



52 Overmold Captive Screws

Miniature series · Flare-in style

- Smaller footprint for limited space applications
- Heat treated steel screw for optimum strength
- Designate access points with color
- Color match captive screws to your industrial design

Material and Finish

Screw: Hardened carbon steel, zinc plated, chromate, plus sealer

Spring: 300 series stainless steel, passivated

Standoff: Aluminum natural

Knob: PC/ABS

Installation tool: Hardened carbon steel, zinc plated, chromate, plus sealer

Performance Details

Flamability Rating: UL94-V0

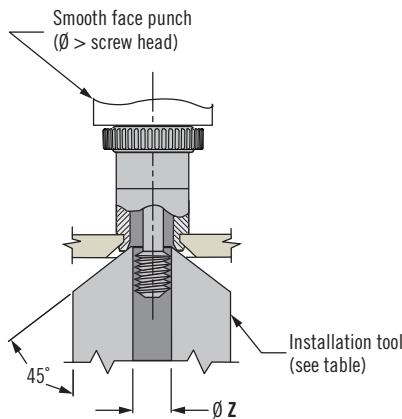
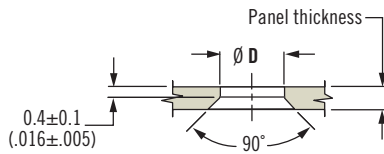
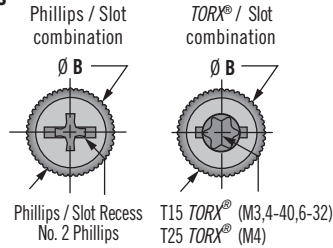
Installation Notes

1. Prepare panel as shown
2. Use light pressure to flare standoff, assuring parallel surfaces on the punch and installation tool

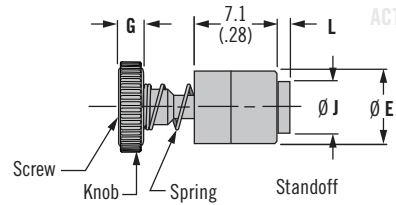
Part Number

See table

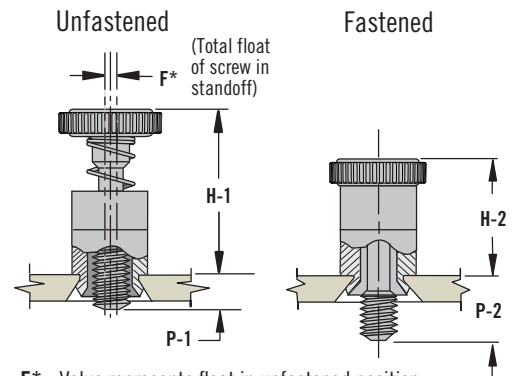
Recess Styles*



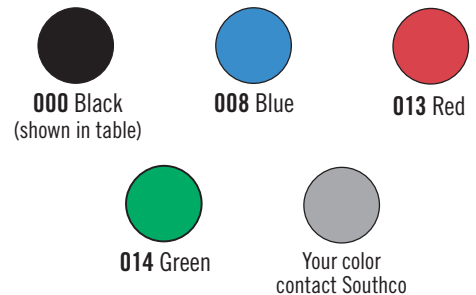
ACTUAL SIZE



Knob Height and Screw Projection



F* - Value represents float in unfastened position
Notes: P-1, P-2 measured from the top side of panel



Specifying Color: To indicate color, change the last three digits of the part number

