

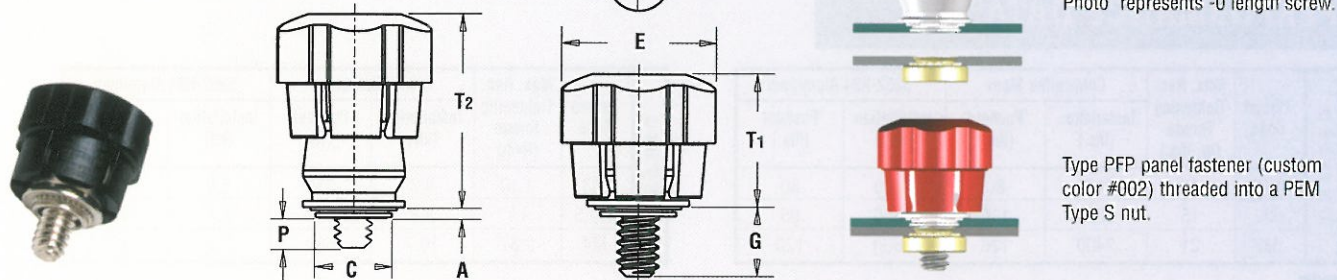


TYPE PFP™ SELF-CLINCHING HYBRID™ PANEL FASTENER ASSEMBLIES†



- Standard black ABS cap.
- Steel retainer and screw.
- Optional colors available.

Shown with standard slot/Phillips drive and "L" style cap.*



All dimensions are in inches.

UNIFIED	Thread Size	Type	Thread Code	Screw Length Code	A Max.	Min. Sheet Thickness	Hole Size In Sheet + .003 - .000	C Max.	E ± .010	G ± .025	P ± .025	T ₁ Nom.	T ₂ Nom.	Driver Size	Min. Dist. Hole C/L To Edge	Total Radial Float
	.112-40 (#4-40)	PFP	440	0	.036	.036	.203	.202	.542	.230	.000	.436	.636	#1	.213	.015
				1												
	.138-32 (#6-32)	PFP	632	0	.036	.036	.219	.218	.542	.230	.000	.436	.636	#2	.230	.020
1				.290												
.164-32 (#8-32)	PFP	832	0	.036	.036	.250	.249	.594	.230	.000	.436	.636	#2	.263	.020	
			1													.290

All dimensions are in millimeters.

METRIC	Thread Size x Pitch	Type	Thread Code	Screw Length Code	A Max.	Min. Sheet Thickness	Hole Size In Sheet +0.08	C Max.	E ± 0.25	G ± 0.64	P ± 0.64	T ₁ Nom.	T ₂ Nom.	Driver Size	Min. Dist. Hole C/L To Edge	Total Radial Float
	M3 x 0.5	PFP	M3	0	0.92	0.92	5.16	5.13	13.77	5.84	0	11.07	16.15	#1	5.4	.38
				1												
	M3.5 x 0.6	PFP	M3.5	0	0.92	0.92	5.56	5.54	13.77	5.84	0	11.07	16.15	#2	5.8	.51
1				7.37												
M4 x 0.7	PFP	M4	0	0.92	0.92	6.35	6.33	15.09	5.84	0	11.07	16.15	#2	6.7	.51	
			1													7.37

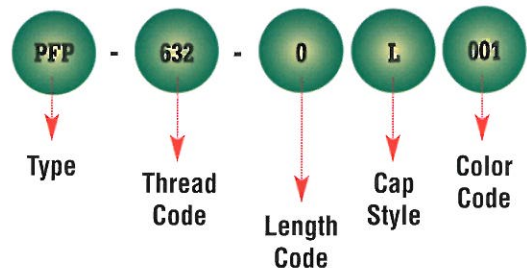
* For special drive types consult our Engineering department.

(1) 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/6h, per ANSI B1.1, Section 8, Table 3A and ANSI B1.13M, Section 8, Paragraph 8.2.

† Patented.

- CAP MATERIAL:** ABS. Temperature limit is 200° F / 93° C.
- RETAINER & SCREW MATERIAL:** Carbon Steel.
- THREADS:** External, ANSI B1.1, 2A ANSI/ASME B1.13M, 6g.⁽¹⁾
- RETAINER & SCREW FINISH:** CN - Bright Nickel over Copper Flash.
- DRIVE TYPE:** Slot/Phillips.
- SHEET HARDNESS:** 60 or less on the Rockwell "B" scale.

Part Number Designation



COLOR CAPABILITIES

The colors shown here (codes #002 thru #007) are non-stocked standards and available on special order. Since actual cap colors may vary slightly from those represented at the right, we recommend that you request samples for color verification. If you require a custom color or you need a "color matched" cap, please contact us.



