



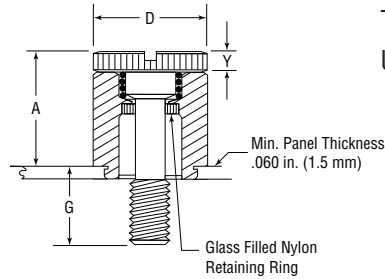
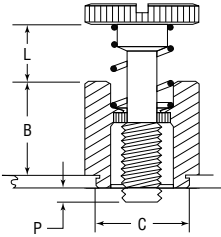
PC Board Panel Fasteners

Series CPFK



CPFK PC board panel fasteners provide permanent attachment of screw assemblies to PC board substrate material. Screw assemblies remain captive for easy mounting and removal of board.

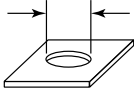

Series	Material	Finish
CPFK	300 Series Stainless Steel	Passivated ASTM A380




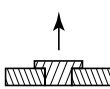
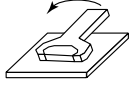
Thread: External 2A, ANSI B1.1 (6g ANSI/ASME B1.13M).*
Use in: PC Boards with Rockwell Hardness of B-70 or less.

*See Note 3 on Page 6 for Gauging Spec.

Dimensions & Specifications

	Thread Size	Part Number	G ± .016 in. (.4 mm)	P ± .016 in. (.4 mm)	L ± .016 in. (.4 mm)	D +.016 in. (.4mm) -.010 in. (.25 mm)	A Max.	Y ± .005 in. (.13 mm)	B ± .010 in. (.25mm)	C ± .003 in. (.08mm)	 +.003 in. (.08 mm) -.000(.00)	 Min.
INCH (in.)	#4-40	CPFK440-40	.250	.000	.19	.310	.36	.072	.28	.283	.265	.20
		CPFK440-62	.375	.125								
		CPFK440-84	.500	.250								
INCH (in.)	#6-32	CPFK632-40	.250	.000	.19	.340	.36	.072	.28	.299	.281	.26
		CPFK632-62	.375	.125								
		CPFK632-84	.500	.250								
METRIC (mm)	M3 x 0.5	CPFKM3-40	6.4	.0	4.8	7.92	9.15	1.83	7.2	7.19	6.73	5.1
		CPFKM3-62	9.5	3.2								
		CPFKM3-84	12.7	6.4								

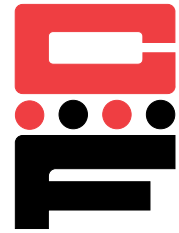
Installation & Performance Data

	Thread Size	Fiberglass .060 in. (1.5 mm)		
		 Installation Force (lbs.)	 Pushout (lbs.)	 Torque-out (in.-lbs.)
INCH (in.)	#4-40	250	55	(1)
	#6-32	400	60	(1)
METRIC (mm)	Thread Size	Installation Force (kN)	Pushout (N)	Torque-out (Nm)
	M3	1.1	245	(3)

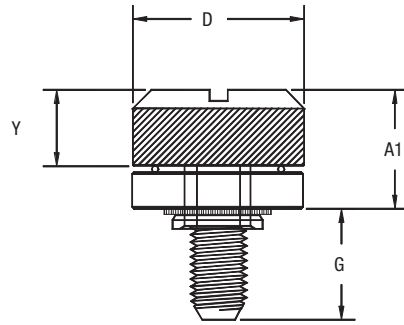
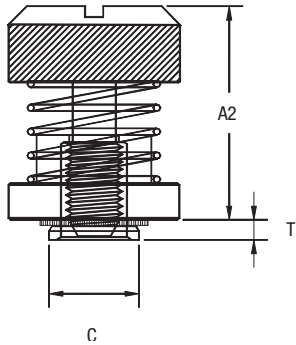


Low-Profile Panel Fastener

Series LPH



LPH panel fasteners are preassembled for attachment to removable sheet metal panels. Screw assemblies remain captive for servicing ease and provide low profile when secure. Slotted head with deep skirt allows tool or finger operation.



Series	Material	Finish*
LPH	Carbon Steel	Bright Nickel over Copper Flash

*Black Nitride (BN) finish available

Thread: External 2A, ANSI B1.1 (6g ANSI/ASME B1.13M).**

Use in: Materials with Rockwell Hardness of B-60 or less.

