior Handle with the supplied Decor Cap and Plastic Washers. **D**



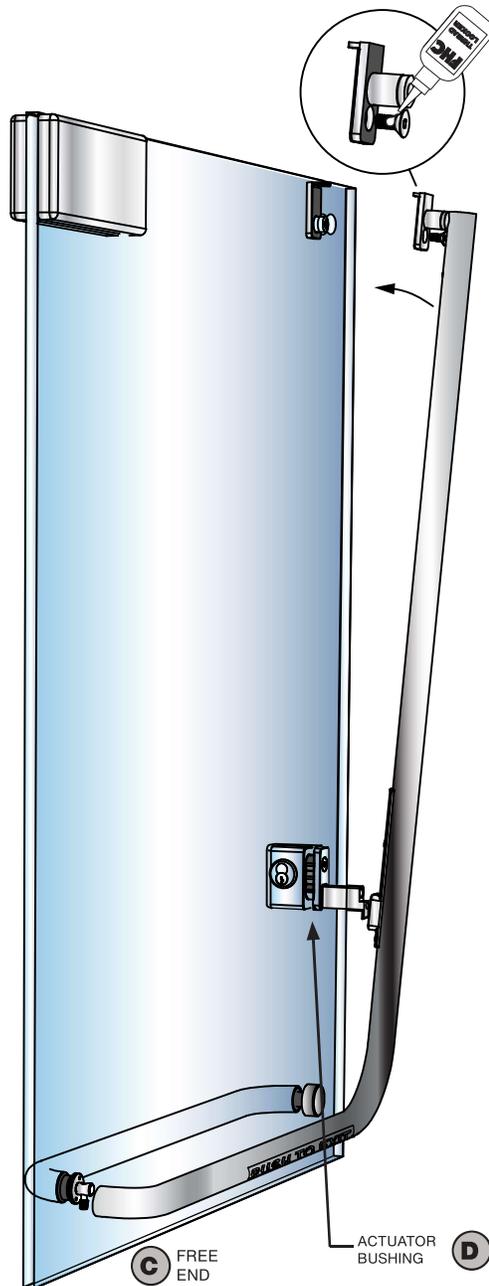
FHC recommends the use of a thread locking liquid to be applied to all parts indicated by the bottle symbol. Panic Devices are required in many locations by law and must be properly installed and maintained. A good quality thread locking product will help ensure the device will remain in position and operable over many years of use.

EXPERIENCE AND INNOVATION



GLASS DOOR ATTACHMENT

INTERIOR PANIC DEVICE INSTALLATION

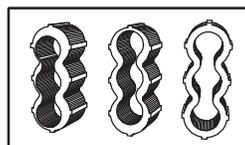
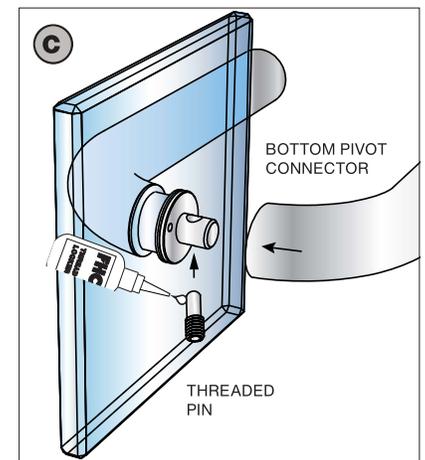
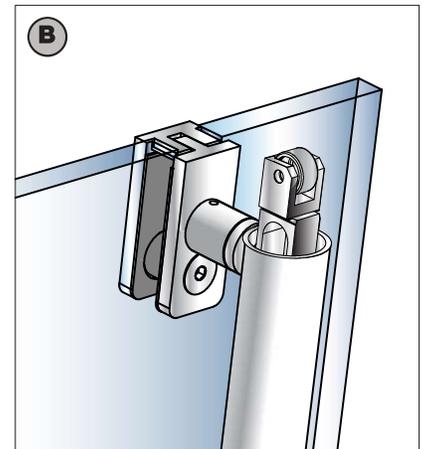
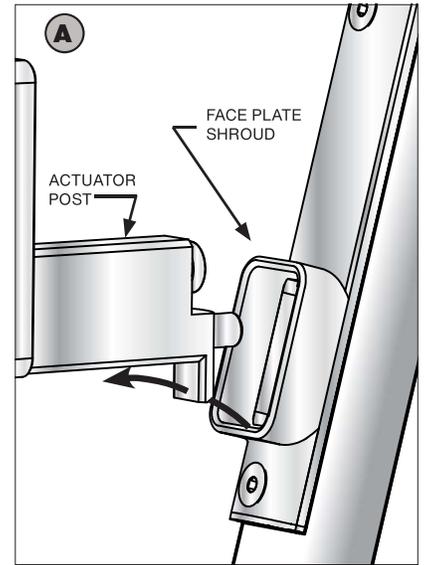