PERFORMANCE DATA⁽¹⁾

UNIFIED	Thread Code	Max. Rec. Tightening Torque (in. lbs.)	Cold-rolled Steel		5052-H34 Aluminum	
			Installation (lbs.)	Pushout (lbs.)	Installation (lbs.)	Pushout (lbs.)
	440	10	2100	80	1300	80
	632	15	2200	114	1500	95
	832	21	2400	126	1600	120

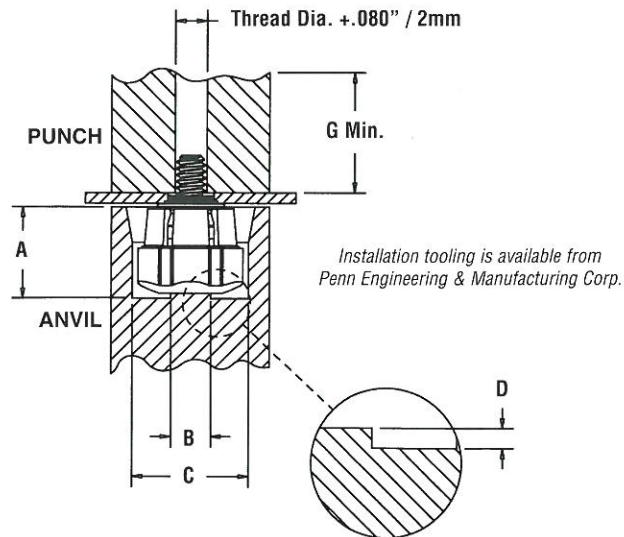
METRIC	Thread Code	Max. Rec. Tightening Torque (N•m)	Cold-rolled Steel		5052-H34 Aluminum	
			Installation (kN)	Pushout (N)	Installation (kN)	Pushout (N)
	M3	1.13	9.3	355	5.8	355
	M3.5	1.7	9.8	507	6.7	422
	M4	2.37	10.7	560	7.1	533

(1) The installation and pushout values reported are averages when all installation specifications and procedures are followed. Variations in mounting hole sizes, sheet material, and installation procedure will affect this data. Performance testing of this product in your application is recommended. We will be happy to provide samples for this purpose.

INSTALLATION

Procedure:

1. Punch or drill properly sized hole in sheet. Do not perform any secondary operations such as deburring.
2. Place shank of fastener into mounting hole, preferably the punch side.
3. With punch and anvil surfaces parallel, apply squeezing force to the top of the screw (not to plastic cap) until shoulder of the retainer comes in contact with the sheet.



Anvil Dimensions

UNIFIED	Thread Code	Anvil Dimensions (in.)				Anvil Part Number	Punch Part Number
		A ±.002	B ±.002	C ±.001	D ±.002		
	440	.432	.221	.552	.047	8005413	8005440
	632	.432	.221	.552	.047	8005413	8005441
	832	.432	.277	.604	.047	8005414	8005442

METRIC	Thread Code	Anvil Dimensions (mm)				Anvil Part Number	Punch Part Number
		A ±0.05	B ±0.05	C ±0.03	D ±0.05		
	M3	10.97	5.61	14.02	1.19	8005413	8005440
	M3.5	10.97	5.61	14.02	1.19	8005413	8005441
	M4	10.97	7.04	15.34	1.19	8005414	8005442

Visit us at our PEMNETSM web site:
www.pemnet.com
 or call
1-800-DIAL-PEM (USA ONLY)

Specifications subject to change without notice.

For the name of the Authorized PEM distributor nearest you, call one of the numbers below or check out our web site.

To be sure that you are getting genuine PEM[®] brand panel fasteners, look for the "PEM" stamp under fingers or "Dimple" on end of screw.

Performance testing of this product in your application is recommended. We will be happy to provide samples for this purpose.

PEM[®] FASTENING SYSTEMS

a PennEngineering[®] company

World Headquarters:

5190 Old Easton Road
 Danboro, PA 18916 USA
 E-Mail: pem@pemnet.com
 Tel: 215-766-8853 • Fax: 215-766-3634



U.K And Europe:

Kirk Sandall Industrial Estate
 Doncaster, South Yorkshire
 DN3 1QR, England
 Tel: 01302 886961 • Fax: 01302 885341

Asia/Pacific:

Citipoint Industrial Complex
 152 Paya Lebar Road # 03-06
 Singapore 409020
 Tel: 65 745 0660 • Fax: 65 745 2400

Printed in U.S.A.
 CAGE-46384