Swing-Arm® Clamps



for MIL-DTL-38999 Series III and IV Connectors

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

PART NUMBER

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.

870H004

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

OLIVE DRAB CADMIUM PLATING



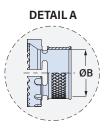
·NICKEL PLATING IN BRAID TERMINATION AREA

FIGURE 2 BANDING ADAPTER SLOTS

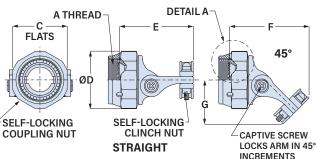


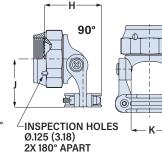
Route pigtail shield braids into optional "T" slots in banding adapter.

Base P/N 870H004 Alum/Electroless Nickel Alum/Olive Drab Cadmium NF Alum/O.D. Cadmium, selective (fig. 1) NFS MT Alum/Nickel-PTFE **Banding Adapter** TZ Alum/Tin-Zinc Material/Finish **Brass/Electroless Nickel** BN Brass/Olive Drab Cadmium Brass/O.D. Cadmium, selective (fig. 1) **BNS** Brass/Nickel-PTFE Shell 9 11 13 15 17 19 21 23 25 Size A B C D E F G H J **Shell Size** Size Code 09 11 13 15 17 Standard Clamp **Clamp Size** В **Large Clamp Banding Adapter** Omit if not required. See Figure 2. "T" Slots in Banding Adapter for Shield Pigtails **Slots** Omit if not required. K Pre-Coiled Micro Band included With Clamp Band









Pre-Coiled Slim Micro Band included With Clamp

Shell		ø B Min		C Flats		D Max		E Max		F Max		G Max		H Max		J Max		K Ref.	
Size	A Thread	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
9 (A)	M12X1.0-6H	.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
11 (B)	M15X1.0-6H	.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
13 (C)	M18X1.0-6H	.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
15 (D)	M22X1.0-6H	.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
17 (E)	M25X1.0-6H	.658	16.7	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
19 (F)	M28X1.0-6H	.777	19.7	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
21 (G)	M31X1.0-6H	.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
23 (H)	M34X1.0-6H	.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
25 (J)	M37X1.0-6H	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

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CLAMP DIMENSIONS Standard Clamp Large Clamp TYPE A STANDARD CLAMP TYPE B Shell Shell P Max L Max M Min N Ref. R Min S Ref. LARGE CLAMP Size in in Size in in in mm mm mm in mm mm mm N CLOSED 5.6 .264 9 (A) .97 24.6 .22 6.7 9 (A) .98 24.9 .33 8.4 .356 9.0 CLOSED 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 .422 1.45 .637 8.6 10.7 13 (C) 36.8 .62 15.7 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 1.73 .90 22.9 .841 21.4 19 (F) 43.9 .062/.052 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 (1.6/1.3)45.5 23 (H) 2.08 52.8 26.9 23 (H) 1.79 .87 22.1 .826 21.0 1.18 30.0 1.060 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.







Band Micro Band Tool 601-101

Slim Micro Band Tool 601-122

Shell Size	Band Part No.	Micro Band Part No.	Len in	gtn mm	in 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	