

Southco® Pawl/Cam Action Latches

T-handle Series

- **Restricted 90° rotation**
- **Use in single-, 2-, or 3-point latching (See pages 160 to 164)**
- **Mounts from inside the panel so no mounting hardware is visible**
- **Clockwise or counterclockwise operation**
- **Available in three sizes**

Large Size



Medium Size



Small Size



Each latch features:

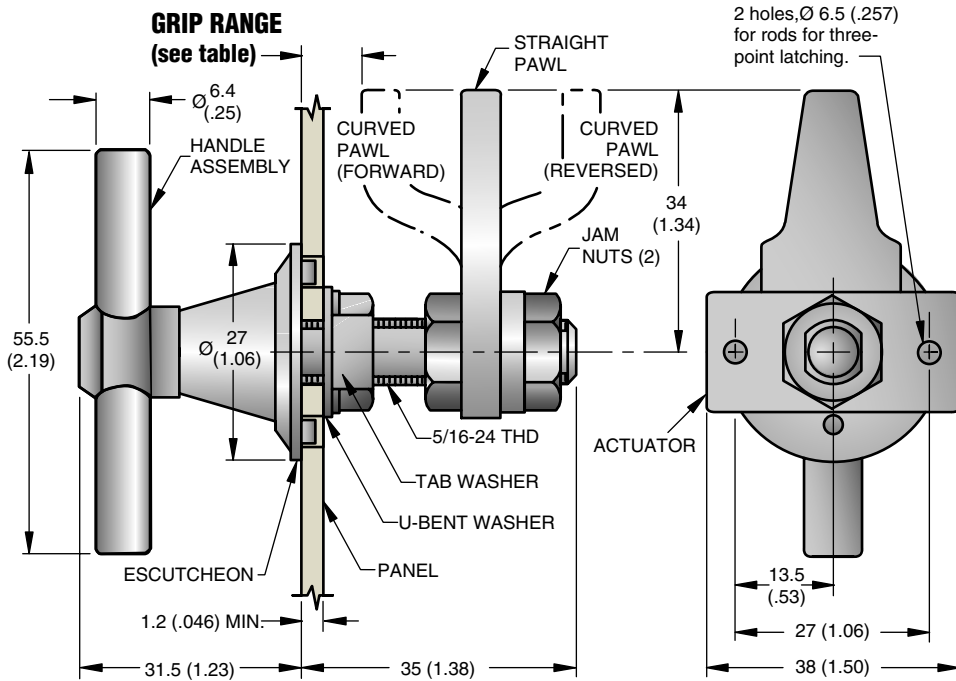
- Built-in 90° rotation stops for positive 1/4-turn latching.
- Choice of installation for left or right hand operation.
- Adaptability to single, two or three-point latching.
- Adjustability. Pawl can be positioned to accommodate a wide range of grips.

Latches are shown approximately actual size.

Southco® Pawl/Cam Action Latches

T-handle Series, Small Size

- **Restricted 90° rotation**
- **Use in single- or 3-point latching (See pages 160 to 164)**
- **Mounts from inside the panel so no mounting hardware is visible**
- **Clockwise or counterclockwise operation**



Material and Finish

FERRULE and ESCUTCHEON: Die-cast zinc, chemical protective film or chrome plated (see table).

HANDLE: 12L14 Steel, chemical protective film or chrome plated (see table).

TAB WASHER and ACTUATOR: 1010 Steel, zinc plate, chromate plus sealer.

JAM and MOUNTING NUTS: Steel, zinc plated plus yellow chromate dip.

U-BENT WASHER: 1070 OR 1080 Steel, zinc plated plus chromate dip.

PIN: 302 Stainless steel, natural.

SHAFT: Low carbon steel, zinc alloy plate, bright chromate plus sealer (for superseal).

PAWL: 1010 Steel, zinc plate, chromate plus sealer.

Product Strength Guidelines

(To assist in your product selection; samples are available for your evaluation.)

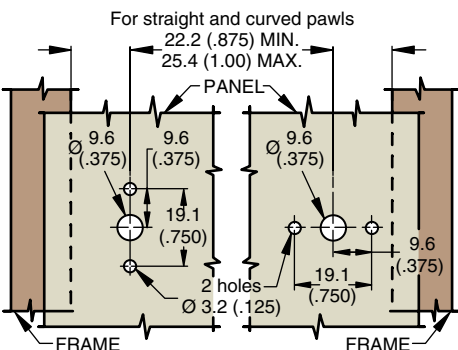
Average ultimate load: 1100 N (250 lbs.)

