

Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

871V003 Swing-Arm Flex Clamp with Braid Sock, Aluminum

Self-Locking



Shielded. Lightweight. Self-locking. Adjustable arms. 871V003 Swing-Arm Flex Clamp has aluminum coupling nut and body with thermoplastic flex arms. Fits Glenair Series 806 Mil-Aero connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

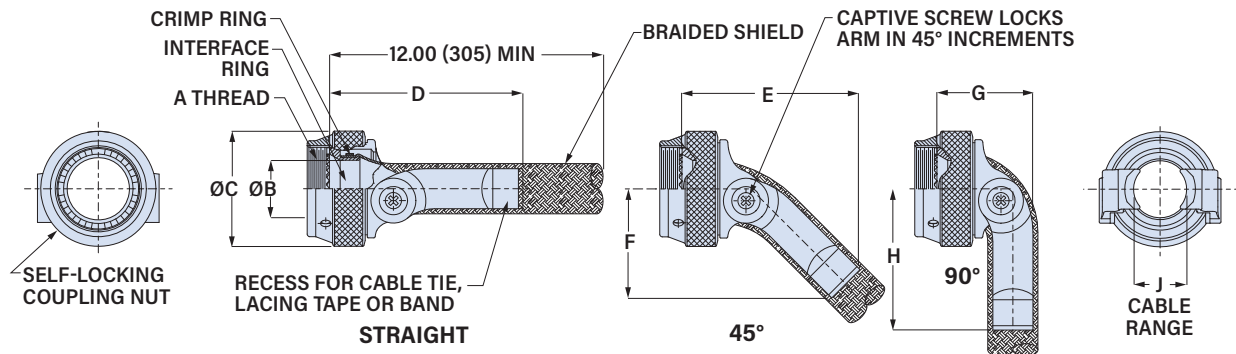
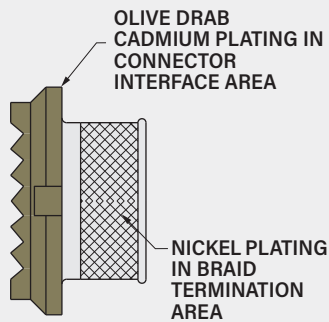
PART NUMBER

	871V003	BM	22	N	J	14
Base P/N	871V003					
Material/Finish	ME Electroless Nickel NF O. D. Cadmium, Selective (Figure 1) MT Nickel-PTFE TZ Tin-Zinc ZR Black Zinc-Nickel					
Shell Size	08 09 10 11 12 14 16 18 20 22 24					
Braid Type	N 34 AWG Nickel/Copper Braid T 34 AWG Tin/Copper Braid A AmberStrand® Nickel/Composite Braid L ArmorLite® Microfilament Nickel/SST Braid					
Splice Ring and Band	<i>Omit if not required</i> K Splice ring and standard band J Splice ring and slim standard band					
Braid Length	<i>Omit for standard 12 inch length</i> 14 Length in 1 inch increments, 6 inch min "14" = 14 inches.					

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

FIGURE 1
NF SELECTIVE FINISH



Shell Size	A Thread ISO Metric	ø B Min		ø C Max		D Max		E Max		F Max		G Max		H Max		J Ref.			
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Max	Min	in	mm
08	M10 x 1.0-6H	.264	6.7	.812	20.6	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
09	M12 x 1.0-6H	.264	6.7	.812	20.6	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
10	M14 x 1.0-6H	.390	9.9	.938	23.8	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
11	M15 x 1.0-6H	.390	9.9	.938	23.8	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
12	M17 x 1.0-6H	.504		1.125	28.6	2.05	52.1	1.85	47.0	1.07	27.2	1.01	25.7	1.41	35.8	.598	15.2	.157	4.0
14	M19 x 1.0-6H	.630		1.250	31.8	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
16	M22 x 1.0-6H	.630		1.250	31.8	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
18	M25 x 1.0-6H	.756		1.375	34.9	2.26	57.4	2.10	53.3	1.26	32.0	1.17	29.7	1.65	41.9	.839	21.3	.246	6.2
20	M28 x 1.0-6H	.843		1.500	38.1	2.26	57.4	2.10	53.3	1.32	33.5	1.17	29.7	1.71	43.4	.934	23.7	.277	7.0
22	M31 x 1.0-6H	.969		1.625	41.3	2.72	69.1	2.51	63.8	1.60	40.6	1.33	33.8	2.09	53.1	1.068	27.1	.313	8.0
24	M34 x 1.0-6H	1.091		1.750	44.5	2.72	69.1	2.51	63.8	1.64	41.7	1.33	33.8	2.13	54.1	1.197	30.4	.349	8.9

Swing-Arm® Clamps

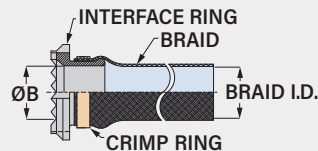
for Series 806 Mil-Aero Connectors

871V003 Swing-Arm Flex Clamp with Braid Sock, Aluminum

MATERIAL/FINISH

Coupling nut, body: aluminum
 Flex arms: PEEK (PEI)/unplated, black
 Screws, washers, inserts: stainless steel/passivated
 Anti-decoupling spring: thermoplastic
 Interface ring: aluminum
 Crimp ring: copper alloy/tin
 Splice ring (optional): thermoplastic
 Band (optional): stainless steel/passivated
Braid:
 Code N: 34 AWG nickel-coated copper
 Code T: 34 AWG tin-coated copper,
 Code A: *AmberStrand*® ultralightweight
 nickel-coated polymer
 Code L: *ArmorLite*® lightweight
 microfilament nickel-coated 316L
 stainless steel

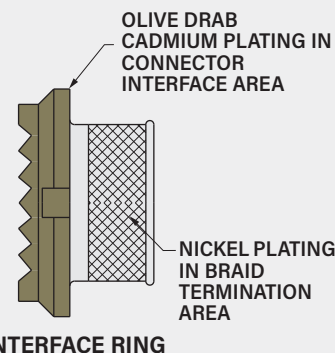
INTERFACE RING AND BRAID



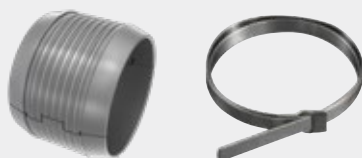
Shell Size	ØB Min In.	mm.	Braid I.D. In.	mm.
08	.264	6.7	.375	9.53
09	.264	6.7	.375	9.53
10	.390	9.9	.375	9.53
11	.390	9.9	.375	9.53
12	.510	13.0	.781	19.84
14	.510	13.0	.781	19.84
16	.671	17.0	.500	12.70
18	.788	20.0	.781	19.84
20	.881	22.4	.781	19.84
22	1.007	25.6	1.000	25.40
24	1.127	28.6	1.000	25.40

FIGURE 1

NF AND BN SELECTIVE FINISH



SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)



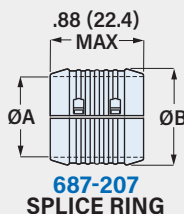
Splice Ring

Band

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap splice ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around splice ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Band Part Number		Splice Ring Part Number	ØA		ØB	
	Standard	Slim Standard		±.03 (0.8) in	mm	±.03 (0.8) in	mm
08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
09	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
11	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
12	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
14	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
16	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
18	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
20	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
22	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
24	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5



Banding Tool for Standard Band
601-100



Banding Tool for Slim Standard Band
601-109