



27 · 48 Compression Latches

Self-adjusting · Single hole mount

- Two sizes available
- Easy grip adjustment
- Multiple head styles

Material and Finish

Steel, zinc plated or stainless steel

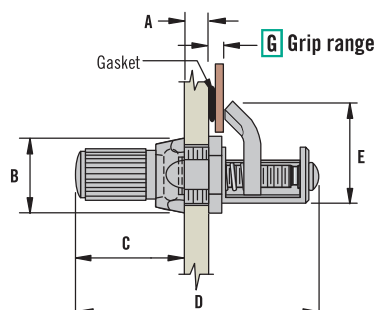
Performance Details

27: Maximum static load:

155 N (35 lbf)

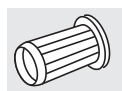
48: Maximum static load:

220 N (50 lbf)

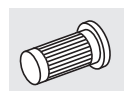


Size	A	B	C	D	E
27 Series Miniature	4.8 (.19) Maximum	10.3 (.41) Maximum	17.5 (.69) Maximum	31.8 (1.25)	13.9 (.55)
48 Series Small	4.8 (.19) Maximum	21 (.81) Maximum	19 (.75) Maximum	44 (1.73)	25.3 (.99)

Nylon knob



Knurled



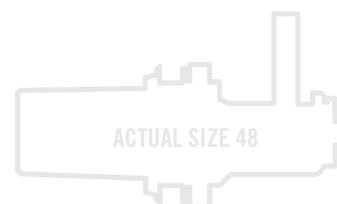
Slotted



Hex recess



Phillips recess



27 Series · Miniature

Material	Grip Range		Knurled	Slotted	Hex Recess	Nylon Knob
	Minimum	Maximum				
Steel	0.8 (.03)	7.1 (.28)	27-99-123-10 *	27-10-501-10 *	27-10-701-10 *	27-10-311-10 *
Stainless steel	0.8 (.03)	7.1 (.28)	27-99-123-20 *	27-10-501-20 *	27-10-701-20 *	27-10-311-20 *

* all part numbers shown are for clockwise rotation. For specification and ordering details visit: www.southco.com

48 Series · Small

Material	Grip Range		Nylon Knob	Slotted	Hex Recess	Phillips Recess
	Minimum	Maximum				
Steel	2.4 (.09)	9.5 (.38)	48-10-401-10	48-11-R	48-81-R	48-91-R
Steel	8.7 (.34)	15.9 (.63)	48-10-402-10	48-12-R	48-82-R	48-92-R
Steel	15.1 (.59)	22.2 (.88)	48-10-403-10	48-13-R	48-83-R	48-93-R

For specification and ordering details visit: www.southco.com

Other options available. For complete details on variety, part numbers, installation and specification, go to



www.southco.com/27
www.southco.com/48

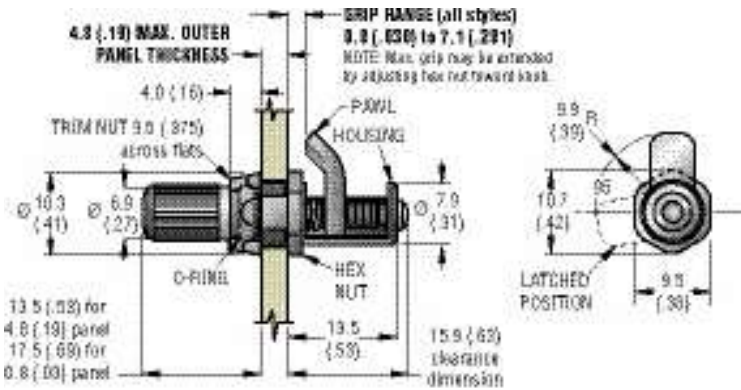
Dimensions in millimeters (inch) unless otherwise stated

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Southco® Compression Latches

