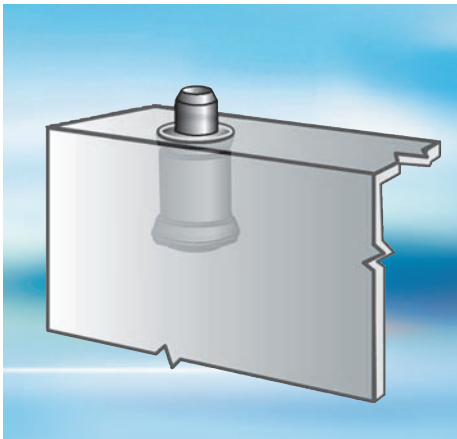
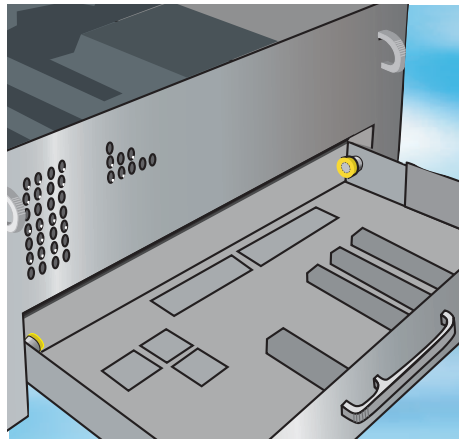


- Simplified positioning of sliding components
- Quick release hinge for removable door
- Quick installation and removal of components
- Designate touch points with color

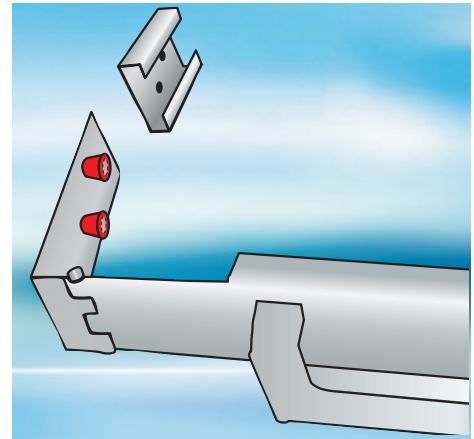
Applications



Retractable Hinge



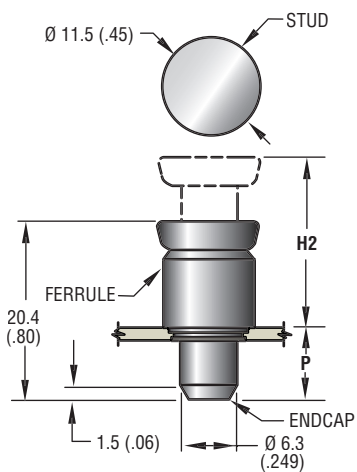
Positioning/Secondary Catch



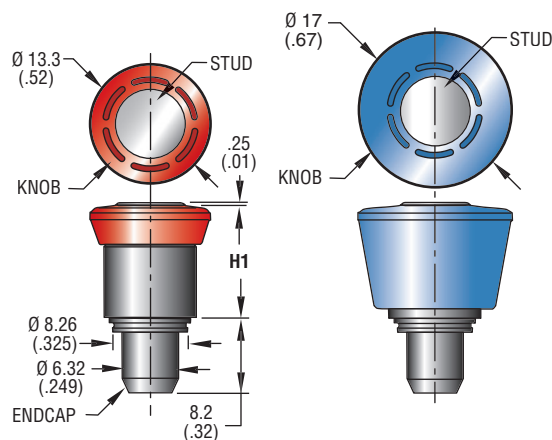
Quick Installation

Press-in

Bright



Prism



Material and Finish

STUD: Steel, zinc plate, chromate plus sealer
FERRULE and ENDCAP: Steel, case hardened, zinc plate, chromate plus sealer
KNOB: (Prism Plungers only) PC/ABS, black
SPRING: 300 series stainless steel, passivated

Product Strength Guidelines

(To assist in your product selection samples are available for your evaluation.)
Minimum ultimate shear load in hardened steel:
5400 N (1200 lbf.)