Part Number Structure:

LPH-0 440-30



**See Note 3 on Page 6 for Gauging Spec.

Dimensions & Specifications

INCH (in.)	Thread Size	Type	Thread Code	Screw Length Code	Min.	T Max.	G ±.015	C Max.	D ±.010	Y ±.005	A1 Max.	A2 Nom.	+ .003 - .000	Min.
		#4-40	LPH-0	440	30	.030	.030	.300	.202	.406	.202	.325	.595	.203
LPH-1			.040			.038								
LPH-2			.060			.058								
#6-32		LPH-0	632	30	.030	.030	.300	.218	.438	.202	.325	.595	.219	.28
		LPH-1			.040	.038								
		LPH-2			.060	.058								
#8-32		LPH-0	832	30	.030	.030	.300	.249	.468	.207	.330	.600	.250	.29
		LPH-1			.040	.038								
		LPH-2			.060	.058								
#10-32		LPH-0	1032	30	.030	.030	.300	.311	.530	.220	.335	.605	.312	.33
		LPH-1			.040	.038								
		LPH-2			.060	.058								
1/4-20	LPH-2	420	35	.060	.058	.350	.374	.625	.242	.385	.675	.375	.38	
METRIC (mm)	Thread Size	Type	Thread Code	Screw Length Code	Min.	T Max.	G ±.4	C Max.	D ±.25	Y ±.13	A1 Max.	A2 Nom.	+ .08 - .00	Min.
	M3 x 0.5	LPH-0	M3	30	.76	.76	7.62	5.48	10.31	5.13	8.26	15.11	5.5	6.6
		LPH-1			1	.97								
		LPH-2			1.5	1.48								
	M4 x 0.7	LPH-0	M4	30	.76	.76	7.62	6.38	11.89	5.26	8.38	15.24	6.4	7.37
		LPH-1			1	.97								
		LPH-2			1.5	1.48								
	M5 x 0.8	LPH-0	M5	30	.76	.76	7.62	7.98	13.46	5.59	8.51	15.37	8	8.38
		LPH-1			1	.97								
		LPH-2			1.5	1.48								
	M6 x 1	LPH-2	M6	35	1.5	1.48	8.89	9.48	15.88	6.12	9.78	17.15	9.5	9.65




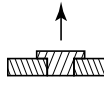

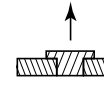
Low-Profile Panel Fastener

Series LPH


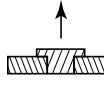

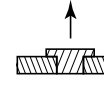


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Installation & Performance Data

		Sheet Material				
		5052-H34 Aluminum		Cold-rolled Steel (B-60 Max)		
						
Type	Thread Code	Installation Force (lbs.)	Pushout (lbs.)	Installation Force (lbs.)	Pushout (lbs.)	
INCH (in.)	LPH-0	440	2200	64	5000	90
	LPH-1			105		110
	LPH-2			185		300
	LPH-0	632	2400	66	5500	90
	LPH-1			105		130
	LPH-2			190		300
	LPH-0	832	2800	68	6000	90
	LPH-1			110		130
	LPH-2			200		300
	LPH-0	1032	3500	72	8000	95
	LPH-1			150		160
	LPH-2			260		425
LPH-2	420	4300	320	12000	450	

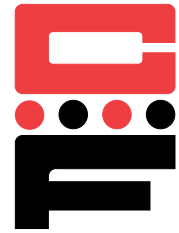
Installation & Performance Data

		Sheet Material				
		5052-H34 Aluminum		Cold-rolled Steel (B-60 Max)		
						
Type	Thread Code	Installation Force (kN)	Pushout (N)	Installation Force (kN)	Pushout (N)	
METRIC (mm)	LPH-0	M3	9.8	285	22.2	400
	LPH-1			465		489
	LPH-2			823		1334
	LPH-0	M4	12.5	302	26.7	400
	LPH-1			489		578
	LPH-2			890		1334
	LPH-0	M5	15.6	320	35.6	423
	LPH-1			667		712
	LPH-2			1156		1890
	LPH-2	M6	19.1	1423	53.4	2002



Pre-Assembled Panel Fasteners

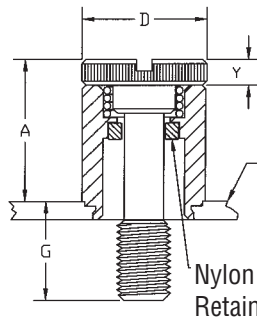
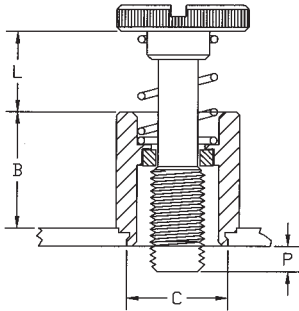
Series CPFC2



CPFC2 panel fasteners provide permanent attachment of screw assemblies to removable sheet metal panels. Pre-assembled screw assemblies remain captive for easy mounting and removal of panel.

