

Swing-Arm® Clamps

for MIL-DTL-38999 Series I and II Connectors

870F004 Swing-Arm Saddle Clamp, EMI Banding Adapter, Composite

Self-Locking



Adapter Code **F**

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

FIGURE 1

FINISH CODES NFS, BNS

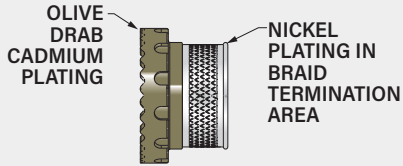


FIGURE 2

BANDING ADAPTER SLOTS



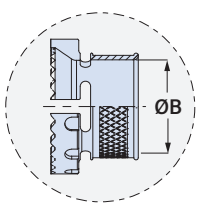
Route pigtail shield braids into optional "T" slots in banding adapter.

Shielded, self-locking, adjustable arms. 870F004 Swing-Arm saddle clamp fits MIL-DTL-38999 Series I and II connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Banding adapter has optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Full radius saddles with 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.

PART NUMBER

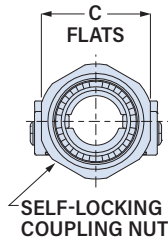
PART NUMBER										870F004	M	22	A	S	K
Base P/N										870F004					
Banding Adapter Material/Finish	M	Alum/Electroless Nickel													
	NF	Alum/Olive Drab Cadmium													
	NFS	Alum/O.D. Cadmium, selective (fig. 1)													
	MT	Alum/Nickel-PTFE													
	TZ	Alum/Tin-Zinc													
	BM	Brass/Electroless Nickel													
	BN	Brass/Olive Drab Cadmium													
Shell Size	BNS	Brass/O.D. Cadmium, selective (fig. 1)													
	BMT	Brass/Nickel-PTFE													
	Shell Size														
Shell Size	38999 Series I														
	9	11	13	15	17	19	21	23	25						
	38999 Series II														
Clamp Size	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													
Banding Adapter Slots	Omit if not required. See Figure 2.														
	S	"T" Slots in Banding Adapter for Shield Pigtails													
Band	Omit if not required.														
	K	Pre-Coiled Micro Band included With Clamp													
	J	Pre-Coiled Slim Micro Band included With Clamp													

DETAIL A



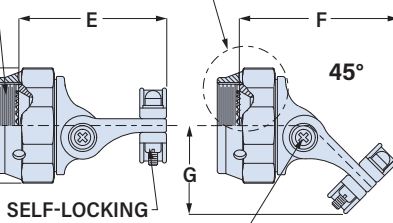
BANDING ADAPTER WITH OPTIONAL T-SLOTS

A THREAD



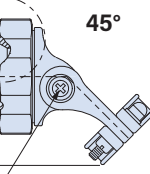
SELF-LOCKING COUPLING NUT

DETAIL A

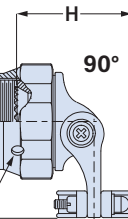


SELF-LOCKING CLINCH NUT

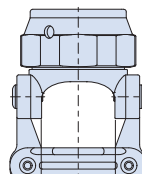
STRAIGHT



CAPTIVE SCREW LOCKS ARM IN 45° INCREMENTS



INSPECTION HOLES Ø.125 (3.18) 2X 180° APART



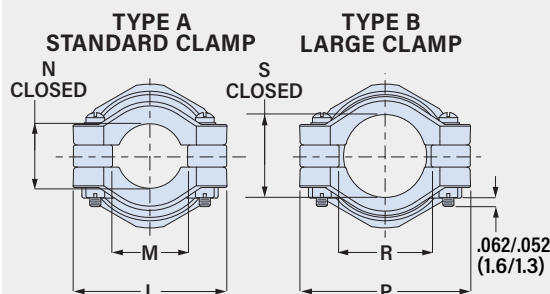
Shell Size	A Thread UNEF-2B	ø B Min in	mm	C Flats in	mm	D Max in	mm	E Max in	mm	F Max in	mm	G Max in	mm	H Max in	mm	J Max in	mm	K Ref. in	mm
8/9	0.4375-28	.178	4.5	.750	19.1	.812	20.6	1.53	38.9	1.46	37.1	.79	20.1	1.01	25.7	.86	21.8	.393	10.0
10/11	0.5625-28	.305	7.7	.875	22.2	.938	23.8	1.58	40.1	1.52	38.6	.83	21.1	1.04	26.4	.93	23.6	.455	11.6
12/13	0.6875-24	.404	10.3	1.000	25.4	1.125	28.6	1.66	42.2	1.67	42.4	.93	23.6	1.17	29.7	1.03	26.2	.598	15.2
14/15	0.8125-20	.526	13.4	1.125	28.6	1.250	31.8	1.67	42.4	1.76	44.7	1.00	25.4	1.28	32.5	1.10	27.9	.710	18.0
16/17	0.9375-20	.631	16.0	1.250	31.8	1.375	34.9	1.77	45.0	1.89	48.0	1.09	27.7	1.40	35.6	1.16	29.5	.839	21.3
18/19	1.0625-18	.748	19.0	1.375	34.9	1.500	38.1	1.77	45.0	1.96	49.8	1.14	29.0	1.50	38.1	1.22	31.0	.934	23.7
20/21	1.1875-18	.877	22.3	1.500	38.1	1.625	41.3	1.92	48.8	2.11	53.6	1.22	31.0	1.57	39.9	1.29	32.8	1.068	27.1
22/23	1.3125-18	.999	25.4	1.625	41.3	1.750	44.5	1.95	49.5	2.18	55.4	1.28	32.5	1.67	42.4	1.36	34.5	1.197	30.4
24/25	1.4375-18	1.127	28.6	1.750	44.5	1.875	47.6	1.98	50.3	2.25	57.2	1.34	34.0	1.73	43.9	1.43	36.3	1.323	33.6

Swing-Arm® Clamps

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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	.97	24.6	.22	5.6	.264	6.7	08	.98	24.9	.33	8.4	.356	9.0
10	1.03	26.2	.29	7.4	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
12	1.21	30.7	.34	8.6	.422	10.7	12	1.45	36.8	.62	15.7	.637	16.2
14	1.32	33.5	.45	11.4	.538	13.7	14	1.54	39.1	.68	17.3	.707	18.0
16	1.45	36.8	.55	14.0	.590	15.0	16	1.60	40.6	.80	20.3	.759	19.3
18	1.54	39.1	.65	16.5	.660	16.8	18	1.73	43.9	.90	22.9	.841	21.4
20	1.67	42.4	.74	18.8	.744	18.9	20	1.95	49.5	1.05	26.7	.996	25.3
22	1.79	45.5	.87	22.1	.826	21.0	22	2.08	52.8	1.18	30.0	1.060	26.9
24	1.92	48.8	.99	25.1	.896	22.8	24	2.32	58.9	1.30	33.0	1.124	28.5

MATERIAL/FINISH

Coupling nut, body, arms, saddles:
polyetherimide (PEI)/ unplated black
Screws, washers, inserts: stainless steel/
passivated
Anti-decoupling springs: thermoplastic
Banding adapter: aluminum alloy or brass
Band (optional): stainless steel/ passivated
Clinch Nuts: stainless steel/ silver plated

BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.



Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 - 12	601-061	601-601	8.125	206	.88	22.4
14 - 24	601-065	601-603	14.25	362	1.88	47.8