1. To install the Active Panic Device, tilt the bar back and hook the Face Plate Shroud under the Actuator Post. **A**

2. Lift the device straight up and bring the two halves of the Top Pivot Assembly **B** together and fasten with the 5/16-18x3/4" flathead hex screw.

3. Lift and insert the Free End of the Panic over the Bottom Pivot Connector. **C** Insert the threaded pin and tighten.

5. Verify that the Face Plate Shroud does not rub the Actuator post during normal operation. **A** Minor horizontal adjustments may be made at the Bottom Pivot Connector due to the large hole size. The alternative to adjusting the Bottom Pivot would be to change out the Actuator Bushing. Your order was shipped with various offset versions. Select the Bushing that gives you the best alignment at **D**.

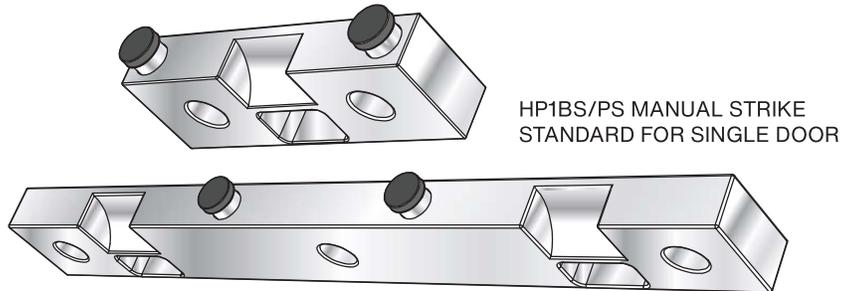


ASSORTED ACTUATOR BUSHINGS INCLUDED WITH EACH HANDLE

MANUAL STRIKE INSTALLATION

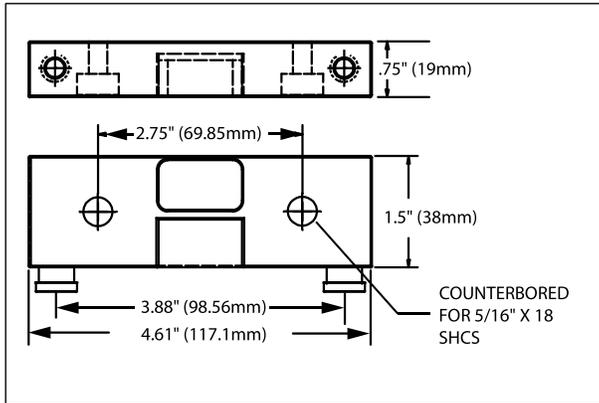
STRIKE OPTIONS

FHC Manual Strikes are compatible with both HERC-DOOR® Rails and Frameless Glass Entrances. Door(s) should be installed and properly adjusted to 1/8" top gap before installing the Fixed Strike.

