

Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

870F001 Swing-Arm Saddle Clamp

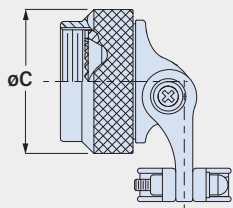
Self-Locking



Adapter Code **F**

This accessory fits these connectors:
MIL-DTL-38999 Series I and Series II

ALUMINUM AND SST VERSIONS



Aluminum and stainless steel versions have round knurled coupling nuts.

Self-locking, adjustable arms. 870F001 Swing-Arm saddle clamp fits MIL-DTL-38999 Series I and II connectors. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Arms have self-locking threaded inserts to withstand high vibration. Full radius saddles have self-locking clinch nuts. Available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Available in composite, aluminum or stainless steel.

PART NUMBER

870F001 XB 22 B

Base P/N **870F001**

Material/Finish

Composite
XB No Finish (Black)

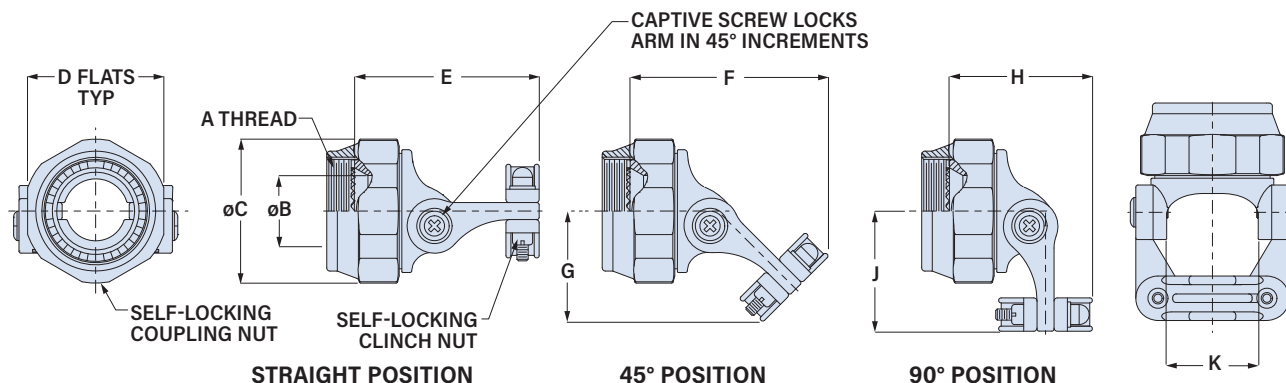
Aluminum
M Electroless Nickel
NF Olive Drab Cadmium
MT Nickel-PTFR
TZ Tin-Zinc
ZR Black Zinc-Nickel

Stainless Steel
ZI Passivated

Shell Size	Shell Size									
	38999 Series I	9	11	13	15	17	19	21	23	25
	38999 Series II	8	10	12	14	16	18	20	22	24
	Size Code	08	10	12	14	16	18	20	22	24

Clamp Size

A Standard Clamp
B Large Clamp



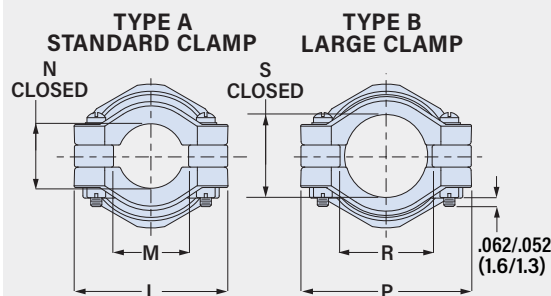
Shell Size	A Thread	øB Min	C Max	D Flats	E Max	F Max	G Max	H Max	J Max	K Ref.
	UNE-F-2B	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm	in mm
8/9	0.4375-28	.264 6.7	.812 20.6	.750 19.1	1.43 36.3	1.35 34.3	.78 19.8	.91 23.1	.87 22.1	.393 10.0
10/11	0.5625-24	.392 10.0	.938 23.8	.875 22.2	1.50 38.1	1.45 36.8	.87 22.1	.94 23.9	.96 24.4	.455 11.6
12/13	0.6875-24	.506 12.9	1.125 28.6	1.000 25.4	1.56 39.6	1.60 40.6	.97 24.6	1.12 28.4	1.03 26.2	.598 15.2
14/15	0.8125-20	.631 16.0	1.250 31.8	1.125 28.6	1.57 39.9	1.68 42.7	1.02 25.9	1.21 30.7	1.10 27.9	.710 18.0
16/17	0.9375-20	.756 19.2	1.375 34.9	1.250 31.8	1.66 42.2	1.78 45.2	1.09 27.7	1.29 32.8	1.16 29.5	.839 21.3
18/19	1.0625-18	.844 21.4	1.500 38.1	1.375 34.9	1.66 42.2	1.86 47.2	1.14 29.0	1.39 35.3	1.22 31.0	.934 23.7
20/21	1.1875-18	.970 24.6	1.625 41.3	1.500 38.1	1.81 46.0	2.02 51.3	1.24 31.5	1.50 38.1	1.29 32.8	1.068 27.1
22/23	1.3125-18	1.094 27.8	1.750 44.5	1.625 41.3	1.84 46.7	2.09 53.1	1.30 33.0	1.57 39.9	1.36 34.5	1.197 30.4
24/25	1.4375-18	1.219 31.0	1.875 47.6	1.750 44.5	2.00 50.8	2.20 55.9	1.45 36.8	1.64 41.7	1.55 39.4	1.323 33.6

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CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Shell Size	L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Shell Size	P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
08	.98	24.9	.22	5.6	.265	6.7	08	.98	24.9	.33	8.4	.356	9.0
10	1.05	26.7	.27	6.9	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	12	1.45	36.8	.62	15.7	.637	16.2
14	1.30	33.0	.47	11.9	.538	13.7	14	1.54	39.1	.68	17.3	.707	18.0
16	1.44	36.6	.55	14.0	.590	15.0	16	1.60	40.6	.80	20.3	.759	19.3
18	1.56	39.6	.62	15.7	.660	16.8	18	1.73	43.9	.90	22.9	.841	21.4
20	1.69	42.9	.70	17.8	.744	18.9	20	1.95	49.5	1.05	26.7	.996	25.3
22	1.77	45.0	.78	19.8	.826	21.0	22	2.08	52.8	1.18	30.0	1.060	26.9
24	1.89	48.0	.85	21.6	.896	22.8	24	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

Composite (Code XB)

Coupling nut, body, arms, saddles: polyetherimide (PEI), unplated

Screws, washers, inserts: stainless steel/passivated

Anti-decoupling springs: thermoplastic

Clinch Nuts: stainless steel, silver plated

Aluminum (Codes M, MT, NF, TZ, ZR)

Coupling nut, body, arms, saddles: aluminum

Screws, washers, inserts: stainless steel/passivated

Anti-decoupling springs: thermoplastic

Clinch Nuts: Codes M, MT, TZ and ZR:

stainless steel, silver plated.

Code NF: stainless steel/ olive drab cadmium

Stainless Steel (Code ZI)

Coupling nut, body, arms, saddles: SST

Screws, washers, inserts: stainless steel/passivated

Anti-decoupling springs: stainless steel

Clinch Nuts: stainless steel, silver plated