

Panel Screw Designer Guide

Choosing the right captivation style for your application

MC/TC™ Series Captive Screws include over 30,000 variations. Designed for electronics communications, internet, instrumentation and general industrial applications, captive screws and hardware offer benefits and advantages including:

- Captive Screws eliminate loose component hardware in sensitive electronic areas
- Captive screws improve designs for manufacturing, assembly and service
- Captive screws can incorporate Tamper-Resistant drive recesses for improved security
- Captive screws fully retract - no need to align the screw which also precludes the possibility of scratching expensive panels
- Captive screws are user friendly - can be operated with a tool or with fingers
- Captive screws spring retract providing a positive indicator when the fastener is fully tightened

PRESS-IN MCP™ SERIES

- Lower installed cost
- Thin sheet thickness applications
- For use in material 85RB or softer
- Mounting hole centreline minimum 1.5x installation hole diameter from panel edge; closer installation requires restraining panel edge



FLARE-IN MCF™ SERIES

- Used in materials including hardened steels and non-metallics
- Panel finish does not permit press-in
- Lower installation force than press-in
- Withstands higher side loading
- Installation hole preparation more tolerant
- Can be mounted closer to panel edge than press-in



FLOATING MCL™ SERIES

- Higher radial float than flare-in with many of the same features and benefits
- Lower installation force than press-in
- Withstands higher side loading
- Installation hole preparation more tolerant



PC BOARD/PLASTICS MCB™ SERIES

- Used for mounting in circuit boards and plastics
- Mounting hole centreline minimum 1.5x installation hole diameter from panel edge; closer installation requires restraining panel edge (contact sales office)



CUSTOM APPLICATION DESIGN

Captive screw modification include:

- Increased screw grip range
- Screw drive recess preferences
- Screw leader point - half or full dog point
- High radial float
- Part finish or colour
- Colours for improved brand recognition



Note: Products in this catalogue are subject to availability



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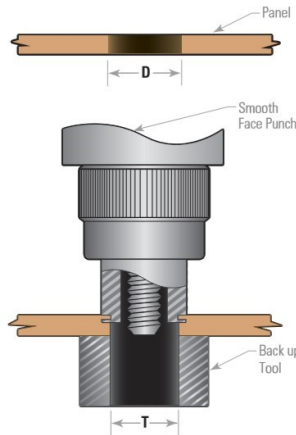
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Panel preparation and Installation

PRESS-IN STYLE / PC BOARD

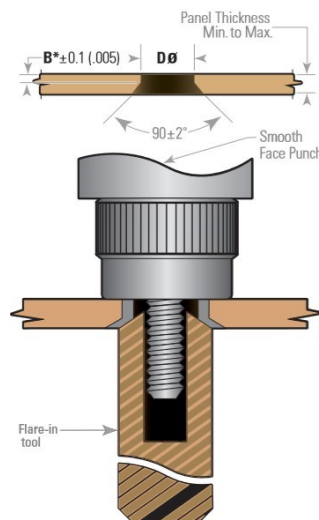
1. Prepare installation hole for correct thread size. Leave the hole edges sharp - do not chamfer.
2. Install captive screw as shown
3. Place back-up tool behind panel with clearance hole shown.
4. Press assembly into panel. Press force depends on material hardness - 3000 lb maximum.



Thread Size		Installation Hole D				Back-up Tool Hole T	
Metric	Unified	Metric		Unified		Metric +.2 -.1	Unified +.005 -.004
		Press-in	PC board	Press-in	PC board		
M3	4-40	5.6 ^{+.03} _{-.05}	5.6 ^{+.1} _{-.05}	.219 ^{+.003} _{-.000}	.219 ^{+.004} _{-.002}	3.2	.125
M3.5	6-32	6.4 ^{+.03} _{-.05}	6.4 ^{+.1} _{-.1}	.250 ^{+.003} _{-.000}	.250 ^{+.004} _{-.004}	3.7	.146
M4	8-32	8 ^{+.0} _{-.08}	8 ^{+.0} _{-.08}	.315 ^{+.003} _{-.000}	.315 ^{+.000} _{-.003}	4.4	.173
M5	10-32	8 ^{+.0} _{-.08}	8 ^{+.0} _{-.08}	.315 ^{+.003} _{-.000}	.315 ^{+.000} _{-.003}	5.2	.205
M6	1/4-20	9.5 ^{+.1} _{-.0}	9.5 ^{+.1} _{-.0}	.375 ^{+.003} _{-.000}	.375 ^{+.003} _{-.000}	6.2	.260

FLARE-IN STYLE

1. Prepare installation hole for correct thread size. Leave the hole edges sharp - do not chamfer.
2. Insert captive screw in panel.
3. Install Flare-In tool into press.
4. Support top of screw and install captive screw as shown. Installation force 300 lb - 600 lb.

