

Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

870M002 Swing-Arm Saddle Clamp, Braid Sock, Composite

Self-Locking



Adapter Code **M**

This accessory fits Series 80 Mighty Mouse Connectors

TABLE 1

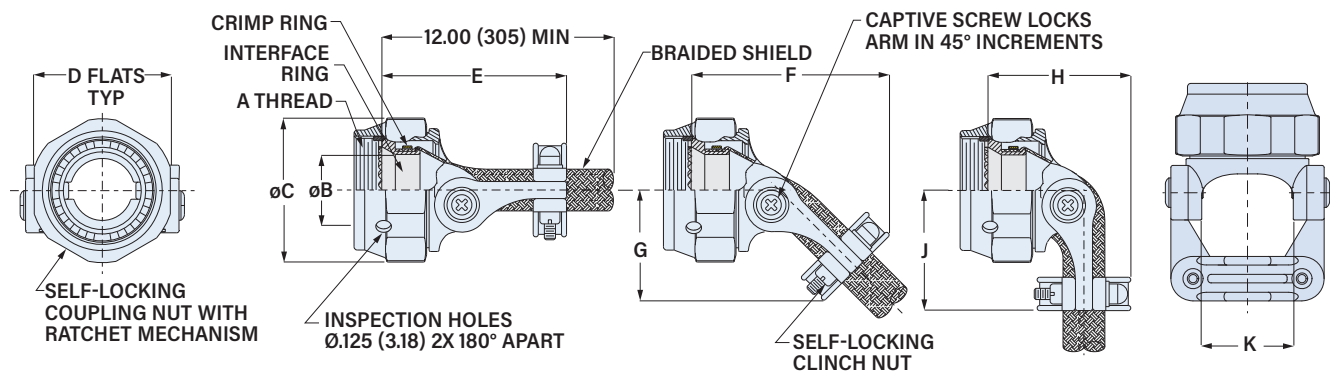
INTERFACE RING MATERIAL / FINISH

Aluminum	
M	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. 870M002 composite Swing-Arm saddle clamp fits Glenair Series 80 Mighty Mouse 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

	870M002	BM	12	A	N	J	14
Base P/N	870M002						
Interface Ring Material/Finish	See Table 1						
Shell Size	07 08 09 10 12 13 14 16 17						
	See table below for size code						
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.						



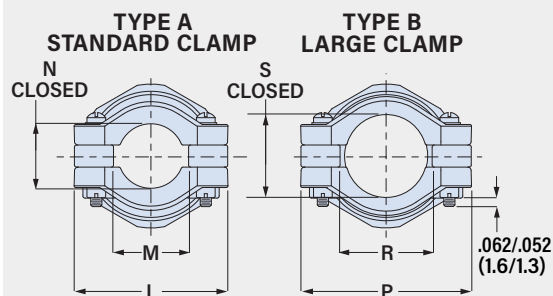
Shell Size		SERIES 801																			
Size	Series	Series	A	øB Min		øC Max		D Flats Max		E Max		F Max		G Max		H Max		J Max		K Ref.	
Code	800, 801, 803, 804	805	Thread UNEF-2B	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
07	7	9	0.4375-28	.264	6.7	.812	20.6	.750	19.1	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
08	8	10	0.500-28	.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	9	11	0.5625-24	.392	10.0	.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
10	10	12	0.625-24	.392	10.0	.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	11, 12, 13	13	0.6875-24	.506	12.9	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
13	N/A	15	0.750-20	.506	12.9	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	14, 15, 16, 17	18, 19	0.9375-20	.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
16	19	21	1.0625-18	.844	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
17	21	23	1.1875-18	.970	24.6	1.625	41.3	1.500	38.1	1.73	43.9	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1

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CLAMP DIMENSIONS

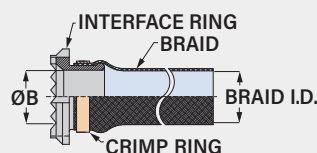


Standard Clamp							Large Clamp						
Size Code	L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Size Code	P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
07	.98	24.9	.22	5.6	.265	6.7	07	.98	24.9	.33	8.4	.356	9.0
08	.98	24.9	.22	5.6	.265	6.7	08	.98	24.9	.33	8.4	.356	9.0
09	1.05	26.7	.27	6.9	.310	7.9	09	1.20	30.5	.45	11.4	.422	10.7
10	1.05	26.7	.27	6.9	.310	7.9	10	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
13	1.20	30.5	.35	8.9	.422	10.7	13	1.45	36.8	.62	15.7	.637	16.2
14	1.44	36.6	.55	14.0	.590	15.0	14	1.60	40.6	.80	20.3	.759	19.3
16	1.56	39.6	.62	15.7	.660	16.8	16	1.73	43.9	.90	22.9	.841	21.4
17	1.69	42.9	.70	17.8	.744	18.9	17	1.95	49.5	1.05	26.7	.996	25.3

MATERIAL/FINISH

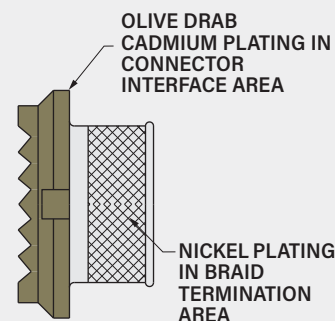
Coupling nut, body, arms, saddles: polyetherimide (PEI)/unplated
 Screws, washers, inserts: stainless steel/passivated
 Anti-decoupling spring: thermoplastic
 Interface ring: brass or aluminum
 Crimp ring: copper alloy/tin
 Splice ring (optional): thermoplastic
 Clinch Nuts: stainless steel/silver
 Band (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



Size Code	Ø B Min in	Ø B Min mm	Braid I.D. in	Braid I.D. mm
07	.264	6.7	.375	9.53
08	.264	6.7	.375	9.53
09	.392	10.0	.375	9.53
10	.392	10.0	.375	9.53
12	.506	12.9	.500	12.70
13	.506	12.9	.500	12.70
14	.756	19.2	.781	19.84
16	.844	21.4	1.000	25.40
17	.970	24.6	1.000	25.40

FIGURE 1
NF AND BN SELECTIVE FINISH



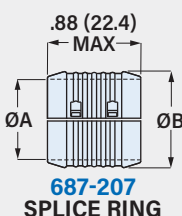
INTERFACE RING

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



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.



687-207
SPLICE RING



Banding Tool for
Standard Band
601-100



Banding Tool for Slim
Standard Band
601-109

Size Code	Band Part Number		Splice Ring Part Number	± .03 (0.8)		± .03 (0.8)	
	Standard	Slim Standard		in	mm	in	mm
07, 08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
09, 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
13	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
14	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
16	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
17	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2