Download detailed product strength guidelines from
www.southco.com

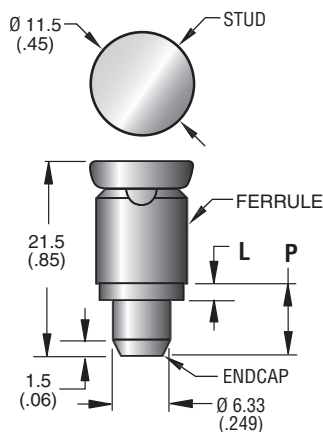
Panel Thickness		P	Knob Style	PART NUMBERS		H1 closed	H2 Open
MIN	MAX			Hold Open	Without Hold Open		
1.52 (0.06)	3.81 (0.15)	8.2 (0.32)	Bright	56-61-15	56-60-15	12.2 (.48)	19.3 (.76)
			Color- Small	56-161-000	56-160-000	13 (.51)	20 (.79)
			Color- Large	56-261-000	56-260-000	13 (.51)	20 (.79)

millimeter (inch)
millimeter
(inch)

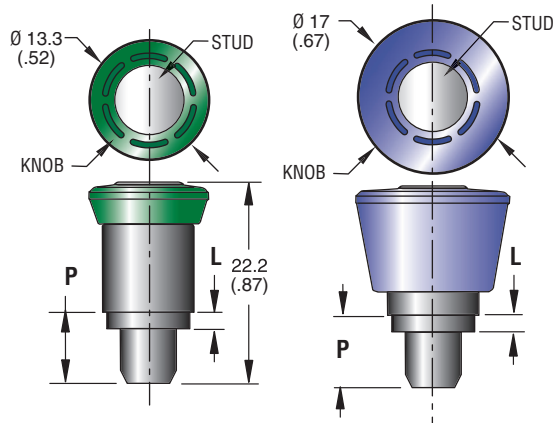
Dimensions without tolerances are for reference only.

Flare-in

Bright



Prism



Material and Finish

KNOB: (Prism Plungers only) PC/ABS, black
STUD: Steel, case hardened, zinc plate, chromate plus sealer
FERRULE: Aluminum, natural
ENDCAP: Steel, zinc plate, chromate plus sealer
SPRING: 300 series stainless steel, passivated

Product Strength Guidelines

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

Minimum ultimate shear load in hardened steel: 5400 N (1200 lbf.)

Download detailed product strength guidelines from www.southco.com

OUTER PANEL THICKNESS		P	Knob Style	PART NUMBERS		H1 Closed	H2 Open	B	L
				Hold Open	Without Hold Open				
1.52 (.06)	3.17 (.125)	7.9 (.31)	Bright	56-71-1-15	56-70-1-15	13.7 (.54)	19.8 (.78)	0.41 (.016)	1.78 (.07)
			Color- Small	56-171-1-000	56-170-1-000	14.5 (.57)	20.5 (.81)		
			Color- Large	56-271-1-000	56-270-1-000	14.5 (.57)	20.5 (.81)		
3.17 (.125)	4.7 (.185)	9.4 (.37)	Bright	56-71-2-15	56-70-2-15	12.2 (.48)	18.2 (.72)	1.52 (.06)	3.3 (.13)
			Color- Small	56-171-2-000	56-170-2-000	12.9 (.51)	19 (.75)		
			Color- Large	56-271-2-000	56-270-2-000	12.9 (.51)	19 (.75)		

Specifying Prism Plunger Colors

To indicate color in the Prism Plungers, change the last three digits of the part number.

Example:

56-160-000, black
56-160-013, red



000
Black
(shown in table)



008
Blue



012
Purple



013
Red



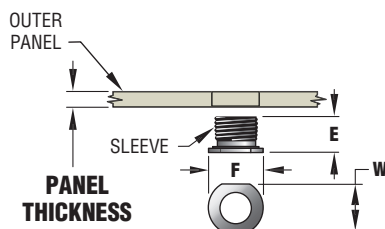
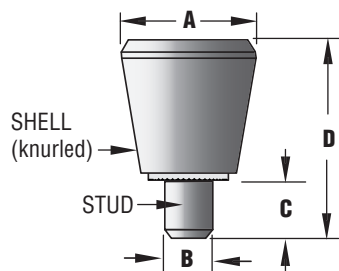
014
Green



Your Color
Contact
Southco

Thread-in

Bright



Material and Finish

KNOB: Aluminium STUD: Low carbon steel, case hardened, zinc plate, chromate plus sealer
SHELL and SLEEVE: Steel, zinc plate, chromate plus sealer
SPRING: Stainless steel, passivated
DETENT WASHER: Steel, DACROTIZED†
(Hold open only)

†Registered trademark of Metal Coatings International, Inc.