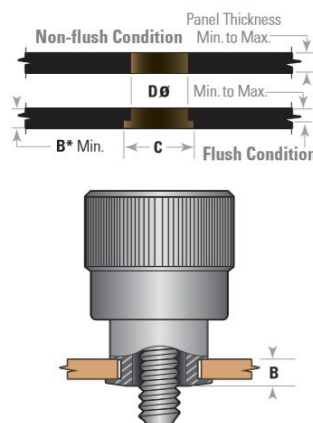


Thread Size		Installation Hole D		Installation Tool part number
Metric	Unified	Metric	Unified +.005 -.000	
		M3	4-40	
M3.5	6-32	5.4 ^{+.1} _{-.0}	.213	MCF632
M4	8-32	6.8 ^{+.08} _{-.04}	.266	MCF832
M5	10-32	6.8 ^{+.08} _{-.04}	.266	MCF1032
M6	1/4-20	8.2 ^{+.1} _{-.0}	.323	MCF1420

* For B dimensions see specifications table for that specific thread size.

FLOATING STYLE

1. Determine if flush or non-flush condition required.
2. Prepare installation hole for correct thread size.
3. Insert captive screw into panel.
4. Place floating tool into press.
5. Support top of screw then roll the ferrule over the washer to captivate. Installation force depends on thread size.



Thread Size		Installation Hole D		Installation Tool part number	Counterbore C
Metric	Unified	Metric +.008 -.003	Unified +.003 -.001		
		M3	4-40		
M3.5	6-32	7.2	.283	MCL632	10.5 (.413)
M4	8-32	8.8	.346	MCL832	12 (.469)
M5	10-32	8.8	.346	MCL1032	12 (.469)
M6	1/4-20	10.5	.413	MCL1420	13.5 (.531)

* For B dimensions see specifications table for that specific thread size.

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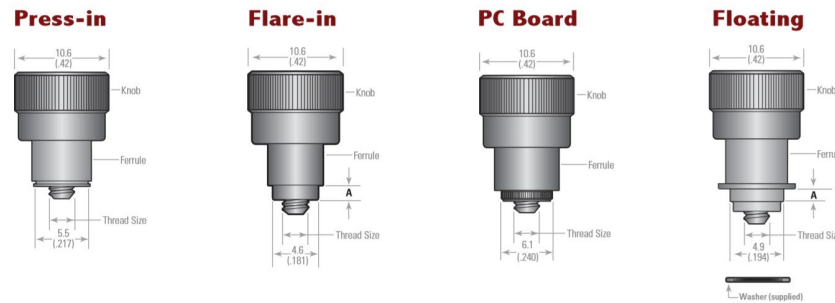
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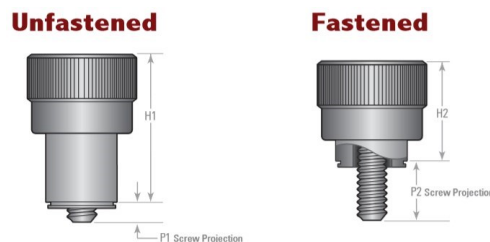
Matdan® Retractable Captive Screws 4-40 and M3 Thread

