

Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

871M002 Swing-Arm Flex Clamp with Braid Sock, Composite

Self-Locking



Shielded. Lightweight. Self-locking. Adjustable arms. 871M002 Swing-Arm Flex 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 high performance thermoplastic meets AS85049 requirements. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

PART NUMBER

871M002 BM 12 N J 14

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

TABLE 1

INTERFACE RING MATERIAL/ FINISH

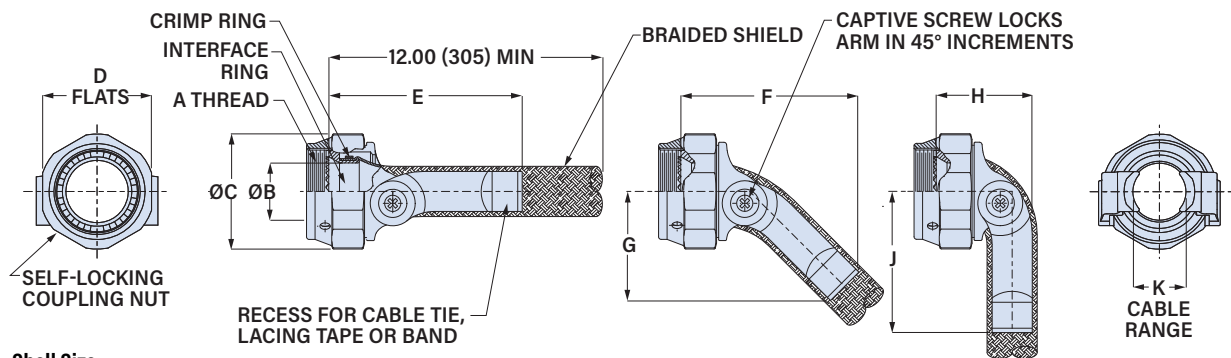
Aluminum

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

Base P/N	871M002
Interface Ring Material /Finish	See Table 1
Shell Size	07 08 09 10 12 13 14 16 17 See table below for size code
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	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																				K Ref.			
Series	800, 801, 803, 804	Series 805	A Thread UNF-2B	ø B ± .015 (0.4)		ø C Max		D Flats		E Max		F Max		G Max		H Max		J Max		Max		Min	
Size Code				in	mm	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	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
08	8	10	0.500-28	.264	6.7	.812	20.6	.750	19.1	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	9	11	0.5625-24	.392	10.0	.938	23.8	.875	22.2	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
10	10	12	0.625-24	.392	10.0	.938	23.8	.875	22.2	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	11, 12, 13	13	0.6875-24	.506	12.9	1.125	28.6	1.000	25.4	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
13	N/A	15	0.750-20	.506	12.9	1.125	28.6	1.000	25.4	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	14, 15, 16, 17	18, 19	0.9375-20	.756	19.2	1.375	34.9	1.250	31.8	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
16	19	21	1.0625-18	.844	21.4	1.500	38.1	1.375	34.9	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
17	21	23	1.1875-18	.970	24.6	1.625	41.3	1.500	38.1	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

Swing-Arm® Clamps

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MATERIAL/FINISH

Coupling nut, body: polyetherimide (PEI)/unplated, black

Flex arms: PEEK (PEI)/unplated, black

Screws, washers, inserts: stainless steel/passivated

Anti-decoupling spring: thermoplastic

Interface ring: brass or 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,

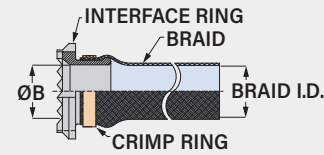
Code A: *AmberStrand*® ultralightweight

nickel-coated polymer

Code L: *ArmorLite*® lightweight

microfilament nickel-coated 316L stainless steel

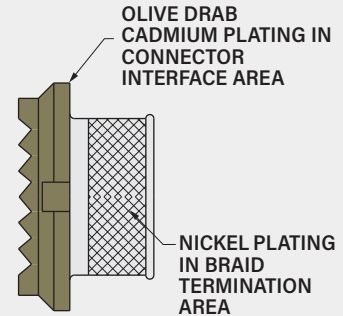
INTERFACE RING AND BRAID



Size Code	Ø B Min in	mm	Braid I.D. in	mm
07	.262	6.7	.375	9.53
08	.262	6.7	.375	9.53
09	.391	9.9	.375	9.53
10	.391	9.9	.375	9.53
12	.505	12.8	.500	12.70
13	.505	12.8	.500	12.70
14	.757	19.2	.781	19.84
16	.843	21.4	1.000	25.40
17	.969	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)



Splice Ring

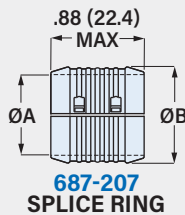


Band

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.

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



687-207 SPLICE RING



Banding Tool for Standard Band
601-100



Banding Tool for Slim Standard Band
601-109