Example: 52-11-11-4-000 Black, 52-11-11-4-013 Red

Thread Size	Panel Thickness		Part Number														Panel Preparation		Tool Part No.			
			Knurled Head				Smooth Head				B Knurled Head	B Smooth Head	Ø E	F	G	H-1	H-2	Ø J		L	P-1	P-2
	Min.	Max.	Phillips / Slotted	TORX® / Slotted	Phillips / Slotted	TORX® / Slotted																
4-40	0.8 (.031)	2.4 (.094)	52-11-11-4-000*	52-15-11-4-000*	52-13-11-4-000*	52-16-11-4-000*	8.1 (.32)	7.8 (.31)	6.2 (.245)	0.5 (.018)	2.5 (.1)	14 (.55)	9.6 (.38)	4.6 (.183)	1 (.041)	0.8 (.031)	5.3 (.21)	4.75 ^{+0.08} ₋₀ (.187 ^{+0.003} ₋₀)	3 (.120)			47-104
6-32	1.5 (.058)	3.2 (.125)	52-29-21-4-000	52-27-21-4-000	52-2A-21-4-000	52-28-21-4-000	8.8 (.35)	8.5 (.33)	7 (.28)	0.7 (.028)	2.5 (.1)	15 (.59)	9.6 (.38)	5.3 (.209)	1.8 (.07)	1.8 (.07)	6.8 (.27)	5.41 ^{+0.08} ₋₀ (.213 ^{+0.003} ₋₀)	3.6 (.141)			47-106
M3 x 0.5	0.8 (.031)	2.4 (.094)	52-31-11-4-000*	52-35-11-4-000*	52-33-11-4-000*	52-36-11-4-000*	8.1 (.32)	7.8 (.31)	6.2 (.245)	0.6 (.023)	2.5 (.1)	14 (.55)	9.6 (.38)	4.6 (.183)	1 (.041)	0.8 (.031)	5.3 (.21)	4.75 ^{+0.08} ₋₀ (.187 ^{+0.003} ₋₀)	3 (.120)			47-104
M4 x 0.7	1.5 (.058)	3.2 (.125)	52-49-21-4-000	52-45-21-4-000*	52-4A-21-4-000	52-46-21-4-000*	10.3 (.41)	10 (.39)	8.7 (.34)	0.7 (.028)	3 (.12)	15.2 (.60)	10 (.40)	6.7 (.26)	1.8 (.07)	1.8 (.07)	6.8 (.27)	6.76 ^{+0.1} ₋₀ (.266 ^{+0.005} ₋₀)	4.2 (.166)			47-108

*Part Numbers not available with combination head styles; Phillips or TORX® only

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Dimensions in millimeters (inch) unless otherwise stated



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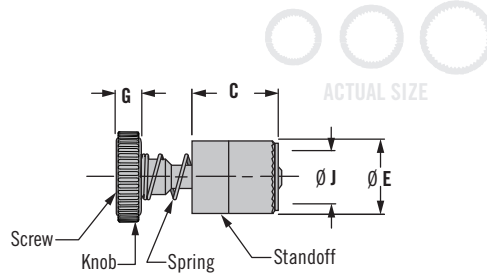
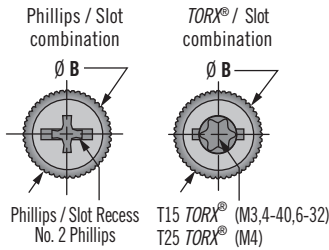


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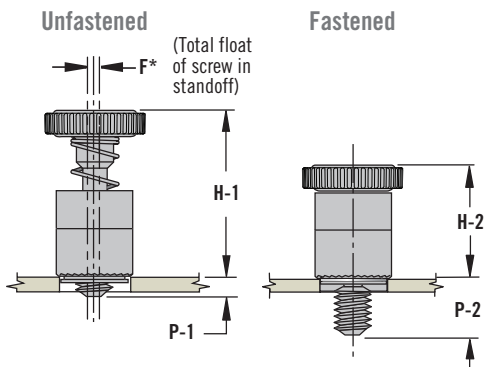
Miniature series · Press-in style



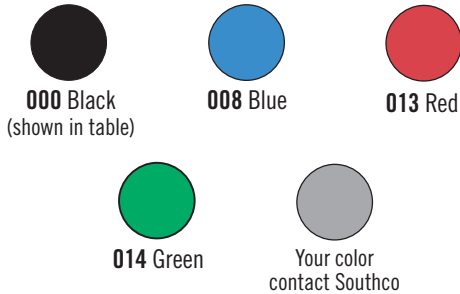
Recess Styles*



Knob Height and Screw Projection

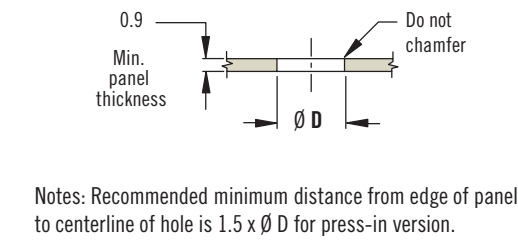


F* Value represents float in unfastened position
Notes: P-1, P-2 measured from the top side of panel

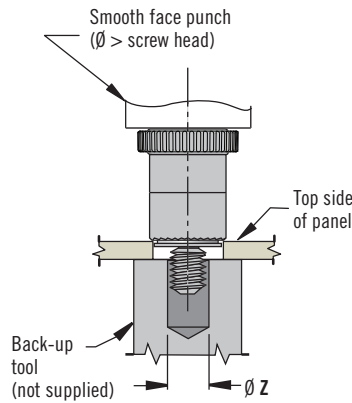


Specifying Color: To indicate color, change the last three digits of the part number

Example: 52-11-11-4-000 Black, 52-11-11-4-013 Red



Notes: Recommended minimum distance from edge of panel to centerline of hole is 1.5 x Ø D for press-in version.