Installation and Operation

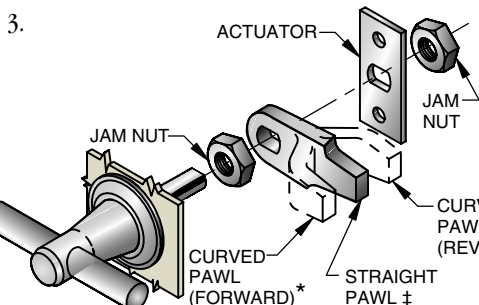
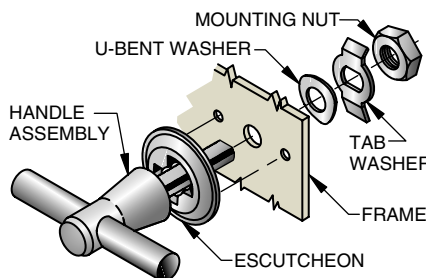
1. Prepare panel as shown.

Type "B" Operation
Turn handle counter clockwise to latch.

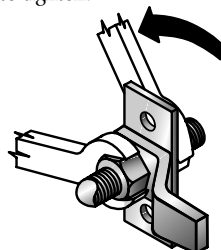
Type "A" Operation
Turn handle clockwise to latch.



2. Assemble as shown. Tighten first nut to hold fastener snugly in panel, yet permit smooth operation. Bend tabs of washer against sides of nut.



4. Adjust pawl to GRIP measurement. Use two wrenches to tighten.

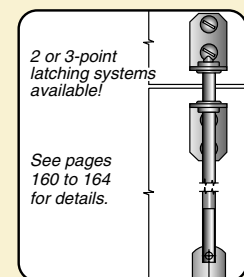


GRIP RANGE		PART NUMBERS	
MIN.	MAX.	Handle Assembly finish	
		Chemical Protective Film	Chrome Plated
0	12.7 (.50)	68-50-301-10* •	68-50-301-20* •
12.7 (.50)	25.4 (1.00)	68-50-302-10‡ •	68-50-302-20‡ •
25.4 (1.00)	38 (1.50)	68-50-301-10* •	68-50-301-20* •

Latch is shipped unassembled, one unit per package.

* The same assembly is supplied for both long and short grips. Short grip curves toward panel. Reverse pawl for long grip.

‡ For intermediate grip, straight pawl is supplied.



millimeter (inch)
millimeter (inch)

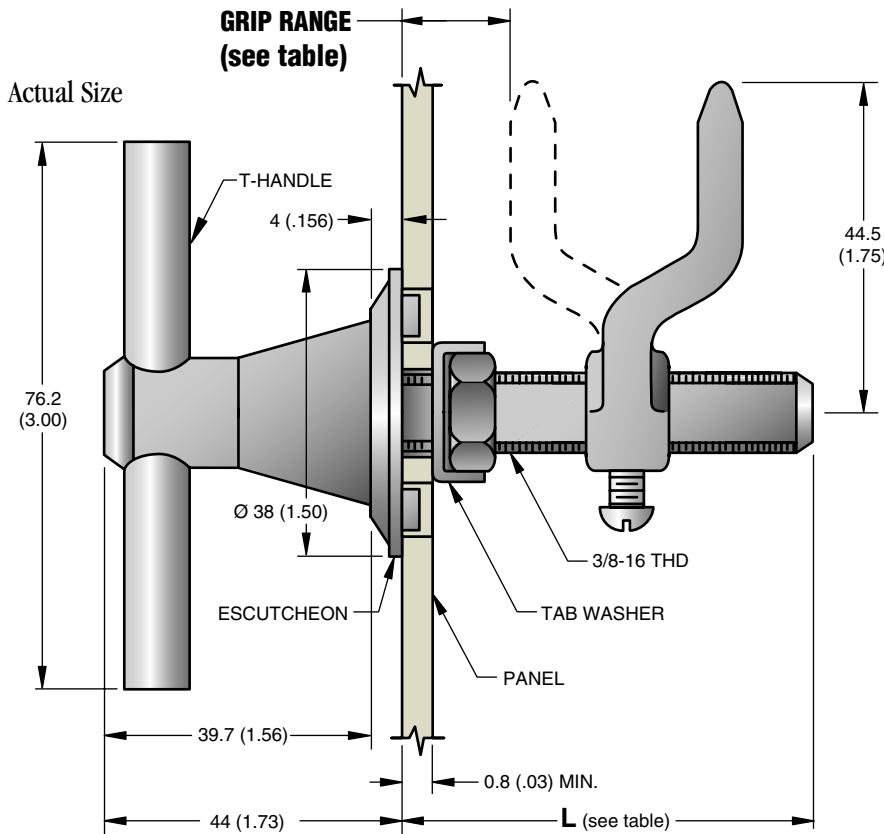
Dimensions without tolerances are for reference only.

