



47 Captive Screws

Restricted access series · M4 and M5 thread size

- Reduces risk of unauthorized access
- Meets UL-1950, IEC 950 and EN-60950
- Hand operation with tool-only removal

Material and Finish

Ferrule:

Press-in: Hardened carbon steel, zinc plate, chromate, plus sealer
 Flare-in and Floating: Aluminum, natural

Knob: Aluminum, natural or black organic coating

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

Installation Notes

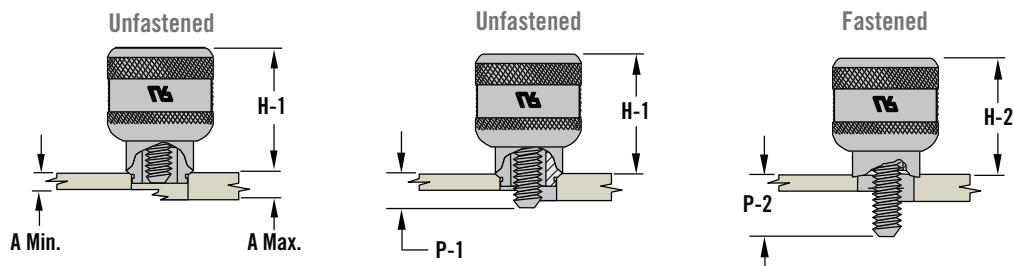
See pages 392 - 393, 497

Recess Styles

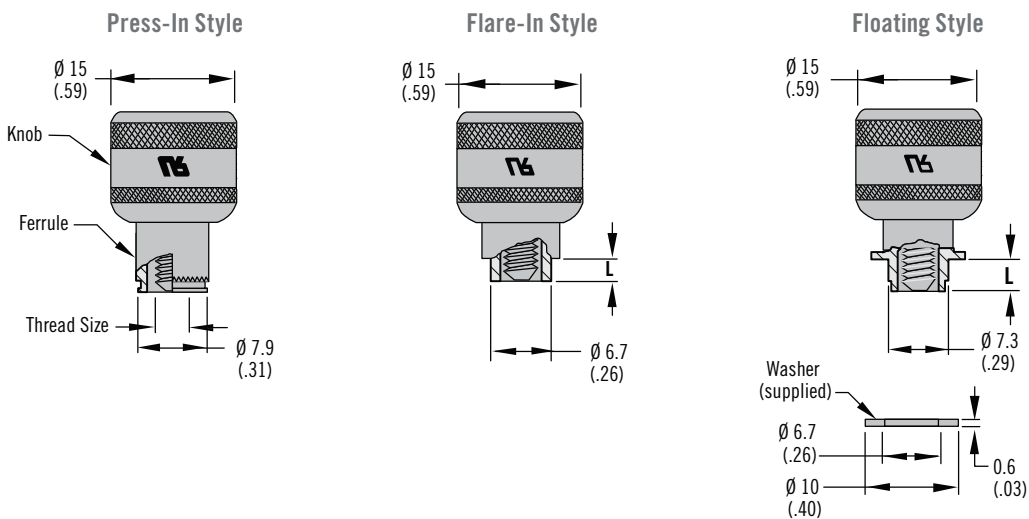


Knob Height and Screw Projection

(Press-in style shown)



Installation Styles



TORX is a registered trademark of Acument™ Intellectual Properties, LLC

Dimensions in millimeters (inch) unless otherwise stated

M4 Thread Size

Installation Style	Knob Height		Outer Panel Dimensions		Dimension B*	Flange Length L	Screw Projection Beyond Outer Surface of Panel		Part Number		
	H-1	H-2	A Min.	A Max.			P-1	P-2	Slotted Recess	Phillips Recess	TORX® Recess
Press-In Style	18.5 (.73)	14 (.55)	0.9 (.036)	~	~	~	0.7 (.03)	5.6 (.22)	47-90-301-22	47-90-321-22	47-90-341-22
							2.3 (.09)	7.2 (.28)	47-91-301-22	47-91-321-22	47-91-341-22
							3.8 (.15)	8.7 (.34)	47-92-301-22	47-92-321-22	47-92-341-22
							5.4 (.21)	10.3 (.41)	47-93-301-22	47-93-321-22	47-93-341-22
Flare-In Style	18 (.70)	13 (.51)	1.5 (.058)	3.2 (.125)	0.6 (.023)	1.8 (.07)	1.4 (.06)	6.2 (.24)	47-80-302-22	47-80-322-22	47-80-342-22
			3.2 (.125)	4.8 (.188)	1.6 (.062)	3.4 (.14)	3.1 (.12)	7.9 (.31)	47-80-304-22	47-80-324-22	47-80-344-22
			1.5 (.058)	3.2 (.125)	0.6 (.023)	1.8 (.07)	3.1 (.12)	7.9 (.31)	47-81-302-22	47-81-322-22	47-81-342-22
							4.1 (.16)	8.9 (.35)	47-82-302-22	47-82-322-22	47-82-342-22
							6.1 (.24)	10.9 (.43)	47-83-302-22	47-83-322-22	47-83-342-22
							2.4 (.09)	7.2 (.28)	47-80-310-22	47-80-330-22	47-80-350-22
Floating Style	18 (.70)	14 (.55)	0.1 (.001)	0.8 (.031)	2.3 (.09)	3.2 (.13)	3.4 (.13)	8.2 (.32)	47-81-310-22	47-81-330-22	47-81-350-22
							5.4 (.21)	10.2 (.40)	47-82-310-22	47-82-330-22	47-82-350-22
			0.8 (.031)	1.6 (.063)	3.1 (.12)	4 (.16)	2.4 (.09)	7.2 (.22)	47-80-311-22	47-80-331-22	47-80-351-22
							3.4 (.13)	8.2 (.32)	47-81-311-22	47-81-331-22	47-81-351-22
							5.4 (.21)	10.2 (.40)	47-82-311-22	47-82-331-22	47-82-351-22
							2.4 (.09)	7.2 (.28)	47-80-501-22	47-80-521-22	47-80-541-22