Product Strength Guidelines

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

Download detailed product strength guidelines from www.southco.com

SERIES	DIMENSIONS							PART NUMBERS	
	A	B	C	D	E	F	W	With hold-open feature	Without hold-open feature
300	13.5 (.53)	4.7 (.183)	6.5 (.25)	20 (.78)	6 (.22)	9 (.34)	7 (.28)	56-10-301-20 •	56-99-196-20 •
400	17.5 (.69)	6.3 (.245)	8 (.31)	26 (1.03)	7 (.28)	11.2 (.44)	9.4 (.37)	56-10-401-20 •	56-99-197-20 •

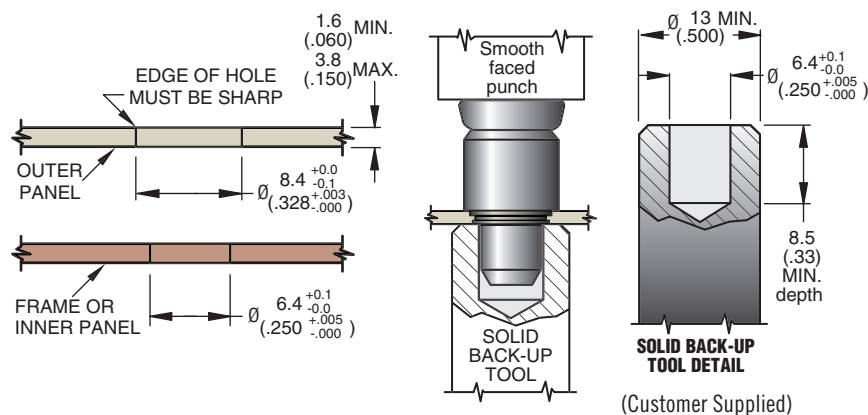
millimeter (inch)
millimeter
(inch)

Dimensions without tolerances are for reference only.

Installation

Press-in

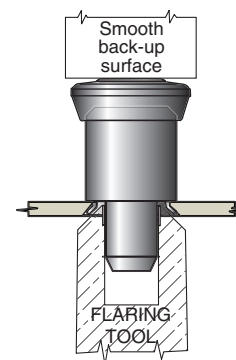
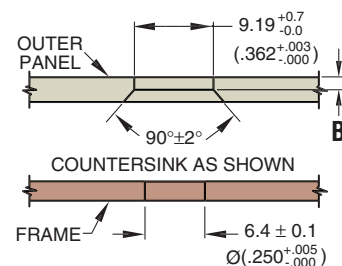
Press knob with approximately 13,400 N (3000 lbf.) for steel, 6700 N (1500 lbf.) for aluminum panels until ferrule sits flush with panel. A solid back-up tool must be used for proper installation.



NOTE: Recommended minimum distance from edge of panel to centerline of hole is 9.6 (.375).
For use in material hardnesses R_b70 or less, such as low carbon steels that are half hard or softer, stainless steel in the annealed condition and aluminum.

Flare-in

Press with approximately 2,500 N (562 lbf.) until ferrule is flared into the countersink in the panel. A solid back-up tool must be used for proper installation.