Southco® Pawl/Cam Action Latches

T-handle Series, Medium Size

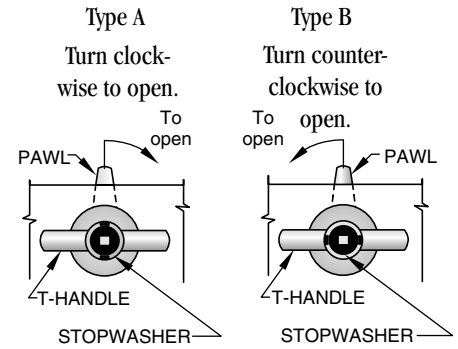
- **Restricted 90° rotation**
- **Use in single- or 3-point latching (See pages 160 to 164)**
- **Mounts from inside the panel so no mounting hardware is visible**
- **Two-handle version for inside and outside operation**
- **Clockwise or counterclockwise operation**

Pawl/Cam Action Latches

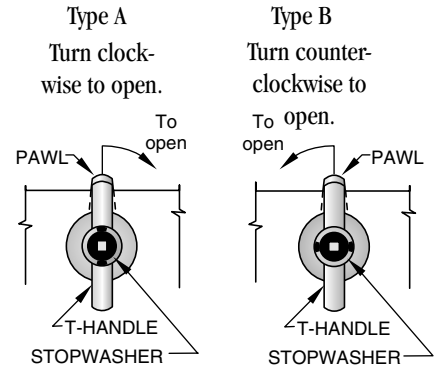


T-handle Orientation and Operation

Handle parallel to edge of panel



Handle perpendicular to edge of panel



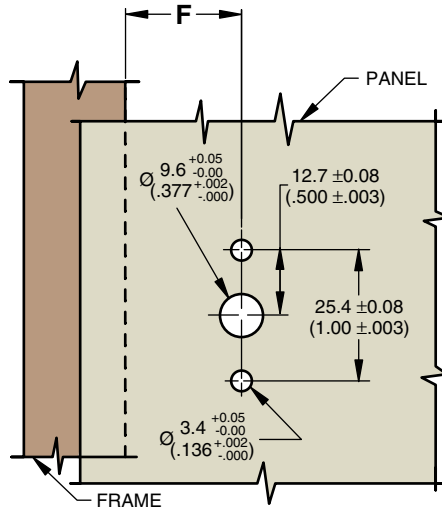
MODEL	GRIP RANGE		L	F	PART NUMBERS	
	MIN.	MAX.			Handle Assembly finish	
					Zinc plate, bright chromate	Chrome Plated
A	3.2 (.13)	25.4 (1.00)	46.4 (1.83)	31.8±3.2 (1.25±.13)	68-10-101-10* •	68-10-101-20* •
	25.4 (1.00)	50.8 (2.00)			68-10-301-10* •	68-10-301-20* •
B	1.6 (.06)	19.8 (.78)		28.6±1.6 (1.13±.06)	68-10-302-10‡ •	68-10-302-20‡ •
	14.3 (.56)	32.5 (1.28)			68-10-301-10* •	68-10-301-20* •
C	27 (1.06)	45.2 (1.78)	31.8±3.2 (1.25±.13)	68-10-401-10* •	—	
	3.2 (.13)	25.4 (1.00)				
	25.4 (1.00)	50.8 (2.00)				

* The same assembly is supplied for both long and short grips.
Short grip curves toward panel. Reverse pawl for long grip.

‡ For intermediate grip, straight pawl is supplied.