- Smaller footprint for limited space applications
- Heat treated steel screw for optimum strength
- Designate access points with color
- Color match captive screws to your industrial design

Material and Finish

Screw: Hardened carbon steel, zinc plated, chromate, plus sealer

Spring: 300 series stainless steel, passivated

Standoff: Carbon steel, zinc plated, chromate, plus sealer

Knob: PC/ABS

Performance Details

Flamability Rating: UL94-V0

Installation Notes

For use in most aluminum or in low carbon steels that are 1/4 hard or softer. Visit www.southco.com for more information.

Part Number

See table

Visit www.southco.com for additional installation guidelines

Thread Size	Part Number				B Knurled Head	B Smooth Head	C	Ø E	F*	G	H-1	H-2	Ø J	P-1	P-2	Panel Preparation	
	Knurled Head		Smooth Head													Ø D	Ø Z
	Phillips / Slotted	TORX® / Slotted	Phillips / Slotted	TORX® / Slotted													
4-40	52-11-51-4-000*	52-15-51-4-000*	52-13-51-4-000*	52-16-51-4-000*	8.1 (.32)	7.8 (.31)	7.9 (.31)	6.4 (.25)	0.5 (.018)	2.5 (.1)	14 (.55)	9.6 (.38)	5.5 (.217)	0.9 (.036) 2.5 (.1)	5.3 (.21) 6.8 (.27)	5.56 ^{+0.08} ₋₀ (.219 ^{+0.03} _{-0.003})	3 (.120)
	52-11-53-4-000*	52-15-53-4-000*	52-13-53-4-000*	52-16-53-4-000*													
6-32	52-29-51-4-000	52-27-51-4-000	52-2A-51-4-000	52-28-51-4-000	8.8 (.35)	8.5 (.33)	8.6 (.34)	7 (.28)	0.7 (.028)	2.5 (.1)	15.5 (.61)	10.4 (.41)	6.3 (.247)	0.9 (.036) 2.5 (.1)	6.1 (.24) 7.6 (.30)	6.35 ^{+0.03} _{-0.00} (.250 ^{+0.03} _{-0.003})	3.7 (.144)
	52-29-53-4-000	52-27-53-4-000	52-2A-53-4-000	52-28-53-4-000													
M3 X 0.5	52-31-51-4-000*	52-35-51-4-000*	52-33-51-4-000*	52-36-51-4-000*	8.1 (.32)	7.8 (.31)	7.9 (.31)	6.4 (.25)	0.6 (.023)	2.5 (.1)	14 (.55)	9.6 (.38)	5.5 (.217)	0.9 (.036) 2.5 (.1)	5.3 (.21) 6.8 (.27)	5.56 ^{+0.08} ₋₀ (.219 ^{+0.03} _{-0.003})	3.2 (.126)
	52-31-53-4-000*	52-35-53-4-000*	52-33-53-4-000*	52-36-53-4-000*													
M4 X 0.7	52-49-51-4-000	52-45-51-4-000*	52-4A-51-4-000	52-46-51-4-000*	10.3 (.41)	10 (.39)	8.6 (.34)	8.7 (.34)	0.7 (.028)	3 (.12)	16 (.63)	10.8 (.43)	7.9 (.31)	0.9 (.036) 2.5 (.1)	6.1 (.24) 7.7 (.30)	8 ⁺⁰ (.315 ⁺⁰ _{-0.03})	4.4 (.173)
	52-49-53-4-000	52-45-53-4-000*	52-4A-53-4-000	52-46-53-4-000*													

Note: *Part Numbers not available with combination head styles; Phillips or TORX® only

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Dimensions in millimeters (inch) unless otherwise stated



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- Low profile for limited space application
- Heat treated steel screw for optimum strength
- Designate access points with color
- Color match captive screws to your industrial design