Installation Type	Panel Thickness		Total Float	A	B	Knob Height		Screw Projection P1	Screw Projection P2	Part Number <small>(See callout to select items in parenthesis)</small>	
	Min.	Max				H1	H2				
Press-in	0.9 (.036)	—	0.8 (.031)	—	—	11.6 (.46)	8.4 (.33)	0.8 (.03)	4.0 (.16)	()CP-() ()0-1-() ()	
								2.5 (.10)	5.5 (.22)	()CP-() ()1-1-() ()	
								4.0 (.16)	7.1 (.28)	()CP-() ()2-1-() ()	
								5.6 (.22)	8.6 (.35)	()CP-() ()3-1-() ()	
PC Board	1.6 (.063)	—	0.8 (.031)	—	—	11.6 (.46)	8.4 (.33)	0.8 (.03)	4.0 (.16)	()CB-() ()0-1-() ()	
								2.5 (.10)	5.5 (.22)	()CB-() ()1-1-() ()	
								4.0 (.16)	7.1 (.28)	()CB-() ()2-1-() ()	
								5.6 (.22)	8.6 (.35)	()CB-() ()3-1-() ()	
Flare-in	0.8 (.031)	1.5 (.058)	0.8 (.031)	1.0 (.041)	0.4 (.015)	11.4 (.45)	8.1 (.32)	0.8 (.03)	4.0 (.16)	()CF-() ()0-1-() ()	
								1.5 (.06)	4.7 (.19)	()CF-() ()0-2-() ()	
								2.5 (.10)	5.7 (.22)	()CF-() ()0-3-() ()	
								4.0 (.16)	7.1 (.28)	()CF-() ()0-5-() ()	
								5.6 (.22)	8.8 (.35)	()CF-() ()0-7-() ()	
	1.5 (.059)	2.5 (.099)	0.8 (.031)	1.8 (.070)	0.4 (.015)	11.4 (.45)	8.1 (.32)	8.1 (.32)	2.5 (.10)	5.7 (.22)	()CF-() ()1-1-() ()
									4.0 (.16)	7.1 (.28)	()CF-() ()1-2-() ()
									5.6 (.22)	8.8 (.35)	()CF-() ()1-3-() ()
									2.5 (.10)	5.7 (.22)	()CF-() ()2-1-() ()
									4.0 (.16)	7.1 (.28)	()CF-() ()2-2-() ()
Floating	—	0.8 (.031)	2.1 (.082)	2.6 (.104)	2.0 (.080)	11.9 (.47)	8.6 (.34)	1.9 (.07)	5.1 (.20)	()CL-() ()0-0-() ()	
								3.4 (.13)	6.6 (.26)	()CL-() ()1-0-() ()	
								5.0 (.19)	8.2 (.32)	()CL-() ()2-0-() ()	
	0.8 (.031)	1.6 (.063)	2.1 (.082)	3.4 (.132)	2.8 (.111)	11.9 (.47)	8.6 (.34)	8.6 (.34)	1.9 (.07)	5.1 (.20)	()CL-() ()0-1-() ()
									3.4 (.13)	6.6 (.26)	()CL-() ()1-1-() ()
									5.0 (.19)	8.2 (.32)	()CL-() ()2-1-() ()
									3.4 (.13)	6.6 (.26)	()CL-() ()0-2-() ()
1.6 (.063)	2.4 (.094)	2.1 (.082)	4.2 (.164)	3.6 (.143)	11.9 (.47)	8.6 (.34)	8.6 (.34)	5.0 (.19)	8.2 (.32)	()CL-() ()1-2-() ()	
								5.0 (.19)	8.2 (.32)	()CL-() ()1-2-() ()	

General Dimensions



Knob Height and Screw Projections



Part Number Callout

Series Code	Captivation Code	Thread Code	Drive Recess Code	Screw Length Code	Ferrule Length Code	Texture Code	Finish Code
MC Aluminum Knob	P Press-in	04 4-40	P Phillips	See Specification Chart	See Specification Chart	A 1/2 Knurl	N Natural
TC Plastic Knob	F Flare-in	06 6-32	S Slotted			S Smooth	B Black
	L Floating	08 8-32	T Six-lobe			K Full Knurl	
	B PC Board	10 10-32	C Combo Slot Phillips			D Diamond	
		14 1/4-20	E Combo Six-lobe/Slot			H 1/2 Diamond	
		M3 3mm					
		35 3.5mm					
		M4 4mm					
		M5 5mm					
		M6 6mm					

Example P/N: MCP-04C1-1-AN

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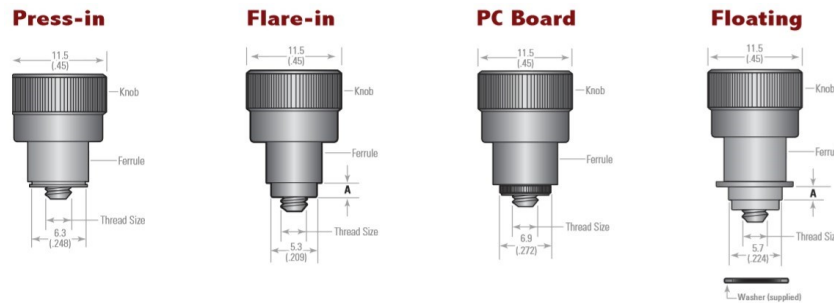
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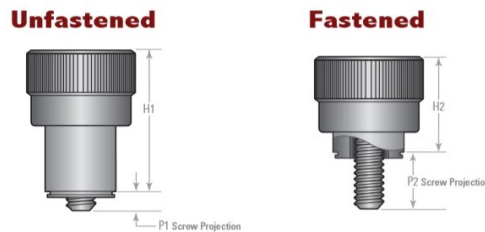
Matdan® Retractable Captive Screws 6-32 and 3.5mm Thread