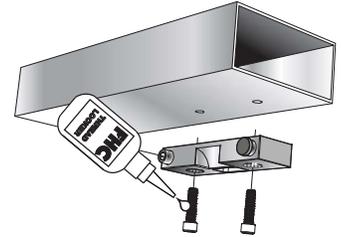


HP1BS/PS MANUAL STRIKE
STANDARD FOR SINGLE DOOR

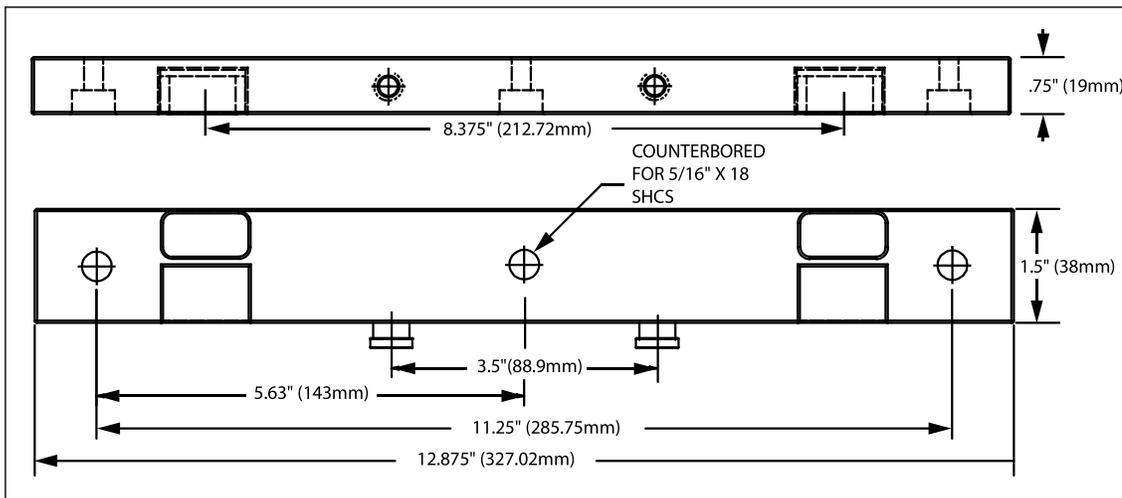
HP2BS/PS MANUAL STRIKE
STANDARD FOR DOUBLE DOORS



FHC Manual Door Strikes are designed to mounted to the door header using the provided 5/16" X 18 socket head cap screws.



Drill and tap holes according to the templates included in the strike packaging.



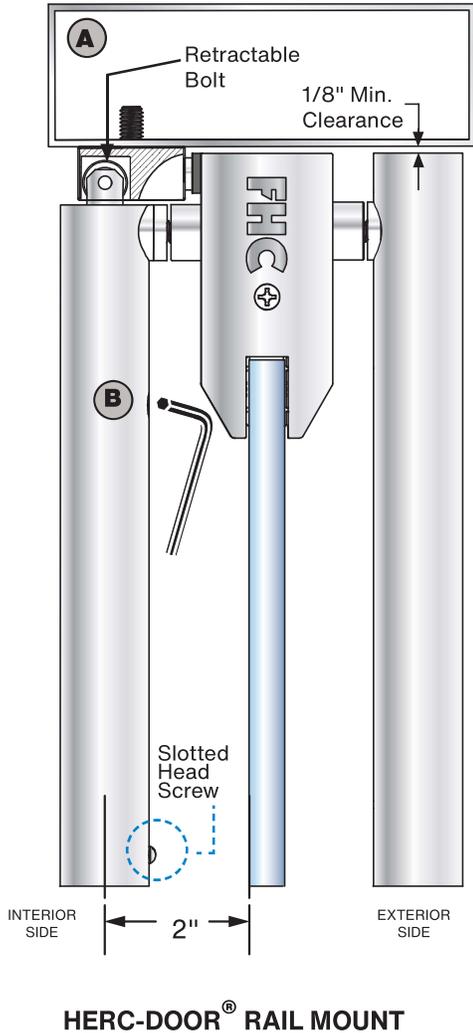
FHC recommends the use of a thread locking liquid to be applied to all parts indicated by the bottle symbol.

NOTE: DRAWINGS ARE NOT TO SCALE. FOR ORIENTATION PURPOSES ONLY. REFER TO TEMPLATES INCLUDED IN THE STRIKE PACKAGING FOR UPDATED DIMENSIONS.

