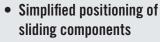


Lever Actuated · Press-in and Flare-in Styles · Small Size



- Quick-release lever for fast installation and removal of components
- Designate access with color

Material and Finish

Stud: Steel, hardened, zinc plated, chromate plus sealer
Ferrule: Steel, zinc plated, chromate plus sealer
Spring and Rivet: 300 series stainless steel, passivated
Lever: Glass-filled nylon,

UL94-V0 Rated

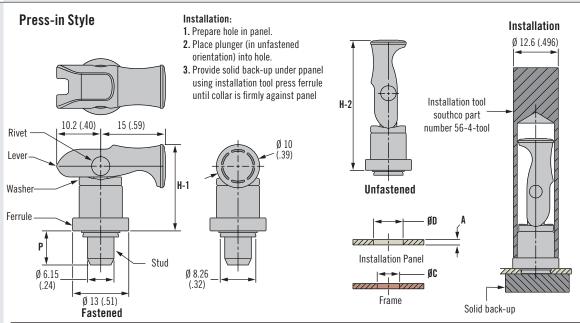
Washer: PC/ABS, UL94-V0 Rated

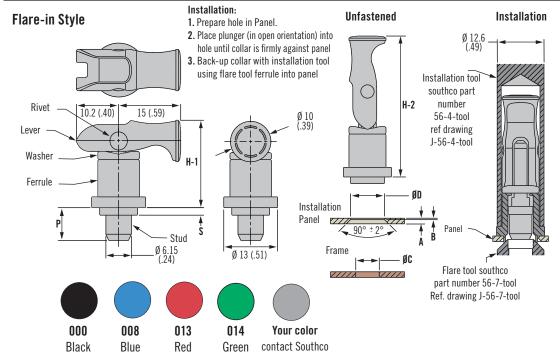
Part Number

See table

Specifying Prism Color

To indicate color, change the last three digits of the part number. Example: 56-461-000, black; 56-461-013, red





Outer	Panel					Part Number						
A Min.	A Max.	Р	В	S	Installation	Hold-Open	H-1	H-2	ØD	ØC		
1.52 (.06)	3.8 (.15)	8 (.31)	-	-	Press-in	56-461- 000	20 (.79)	36.7 (1.44)	8.33 ^{+0.07} _{-0.0} (.328 ^{+.003} ₀₀₀)			
1.52 (.06)	3.18 (.125)	8 (.31)	0.4 (.02)	1.8 (.07)	Flare-in	56-471-1- 000	21.1 (.83) 38.1 (1.5)		9.2 ^{+0.1} (.362 ^{+.004})	6.35 ^{+0.07} _{-0.0} (.250 ^{+.003} _{-0.00})		
3.18 (.125)	4.7 (.185)	9.5 (.37)	1.9 (.08)	3.3 (.13)	Flare-in	56-471-2- 000	19.6 (.77)	36.6 (.90)	(.302000)	(.230000)		
0.8 (.031)	3.2 (.125)	8.2 (.32)	-	-	Thread-in	56-481- 000	19.7 (.78)	36.7 (1.44)	9.12 ⁺⁰ _{-0.08} (.359 ⁺⁰ ₀₀₃)			

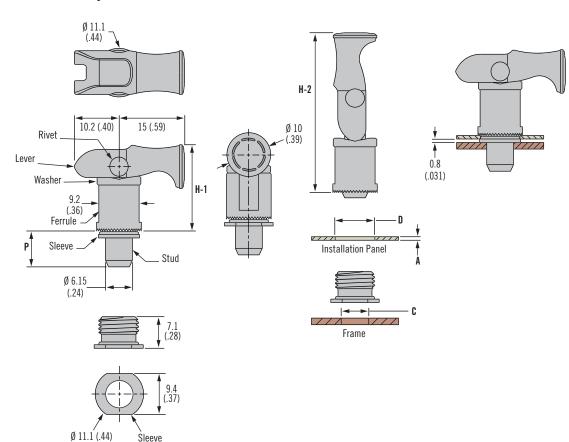


(shown in table)