Installation

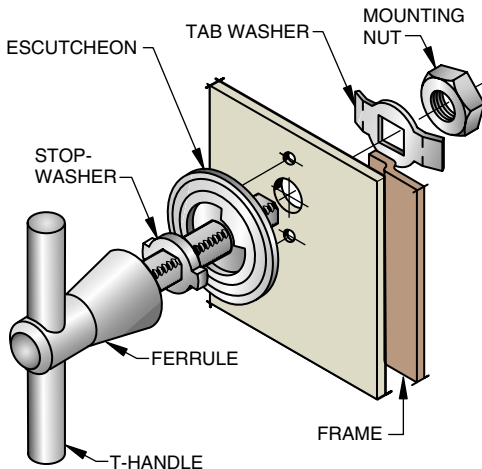
1. Prepare panel as shown. See instructions below for left or right hand operation and T-handle orientation.



2. Basic Latch Assembly (Common to all models)

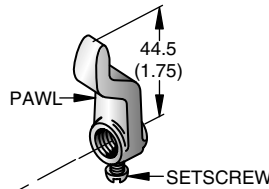
Slip stop washer over shaft (see left for orientation) and follow with escutcheon plate.

Insert shaft into panel; fit stop pins into holes; apply tab washer and square nut. Tighten nut sufficiently to hold fastener snugly in panel, yet permit smooth operation. Bend tabs of washer against sides of nut.

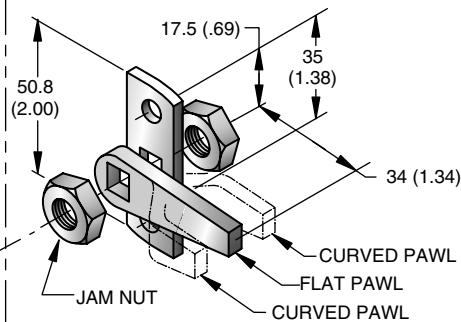


3. Model Variations (See table for part numbers).

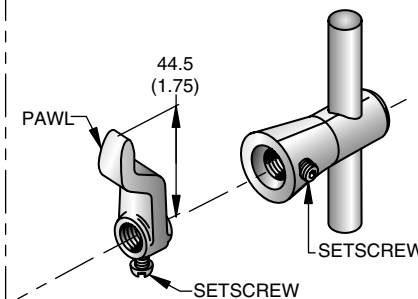
MODEL A Single-point latching



MODEL B Three-point latching



MODEL C Inside/outside handle



Inside Handle
Dimensionally the same as basic handle.

Material and Finish

FERRULE and ESCUTCHEON: Die-cast zinc, chemical protective film or chrome plated (see table).

HANDLE: Low carbon steel, zinc plate bright chromate or chrome plated (see table).

FLAT PAWL and ACTUATOR: 1010 Steel, zinc plate, chromate plus sealer.

JAM and MOUNTING NUTS: Steel, zinc immersion coating.

SHAFT: 12L14 Steel, zinc plate, chromate plus sealer.

CURVED PAWL: Die-cast zinc, zinc immersion coating.

TAB WASHER and STOP WASHER: 1010 Steel, zinc plate, chromate plus sealer.

PIN: 302 Stainless steel, natural.

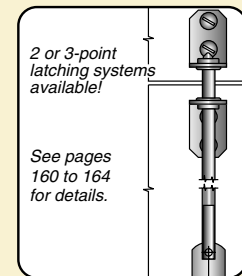
SETSCREW: Steel, zinc immersion coating.

Product Strength Guidelines

(To assist in your product selection; samples are available for your evaluation.)

Average ultimate load: 1100 N (250 lbs.)

Latch is shipped unassembled, one unit per package.