EXPERIENCE AND INNOVATION

MANUAL STRIKE ADJUSTMENT

BOLT ADJUSTMENT



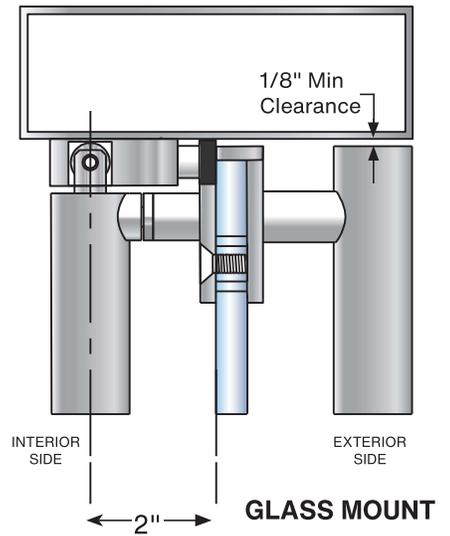
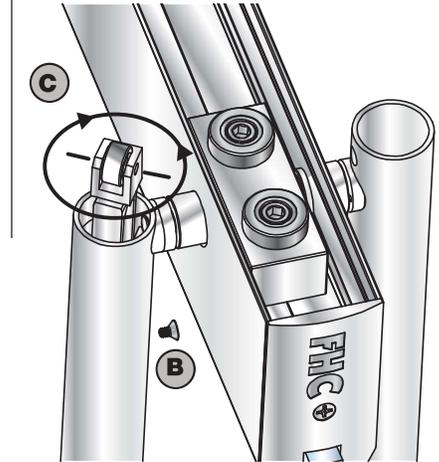
The Retractable Bolt may require adjusting either up or down in order to properly engage the strike. The centerline of the roller should penetrate the strike box at least 1/8". The maximum adjustment is 3/4" above the top of the tube. **A**

To adjust the Retractable Bolt:

1. Remove the flat head screw at the top of the panic handle **B** but **do not remove** the slotted head screw below.
2. Rotate the bolt a full 360 degrees in either direction to extend or retract. **C**
3. Continue to rotate the bolt in order to insert the flat head screw back into the countersunk hole.
4. Tighten the flat head screw. Do not add threadlocker to this fastener.

Use the same bolt adjustment method for rail mount and frameless glass door Panic Handles.

From face of glass to center of Panic should be 2" for rail and glass mount.



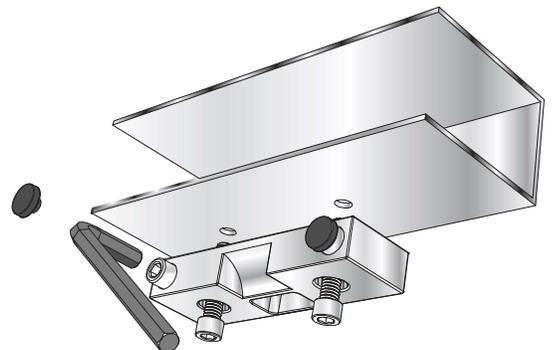
DOOR STOP ADJUSTMENT

Adjustment of the Strikes are easily made by removing the rubber stops and turning in or out with a 1/4" hex key wrench.

Check the stops with the door(s) closed and the Retractable Bolt engaging the Strike Box.

The Retractable Bolt should easily engage the strike box when the door is closed and should be held firmly by the stops without rattling.

Make adjustments where necessary.

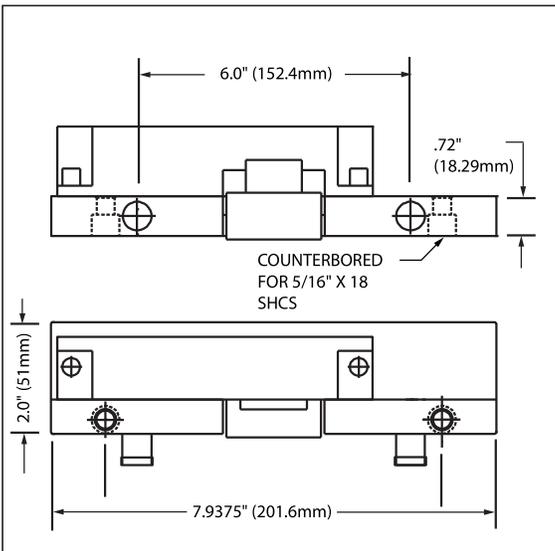
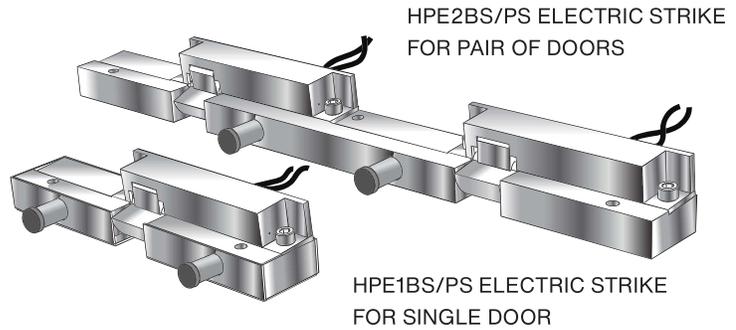


