

# Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

## 870M004 Swing-Arm Saddle Clamp, EMI Banding Adapter, Composite

**Self-Locking**



**Shielded, self-locking, adjustable arms.** 870M004 Swing-Arm saddle clamp fits Glenair Series 80 Mighty Mouse connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Banding adapter has optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Full radius saddles with 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

**FIGURE 1**  
FINISH CODES **NFS, BNS**

OLIVE DRAB CADMIUM PLATING

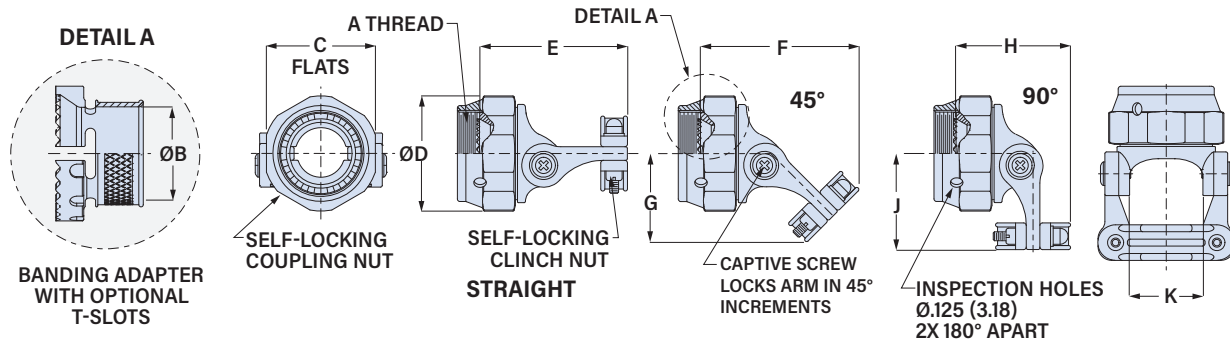
NICKEL PLATING IN BRAID TERMINATION AREA

**FIGURE 2**  
BANDING ADAPTER SLOTS

Route pigtail shield braids into optional "T" slots in banding adapter.

**PART NUMBER**

	<b>870M004</b>	<b>M</b>	<b>12</b>	<b>A</b>	<b>S</b>	<b>K</b>
<b>Base P/N</b>	<b>870M004</b>					
<b>Banding Adapter Material/Finish</b>	<p><b>M</b> Alum/Electroless Nickel</p> <p><b>NF</b> Alum/Olive Drab Cadmium</p> <p><b>NFS</b> Alum/O.D. Cadmium, selective (fig. 1)</p> <p><b>MT</b> Alum/Nickel-PTFE</p> <p><b>TZ</b> Alum/Tin-Zinc</p> <p><b>BM</b> Brass/Electroless Nickel</p> <p><b>BN</b> Brass/Olive Drab Cadmium</p> <p><b>BNS</b> Brass/O.D. Cadmium, selective (fig. 1)</p> <p><b>BMT</b> Brass/Nickel-PTFE</p>					
<b>Shell Size</b>	<b>07 08 09 10 12 13 14 16 17</b>					
	See table below for size code					
<b>Clamp Size</b>	<b>A</b> Standard Clamp					
	<b>B</b> Large Clamp					
<b>Banding Adapter Slots</b>	Omit if not required. See Figure 2.					
	<b>S</b> "T" Slots in Banding Adapter for Shield Pigtails					
<b>Band</b>	Omit if not required.					
	<b>K</b> Pre-Coiled Micro Band included With Clamp					
	<b>J</b> Pre-Coiled Slim Micro Band included With Clamp					



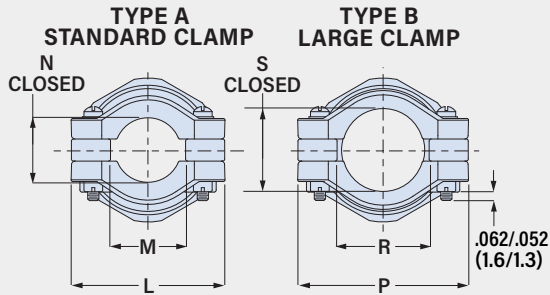
Size Code	Shell Size Series		A Thread UNEF-2B	B Min		C Flats Max		øD Max		E Max		F Max		G Max		H Max		J Max		K Ref.	
	800, 801, 803, 804	805		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		
07	7	9	0.4375-28	.178	4.5	.750	19.1	.812	20.6	1.53	38.9	1.46	37.1	.79	20.1	1.01	25.7	.86	21.8	.393	10.0
08	8	10	0.500-28	.178	4.5	.750	19.1	.812	20.6	1.53	38.9	1.46	37.1	.79	20.1	1.01	25.7	.86	21.8	.393	10.0
09	9	11	0.5625-24	.305	7.7	.875	22.2	.938	23.8	1.58	40.1	1.52	38.6	.83	21.1	1.04	26.4	.93	23.6	.455	11.6
10	10	12	0.625-24	.305	7.7	.875	22.2	.938	23.8	1.58	40.1	1.52	38.6	.83	21.1	1.04	26.4	.93	23.6	.455	11.6
12	11, 12, 13	13	0.6875-24	.404	10.3	1.000	25.4	1.125	28.6	1.66	42.2	1.67	42.4	.93	23.6	1.17	29.7	1.03	26.2	.598	15.2
13	N/A	15	0.750-20	.404	10.3	1.000	25.4	1.125	28.6	1.66	42.2	1.67	42.4	.93	23.6	1.17	29.7	1.03	26.2	.598	15.2
14	14, 15, 16, 17	18, 19	0.9375-20	.631	16.0	1.250	31.8	1.375	34.9	1.77	45.0	1.89	48.0	1.09	27.7	1.40	35.6	1.16	29.5	.839	21.3
16	19	21	1.0625-18	.748	19.0	1.375	34.9	1.500	38.1	1.77	45.0	1.96	49.8	1.14	29.0	1.50	38.1	1.22	31.0	.934	23.7
17	21	23	1.1875-18	.877	22.3	1.500	38.1	1.625	41.3	1.92	48.8	2.11	53.6	1.22	31.0	1.57	39.9	1.29	32.8	1.068	27.1

# Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

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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 black
- Screws, washers, inserts: stainless steel/ passivated
- Anti-decoupling springs: thermoplastic
- Banding adapter: aluminum alloy or brass
- Band (optional): stainless steel/ passivated
- Clinch Nuts: stainless steel/ silver plated

### BAND INFORMATION

Terminate cable braid to band adapter with optional pre-coiled banding strap. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.



Size Code	Pre-Coiled Micro Band Part No.	Pre-Coiled Slim Micro Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
07 - 12	<b>601-061</b>	<b>601-601</b>	8.125	206	.88	22.4
13 - 17	<b>601-065</b>	<b>601-603</b>	14.25	362	1.88	47.8