Installation Type	Panel Thickness		Total Float	A	B	Knob Height		Screw Projection P1	Screw Projection P2	Part Number <small>(See callout to select items in parenthesis)</small>				
	Min.	Max				H1	H2							
Press-in	0.9 (.036)	—	0.8 (.031)	—	—	16 (.63)	11.2 (.44)	0.5 (.02)	5.3 (.21)	() CP () 0-1 () ()				
								2.1 (.09)	6.9 (.27)	() CP () 1-1 () ()				
								3.7 (.15)	8.5 (.33)	() CP () 2-1 () ()				
								5.3 (.21)	10.1 (.40)	() CP () 3-1 () ()				
PC Board	1.6 (.063)	—	0.8 (.031)	—	—	16 (.63)	11.2 (.44)	0.5 (.02)	5.3 (.21)	() CP () 0-1 () ()				
								2.1 (.09)	6.9 (.27)	() CP () 1-1 () ()				
								3.7 (.15)	8.5 (.33)	() CP () 2-1 () ()				
								5.3 (.21)	10.1 (.40)	() CP () 3-1 () ()				
Flare-in	1.5 (.058)	3.2 (.125)	0.8 (.031)	1.8 (.070)	0.4 (.015)	15.2 (.60)	10.2 (.40)	1.1 (.04)	6.1 (.24)	() CP () 0-2 () ()				
								2.7 (.11)	7.6 (.30)	() CP () 0-4 () ()				
								4.3 (.17)	9.2 (.36)	() CP () 0-6 () ()				
								5.9 (.23)	10.8 (.43)	() CP () 0-8 () ()				
	1.5 (.058)	3.2 (.125)		1.8 (.070)	0.4 (.016)			2.7 (.11)	7.6 (.30)	4.3 (.17)	9.2 (.36)	2.7 (.11)	7.6 (.30)	() CP () 1-2 () ()
												4.3 (.17)	9.2 (.36)	() CP () 1-4 () ()
												5.9 (.23)	10.8 (.43)	() CP () 1-6 () ()
												5.9 (.23)	10.8 (.43)	() CP () 1-8 () ()
3.2 (.125)	4.8 (.189)	3.4 (.135)	1.6 (.062)	4.3 (.17)	9.2 (.36)	5.9 (.23)	10.8 (.43)	4.3 (.17)	9.2 (.36)	() CP () 2-2 () ()				
								5.9 (.23)	10.8 (.43)	() CP () 2-4 () ()				
								5.9 (.23)	10.8 (.43)	() CP () 2-6 () ()				
								5.9 (.23)	10.8 (.43)	() CP () 2-8 () ()				
4.7 (.188)	6.4 (.250)	5 (.197)	2.8 (.11)	5.9 (.23)	10.8 (.43)	5.9 (.23)	10.8 (.43)	5.9 (.23)	10.8 (.43)	() CP () 3-2 () ()				
								5.9 (.23)	10.8 (.43)	() CP () 3-4 () ()				
								5.9 (.23)	10.8 (.43)	() CP () 3-6 () ()				
								5.9 (.23)	10.8 (.43)	() CP () 3-8 () ()				
Floating	—	0.8 (.031)	2.2 (.09)	2.9 (.113)	2.1 (.084)	15.5 (.61)	10.7 (.42)	2.4 (.09)	7.2 (.28)	() CP () 0-0 () ()				
								4.0 (.16)	8.8 (.35)	() CP () 1-0 () ()				
								5.6 (.22)	10.4 (.41)	() CP () 2-0 () ()				
								2.4 (.09)	7.2 (.28)	() CP () 0-1 () ()				
	0.8 (.031)	1.6 (.063)		3.7 (.144)	2.9 (.115)			2.4 (.09)	7.2 (.28)	4.0 (.16)	8.8 (.35)	4.0 (.16)	8.8 (.35)	() CP () 1-1 () ()
												5.6 (.22)	10.4 (.41)	() CP () 2-1 () ()
												4.0 (.16)	8.8 (.35)	() CP () 0-2 () ()
												5.6 (.22)	10.4 (.41)	() CP () 1-2 () ()
1.6 (.063)	2.4 (.094)	4.5 (.176)	3.7 (.147)	4.0 (.16)	8.8 (.35)	4.0 (.16)	8.8 (.35)	4.0 (.16)	8.8 (.35)	() CP () 0-3 () ()				
								5.6 (.22)	10.4 (.41)	() CP () 1-3 () ()				
								5.6 (.22)	10.4 (.41)	() CP () 2-3 () ()				
								5.6 (.22)	10.4 (.41)	() CP () 3-3 () ()				

General Dimensions



Knob Height and Screw Projections



Part Number Callout

Series Code	Captivation Code	Thread Code	Drive Recess Code	Screw Length Code	Ferrule Length Code	Texture Code	Finish Code
MC Aluminum Knob	P Press-in	04 4-40	P Phillips	See Specification Chart	See Specification Chart	A 1/2 Knurl	N Natural
TC Plastic Knob	F Flare-in	06 6-32	S Slotted			S Smooth	B Black
	L Floating	08 8-32	T Six-lobe			K Full Knurl	
	B PC Board	10 10-32	C Combo Slot Phillips			D Diamond	
		14 1/4-20	E Combo Six-lobe/Slot			H 1/2 Diamond	
		M3 3mm					
		M4 4mm					
		M5 5mm					
		M6 6mm					