Miniature Size

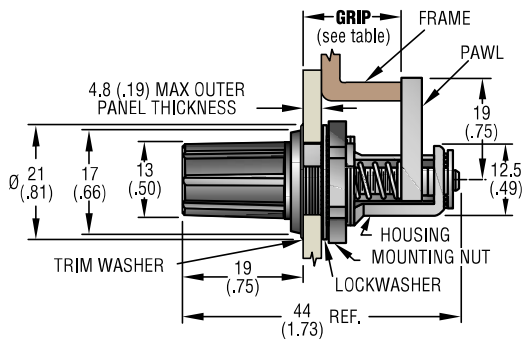
- Single-hole installation
- An extra turn adjusts the amount of compression applied
- Corrosion-resistant assemblies available
- Four access styles including hand- and tool-operated



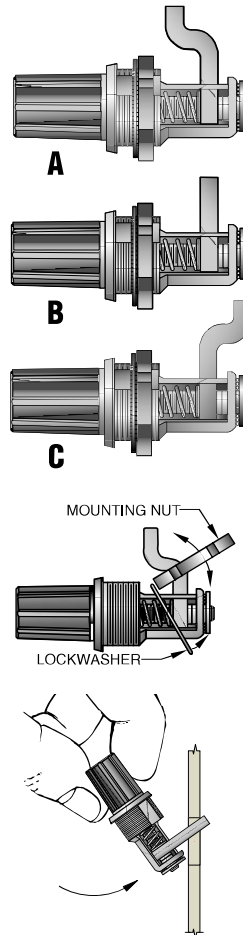
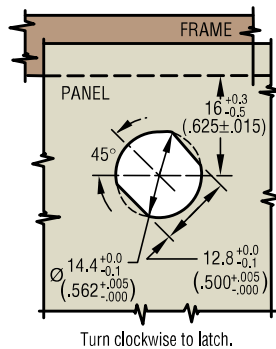
Southco® Compression Latches

Small Size

- Single-hole installation
- An extra turn adjusts the amount of compression applied
- Four access styles including hand- and tool-operated



Panel preparation



Material and Finish

SCREW: Low carbon steel.
HEX NUT: 12L14 Steel.
TRIM WASHER: Steel.
LOCKWASHER: Steel.
PAWL: 1010 Steel.
BUSHING: 12L14 Steel. The above components are zinc plate chromate plus sealer.
SPRING and SPRING WASHER: 17-7PH Stainless steel.
KNOB: Nylon, black.
HOUSING: Die-cast zinc, chemical protective film.

Installation

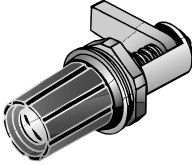
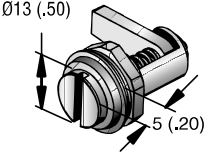
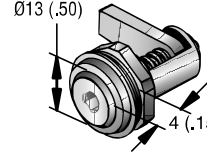
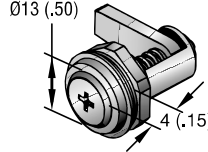
1. Prepare panel.
2. Rotate knob to run pawl to back of housing.
3. Remove mounting nut and lockwasher.
4. Insert latch into hole by hooking pawl through hole.
5. Replace lockwasher and mounting nut; tighten with wrench.

Product Strength Guidelines

(To assist in your product selection; samples are available for your evaluation.)
Maximum static load: 220 N (50 lbs.)
Average ultimate load: 445 N (100 lbs.)

Operating Temperature Range: -20°C (0°F) to 80°C (180°F)

Flammability Rating (KNOB): UL94 - V2

GRIP RANGE		PART NUMBERS				Pawl Position
		Knob Style	Slotted Head	Hex Socket	Phillips Recess	
MIN.	MAX.		slot width = 1.3 (.050) slot depth = 2 (.078) 	Hex Socket size is 4 mm (5/32) 	No. 2 size phillips recess 	
2.4 (.09)	9.5 (.38)	48-10-401-10 •	48-11-R •	48-81-R •	48-91-R •	A
8.7 (.34)	15.9 (.63)	48-10-402-10 •	48-12-R •	48-82-R •	48-92-R •	B
15.1 (.59)	22.2 (.88)	48-10-403-10 •	48-13-R •	48-83-R •	48-93-R •	C

millimeter (inch)
millimeter (inch)

Dimensions without tolerances are for reference only.