

MIL-DTL-38999 Series I Type 870F005 Swing-Arm® saddle clamp, EMI banding adapter, aluminum/SST



Self-Locking

FEATURES

- Aluminum or SS Swing-Arm saddle clamp with self-locking coupling nut for use with MIL-DTL-38999 Series I and II connectors and EMI/RFI shielded cable.
- "Do-Drop-In" banding adapter with optional T-Slot for band termination of individual and overall cable braid.
- Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap.
- Adjustable arms with captive screw-locks pivot to 0°, 45° or 90° positions.
- Full radius saddles have self-locking clinch nuts and are available in two clamp sizes: standard clamp fits most wire bundles, large clamp has increased clearance for oversize wire bundles.

HOW TO ORDER						
Sample Part Number	870F005	M	22	A	S	K
Basic Part Number	870F005					
Material/Finish	See Table 1.					
Shell Size	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					

TABLE 1: INTERFACE RING MATERIAL / FINISH			
Aluminum		Brass	
M	Electroless nickel	BM	Brass interface ring, nickel plated
MT	Nickel-PTFE	BMT	Brass interface ring, nickel-PTFE plated
NF	Olive drab cadmium	Z1	SST interface ring, passivated
NFS	Olive drab cadmium, selective (fig. 1)	ZM	SST interface ring, nickel plated
TZ	Tin-zinc		
ZR	Black zinc-nickel		

FIGURE 1

Material/ finish code **NFS**

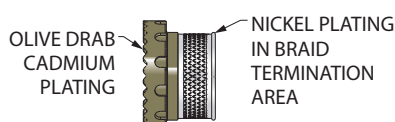
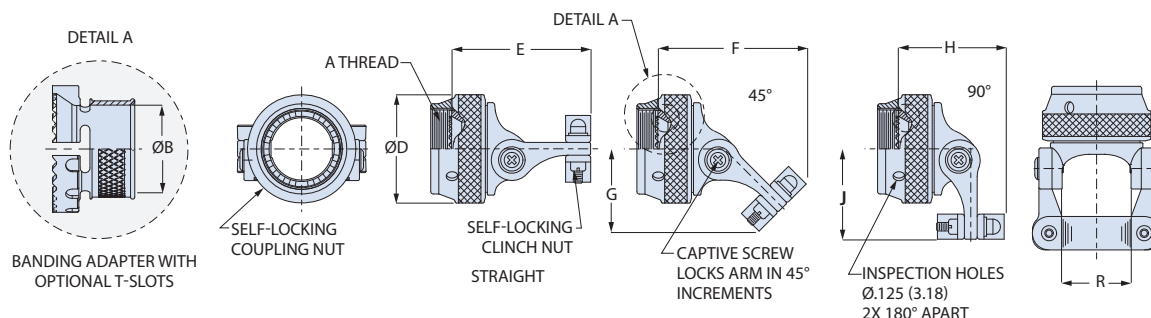
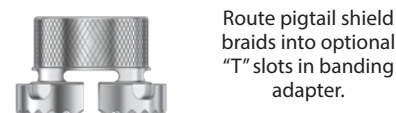


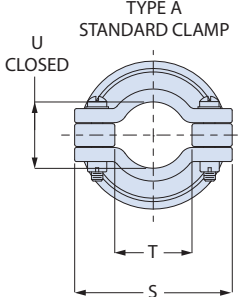
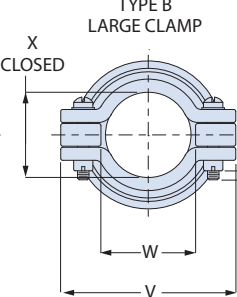
FIGURE 2