Example P/N: MCP-06P1-1-AB

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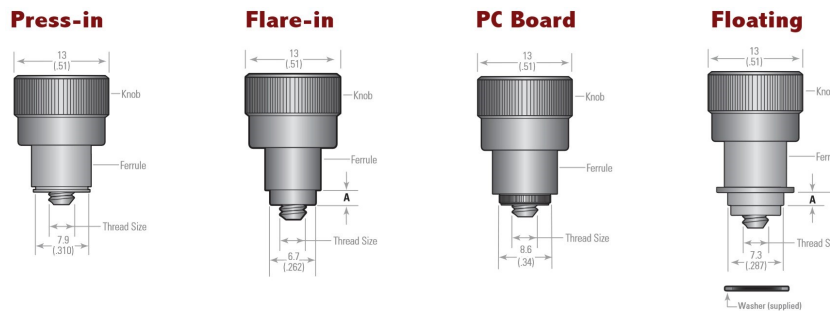
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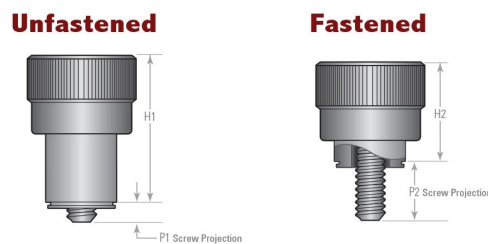
Matdan® Retractable Captive Screws 8-32 and M4 Thread

Type	Installation Type	Panel Thickness		Total Float	A	B	Knob Height		Screw Projection P1	Screw Projection P2	Part Number <small>(See callout to select items in parenthesis)</small>
		Min.	Max				H1	H2			
8-32	Press-in	0.9 (.036)	—	0.8 (.031)	—	—	16 (.63)	11.2 (.44)	0.5 (.02)	5.3 (.21)	()CP-() ()0-1-() ()
									2.1 (.09)	6.9 (.27)	()CP-() ()1-1-() ()
									3.7 (.15)	8.5 (.33)	()CP-() ()2-1-() ()
									5.3 (.21)	10.1 (.40)	()CP-() ()3-1-() ()
	PC Board	1.6 (.063)	—	0.8 (.031)	—	—	16 (.63)	11.2 (.44)	0.5 (.02)	5.3 (.21)	()CB-() ()0-1-() ()
									2.1 (.09)	6.9 (.27)	()CB-() ()1-1-() ()
									3.7 (.15)	8.5 (.33)	()CB-() ()2-1-() ()
									5.3 (.21)	10.1 (.40)	()CB-() ()3-1-() ()
	Flare-in	1.5 (.058)	3.2 (.125)	0.8 (.031)	1.8 (.070)	0.4 (.015)	15.5 (.61)	10.4 (.41)	1.1 (.04)	6.1 (.24)	()CF-() ()0-2-() ()
									2.7 (.11)	7.6 (.30)	()CF-() ()0-4-() ()
									4.3 (.17)	9.2 (.36)	()CF-() ()0-6-() ()
									5.9 (.23)	10.8 (.43)	()CF-() ()0-9-() ()
									2.7 (.11)	7.6 (.30)	()CF-() ()1-2-() ()
									4.3 (.17)	9.2 (.36)	()CF-() ()2-2-() ()
		3.2 (.125)	4.8 (.189)	0.8 (.031)	3.4 (.135)	1.6 (.062)	15.5 (.61)	10.4 (.41)	5.9 (.23)	10.8 (.43)	()CF-() ()3-2-() ()
									4.3 (.17)	9.2 (.36)	()CF-() ()1-4-() ()
									5.9 (.23)	10.8 (.43)	()CF-() ()2-4-() ()
									4.3 (.17)	9.2 (.36)	()CF-() ()1-6-() ()
									5.9 (.23)	10.8 (.43)	()CF-() ()2-4-() ()
									5.9 (.23)	10.8 (.43)	()CF-() ()1-6-() ()
	Floating	—	0.8 (.031)	2.2 (.09)	3.2 (.197)	2.3 (.090)	15.8 (.62)	10.9 (.43)	2.4 (.09)	7.2 (.28)	()CL-() ()0-0-() ()
									4.0 (.16)	8.8 (.35)	()CL-() ()1-0-() ()
									5.6 (.22)	10.4 (.41)	()CL-() ()2-0-() ()
		0.8 (.031)	1.6 (.063)	2.2 (.09)	4.0 (.158)	3.1 (.121)	15.8 (.62)	10.9 (.43)	2.4 (.09)	7.2 (.28)	()CL-() ()0-1-() ()
4.0 (.16)									8.8 (.35)	()CL-() ()1-1-() ()	
5.6 (.22)									10.4 (.41)	()CL-() ()2-1-() ()	
1.6 (.063)	2.4 (.094)	2.2 (.09)	4.8 (.190)	3.9 (.153)	15.8 (.62)	10.9 (.43)	4.0 (.16)	8.8 (.35)	()CL-() ()0-2-() ()		
							5.6 (.22)	10.4 (.41)	()CL-() ()1-2-() ()		
							5.6 (.22)	10.4 (.41)	()CL-() ()1-2-() ()		