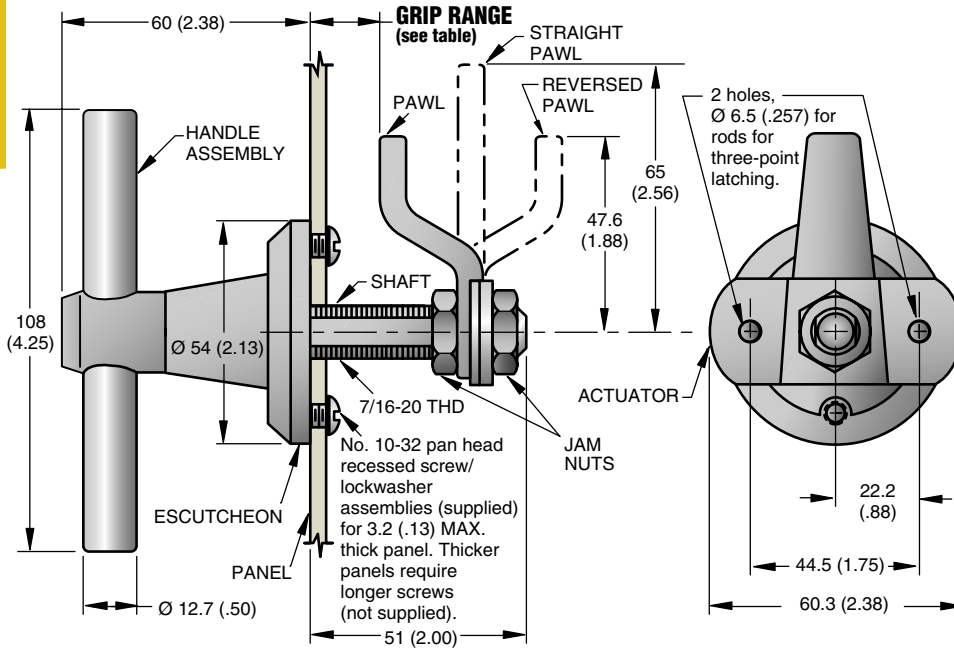
millimeter (inch)
millimeter (inch)

Dimensions without tolerances are for reference only.

Southco® Pawl/Cam Action Latches

T-handle Series, Large Size

- Heavy-duty design
- Restricted 90° rotation
- Use in single-, 2-, or 3-point latching (See pages 160 to 164)
- Mounts from inside the panel so no mounting hardware is visible
- Clockwise or counterclockwise operation



Material and Finish

FERRULE and ESCUTCHEON: Die-cast zinc, chemical protective film or chrome plated (see table).

HANDLE: Low carbon steel, chemical protective film or chrome plated (see table).

SHAFT: Low carbon steel, zinc plate, chromate, plus sealer.

BASE PLATE, PAWL and ACTUATOR: 1010 Steel, zinc plate chromate plus sealer.

BEARING WASHER: 1010 Steel, zinc plate chromate.

JAM NUTS: Steel, zinc immersion coating.

U-BENT WASHER: Spring steel, zinc plate chromate.

PIN: 302 Stainless steel, natural.

MOUNTING SCREWS: Steel, zinc plate, chromate plus sealer.

Product Strength Guidelines

(To assist in your product selection; samples are available for your evaluation.)

Average ultimate load: 1300 N (300 lbs.)

Installation and Operation

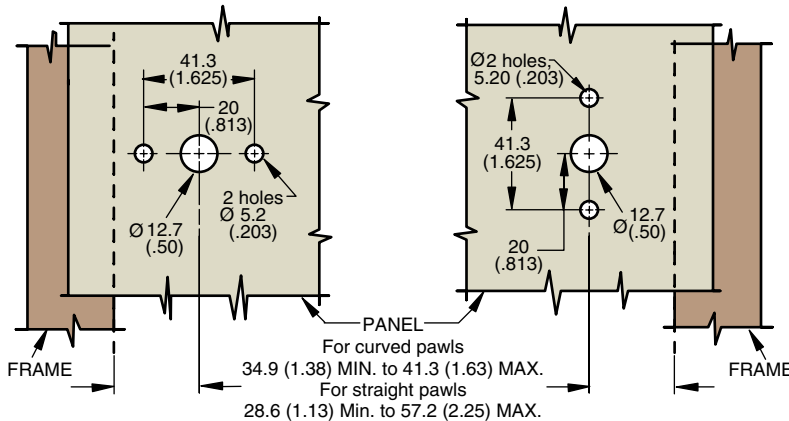
1. Prepare panel as shown.

Type "B" Operation

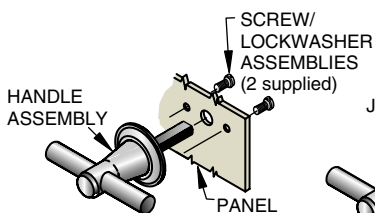
Turn handle counterclockwise to latch.