Lever Actuated · Thread-in Style · Small Size



Thread-in Style

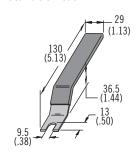


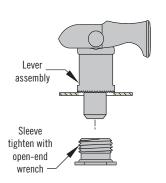
- Simplified positioning of sliding components
- Quick-release lever for fast installation and removal of components
- Designate access with color

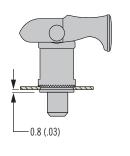
Material and Finish

Stud: Steel, hardened, zinc plated, chromate plus sealer
Ferrule and Sleeve: Steel, zinc
plated, chromate plus sealer
Spring and Rivet: 300 series
stainless steel, passivated
Lever: Glass-filled nylon,
UL94-V0 Rated
Washer: PC/ABS, UL94-V0 Rated

Installation tool







Tool Part Number 56-0-22041-04

Part Number

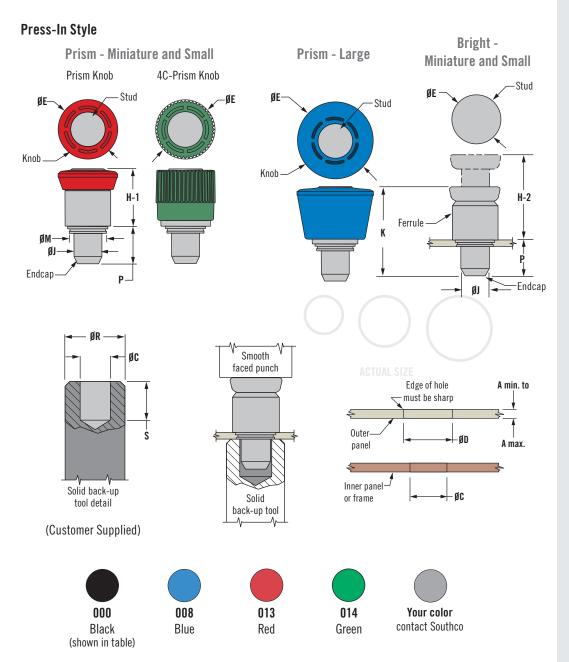
See table





Press-in style — Miniature, Small and Large





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

Material and Finish

End cap: Steel, zinc plated, chromate, plus sealer

Ferrule and stud: Steel, (Large and Small hardened), zinc plated, chromate plus sealer

Knob: (Prism plungers only) PC/ABS, black, UL94-V0 Rated

Spring: 300 series stainless steel, passivated

Installation Notes

Press knob with approximately 13,400 N (3000 lbf) (Large and Small), 8000 N (1800 lbf) (Mini) for steel, 6700 N (1500 lbf) (Large and Small), 5000 N (1124 lbf) (Mini) for aluminum panels until ferrule sits flush with panel. A solid back-up tool must be used for proper installation.

Part Number

See table

Specifying Prism Color

To indicate color, change the last three digits of the part number. Example:

56-161-000, black; 56-161-013, red

Outer Pane	Outer Panel Thickness		Size	Knob	Part Number		H-1	H-2	F	К	ØJ	ØM	Ø D	ØС	Ø R	S
A Min.	A Max.		OILU	Style	Hold-Open	Without					,,,	,	, ,	, o	<i>y</i>	
	1.5 (.06)	4.4 (.17)	Mini	Bright	56-11-15	56-10-15	9.2 (.36)	12.9 (.51)	8.5 (.33)	13.6 (.54)	4.29 (.169) MAX	6.6 (.26)	6.7 ^{+ 0.08} (.264 ^{+ .003})	4 0 +0 13	0 (25)	4.5.(10)
0.8 (.031)				Prism	56-111- 000	56-110- 000	9.9 (.39)	13.6 (.54)	9 (.35)	14.3 (.56)				4.3 ^{+ 0.13} (.169 ^{+ .005})	9 (.35) MIN	4.5 (.18) MIN
				4C-Prism	56-311- 000	56-310- 000	9.9 (.39)	13.6 (.54)	9 (.35)	14.3 (.56)						
	3.81 (.15)	8.2 (.32)		Bright	56-61-15	56-60-15	12.2 (.48)	19.3 (.76)	11.5 (.45)	20.4 (.80)	6.33 (.249)	8.26 (.325)			13 (.50) MIN	8.26 (.325) MIN
1.52 (.06)			Small	Prism	56-161- 000	56-160- 000	13 (.51)	20 (.79)	13.3 (.52)	21.1 (.83)			8.4 + 0.0	6.4+0.1		
				4C-Prism	56-361- 000	56-360-000	13(.51)	20 (.79)	13.3 (.52)	21.1 (.83)			(.328 + .000)	(.250000)		
			Large	Prism	56-261- 000	56-260- 000	13 (.51)	20 (.79)	17 (.67)	21.1 (.83)						