General Dimensions



Knob Height and Screw Projections



Part Number Callout

Series Code	Captivation Code	Thread Code	Drive Recess Code	Screw Length Code	Ferrule Length Code	Texture Code	Finish Code
MC Aluminum Knob	P Press-in	04 4-40	P Phillips	See Specification Chart	See Specification Chart	A 1/2 Knurl	N Natural
TC Plastic Knob	F Flare-in	06 6-32	S Slotted	See Specification Chart	See Specification Chart	S Smooth	B Black
	L Floating	08 8-32	T Six-lobe			K Full Knurl	
	B PC Board	10 10-32	C Combo Slot Phillips			D Diamond	
		14 1/4-20	E Combo Six-lobe/Slot			H 1/2 Diamond	
		M3 3mm					
		M4 4mm					
		M5 5mm					
		M6 6mm					

Example P/N: MCP-08C2-1-SN

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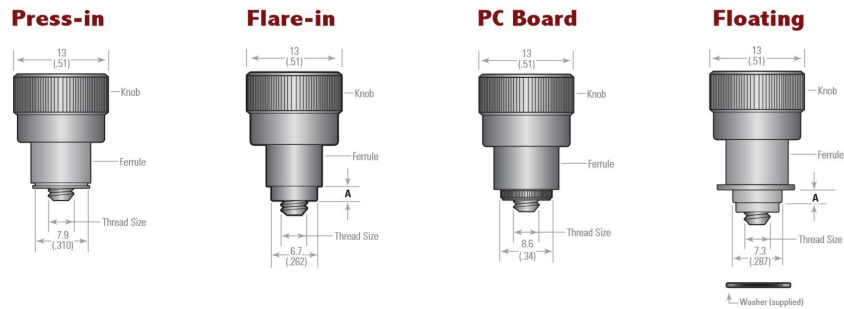
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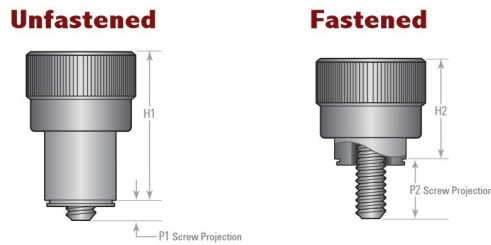
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Type	Panel Thickness		Total Float	A	B	Knob Height		Screw Projection P1	Screw Projection P2	Part Number <small>(See callout to select items in parenthesis)</small>
	Min.	Max				H1	H2			
Press-in	0.9 (.036)	—	0.8 (.031)	—	—	16 (.63)	11.2 (.44)	0.5 (.02)	5.3 (.21)	()CP-() ()0-1-() ()
								2.1 (.09)	6.9 (.27)	()CP-() ()1-1-() ()
								3.7 (.15)	8.5 (.33)	()CP-() ()2-1-() ()
								5.3 (.21)	10.1 (.40)	()CP-() ()3-1-() ()
PC Board	1.6 (.063)	—	0.8 (.031)	—	—	16 (.63)	11.2 (.44)	0.5 (.02)	5.3 (.21)	()CB-() ()0-1-() ()
								2.1 (.09)	6.9 (.27)	()CB-() ()1-1-() ()
								3.7 (.15)	8.5 (.33)	()CB-() ()2-1-() ()
								5.3 (.21)	10.1 (.40)	()CB-() ()3-1-() ()
Flare-in	1.5 (.058)	3.2 (.125)	0.8 (.031)	1.8 (.070)	0.4 (.015)	15.5 (.61)	10.4 (.41)	1.1 (.04)	6.1 (.24)	()CF-() ()0-2-() ()
	3.2 (.126)	4.8 (.187)		3.4 (.135)	1.6 (.062)			2.7 (.11)	7.6 (.30)	()CF-() ()0-4-() ()
	4.8 (.188)	6.4 (.250)		5 (.197)	3.2 (.125)			4.3 (.17)	9.2 (.36)	()CF-() ()0-6-() ()
	6.3 (.251)	7.9 (.312)		6.6 (.260)	4.8 (.189)			5.9 (.23)	10.8 (.43)	()CF-() ()0-8-() ()
	1.5 (.058)	3.2 (.125)		1.8 (.070)	0.4 (.016)			2.7 (.11)	7.6 (.30)	()CF-() ()1-2-() ()
	3.2 (.125)	4.8 (.189)		3.4 (.135)	1.6 (.062)			4.3 (.17)	9.2 (.36)	()CF-() ()2-2-() ()
	4.7 (.188)	6.4 (.250)	5 (.197)	3.2 (.125)	5.9 (.23)	10.8 (.43)	()CF-() ()3-2-() ()			
	1.5 (.058)	3.2 (.125)	1.8 (.070)	0.4 (.016)	2.7 (.11)	7.6 (.30)	()CF-() ()1-4-() ()			
	3.2 (.125)	4.8 (.189)	3.4 (.135)	1.6 (.062)	4.3 (.17)	9.2 (.36)	()CF-() ()2-4-() ()			
	4.7 (.188)	6.4 (.250)	5 (.197)	3.2 (.125)	5.9 (.23)	10.8 (.43)	()CF-() ()1-6-() ()			
	1.5 (.058)	3.2 (.125)	1.8 (.070)	0.4 (.016)	2.7 (.11)	7.6 (.30)	()CF-() ()0-0-() ()			
	3.2 (.125)	4.8 (.189)	3.4 (.135)	1.6 (.062)	4.3 (.17)	9.2 (.36)	()CF-() ()0-1-() ()			
Floating	—	0.8 (.031)	2.2 (.09)	3.2 (.127)	2.3 (.090)	15.8 (.62)	10.9 (.43)	2.4 (.09)	7.2 (.28)	()CL-() ()1-0-() ()
	0.8 (.031)	1.6 (.063)		4.0 (.158)	3.1 (.121)			4.0 (.16)	8.8 (.35)	()CL-() ()2-0-() ()
	1.6 (.063)	2.4 (.094)		4.8 (.190)	3.9 (.153)			2.4 (.09)	7.2 (.28)	()CL-() ()0-1-() ()
	—	0.8 (.031)		3.2 (.127)	2.3 (.090)			4.0 (.16)	8.8 (.35)	()CL-() ()1-1-() ()
	0.8 (.031)	1.6 (.063)	4.0 (.158)	3.1 (.121)	5.6 (.22)	10.4 (.41)	()CL-() ()2-1-() ()			
	1.6 (.063)	2.4 (.094)	4.8 (.190)	3.9 (.153)	4.0 (.16)	8.8 (.35)	()CL-() ()0-2-() ()			
	—	0.8 (.031)	3.2 (.127)	2.3 (.090)	5.6 (.22)	10.4 (.41)	()CL-() ()1-2-() ()			
	0.8 (.031)	1.6 (.063)	4.0 (.158)	3.1 (.121)	4.0 (.16)	8.8 (.35)	()CL-() ()1-2-() ()			