Series	Material	Finish
CPFC2	300 Series Stainless Steel	Passivated ASTM A380

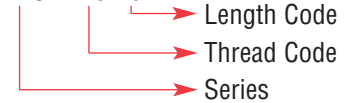
Thread: External 2A, ANSI B1.1 (6g, ANSI/ASME B1.13M).
Use in: Materials with Rockwell Hardness B-70 or less.



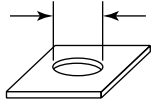
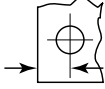
Min. Panel Thickness
.060 in. (1.5mm)

Part Number Structure:

CPFC2 440-40



Dimensions & Specifications

Thread Size	Part Number	G ± .016	P ± .016	L ± .016	D +.016 -.010	A Max.	Y ±.005	B ±.010	C Max.	 +.003 -.000	 Min.
#4-40	CPFC2440-40	.250	.000	.19	.31	.36	.072	.28	.264	.265	.25
	CPFC2440-62	.375	.125								
	CPFC2440-84	.500	.250								
#6-32	CPFC2632-40	.250	.000	.19	.34	.36	.072	.28	.280	.281	.28
	CPFC2632-62	.375	.125								
	CPFC2632-84	.500	.250								
#8-32	CPFC2832-50	.312	.000	.25	.38	.45	.082	.36	.311	.312	.31
	CPFC2832-72	.437	.125								
	CPFC2832-94	.562	.250								
#10-32	CPFC21032-50	.312	.000	.25	.41	.45	.082	.36	.343	.344	.34
	CPFC21032-72	.437	.125								
	CPFC21032-94	.562	.250								
1/4-20	CPFC2420-60	.375	.000	.31	.47	.58	.097	.47	.412	.413	.38
	CPFC2420-82	.500	.125								
	CPFC2420-04	.625	.250								

Continued on next page.



Pre-Assembled Panel Fasteners

Series CPFC2



Continued from previous page.

Dimensions & Specifications

	Thread Size	Part Number	G ± .4	P ± .4	L ± .4	D + .4 - .25	A Max.	Y ± .13	B ± .25	C Max.		
											+ .08 - .00	Min.
METRIC (mm)	M3 x 0.5	CPFC2M3-40	6.4	.0	4.8	7.9	9.1	1.83	7.2	6.7	6.75	6.4
		CPFC2M3-62	9.5	3.2								
		CPFC2M3-84	12.7	6.4								
	M4 x 0.7	CPFC2M4-50	7.9	.0	6.4	9.5	11.4	2.08	9.3	7.9	7.95	7.9
		CPFC2M4-72	11.1	3.2								
		CPFC2M4-94	14.3	6.4								
	M5 x 0.8	CPFC2M5-50	7.9	.0	6.4	10.3	11.4	2.08	9.3	8.7	8.75	8.7
		CPFC2M5-72	11.1	3.2								
		CPFC2M5-94	14.3	6.4								
	M6 x 1.0	CPFC2M6-60	9.5	.0	7.9	11.9	14.6	2.46	12.0	10.5	10.5	9.5
		CPFC2M6-82	12.7	3.2								
		CPFC2M6-04	15.9	6.4								

Installation & Performance Data

	Thread Size	Cold-rolled Steel		5052-H34 Aluminum	
		 Installation Force (lbs.)	 Pushout (lbs.)	 Installation Force (lbs.)	 Pushout (lbs.)
INCH (in.)	#4-40	3000	300	2400	240
	#6-32	3500	350	2700	275
	#8-32	3800	400	2900	300
	#10-32	4000	500	3000	400
	1/4-20	5000	600	3500	400
		(kN)	(N)	(kN)	(N)
METRIC (mm)	M3	13.3	1330	10.7	1070
	M4	16.9	1780	12.9	1330
	M5	17.8	2220	13.3	1780
	M6	22.2	2670	15.6	1780