Type "A" Operation

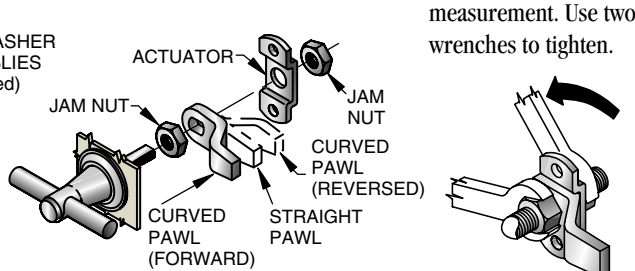
Turn handle clockwise to latch.



2. Assemble as shown.



3.



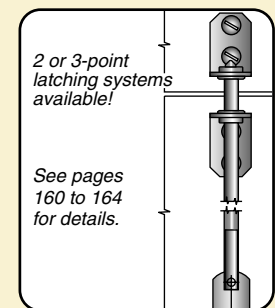
4. Adjust pawl to GRIP measurement. Use two wrenches to tighten.

GRIP RANGE		PART NUMBERS	
Handle Assembly finish			
MIN.	MAX.	Chemical Protective Film	Chrome Plated
0	19 (.75)	68-70-301-10* •	68-70-301-20* •
6.4 (.25)	38 (1.50)	68-70-302-10‡ •	68-70-302-20‡ •
25.4 (1.00)	57 (2.25)	68-70-301-10* •	68-70-301-20* •

* The same assembly is supplied for both long and short grips. Short grip curves toward panel. Reverse pawl for long grip.

‡ For intermediate grip, straight pawl is supplied.

Latch is shipped unassembled, one unit per package.



millimeter (inch)
millimeter (inch)

Dimensions without tolerances are for reference only.

Southco® Pawl/Cam Action Latches

Bail-handle Series, Medium Size

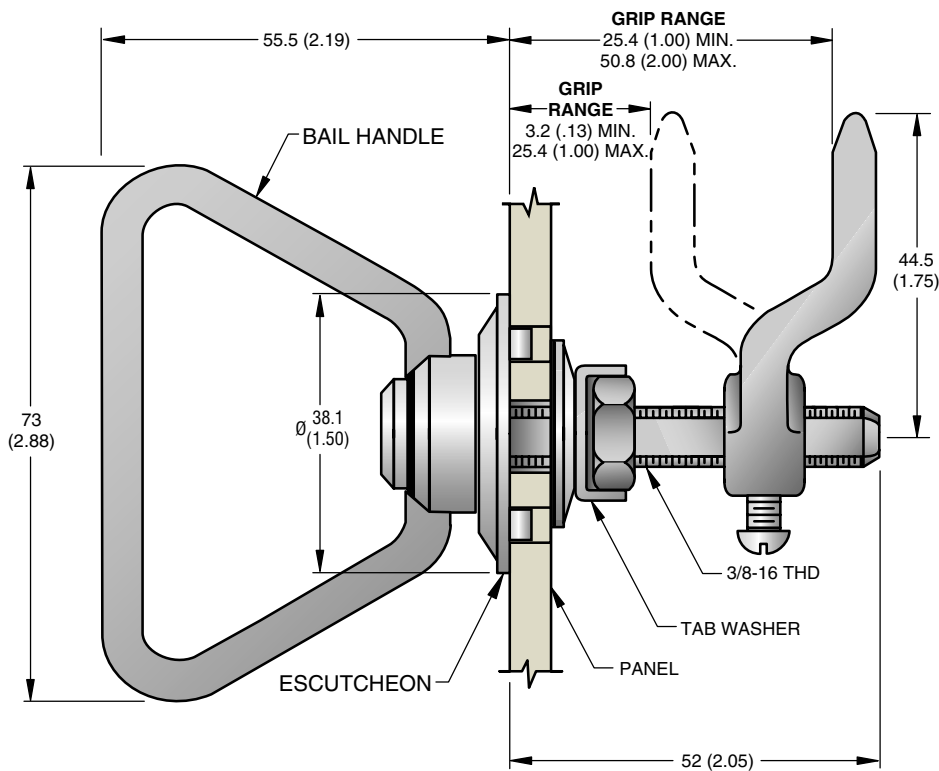
- **Restricted 90° rotation**
- **Use in single-, 2-, or 3-point latching (See pages 160 to 164)**
- **Mounts from inside the panel so no mounting hardware is visible**
- **Detents hold the handle in the open and stored positions**
- **Clockwise or counterclockwise operation**

Material and Finish

ESCUTCHEON and STOP WASHER: Die-cast zinc, chemical protective film or chrome plated (see table).
 BAIL HANDLE: 1008 Steel, zinc plate bright chromate or chrome plated (see table).
 SHAFT: Low carbon steel, zinc plate bright chromate or chrome plated (see table).
 NUT: Steel, zinc plate chromate plus sealer.
 WASHER: Spring steel, zinc plate, chromate plus sealer.
 PAWL: Die-cast zinc, zinc immersion coating.
 TAB WASHER: 1010 Steel, zinc plate, chromate plus sealer.
 SETSCREW: Steel, zinc immersion coating.
 Latch is shipped unassembled, one unit per package.