General Dimensions



Knob Height and Screw Projections



Part Number Callout

Series Code	Captivation Code	Thread Code	Drive Recess Code	Screw Length Code	Ferrule Length Code	Texture Code	Finish Code
MC Aluminum Knob	P Press-in	04 4-40	P Phillips	See Specification Chart	See Specification Chart	A 1/2 Knurl	N Natural
TC Plastic Knob	F Flare-in	06 6-32	S Slotted			S Smooth	B Black
	L Floating	08 8-32	T Six-lobe			K Full Knurl	
	B PC Board	10 10-32	C Combo Slot Phillips			D Diamond	
		14 1/4-20	E Combo Six-lobe/Slot			H 1/2 Diamond	
		M3 3mm					
		35 3.5mm					
		M4 4mm					
		M5 5mm					
		M6 6mm					

Example P/N: TCF-10S0-6-AN

Note: Products in this catalogue are subject to availability



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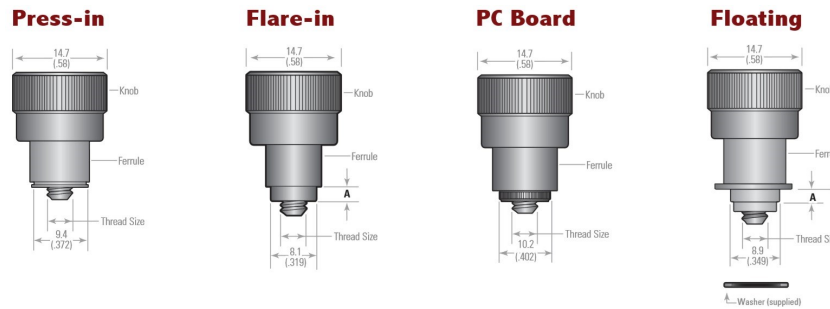
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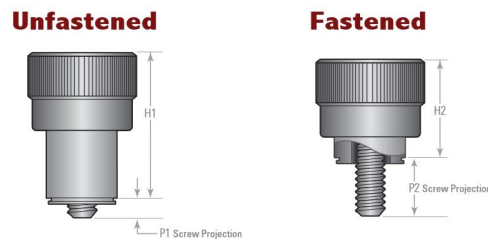
Retractable Captive Screws 1/4-20 and M6 Thread Thread