M5 Thread Size

Press-In Style	18.5 (.73)	14 (.55)	0.9 (.036)	~	~	~	0.7 (.03)	5.6 (.22)	47-90-501-22	47-90-521-22	47-90-541-22
							2.3 (.09)	7.2 (.28)	47-91-501-22	47-91-521-22	47-91-541-22
							3.8 (.15)	8.7 (.34)	47-92-501-22	47-92-521-22	47-92-541-22
							5.4 (.21)	10.3 (.41)	47-93-501-22	47-93-521-22	47-93-541-22
Flare-In Style	18 (.70)	13 (.51)	1.5 (.058)	3.2 (.125)	0.6 (.023)	1.8 (.07)	1.4 (.06)	6.2 (.24)	47-80-502-22	47-80-522-22	47-80-542-22
			3.2 (.125)	4.8 (.188)	1.6 (.062)	3.4 (.14)	3.1 (.12)	7.9 (.31)	47-80-504-22	47-80-524-22	47-80-544-22
			1.5 (.058)	3.2 (.125)	0.6 (.023)	1.8 (.07)	3.1 (.12)	7.9 (.31)	47-81-502-22	47-81-522-22	47-81-542-22
							4.1 (.16)	8.9 (.35)	47-82-502-22	47-82-522-22	47-82-542-22
							6.1 (.24)	10.9 (.43)	47-83-502-22	47-83-522-22	47-83-542-22
							4.1 (.16)	8.9 (.35)	47-81-504-22	47-81-524-22	47-81-544-22
Floating Style	18 (.70)	14 (.55)	0.1 (.001)	0.8 (.031)	2.3 (.09)	3.2 (.13)	2.4 (.09)	7.2 (.28)	47-80-510-22	47-80-530-22	47-80-550-22
							3.4 (.13)	8.2 (.32)	47-81-510-22	47-81-530-22	47-81-550-22
			0.8 (.031)	1.6 (.063)	3.1 (.12)	4 (.16)	5.4 (.21)	10.2 (.40)	47-82-510-22	47-82-530-22	47-82-550-22
							2.4 (.09)	7.2 (.28)	47-80-511-22	47-80-531-22	47-80-551-22
							3.4 (.13)	8.2 (.32)	47-81-511-22	47-81-531-22	47-81-551-22
							5.4 (.21)	10.4 (.40)	47-82-511-22	47-82-531-22	47-82-551-22
1.6 (.063)	2.4 (.094)	3.9 (.15)	4.8 (.19)	3.4 (.15)	8.2 (.35)	47-80-512-22	47-80-532-22	47-80-552-22			
				5.4 (.21)	10.2 (.40)	47-81-512-22	47-81-532-22	47-81-552-22			

Part numbers in shaded rows (shown in table) are fully retracting in minimum panel thickness



To add a black finish, change the part number from the table as shown:

Change 2 to 6: 47-80-102-22
47-80-102-62

Part Number

See table

All screw part numbers shown in table are for a natural finish

For black finish minimums may apply



47 Captive Screws

Restricted access series · 6-32 and 10-32 thread size

- Reduces risk of unauthorized access
- Meets UL-1950, IEC 950 and EN-60950
- Hand operation with tool-only removal

Material and Finish

Ferrule:

Press-in: Hardened carbon steel, zinc plate, chromate, plus sealer
Flare-in and Floating: Aluminum, natural

