

Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

870V002 Swing-Arm Saddle Clamp, Braid Sock, Composite

Self-Locking



Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

TABLE 1

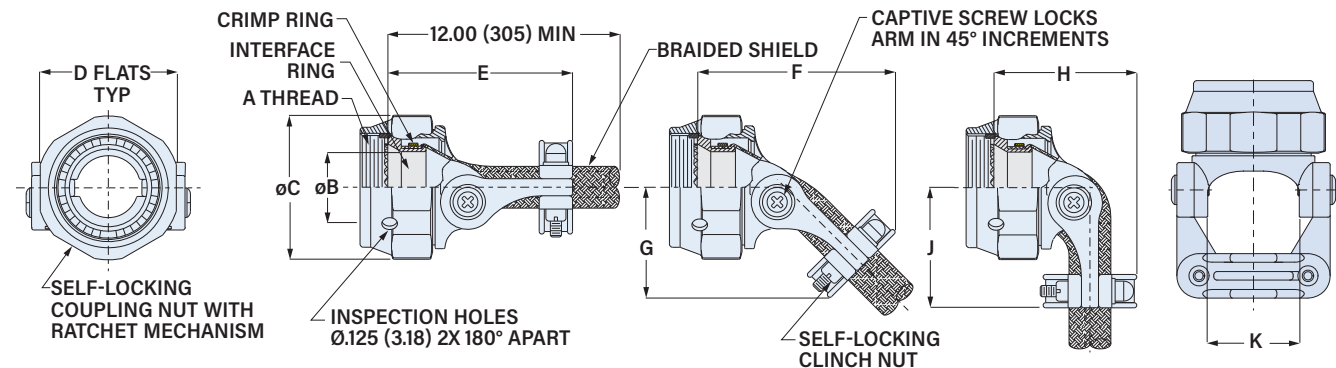
INTERFACE RING MATERIAL / FINISH

Aluminum	
ME	Electroless Nickel
NF	Olive Drab Cadmium and Electroless Nickel (Figure 1)
MT	Nickel-PTFE
TZ	Tin-Zinc
ZR	Black Zinc-Nickel
Brass	
BM	Electroless Nickel
BN	Olive Drab Cadmium and Electroless Nickel (Figure 1)
BMT	Nickel-PTFE

Shielded, self-locking, adjustable arms. 870V002 composite Swing-Arm saddle clamp 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®. Corrosion-resistant glass-reinforced thermoplastic meets AS85049 requirements. Full radius saddles have 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

	870V002	BM	22	A	N	J	14
Base P/N	870V002						
Interface Ring Material/Finish	See Table 1						
Shell Size	08 09 10 11 12 14 16 18 20 22 24						
Clamp Size	See Clamp Dimensions on next page A Standard Clamp B Large Clamp						
Braid Type	N 34 AWG Nickel/Copper Braid T 34 AWG Tin/Copper Braid A AmberStrand® Nickel/Composite Braid L Microfilament ArmorLite® Nickel/SST Braid						
Splice Ring and Band	Omit if not required K Splice ring and standard band J Splice ring and slim standard band						
Braid Length	Omit for standard 12 inch length 14 Length in 1 inch increments, 6 inch min "14" = 14 inches.						



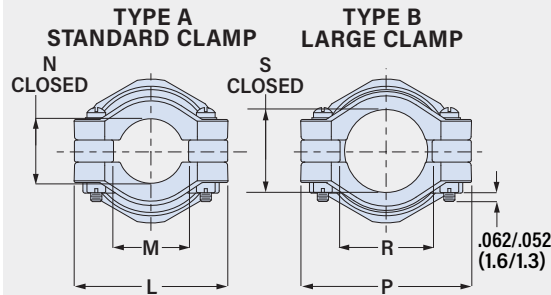
Shell Size	A Thread ISO Metric	øB Min in	mm	C Max in	mm	D Flats in	mm	E Max in	mm	F Max in	mm	G Max in	mm	H Max in	mm	J Max in	mm	K Ref. in	mm
08	M10 x 1.0-6H	.264	6.7	.812	20.6	.750	19.1	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
09	M12 x 1.0-6H	.264	6.7	.812	20.6	.750	19.1	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
10	M14 x 1.0-6H	.390	9.9	.938	23.8	.875	22.2	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
11	M15 x 1.0-6H	.390	9.9	.938	23.8	.875	22.2	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
12	M17 x 1.0-6H	.504	12.8	1.125	28.6	1.000	25.4	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
14	M19 x 1.0-6H	.630	16.0	1.250	31.8	1.125	28.6	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
16	M22 x 1.0-6H	.630	16.0	1.250	31.8	1.125	28.6	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
18	M25 x 1.0-6H	.756	19.2	1.375	34.9	1.250	31.8	1.73	43.9	1.86	47.2	1.08	27.4	1.36	34.5	1.13	28.7	.839	21.3
20	M28 x 1.0-6H	.843	21.4	1.500	38.1	1.375	34.9	1.73	43.9	1.93	49.0	1.12	28.4	1.46	37.1	1.20	30.5	.934	23.7
22	M31 x 1.0-6H	.969	24.6	1.625	41.3	1.500	38.1	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1
24	M34 x 1.0-6H	1.091	27.7	1.750	44.5	1.625	41.3	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4