Type	Panel Thickness		Total Float	A	B	Knob Height		Screw Projection P1	Screw Projection P2	Part Number <small>(See callout to select items in parenthesis)</small>
	Min.	Max				H1	H2			
Press-in	0.9 (.036)	—	0.8 (.031)	—	—	19.8 (.78)	13.5 (.53)	0.7 (.03)	7.1 (.28)	()CP-() ()0-1-() ()
								2.3 (.09)	8.6 (.34)	()CP-() ()1-1-() ()
								3.7 (.15)	10.2 (.40)	()CP-() ()2-1-() ()
								5.5 (.22)	11.9 (.47)	()CP-() ()3-1-() ()
PC Board	1.6 (.063)	—	0.8 (.031)	—	—	19.8 (.78)	13.5 (.53)	0.7 (.03)	7.1 (.28)	()CB-() ()0-1-() ()
								2.3 (.09)	8.6 (.34)	()CB-() ()1-1-() ()
								3.7 (.15)	10.2 (.40)	()CB-() ()2-1-() ()
								5.5 (.22)	11.9 (.47)	()CB-() ()3-1-() ()
Flare-in	1.5 (.058)	3.2 (.125)	0.8 (.031)	1.8 (.070)	0.4 (.015)	19.3 (.76)	12.7 (.50)	1.2 (.05)	7.9 (.31)	()CF-() ()0-2-() ()
	3.2 (.126)	4.8 (.187)		3.4 (.135)	1.6 (.062)			2.7 (.11)	9.4 (.37)	()CF-() ()0-4-() ()
	4.8 (.188)	6.4 (.250)		5 (.197)	3.2 (.125)			4.3 (.17)	10.9 (.43)	()CF-() ()0-6-() ()
	6.3 (.251)	7.9 (.312)		6.6 (.260)	4.8 (.189)			6.1 (.24)	12.7 (.50)	()CF-() ()0-8-() ()
	1.5 (.058)	3.2 (.125)	1.8 (.070)	0.4 (.016)	19.3 (.76)	12.7 (.50)	2.7 (.11)	9.4 (.37)	()CF-() ()1-2-() ()	
	3.2 (.125)	4.8 (.189)	3.4 (.135)	1.6 (.062)	19.3 (.76)	12.7 (.50)	4.3 (.17)	10.9 (.43)	()CF-() ()2-2-() ()	
	4.7 (.188)	6.4 (.250)	5 (.197)	3.2 (.125)	19.3 (.76)	12.7 (.50)	6.1 (.24)	12.7 (.50)	()CF-() ()3-2-() ()	
	4.3 (.17)	10.9 (.43)	4.3 (.17)	10.9 (.43)	19.3 (.76)	12.7 (.50)	6.1 (.24)	12.7 (.50)	()CF-() ()1-4-() ()	
Floating	—	0.8 (.031)	2.2 (.09)	3.2 (.127)	2.5 (.097)	19.8 (.78)	13.2 (.52)	2.3 (.09)	8.8 (.35)	()CL-() ()0-0-() ()
	0.8 (.031)	1.6 (.063)		4 (.158)	3.3 (.128)			3.7 (.15)	10.4 (.41)	()CL-() ()1-0-() ()
				5.5 (.22)	12.2 (.48)			()CL-() ()2-0-() ()		
	1.6 (.063)	2.4 (.094)		4.8 (.190)	4.1 (.160)			19.8 (.78)	13.2 (.52)	2.3 (.09)
	3.7 (.15)	10.4 (.41)	3.7 (.15)	10.4 (.41)	19.8 (.78)	13.2 (.52)	3.7 (.15)	10.4 (.41)	()CL-() ()1-1-() ()	
	5.5 (.22)	12.2 (.48)	5.5 (.22)	12.2 (.48)	19.8 (.78)	13.2 (.52)	5.5 (.22)	12.2 (.48)	()CL-() ()2-1-() ()	
	3.7 (.15)	10.4 (.41)	3.7 (.15)	10.4 (.41)	19.8 (.78)	13.2 (.52)	3.7 (.15)	10.4 (.41)	()CL-() ()0-2-() ()	
	5.5 (.22)	12.2 (.48)	5.5 (.22)	12.2 (.48)	19.8 (.78)	13.2 (.52)	5.5 (.22)	12.2 (.48)	()CL-() ()1-2-() ()	

General Dimensions



Knob Height and Screw Projections



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	L Floating	08 8-32	T Six-lobe			K Full Knurl	
	B PC Board	10 10-32	C Combo Slot Phillips			D Diamond	
		14 1/4-20	E Combo Six-lobe/Slot			H 1/2 Diamond	
		M3 3mm					
		35 3.5mm					
		M4 4mm					
		M5 5mm					
		M6 6mm					

Example P/N: TCL-14P2-0-KN

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