

Swing-Arm® Clamps

for Series 806 Mil-Aero Connectors

870V003 Swing-Arm Saddle Clamp, Braid Sock, SST/Aluminum

Self-Locking



Shielded, self-locking, adjustable arms. 870V003 stainless steel or aluminum 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®. 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.

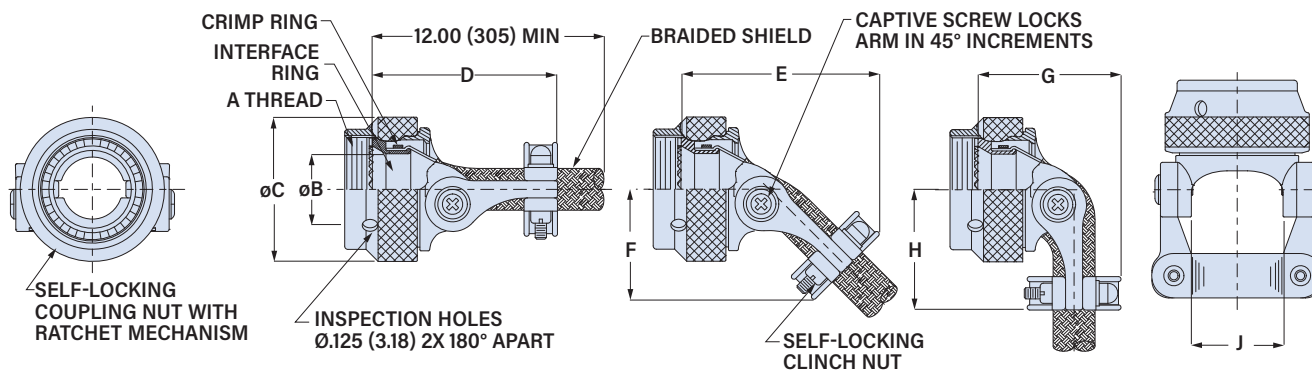
Adapter Code V
 This accessory fits Glenair Series 806 Mil-Aero connectors

TABLE 1 MATERIAL / FINISH

Aluminum	
ME	Electroless nickel
NF	Olive drab cadmium, selective (fig. 1)
MT	Nickel-PTFE
TZ	Tin-zinc
ZR	Black zinc-nickel
Stainless Steel, Passivated	
BM	Brass interface ring, nickel plated
BMT	Brass interface ring, nickel-PTFE plated
ZI	SST interface ring, passivated
ZM	SST interface ring, nickel plated

PART NUMBER

	870V003	ME	12	B	L	K	14
Base P/N	870V003						
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. See "Splice Ring and Band" on next page. 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.						



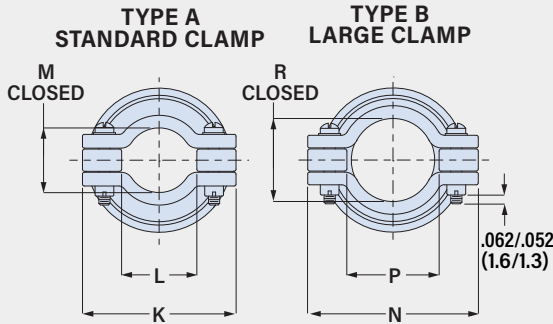
Shell Size	A Thread ISO Metric	ø B Min in	mm	ø C Max in	mm	D Max in	mm	E Max in	mm	F Max in	mm	G Max in	mm	H Max in	mm	J Ref. in	mm
08	M10 x 1.0-6H	.264	6.7	.812	20.6	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
09	M12 x 1.0-6H	.264	6.7	.812	20.6	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
10	M14 x 1.0-6H	.390	9.9	.938	23.8	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	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	1.62	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	1.63	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	1.63	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	1.73	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	1.73	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	1.88	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	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4

Swing-Arm® Clamps

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CLAMP DIMENSIONS



Standard Clamp						Large Clamp					
Shell Size	K Max in	K Max mm	L Min in	L Min mm	M Ref. in mm	Shell Size	N Max in	N Max mm	P Min in	P Min mm	R Ref. in 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

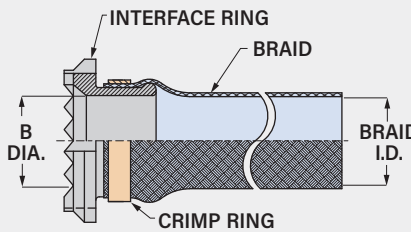
MATERIAL/FINISH

Aluminum (Codes M, MT, NF, TZ, ZR)
Coupling nut, body, arms, saddles, interface ring: aluminum
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
Clinch nuts: Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF: stainless steel/ olive drab cadmium

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
Interface ring: brass (codes BM, BMT) or stainless steel (Z1, ZM)

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



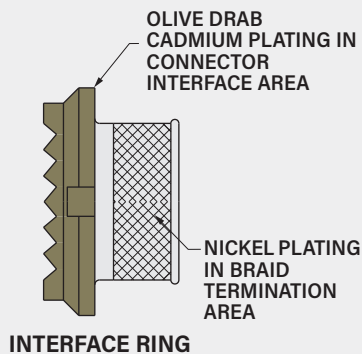
Shell Size	øB Min in.	øB Min mm.	Braid I.D. in.	Braid I.D. mm.
08	.264	6.7	.375	9.53
09	.264	6.7	.375	9.53
10	.390	9.9	.375	9.53
11	.390	9.9	.375	9.53
12	.504	12.8	.781	19.84
14	.592	15.0	.781	19.84
16	.630	16.0	.781	19.84
18	.756	19.2	.781	19.84
20	.843	21.4	.781	19.84
22	.969	24.6	1.000	25.40
24	1.091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

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

Optional splice ring provides a reliable, low resistance method of splicing Swing-Arm braid sock 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.



FIGURE 1
NF SELECTIVE FINISH



Shell Size	Band Part Number		Split Ring Part Number	øA		øB	
	Standard	Slim Standard		±.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
10	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	687-207XB10	.63	16.0	.78	19.8
16	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
18	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
20	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
22	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5
24	601-041	601-573	687-207XB20	1.25	31.8	1.40	35.6