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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	.98	24.9	.22	5.6	.265	6.7	08	.98	24.9	.33	8.4	.356	9.0
09	.98	24.9	.22	5.6	.265	6.7	09	.98	24.9	.33	8.4	.356	9.0
10	1.05	26.7	.27	6.9	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
11	1.05	26.7	.27	6.9	.310	7.9	11	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	12	1.45	36.8	.62	15.7	.637	16.2
14	1.30	33.0	.47	11.9	.538	13.7	14	1.54	39.1	.68	17.3	.707	18.0
16	1.30	33.0	.47	11.9	.538	13.7	16	1.54	39.1	.68	17.3	.707	18.0
18	1.44	36.6	.55	14.0	.590	15.0	18	1.60	40.6	.80	20.3	.759	19.3
20	1.56	39.6	.62	15.7	.660	16.8	20	1.73	43.9	.90	22.9	.841	21.4
22	1.69	42.9	.70	17.8	.744	18.9	22	1.95	49.5	1.05	26.7	.996	25.3
24	1.77	45.0	.78	19.8	.826	21.0	24	2.08	52.8	1.18	30.0	1.060	26.9

MATERIAL/FINISH

Coupling nut, body, arms, saddles: polyetherimide (PEI)/unplated

Screws, washers, inserts: stainless steel/passivated

Anti-decoupling spring: thermoplastic
interface Ring: brass or aluminum

Crimp ring: copper alloy/tin

Splice ring (optional): thermoplastic

Clinch nuts: stainless steel/silver

Band (optional): stainless steel/passivated

Braid:

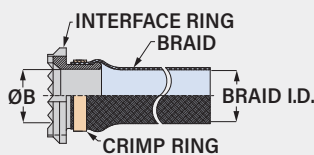
Code N: 34 AWG nickel-coated copper

Code T: 34 AWG tin-coated copper,

Code A: *AmberStrand*® ultralightweight nickel-coated polymer

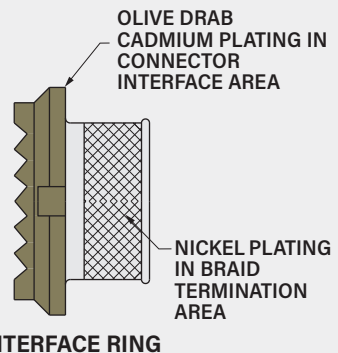
Code L: *ArmorLite*® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



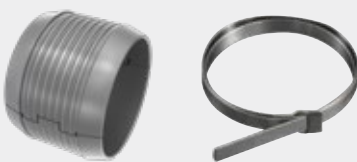
Shell Size	ØB Min In.	ØB Min mm.	Braid I.D. In.	Braid I.D. mm.
08	.264	6.7	.375	9.53
09	.264	6.7	.375	9.53
10	.390	9.9	.375	9.53
11	.390	9.9	.375	9.53
12	.504	12.8	.781	19.84
14	.592	15.0	.781	19.84
16	.630	16.0	.781	19.84
18	.756	19.2	.781	19.84
20	.843	21.4	.781	19.84
22	.969	24.6	1.000	25.40
24	1.091	27.7	1.000	25.40

FIGURE 1
NF AND BN SELECTIVE FINISH



INTERFACE RING

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



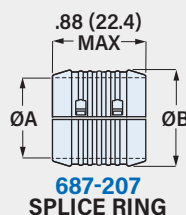
Splice Ring

Band

Optional splice support 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	±.03 (0.8) in	±.03 (0.8) mm	±.03 (0.8) in	±.03 (0.8) 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



687-207
SPLICE RING



Banding Tool for
Standard Band
601-100



Banding Tool for Slim
Standard Band
601-109