Product Strength Guidelines

(To assist in your product selection; samples are available for your evaluation.)
 Average ultimate load: 890 N (200 lbs.)



PART NUMBERS

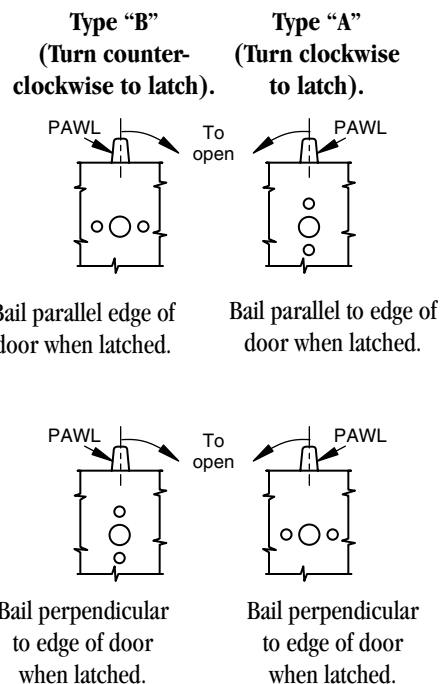
Handle assembly finish

Zinc plate bright chromate	Chrome plated
68-20-101-10 •	68-20-101-20 •

millimeter (inch)
 millimeter
 (inch)

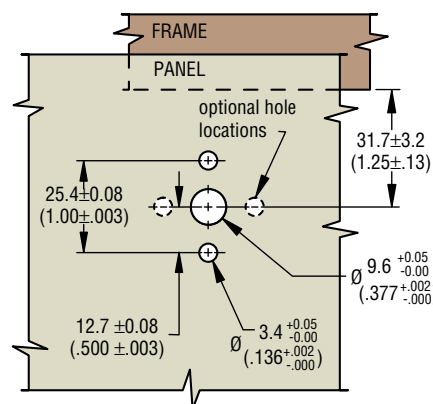
Dimensions without tolerances are for reference only.

Bail handle Orientation and Operation

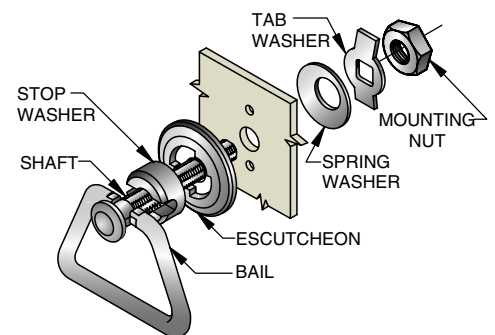


Installation

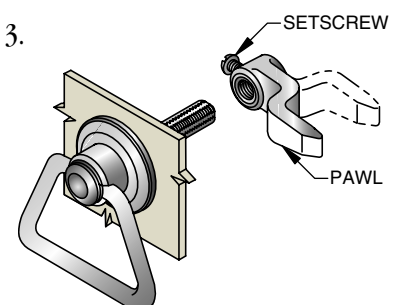
1. Prepare panel according to desired bail position and latching direction, as shown.



2. Assemble as shown.



- 3.



Southco® Pawl/Cam Action Latches

Bail-handle Series, Large Size

- **Restricted 90° rotation**
- **Mounts from inside the panel so no mounting hardware is visible**
- **Detents hold the handle in the open and stored positions**
- **Clockwise or counterclockwise operation**



Material and Finish

ESCUTCHEON and STOP WASHER: Die-cast zinc, chemical protective film or chrome plated (see table).

BAIL HANDLE: 1008 Steel, zinc plate bright chromate or chrome plated (see table).

SHAFT: Low carbon steel, zinc plate bright chromate or chrome plated (see table).

PAWL, ACTUATOR, BASE PLATE and TAB WASHER: 1010 Steel, zinc plate, chromate plus sealer.

