



PennEngineering

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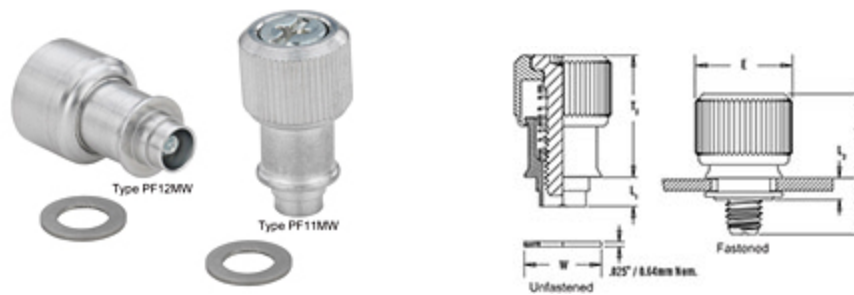
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Part # PF12MW-632-12BL, Large Knob, Spring-loaded - Types PF11MW and PF12MW - Unified

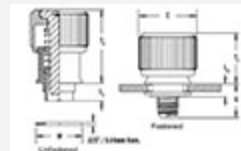
- Compensates for mating hole misalignment.
- Installs into any panel hardness.

NOTE: Mating washers for PF11MW / PF12MW panel fasteners are not shown in 3D drawings.



Specifications

Thread Size	.138-32 (#6-32)
Type	Smooth Cap - PF12MW
Thread Code	632
Shank Code ¹	1
Screw Length Code	2
A Max. Sheet Thickness	.063 in
B Min.	.115 in
D Hole Size in Sheet + 0.003 - 0.001	.283 in
E ± .010	.450 in
G Nom.	.350 in
H Min.	.413 in



L1 Nom.	.149 in	
L2 Max.	.127 in	
T1 Nom.	.450 in	
T2 Nom.	.640 in	
Driver Size	Slotted/#2 Phillips	
Min. Float	.076 in	
W Nom.	.344 in	
Thread Specification²	ANSI B1.1, 2A	
Material Knob	Aluminum	
Material Retainer	Aluminum	
Material Screw	Heat-Treated Carbon Steel	
Material Spring	300 Series Stainless Steel	
Material Washer	300 Series Stainless Steel	
Finish Knob	Natural Finish	
Finish Retainer	Natural finish	
Finish Screw	Zinc plated per ASTM B633, SC1 (5µm), Type III, colorless	
Finish Spring	Natural Finish	
Optional Finish³	Knob (aluminum) – Black Anodize Screw (steel and stainless) – Black Nitride	
CAD View	Fastened	
CAD Supplier	PennEngineering® (PEM®)	
CAD Note	Mating washers for PF11MW / PF12MW	panel fasteners are not shown in 3D drawings.



¹ Other shank and screw lengths available.

² As with all external plated threads, Class 2A/6g, the maximum major and pitch, after plating, may equal basic sizes and be gauged to Class 3A/4h, per ANSI B1.1, Section 8, Table 3A and ANSI B1.13M, Section 8, Paragraph 8.2

³ “BL” suffix will be added to part number to designate DuraBlack™ finish.