OPTIONAL ELECTRICAL STRIKE INSTALLATION

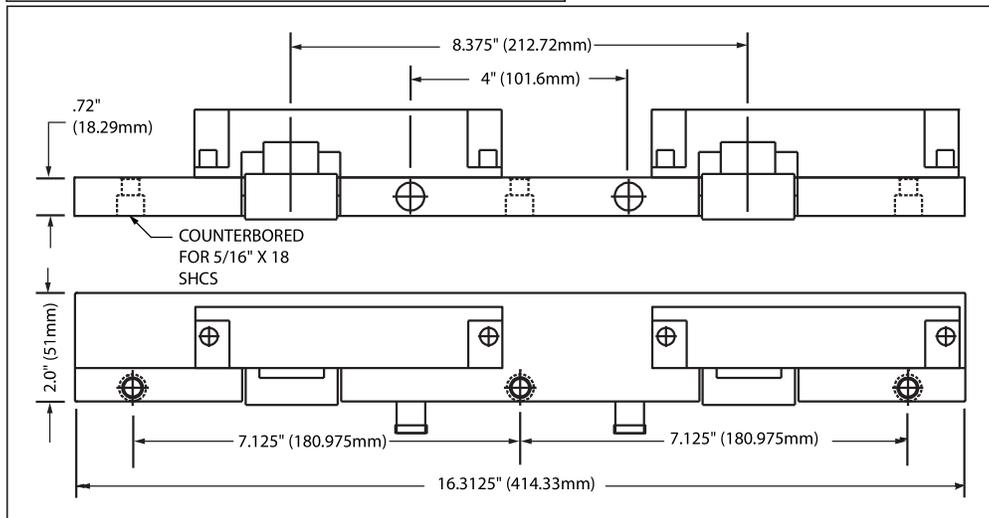
ELECTRIC STRIKE OPTIONS



FHC Electric Strikes are compatible with both HERC-DOOR® Rails and Frameless Glass Entrances. Power supplies should be 12V or 24V AC/DC source. See literature included with the Electric Strike for specific installation and wiring details.



1. Remove Clad Cover from Strike if applicable.
2. Drill and tap header per template included in Electric Strike packaging. (1/4" drill bit and 5/16" x 18 tap)
3. Complete all electrical connections.
4. Apply thread locker to bolt threads and tighten with a 1/4" hex wrench.
5. Replace Clad Cover.

