

Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

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

Self-Locking



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.

Adapter Code **M**

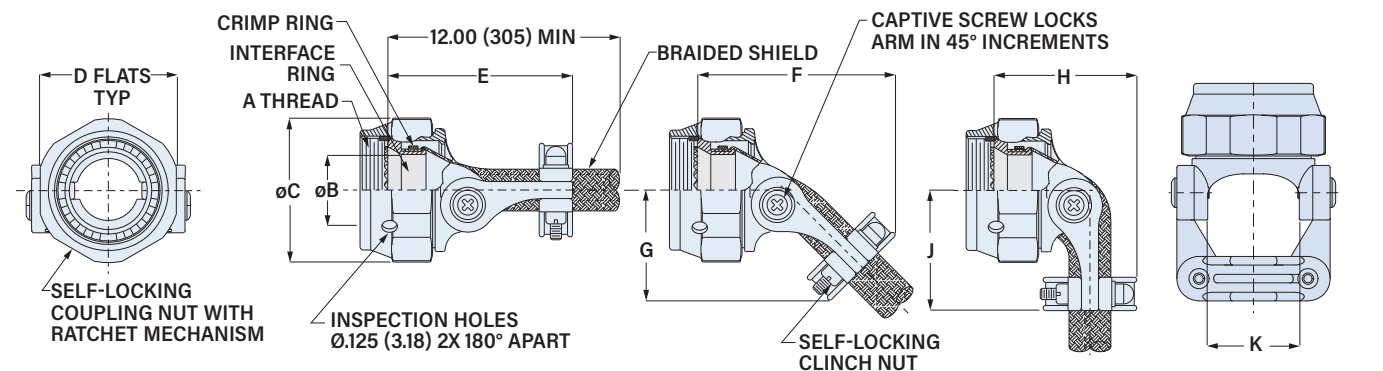
This accessory fits Series 80 Mighty Mouse Connectors

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

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.						



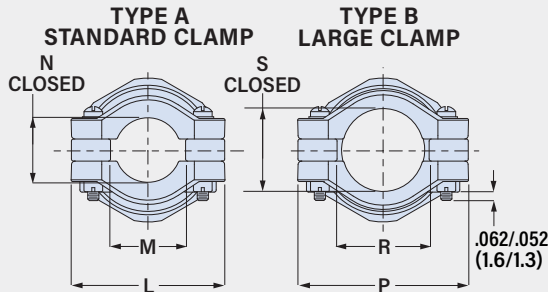
Size Code	Shell Size Series		A Thread UNEF-2B	øB Min		øC Max		D Flats Max		E Max		F Max		G Max		H Max		J Max		K Ref.	
	800, 801, 803, 804	Series 805		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		
07	7	9	0.4375-28	.264	6.7	.812	20.6	.750	19.1	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
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

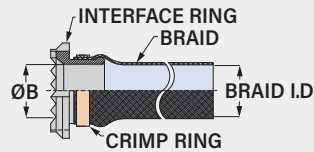


Standard Clamp								Large Clamp							
Size Code	L Max		M Min		N Ref.		Size Code	P Max		R Min		S Ref.			
	in	mm	in	mm	in	mm		in	mm	in	mm	in	mm		
07	.98	24.9	.22	5.6	.265	6.7	07	.98	24.9	.33	8.4	.356	9.0		
08	.98	24.9	.22	5.6	.265	6.7	08	.98	24.9	.33	8.4	.356	9.0		
09	1.05	26.7	.27	6.9	.310	7.9	09	1.20	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

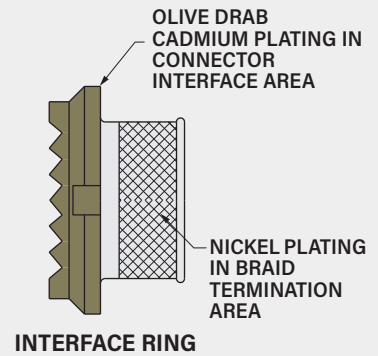
- Coupling nut, body, arms, saddles: polyetherimide (PEI)/unplated
- Screws, washers, inserts: stainless steel/passivated
- Anti-decoupling spring: thermoplastic
- interface ring: brass or aluminum
- Crimp ring: copper alloy/tin
- Splice ring (optional): thermoplastic
- Clinch Nuts: stainless steel/silver
- 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	Braid I.D.
	in	mm
07	.264	6.7
08	.264	6.7
09	.392	10.0
10	.392	10.0
12	.506	12.9
13	.506	12.9
14	.756	19.2
16	.844	21.4
17	.970	24.6

FIGURE 1
NF AND BN SELECTIVE FINISH



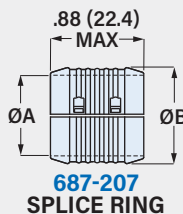
SPLICE RING AND PRE-COILED BAND (K AND J OPTIONS)



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.

Size Code	Band Part Number		Splice Ring Part Number	ØA		ØB	
	Standard	Slim Standard		± .03 (0.8)	± .03 (0.8)		
				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



Banding Tool for Standard Band
601-100



Banding Tool for Slim Standard Band
601-109