Thread-in style - Miniature, Small and Large

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

Material and Finish

Stud: Steel, hardened, zinc plated, chromate plus sealer

Ferrule and Sleeve: Steel, zinc plated, chromate plus sealer

Spring: 300 series stainless steel passivated

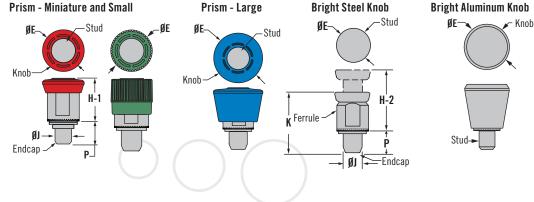
Prism Knob: PC/ABS, UL94-VO Rated End cap: Steel, zinc plated, chromate, plus sealer

(Aluminum knob plungers only) Detent washer: Steel, zinc plated (Hold-open only)

Part Number

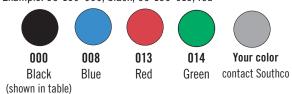
See table

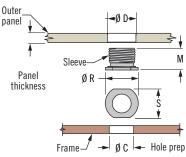
Thread-in Style



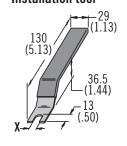
Specifying Prism Color

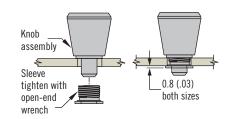
To indicate color, change the last three digits of the part number. Example: 56-130-000, black; 56-130-013, red





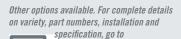
Installation tool





Size	X (Tool)	Tool Part Number					
Mini	7.1 (.28)	56-0-22041-03					
Small	9.5 (.38)	56-0-22041-04					
Large	9.0 (.38)	30-0-22041-04					

Outer	Outer Panel		Size	Knob	Knob Part N		H-1	H-2	ØE	К	ØJ	ØC	Ø D	M	ØR	c
Min.	Max.	Р	3126	Style	Hold-Open	Without	n-i	n-2	ŊΕ	, n	נע	уU	ט ע	IVI	אשן	3
				Bright	_	56-30-15	9.2 (.36)	12.9 (.51)	8.5 (.335)	13.6 (.54)	4.29 (.169) MAX	4.3 +0.08/-0.0 (.17 +.003000)	7.14 ±0.08 (.281 ±.003)	5.1 (.20)	9 (.35)	
0.8 (.031)	1.5 (.06)	4.4 (.17)	Mini	Prism	_	56-130- 000	9.9 (.39)	13.6 (.54)	9 (.354)	14.3 (.56)						(.28)
(.001)	(.00)	(.17)		4C-Prism	_	56-330- 000	9.9 (.39)	13.6 (.54)	10 (.354)	14.3 (.56)			(.201 2.000)			
			g Small	Bright	_	56-80-15	12.2 (.48)	20.4 (.80)	11.5 (.45)	20.3 (.80)	6.33 (.249)	6.35 + 0.08/-0.0 (.250 +.003/.000)	9.12 ±0.08 (.359 ± .003)	7.1 (.28)		
	3.2	6.9		Prism	_	56-180- 000	13 (.51)	21.1 (.83)	13.3 (.52)	21 (.83)					11.1	9.4
	(.13)	(.27)		4C-Prism	_	56-380- 000	13 (.51)	21.1 (.83)	13 (.51)	21 (.83)					(.44)	(.37)
			Large	Prism	_	56-280- 000	14.1 (.56)	21.1 (.83)	17 (.67)	21 (.83)						
0.64 (.025)	1.5 (.06)	6.4 (.17)	Small	Aluminum	56-10-301-20	56-99-196-20	13.4 (.53)	18.4 (.72)	13.5 (.53)	19.8 (.78)	4.7 (.183)	4.78 +0.08/-0.03 (.17 +.003000)	7.14 ±0.08 (.281 ±.003)	5.6 (.20)	9 (.35)	7 (.28)
0.8 (.031)	3.2 (.13)	7.9 (.31)	Large	Aluminum	56-10-401-20	56-99-197-20	18.3 (.72)	24.6 (.97)	17.5 (.69)	26.2 (1.03)	6.2 (.245)	6.35 + 0.08/-0.08 (.250 +.003/.000)	9 .12 ±0.08 (.359 ±.003)	7.1 (.28)	11.1 (.44)	9.4 (.37)