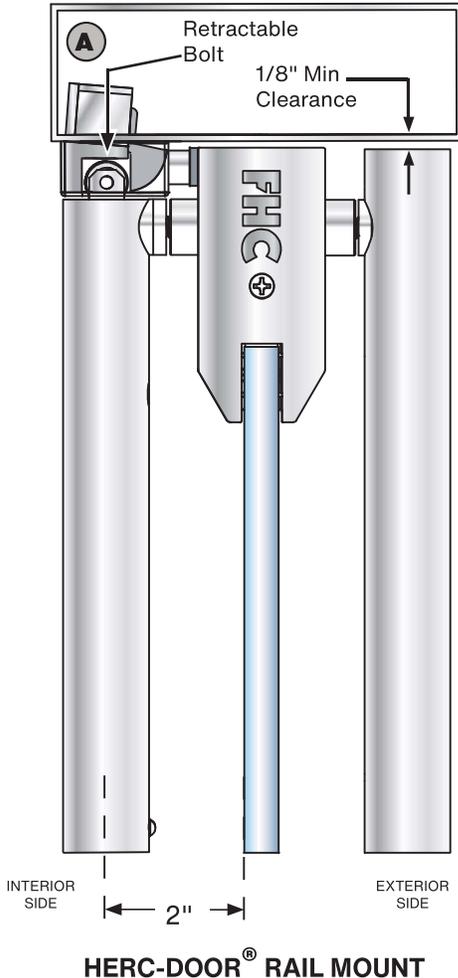


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EXPERIENCE AND INNOVATION

OPTIONAL ELECTRICAL STRIKE ADJUSTMENT

BOLT ADJUSTMENT

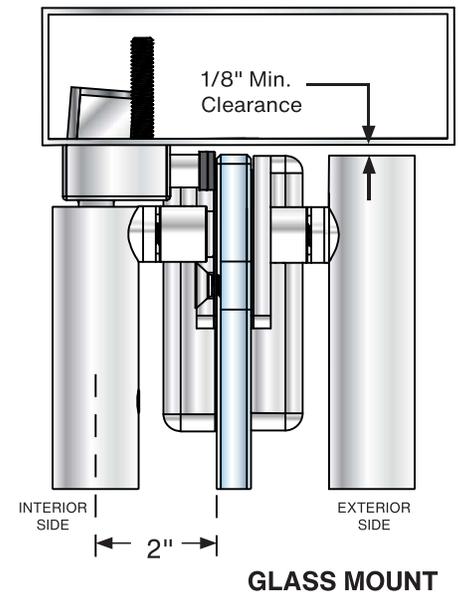
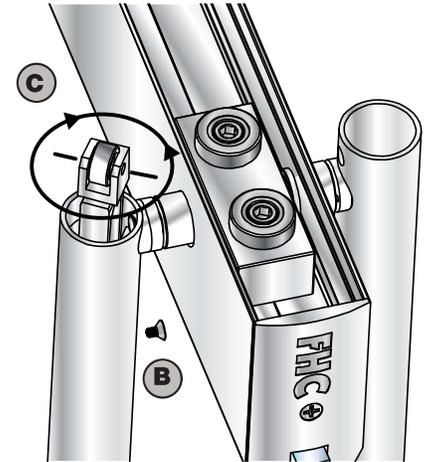


The Retractable Bolt may require adjusting either up or down in order to properly engage the strike. The centerline of the roller should penetrate the strike by at least 1/8". The maximum adjustment is 3/4" above the top of the tube. **A**

To adjust the Retractable Bolt:

1. Remove the flat head screw at the top of the panic handle **B** but do not remove the slotted head screw below.
2. Rotate the bolt 360 degrees in either direction to extend or retract. **C**
3. Continue to rotate the bolt in order to insert the flathead screw back into the countersunk hole.
4. Tighten the flat head screw. Do not add threadlocker to this fastener.

The face of the glass should be 2" from the center of the Panic Handle for both rail and glass mount.



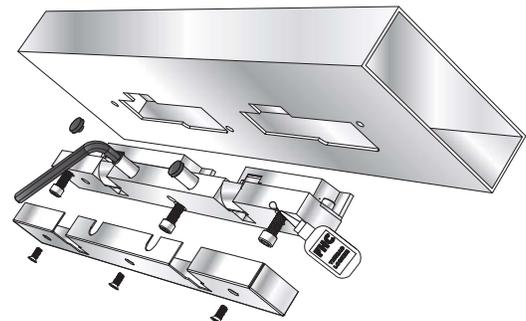
DOOR STOP ADJUSTMENT

Adjustment of the Strikes are easily made by removing the rubber stops and turning in or out with a 1/4" hex key wrench.

Check the stops with the door(s) closed and the Retractable Bolt engaging the Strike Box.

The Retractable Bolt should easily engage the strike box when the door is closed. Additionally, the door should be held firmly by the stops without rattling.