Banding adapter slots



Shell Size	A Thread UNEF-2B	Ø B Min	D Max	E Max	F Max	G Max	H Max	J Max	R Ref.
8/9	0.4375-28	.178 (4.52)	.812 (20.62)	1.55 (39.37)	1.45 (36.83)	.77 (19.56)	.98 (24.89)	.87 (22.10)	.393 (9.98)
10/11	0.5625-24	.305 (7.75)	.938 (23.83)	1.61 (40.89)	1.56 (39.62)	.87 (22.10)	1.05 (26.67)	.96 (24.38)	.455 (11.56)
12/13	0.6875-24	.404 (10.26)	1.125 (28.58)	1.66 (42.16)	1.71 (43.43)	.97 (24.64)	1.22 (30.99)	1.03 (26.16)	.598 (15.19)
14/15	0.8125-20	.526 (13.36)	1.250 (31.75)	1.67 (42.42)	1.79 (45.47)	1.02 (25.91)	1.32 (33.53)	1.10 (27.94)	.710 (18.03)
16/17	0.9375-20	.631 (16.03)	1.375 (34.92)	1.77 (44.96)	1.88 (47.75)	1.08 (27.43)	1.38 (35.05)	1.16 (29.46)	.839 (21.31)
18/19	1.0625-18	.748 (19.00)	1.500 (38.10)	1.77 (44.96)	1.96 (49.78)	1.13 (28.70)	1.49 (37.85)	1.22 (30.99)	.934 (23.72)
20/21	1.1875-18	.877 (22.28)	1.625 (41.28)	1.92 (48.77)	2.13 (54.10)	1.24 (31.50)	1.61 (40.89)	1.29 (32.77)	1.068 (27.13)
22/23	1.3125-18	.999 (25.37)	1.750 (44.45)	1.95 (49.53)	2.20 (55.88)	1.30 (33.02)	1.68 (42.67)	1.36 (34.54)	1.197 (30.40)
24/25	1.4375-18	1.127 (28.63)	1.875 (47.63)	2.10 (53.34)	2.31 (58.67)	1.39 (35.31)	1.75 (44.45)	1.55 (39.37)	1.323 (33.60)

MIL-DTL-38999 Series I Type
870F005 Swing-Arm® saddle clamp, EMI banding adapter, aluminum/SST

		CLAMP DIMENSIONS							
		Standard Clamp				Large Clamp			
		Shell Size	S Max	T Min	U Ref.	Shell Size	V Max	W Min	X Ref.
		08	.97 (24.64)	.22 (5.59)	.264 (6.71)	08	.98 (24.89)	.33 (8.38)	.356 (9.04)
		10	1.03 (26.16)	.29 (7.37)	.310 (7.87)	10	1.20 (30.48)	.45 (11.43)	.422 (10.72)
		12	1.21 (30.73)	.34 (8.64)	.422 (10.72)	12	1.45 (36.83)	.62 (15.75)	.637 (16.18)
		14	1.32 (33.53)	.45 (11.43)	.538 (13.67)	14	1.54 (39.12)	.68 (17.27)	.707 (17.96)
		16	1.45 (36.83)	.55 (13.97)	.590 (14.99)	16	1.60 (40.64)	.80 (20.32)	.759 (19.28)
		18	1.54 (39.12)	.65 (16.51)	.660 (16.76)	18	1.73 (43.94)	.90 (22.86)	.841 (21.36)
		20	1.67 (42.42)	.74 (18.80)	.744 (18.90)	20	1.95 (49.53)	1.05 (26.67)	.996 (25.30)
		22	1.79 (45.47)	.87 (22.10)	.826 (20.98)	22	2.08 (52.83)	1.18 (29.97)	1.060 (26.92)
		24	1.92 (48.77)	.99 (25.15)	.896 (22.76)	24	2.32 (58.93)	1.30 (33.02)	1.124 (28.55)

MATERIAL/FINISH

- Aluminum (Codes M, MT, NF, NFS 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, NFS: stainless steel/ olive drab cadmium
- Banding adapter: aluminum
- Band (optional): stainless steel/ passivated
- Stainless Steel (Codes BM, BMT, Z1, ZM)
- Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts: stainless steel, passivated
- Clinch nuts: stainless steel, silver plated
- Banding adapter:
 - Code BM: brass/ electroless nickel
 - Code BMT: brass/ nickel-PTFE
 - Code Z1: stainless steel/ passivated
 - Code ZM: stainless steel/ electroless nickel
- Band (optional): stainless steel/ passivated

BAND INFORMATION



Band



Micro Band Tool
601-101



Slim Micro Band Tool
601-122

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	Max Diameter
8 – 12	601-061	601-601	8.125 (206.38)	.88 (22.35)
14 – 24	601-065	601-603	14.25 (361.95)	1.88 (47.75)