

Swing-Arm® Clamps

for MIL-DTL-38999 Series III and IV Connectors



870H004 Swing-Arm Saddle Clamp, EMI Banding Adapter, Composite

Self-Locking



Shielded, self-locking, adjustable arms. 870H004 Swing-Arm saddle clamp fits MIL-DTL-38999 Series III and IV 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

870H004 M 23 A S K

Adapter Code H

This accessory fits these connectors:
MIL-DTL-38999 Series III and Series IV

FIGURE 1

FINISH CODES **NFS**, **BNS**

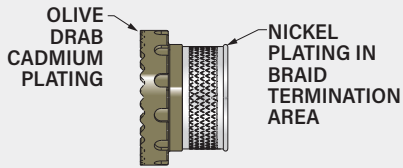
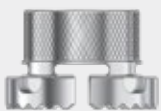


FIGURE 2

BANDING ADAPTER SLOTS



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

Base P/N **870H004**

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
- BNS** Brass/O.D. Cadmium, selective (fig. 1)
- BMT** Brass/Nickel-PTFE

Shell Size

Shell Size	9	11	13	15	17	19	21	23	25
Size Code	09	11	13	15	17	19	21	23	25

Clamp Size

A Standard Clamp
B Large Clamp

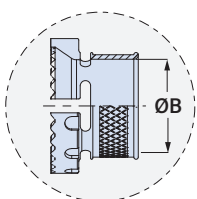
Banding Adapter Slots *Omit if not required. See Figure 2.*

S "T" Slots in Banding Adapter for Shield Pigtails

Band *Omit if not required.*

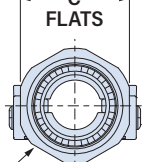
K Pre-Coiled Micro Band included With Clamp
J Pre-Coiled Slim Micro Band included With Clamp

DETAIL A



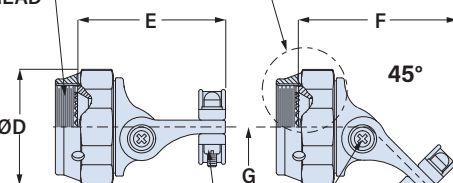
BANDING ADAPTER WITH OPTIONAL T-SLOTS

A THREAD



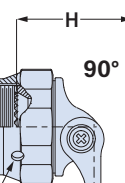
SELF-LOCKING COUPLING NUT

DETAIL A

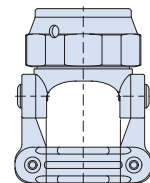


SELF-LOCKING CLINCH NUT STRAIGHT

CAPTIVE SCREW LOCKS ARM IN 45° INCREMENTS



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



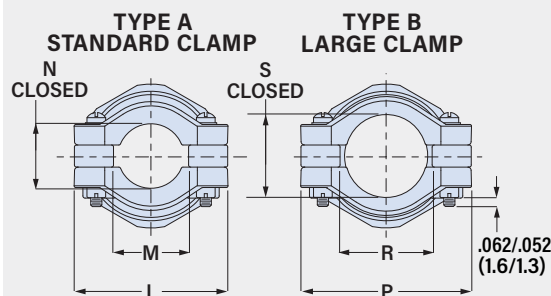
Shell Size	A Thread	ø B Min	C Flats	D Max	E Max	F Max	G Max	H Max	J Max	K Ref.
		in	mm	in	mm	in	mm	in	mm	in
9 (A)	M12X1.0-6H	.178	4.5	.750	19.1	.812	20.6	1.53	38.9	1.46
11 (B)	M15X1.0-6H	.305	7.7	.875	22.2	.938	23.8	1.58	40.1	1.52
13 (C)	M18X1.0-6H	.404	10.3	1.000	25.4	1.125	28.6	1.66	42.2	1.67
15 (D)	M22X1.0-6H	.526	13.4	1.125	28.6	1.250	31.8	1.67	42.4	1.76
17 (E)	M25X1.0-6H	.658	16.7	1.250	31.8	1.375	34.9	1.77	45.0	1.89
19 (F)	M28X1.0-6H	.777	19.7	1.375	34.9	1.500	38.1	1.77	45.0	1.96
21 (G)	M31X1.0-6H	.877	22.3	1.500	38.1	1.625	41.3	1.92	48.8	2.11
23 (H)	M34X1.0-6H	.999	25.4	1.625	41.3	1.750	44.5	1.95	49.5	2.18
25 (J)	M37X1.0-6H	1.127	28.6	1.750	44.5	1.875	47.6	1.98	50.3	2.25

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CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Shell Size	L Max		M Min		N Ref.		Shell Size	P Max		R Min		S Ref.	
	in	mm	in	mm	in	mm		in	mm	in	mm	in	mm
9 (A)	.97	24.6	.22	5.6	.264	6.7	9 (A)	.98	24.9	.33	8.4	.356	9.0
11 (B)	1.03	26.2	.29	7.4	.310	7.9	11 (B)	1.20	30.5	.45	11.4	.422	10.7
13 (C)	1.21	30.7	.34	8.6	.422	10.7	13 (C)	1.45	36.8	.62	15.7	.637	16.2
15 (D)	1.32	33.5	.45	11.4	.538	13.7	15 (D)	1.54	39.1	.68	17.3	.707	18.0
17 (E)	1.45	36.8	.55	14.0	.590	15.0	17 (E)	1.60	40.6	.80	20.3	.759	19.3
19 (F)	1.54	39.1	.65	16.5	.660	16.8	19 (F)	1.73	43.9	.90	22.9	.841	21.4
21 (G)	1.67	42.4	.74	18.8	.744	18.9	21 (G)	1.95	49.5	1.05	26.7	.996	25.3
23 (H)	1.79	45.5	.87	22.1	.826	21.0	23 (H)	2.08	52.8	1.18	30.0	1.060	26.9
25 (J)	1.92	48.8	.99	25.1	.896	22.8	25 (J)	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
9 - 13	601-061	601-601	8.125	206	.88	22.4
15 - 25	601-065	601-603	14.25	362	1.88	47.8