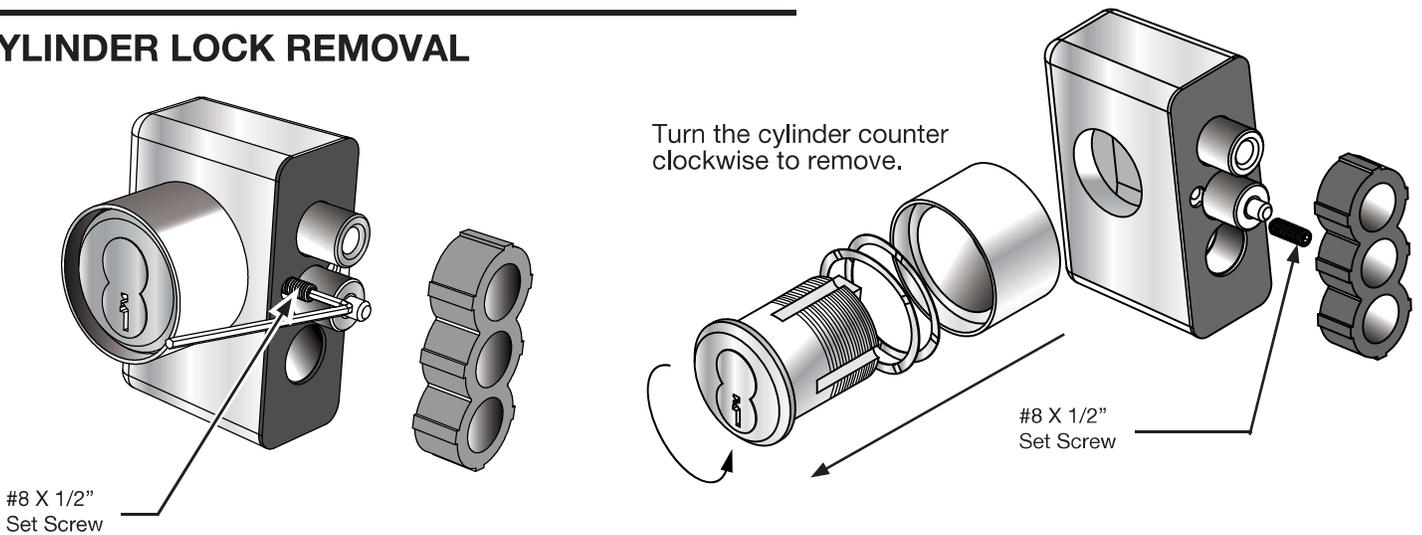
Make adjustments where necessary.



REFER TO TEMPLATES INCLUDED IN THE STRIKE PACKAGING FOR CUT-OUT DETAILS.

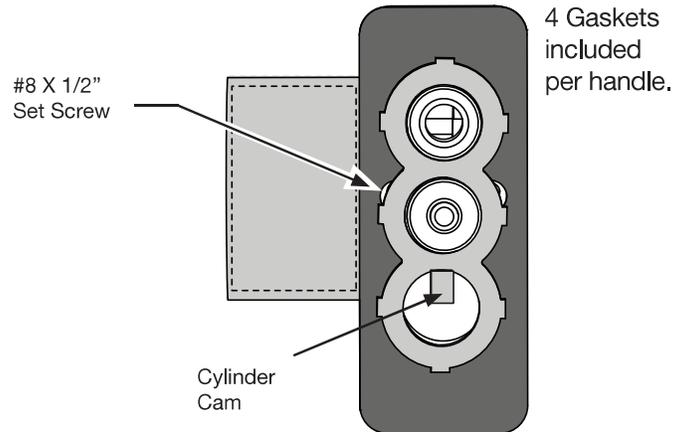
REPLACING THE CYLINDER LOCK

CYLINDER LOCK REMOVAL



Remove the FHC100 Panic Handle cylinder lock body using a hex wrench to loosen the #8 X 1/2" set screw.

To reassemble, thread the lock cylinder back into the threaded hole until the cam is centered as illustrated. Secure in place with the #8 X 1/2" set screw.



REPLACING THE SFIC CORE

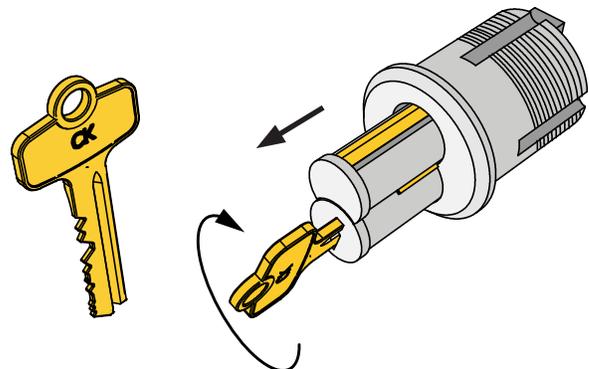
SFIC CORE REMOVAL

The FHC100 Series Steincraft Panic uses a Small Format Interchangeable Core (SFIC) cylinder lock. The SFIC may also be replaced without removing the lock cylinder while still attached to the door.

A Control Key was issued with the Panic Handle. The Control Key is tooled to release the SFIC core by turning it clockwise, past top dead center.

Hold the key in position and pull. The SFIC core will pull straight out.

Insert the replacement by using the new Control Key to turn the SFIC clockwise as before. Return the key to the vertical position to remove.



EXPERIENCE AND INNOVATION

