Swing-Arm® Clamps

for Series 80 Mighty Mouse Connectors

870M005 Swing-Arm Saddle Clamp, EMI Banding Adapter, Aluminum/SST

Glenair®

Self-Locking

Shielded, self-locking, adjustable arms. 870M005 aluminum or stainless steel 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

PART NUMBER

870M005	M	13	A	S	K

Base P/N	**870M005**
Material/Finish	*See Table 1*
Shell Size	**07 08 09 10 12 13 14 16 17** *See table below for size code*
Clamp Size	**A** Standard Clamp **B** Large Clamp
Banding Adapter Slots	*Omit if not required. See Figure 2.* **S** "T" Slots in Banding Adapter for Shield Pigtails
Band	*Omit if not required.* **K** Pre-Coiled Micro Band included With Clamp **J** Pre-Coiled Slim Micro Band included With Clamp

TABLE 1 MATERIAL / FINISH

Aluminum	
M	Electroless nickel
MT	Nickel-PTFE
NF	Olive drab cadmium
NFS	Olive drab cadmium, selective (fig. 1)
TZ	Tin-zinc
ZR	Black zinc-nickel
Stainless Steel, Passivated	
BM	Brass interface ring, nickel plated
BMT	Brass interface ring, nickel-PTFE plated
Z1	SST interface ring, passivated
ZM	SST interface ring, nickel plated

FIGURE 1
MATERIAL/ FINISH CODE *NFS*

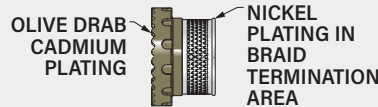OLIVE DRAB CADMIUM PLATING

NICKEL PLATING IN BRAID TERMINATION AREA
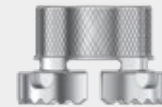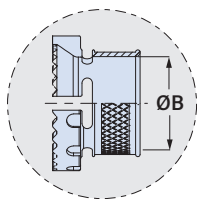
FIGURE 2
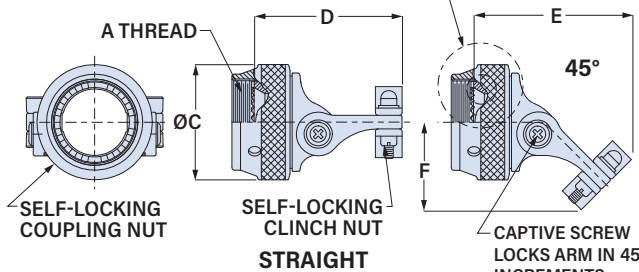#### BANDING ADAPTER SLOTS

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

DETAIL A

ØB
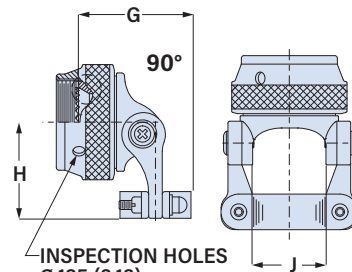
BANDING ADAPTER WITH OPTIONAL T-SLOTS