Knob: Aluminum, natural or black organic coating

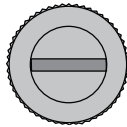
Screw: Hardened carbon steel, zinc plate, chromate, plus sealer

Installation Notes

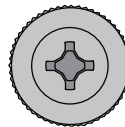
See pages 392 - 393, 497

Recess Styles

Slotted

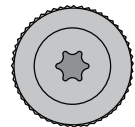


No. 2 Phillips



T 15 TORX® - 6-32

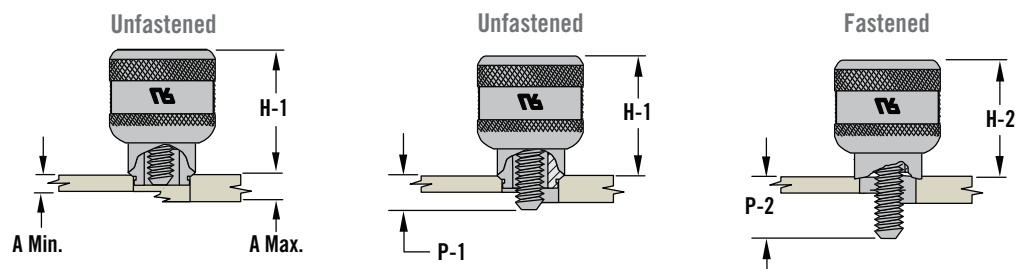
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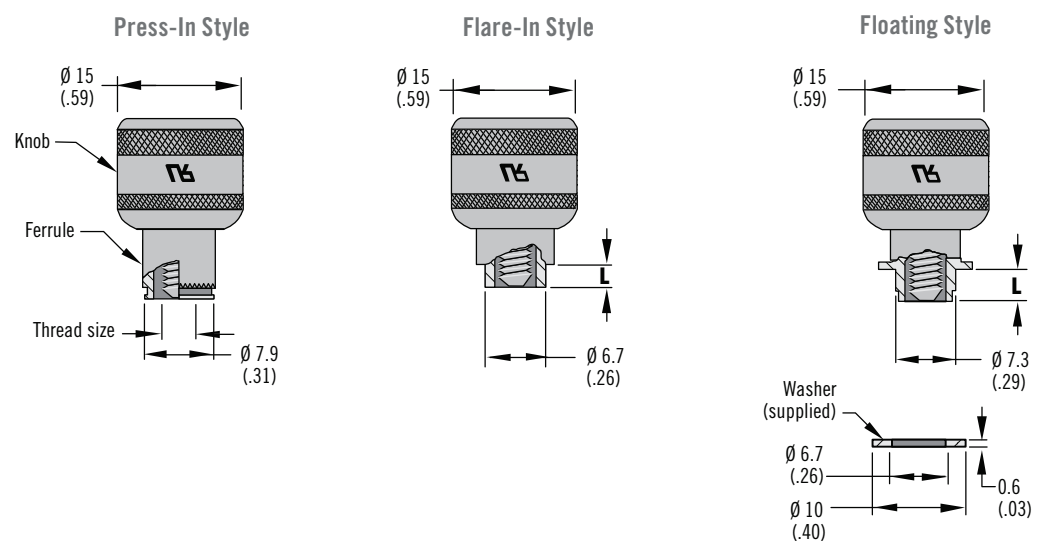
ACTUAL
SIZE

Knob Height and Screw Projection

(Press-in style shown)