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CLIC



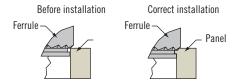
Installation Guidelines

for *SOUTHCO®* Self-Clinching products

Self-clinching product installation is offered on these SOUTHCO® products, making them easy-to-use captive panel fasteners:

- Captive Screws
- Receptacles for Quarter-turn Fasteners
- Receptacles for Fast-lead Thread Screws

When pressed into a properly prepared hole, self-clinching captive fasteners cold-flow (move) the panel material into the retaining groove of the fastener. This material then retains the fastener in the panel.



Successful press-in installations depend on:

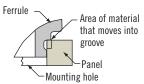
Material:

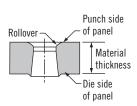
The hardness of the panel material must not exceed *SOUTHCO®* recommendations. If the panel is too hard, the fastener will not install correctly.

Installation Holes:

Mounting holes may be drilled, punched, or cast.

 Hole edge: the top hole edge must be sharp but with no broken edges.





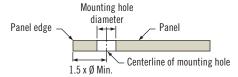
Do not chamfer or debur edge.

- Punched holes: use a punch and die with a small clearance to minimize the rollover and fracture angle.
- Hole diameter: measure the hole diameter at the panel surface on the side on which the fastener will be installed. The diameter must be within SOUTHCO® specifications for that product.
- If the hole is too large, not enough material will flow into the

retaining groove and the fastener may not be retained adequately.

- If the hole is too small, the fastener will not fit and installation may become difficult and unsafe.
- Hole distance from the edge of panel: the minimum recommended distance is 1.5 x the diameter of the mounting hole, unless otherwise indicated.

- Spring-loaded Plungers
- Captive Nuts
- Threaded Inserts
 - Installing too close to the edge will cause the material to flow in the opposite direction, deforming the edge of the panel. To install closer to the edge, you may need to restrain the panel edge.



Panel Thickness:

The thickness of the panel at the mounting hole location must meet or exceed Southco's stated minimum recommendations.

If the material is too thin, panel deformation and/or damage to the fastener may result.

Installation is fast and easy if you follow these tips:

How to install: Use the recommended force where noted and a proper back-up tool.

- use any parallel-acting press
- use a punch whose diameter is larger than the head of the fastener Installation Force: Proper installation requires an even distribution of adequate force. It does not depend on the distance the fastener is pressed into the panel.
 - Southco does not recommend using a hammer. The impact force does not provide an even distribution of force to allow the panel material to completely flow into the fastener's retaining groove.
 - Installation force varies from application to application, depending on the criteria noted above.
 - -On parts without a collar to provide a hard stop, press-in until the edge of the knurl is just barely visible.

When to Install:

The hole diameter must meet specifications before finish or plating is applied.

- Do not over-install parts. This interupts the material and will reduce the retention strength.