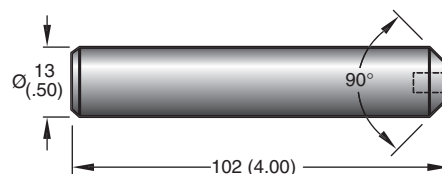


PART NUMBER

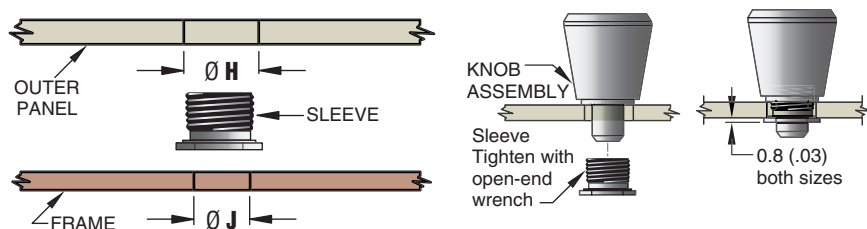
56-7-TOOL •

Punch Material and Finish

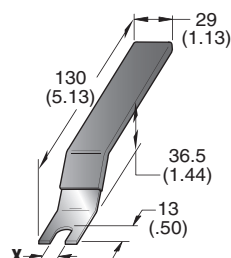
Hardened steel.



Thread-in



INSTALLATION TOOL



SERIES	INSTALLATION				Sleeve thread size	TOOL PART NUMBER	X (Tool)
	PANEL THICKNESS		Ø H (±.003)	Ø J +0.08 -0.03 (+.003/-0.001)			
	MIN.	MAX.					
300	0.64 (.025)	1.52 (.060)	7.14 (.281)	4.78 (.188)	M7 X 1	56-0-22041-03 •	7.1 (.28)
400	0.79 (.031)	3.18 (.125)	9.12 (.359)	6.35 (.250)	M9 X 1	56-0-22041-04 •	9.5 (.38)

millimeter (inch)

millimeter
(inch)

Dimensions without tolerances are for reference only.

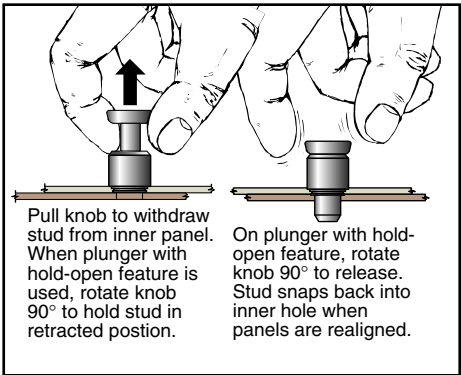
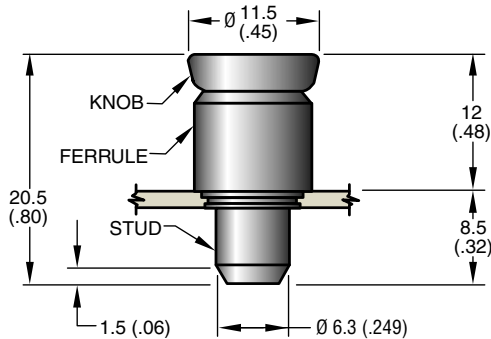
Southco® Captive Fasteners

Spring-loaded Plungers

- Provide quick release of sliding parts
- Act as locator or hinge pin for removable doors
- Hold-open feature available

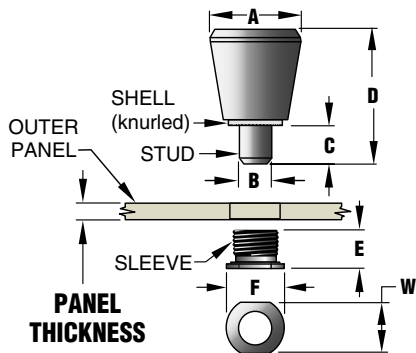
Press-in

NOTE: For use in material hardnesses R_B85 or less, such as low carbon steels that are half hard or softer, stainless steels in the annealed condition and aluminum.

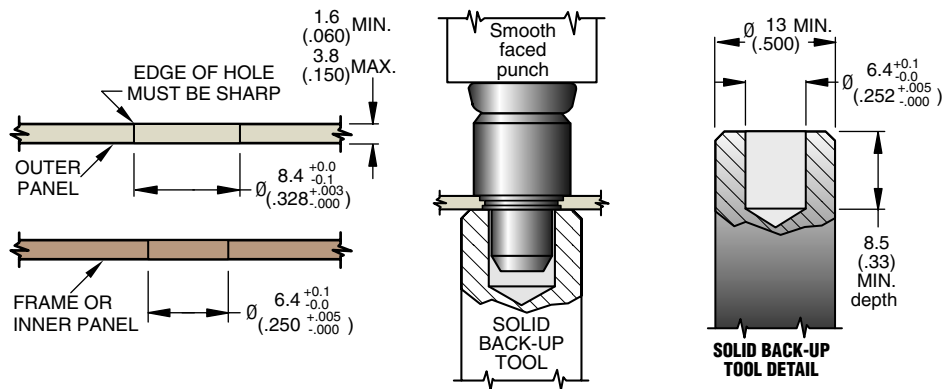


PART NUMBERS	
Without hold-open feature	With hold-open feature
56-60-15 •	56-61-15 •