Material and Finish

Screw: Hardened carbon steel, zinc plated, chromate, plus sealer

Spring: 300 series stainless steel, passivated

Standoff: Carbon steel, zinc plated, chromate, plus sealer

Prism: PC/ABS

Performance Details

Flamability Rating: UL94-V0

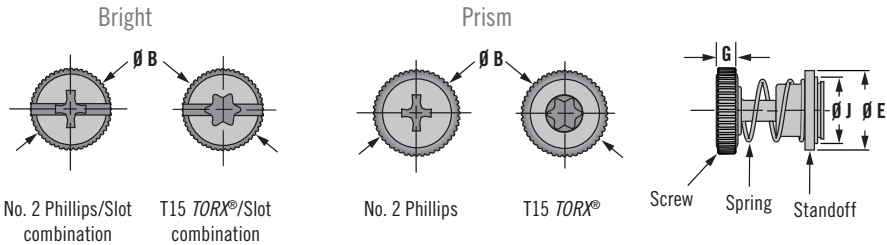
Installation Notes

For use in most aluminum or low carbon steels that are 1/4 hard or softer. Visit www.southco.com for more information.

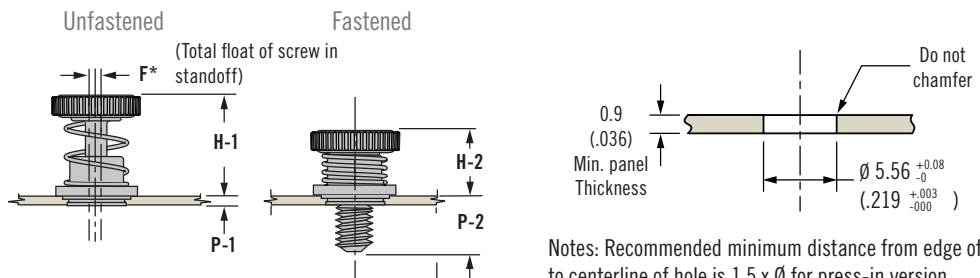
Part Number

See table

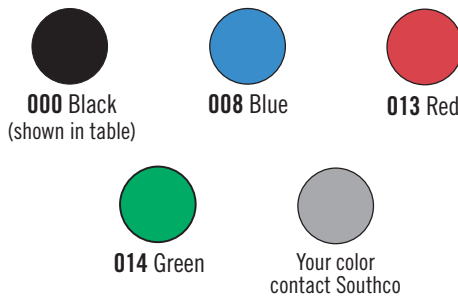
Recess Styles



Knob Height and Screw Projection

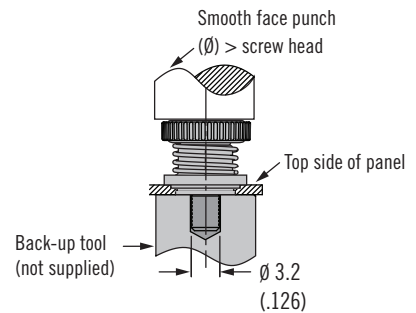


F* - Value represents float in unfastened position
Notes: P-1, P-2 measured from the top side of panel



Specifying Color: To indicate color, change the last three digits of the part number
Example: 52-A11-51-4-000 Black, 52-A11-51-4-013 Red

Notes: Recommended minimum distance from edge of panel to centerline of hole is 1.5 x Ø for press-in version.



Visit www.southco.com for additional installation guidelines

Color/ Appearance	Thread Size	Part Number						H-1	H-2	P-1	P-2	Ø J	Ø E	G	F*
		Knurled Head			Smooth Head										
		Phillips / Slotted	TORX®/ Slotted	Ø B	Phillips / Slotted	TORX®/ Slotted	Ø B								
Bright	4-40	52-A19-51-4	52-A17-51-4	7	52-A1A-51-4	52-A18-51-4	6.75	9	6	0.9	3.9	6.35	7.6	1.7	0.5
	M3 x 0.5	52-A39-51-4	52-A37-51-4	(.28)	52-A3A-51-4	52-A38-51-4	(.27)	(.36)	(.24)	(.04)	(.17)	(.25)	(.3)	(.07)	(.02)
		Phillips	TORX®	Ø B	Phillips	TORX®	Ø B								
Prism (black shown)	4-40	52-A11-51-4-000	52-A15-51-4-000	8.1	52-A13-51-4-000	52-A16-51-4-000	7.8	9.5	6.2	0.9	3.9	6.35	7.6	2.2	0.5
	M3 x 0.5	52-A31-51-4-000	52-A35-51-4-000	(.32)	52-A33-51-4-000	52-A36-51-4-000	(.31)	(.37)	(.26)	(.04)	(.17)	(.25)	(.3)	(.09)	(.02)

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