Installation Styles



TORX is a registered trademark of Acument™ Intellectual Properties, LLC

Dimensions in millimeters (inch) unless otherwise stated



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CONNECT · CREATE · INNOVATE

6-32 Thread Size

Installation Style	Knob Height†		Outer Panel Dimensions		Dimension B*	Flange Length L	Screw Projection Beyond Outer Surface Of Panel		Part Number		
	H-1	H-2	A Min.	A Max.			P-1	P-2	Slotted Recess	Phillips Recess	TORX® Recess
Press-In Style	18.5 (.73)	14 (.54)	0.9 (.036)	~	~	~	0.5 (.02)	5.3 (.21)	47-60-201-22	47-60-221-22	47-60-241-22
							2.3 (.09)	6.9 (.27)	47-61-201-22	47-61-221-22	47-61-241-22
							3.8 (.15)	8.3 (.33)	47-62-201-22	47-62-221-22	47-62-241-22
							5.3 (.21)	10.1 (.41)	47-63-201-22	47-63-221-22	47-63-241-22
Flare-In Style	18 (.70)	13 (.51)	1.5 (.058)	3.2 (.125)	0.6 (.023)	1.8 (.07)	1.4 (.06)	6.2 (.24)	47-10-202-22	47-10-222-22	47-10-242-22
			3.2 (.125)	4.8 (.189)	1.6 (.062)	3.4 (.14)	3.1 (.12)	7.9 (.31)	47-10-204-22	47-10-224-22	47-10-244-22
			1.5 (.058)	3.2 (.125)	0.6 (.023)	1.8 (.07)	3.1 (.12)	7.9 (.31)	47-11-202-22	47-11-222-22	47-11-242-22
			4.1 (.16)	8.9 (.35)	47-12-202-22	47-12-222-22	47-12-242-22				
			6.1 (.24)	10.9 (.43)	47-13-202-22	47-13-222-22	47-13-242-22				
			4.1 (.16)	8.9 (.35)	47-11-204-22	47-11-224-22	47-11-244-22				
			6.1 (.24)	10.9 (.43)	47-12-204-22	47-12-224-22	47-12-244-22				
			3.2 (.125)	4.8 (.189)	1.6 (.062)	3.4 (.14)	4.1 (.16)	8.9 (.35)	47-10-210-22	47-10-230-22	47-10-250-22
Floating Style	18 (.70)	14 (.54)	0.1 (.001)	0.8 (.031)	2.3 (.09)	3.2 (.13)	2.4 (.09)	7.2 (.28)	47-10-210-22	47-10-230-22	47-10-250-22
							3.4 (.13)	8.2 (.32)	47-11-210-22	47-11-230-22	47-11-250-22
							5.4 (.21)	10.2 (.40)	47-12-210-22	47-12-230-22	47-12-250-22
							2.4 (.09)	7.2 (.22)	47-10-211-22	47-10-231-22	47-10-251-22
			3.4 (.13)	8.2 (.32)	47-11-211-22	47-11-231-22	47-11-251-22				
			5.4 (.21)	10.2 (.40)	47-12-211-22	47-12-231-22	47-12-251-22				
			3.4 (.13)	8.2 (.32)	47-10-212-22	47-10-232-22	47-10-252-22				
			5.4 (.21)	10.2 (.40)	47-11-212-22	47-11-232-22	47-11-252-22				

10-32 Thread Size

Press-In Style	18.5 (.73)	14 (.54)	0.9 (.036)	~	~	~	0.7 (.03)	5.6 (.22)	47-60-501-22	47-60-521-22	47-60-541-22
							2.3 (.09)	7.2 (.28)	47-61-501-22	47-61-521-22	47-61-541-22
							3.8 (.15)	8.7 (.34)	47-62-501-22	47-62-521-22	47-62-541-22
							5.4 (.21)	10.3 (.41)	47-63-501-22	47-63-521-22	47-63-541-22
Flare-In Style	18 (.70)	13 (.51)	1.5 (.058)	3.2 (.125)	0.6 (.023)	1.8 (.07)	1.4 (.06)	6.2 (.24)	47-10-502-22	47-10-522-22	47-10-542-22
			3.2 (.125)	4.8 (.189)	1.6 (.062)	3.4 (.14)	3.1 (.12)	7.9 (.31)	47-10-504-22	47-10-524-22	47-10-544-22
			1.5 (.058)	3.2 (.125)	0.6 (.023)	1.8 (.07)	3.1 (.12)	7.9 (.31)	47-11-502-22	47-11-522-22	47-11-542-22
			4.1 (.16)	8.9 (.35)	47-12-502-22	47-12-522-22	47-12-542-22				
			6.1 (.24)	10.9 (.43)	47-13-502-22	47-13-522-22	47-13-542-22				
			4.1 (.16)	8.9 (.35)	47-11-504-22	47-11-524-22	47-11-544-22				
			6.1 (.24)	10.9 (.43)	47-12-504-22	47-12-524-22	47-12-544-22				
			Floating Style	18 (.70)	14 (.54)	0.1 (.001)	0.8 (.031)	2.3 (.09)	3.2 (.13)	2.4 (.09)	7.2 (.28)
3.4 (.13)	8.2 (.32)	47-11-510-22								47-11-530-22	47-11-550-22
5.4 (.21)	10.2 (.40)	47-12-510-22								47-12-530-22	47-12-550-22
2.4 (.09)	7.2 (.28)	47-10-511-22								47-10-531-22	47-10-551-22
3.4 (.13)	8.2 (.32)	47-11-511-22				47-11-531-22	47-11-551-22				
5.4 (.21)	10.2 (.40)	47-12-511-22				47-12-531-22	47-12-551-22				
3.4 (.13)	8.2 (.32)	47-10-512-22				47-10-532-22	47-10-552-22				
5.4 (.21)	10.2 (.40)	47-11-512-22				47-11-532-22	47-11-552-22				

Part numbers in shaded rows (shown in table) are fully retracting in minimum panel thickness



To add a black finish, change the part number from the table as shown:

Change 2 to 6: 47-80-102-22
47-80-102-62

Part Number

See table

All screw part numbers shown in table are for a natural finish

For black finish minimums may apply