Thread-in



DIMENSIONS							PART NUMBERS		INSTALLATION				Sleeve thread size	TOOL PART NUMBER	X (Tool)
A	B	C	D	E	F	W	With hold-open feature	Without hold-open feature	PANEL THICKNESS		Ø H ±0.08 (±.003)	Ø J +0.08 -0.03 (+.003 (-.001)			
									MIN.	MAX.					
13.5 (.53)	4.7 (.183)	6.5 (.25)	20 (.78)	6 (.22)	9 (.34)	7 (.28)	56-10-301-20 •	56-99-196-20 •	0.64 (.025)	1.52 (.060)	7.14 (.281)	4.78 (.188)	M7 X 1	56-0-22041-03 •	7.1 (.28)
17.5 (.69)	6.3 (.245)	8 (.31)	26 (1.03)	7 (.28)	11.2 (.44)	9.4 (.37)	56-10-401-20 •	56-99-197-20 •	0.79 (.031)	3.18 (.125)	9.12 (.359)	6.35 (.250)	M9 X 1	56-0-22041-04 •	9.5 (.38)



(Customer Supplied)

NOTE: Recommended minimum distance from edge of panel to centerline of hole is 9.6 (.375).

Installation

Press knob with approximately 13,400 N (3000 lbs.) for steel, 6700 N (1500 lbs.) for aluminum panels until ferrule sits flush with panel. A solid back-up tool must be used for proper installation.



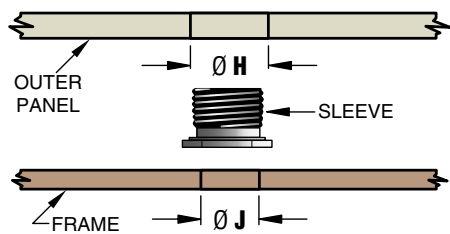
Material and Finish

(Press-in style)

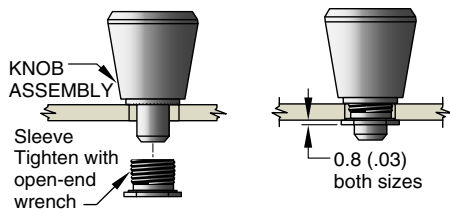
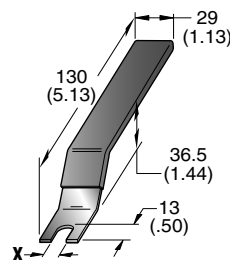
KNOB and FERRULE: Steel, case hardened, zinc plate plus sealer.

SPRING: Stainless steel, passivated.

STUD: Steel, zinc plate, plus sealer.



INSTALLATION TOOL



PLUNGER PART NUMBER	TOOL PART NUMBER	X
56-10-301-20		
56-99-196-20	56-0-22041-03 •	7.1 (.28)
56-10-401-20		
56-99-197-20	56-0-22041-04 •	9.5 (.38)



Material and Finish

(Thread-in style)

KNOB: Aluminum.

STUD: Low carbon steel, case hardened, zinc plate, chromate plus sealer.

SHELL and SLEEVE: 12L14 Steel, zinc plate, chromate plus sealer.

SPRING: Stainless steel, passivated.

DETENT WASHER: 1064 Steel, zinc immersion coating.

PRODUCT STRENGTH GUIDELINES (For All Styles) (To assist in your product selection; samples are available for your evaluation.)	
Panel Material	Working Shear load: N (lbs)
Steel	1800 (400)
Aluminum	1340 (300)

millimeter (inch)
millimeter
(inch)

Dimensions without tolerances are for reference only.