A THREAD

SELF-LOCKING COUPLING NUT

ØC

D

DETAIL A

SELF-LOCKING CLINCH NUT
STRAIGHT

E

45°

CAPTIVE SCREW LOCKS ARM IN 45° INCREMENTS

F

G

90°

H

INSPECTION HOLES Ø.125 (3.18) 2X 180° APART

J

	Shell Size Series		A Thread UNEF-2B	B Min		øC Max		D Max		E Max		F Max		G Max		H Max		J Ref.	
Size Code	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	.178	4.5	.812	20.6	1.55	39.4	1.45	36.8	.77	19.6	.98	24.9	.87	22.1	.393	10.0
08	8	10	0.500-28	.178	4.5	.812	20.6	1.55	39.4	1.45	36.8	.77	19.6	.98	24.9	.87	22.1	.393	10.0
09	9	11	0.5625-24	.305	7.7	.938	23.8	1.61	40.9	1.56	39.6	.87	22.1	1.05	26.7	.96	24.4	.455	11.6
10	10	12	0.625-24	.305	7.7	.938	23.8	1.61	40.9	1.56	39.6	.87	22.1	1.05	26.7	.96	24.4	.455	11.6
12	11, 12, 13	13	0.6875-24	.404	10.3	1.125	28.6	1.66	42.2	1.71	43.4	.97	24.6	1.22	31.0	1.03	26.2	.598	15.2
13	N/A	15	0.750-20	.404	10.3	1.125	28.6	1.66	42.2	1.71	43.4	.97	24.6	1.22	31.0	1.03	26.2	.598	15.2
14	14, 15, 16, 17	18, 19	0.9375-20	.631	16.0	1.375	34.9	1.77	45.0	1.88	47.8	1.08	27.4	1.38	35.1	1.16	29.5	.839	21.3
16	19	21	1.0625-18	.748	19.0	1.500	38.1	1.77	45.0	1.96	49.8	1.13	28.7	1.49	37.8	1.22	31.0	.934	23.7
17	21	23	1.1875-18	.877	22.3	1.625	41.3	1.92	48.8	2.13	54.1	1.24	31.5	1.61	40.9	1.29	32.8	1.068	27.1

CLAMP DIMENSIONS

TYPE A
STANDARD CLAMP
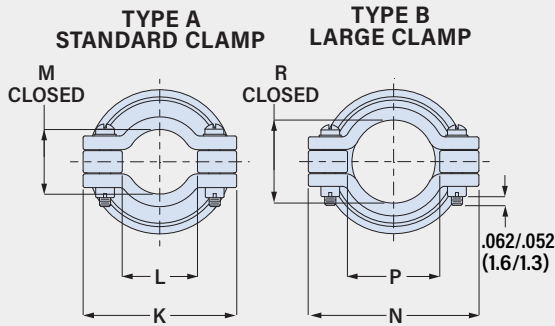
TYPE B
LARGE CLAMP

Size Code	Standard Clamp								Shell Size	Large Clamp							
	K Max		L Min		M Ref.					N Max		P Min		R Ref.			
	in	mm	in	mm	in	mm				in	mm	in	mm	in	mm		
07	.97	24.6	.22	5.6	.264	6.7			07	.98	24.9	.33	8.4	.356	9.0		
08	.97	24.6	.22	5.6	.264	6.7			08	.98	24.9	.33	8.4	.356	9.0		
09	1.03	26.2	.29	7.4	.310	7.9			09	1.20	30.5	.45	11.4	.422	10.7		
10	1.03	26.2	.29	7.4	.310	7.9			10	1.20	30.5	.45	11.4	.422	10.7		
12	1.21	30.7	.34	8.6	.422	10.7			12	1.45	36.8	.62	15.7	.637	16.2		
13	1.21	30.7	.34	8.6	.422	10.7			13	1.45	36.8	.62	15.7	.637	16.2		
14	1.45	36.8	.55	14.0	.590	15.0			14	1.60	40.6	.80	20.3	.759	19.3		
16	1.54	39.1	.65	16.5	.660	16.8			16	1.73	43.9	.90	22.9	.841	21.4		
17	1.67	42.4	.74	18.8	.744	18.9			17	1.95	49.5	1.05	26.7	.996	25.3		

.062/.052 (1.6/1.3)

MATERIAL/FINISH

Aluminum *(Codes M, MT, NF, NFS TZ, ZR)*
  Coupling nut, body, arms, saddles: aluminum
  Screws, washers, inserts: stainless steel/ passivated
  Anti-decoupling springs: thermoplastic
  Clinch nuts: Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF, NFS: stainless steel/ olive drab cadmium
  Banding adapter: aluminum
  Band (optional): stainless steel/ passivated

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
  Banding adapter:
    Code BM: brass/ electroless nickel
    Code BMT: brass/ nickel-PTFE
    Code Z1: stainless steel/ passivated
    Code ZM: stainless steel/ electroless nickel
  Band (optional): stainless steel/ passivated

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.

Band

Micro Band Tool
601-101

Slim Micro Band Tool
601-122

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