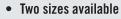


27 · 48 Compression Latches

Self-adjusting · Single hole mount





• Multiple head styles

Material and Finish

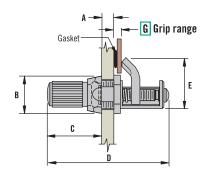
Steel, zinc plated or stainless steel

Performance Details

27: Maximum static load: 155 N (35 lbf)

48: Maximum static load:

220 N (50 lbf)



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

Nylon knob



Hex recess

Knurled

Slotted













27 Series · Miniature

Material	G Grip Range		Knurled	Slotted	Hex Recess	Nylon Knob	
	Minimum	Maximum	Midified	Siottou	HOX ROGGS	Nylon Khob	
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	G Grip Range		Nylon Knob	Slotted	Hex Recess	Phillips Recess	
	Minimum	Maximum	Nyion Knob	Siottou	HOX ROOGS	Timipa Rooss	
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



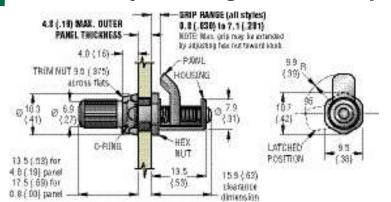
Other options available. For complete details on variety, part numbers, installation and

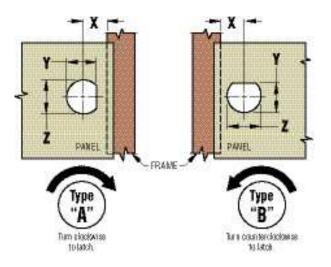


Southco® Compression Latches

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





X	6.4±0.7 (.250±.091)
Y	74 (1) (292 : 100)
z	@ 8.03±0.05 (316±.002)



Material and Finish

For steel assemblies:

HOUSING and TRIM NUT: Low carbon steel, zinc plate, chromate plus sealer or chrome plated. PAWL: 1010 Steel, zinc plate, chromate plus sealer. SCREW: 12L14 Steel, zinc plate, chromate plus sealer or chrome plated. BUSHING: Brass, natural. SPRING: 302 Stainless steel, passivated. HEX NUT: 303 Stainless steel, passivated. O-RING: Buna-N rubber. KNOB: Nylon, black.

For stainless steel assemblies:

HOUSING, SCREW and TRIM NUT: 303 Stainless steel, passivated or with black organic coating. BUSHING: Brass, natural. PAWL and SPRING: 302 Stainless steel, passivated. O-RING: Buna-N rubber. HEX NUT: 303 Stainless steel, passivated. KNOB: Nylon, black UL94-HB.

Installation

- 1. Install latch from back side of panel.
- 2. Slip trim nut over knob, slotted head or hex socket head and finger tighten against panel.
- 3. With pawl in latched position, tighten hex nut hard against back of panel with 3/8" end wrench.

For Black Nylon Knob style:

Be sure latch is properly attached and functioning then press knob onto knurled steel head of screw. Neither knob nor latch can be removed once knob is pressed into position.

Product Strength Guidelines

(To assist in your product selection; samples are available for your evaluation.) Maximum static load: 155 N (35 lbs.) Average ultimate load: 400 N (90 lbs.)

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

Flammability Rating (KNOB): UL94-HB

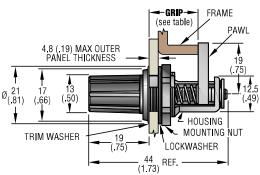
	PART NUMBERS							
	Black Nylon Knob		Knurled Steel or Stainless Steel Knob		Low-profile Slotted Head		Hex-socket Head	
Materlal and Finish	Ø 10.3 (.41) 11.5 (.45)				1.2 (.05) wide 1.2 (.04) deep SLOT 4.8 (.19) for 4.8 (.19) panel. 8.7 (.34) for 0.8 (.03) panel.		2 mm hex socket 5/64" hex key can also be used. 4.8 (.19) for 4.8 (.19) panel. 8.7 (.34) for 0.8 (.03) panel.	
	Type "A"	Type "B"	Type "A"	Type "B"	Type "A"	Type "B"	Type "A"	
Steel, zinc plated	27-10- 311-1 0 •	27-20- 311-1 0 •	27-99- 123-1 0 •	27-99- 126-1 0 •	27-10- 501-1 0 •	27-20- 501-1 0	27-10- 701-1 0	
Stainless steel, passivated	27-10- 311-2 0 •	27-20- 311-2 0 •	27-99- 123-2 0 •	27-99- 126-2 0 •	27-10- 501-2 0 •	27-20- 501-2 0 ●	27-10- 701-2 0 ●	
Steel, chrome plated	27-10- 311-3 0 •		27-99- 123-3 0 •		27-10- 501-3 0			
Stainless steel with black organic coating			27-99- 123-5 0 •	27-99- 126-5 0 •	27-10- 501-5 0 •	27-20 -501-5 0		

millimeter (inch)
millimeter
(inch)
Dimensions without tolerances are for reference only.

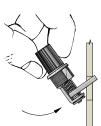
Southco® Compression Latches

Small Size

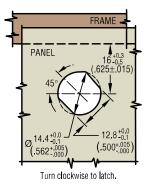
- Single-hole installation
- An extra turn adjusts the amount of compression applied
- Four access styles including hand- and tool-operated



MOUNTING NUT



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: Nvlon, 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

		PART NUMBERS							
		Knob Style	Slotted Head	Hex Socket	Phillips Recess]			
GRIP Range			slot width = 1.3 (.050) slot depth = 2 (.078) Ø13 (.50)	Hex Socket size is 4 mm (5/32)	No. 2 size phillips recess	Pawl Position			
MIN.	MAX.		5 (.20)	4 (.15)	4 (.15)				
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 •	В			
15.1 (.59)	22.2 (.88)	48-10-403-10 •	48-13-R •	48-83-R •	48-93-R •	C			

millimeter (inch) millimeter Dimensions without tolerances are for reference only.