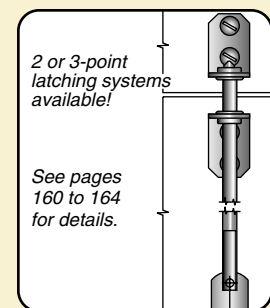
JAM NUTS and MOUNTING SCREWS: Steel, zinc plate, chromate plus sealer.

WASHER: Spring steel, zinc plate, chromate plus sealer.

Product Strength Guidelines

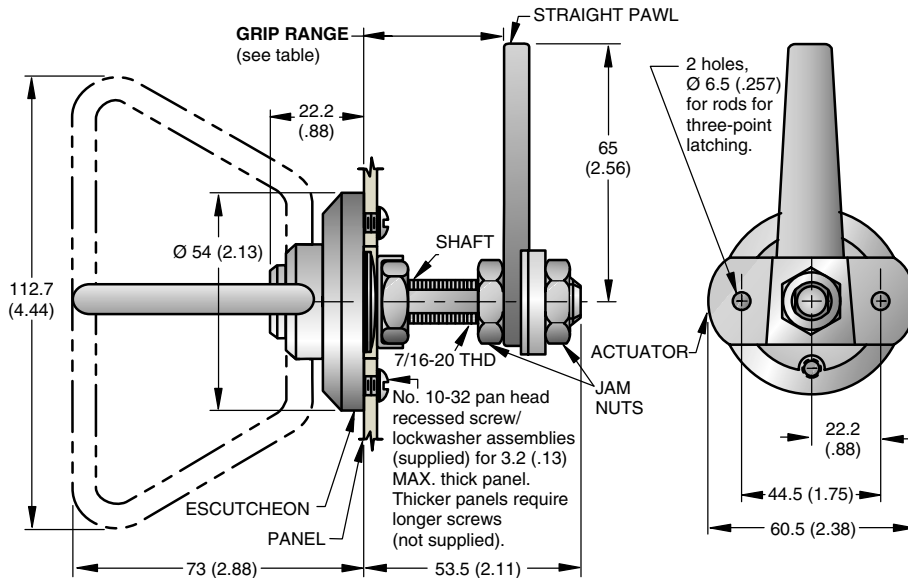
(To assist in your product selection; samples are available for your evaluation.)

Average ultimate load: 1300 N (300 lbs.)



millimeter (inch)
millimeter (inch)

Dimensions without tolerances are for reference only.



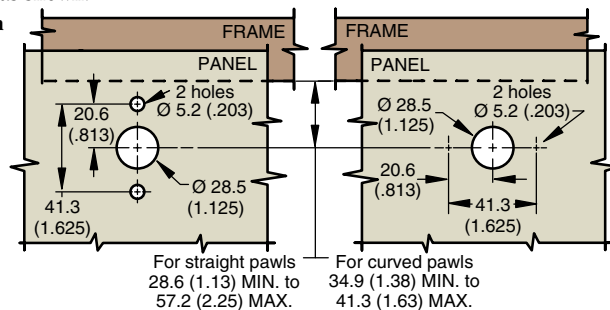
GRIP RANGE		PART NUMBERS	
Handle Assembly finish			
MIN.	MAX.	Zinc Plate Bright Chromate	Chrome Plated
16 (.63)	36.5 (1.44)	68-80-302-10 •	68-80-302-20 •

Latch is shipped unassembled, one unit per package.

Installation and Operation

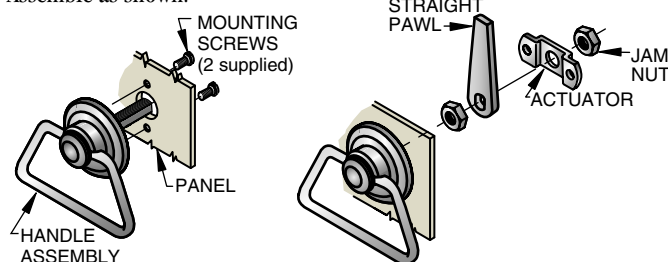
1. Prepare panel as shown.

Type "B" Operation
Turn bail handle counterclockwise to latch.



Type "A" Operation
Turn bail handle clockwise to latch.

2. Assemble as shown.



3. Adjust pawl to GRIP measurement. Use two wrenches to tighten.

Note: the handle is always perpendicular to the pawl.