MISSION-CRITICAL

INTERCONNECT SOLUTIONS

Glenair®

Glenair SIGNATURE SERIES

SWING-ARM®

Articulating 3-in-1 Cable Strain Relief

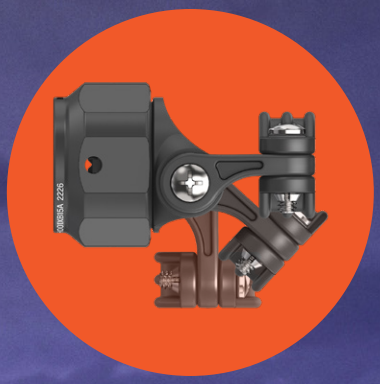
OCTOBER 2022

- STRAIGHT, 45° AND 90°
- LIGHTWEIGHT OR HEAVY-DUTY
- SHIELDED OR UNSHIELDED

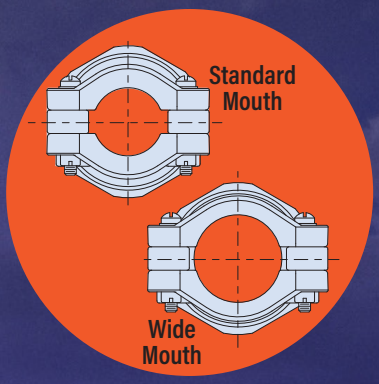
SWING-ARM®

ARTICULATING THREE-IN-ONE CLAMPS

A Revolution in Aerospace-Grade Wire and Cable Strain Relief



Articulating: Straight, 45°, and 90° 3-in-1 Strain Relief



Rigid Saddle Bar Versions with Standard (A) or Wide Mouth (B) Clamps

Swing-Arm Flex Clamps for Light- to Medium-Duty Applications

Integrated Shield Sock Versions for Overall and Individual Shielded Cable

Drop-In Shield Termination Banding Adapter Versions for Ease-of-Assembly

Material Types for Every Application: Composite, Stainless Steel, and Aluminum

The Glenair Series 87 Swing-Arm is a revolutionary strain-relief design and product series optimized for use in commercial and military aerospace applications. Compatible with every current-generation MS connector series—plus Glenair signature connectors—Swing-Arm clamps are supplied with rigid articulating arms for use in medium- to heavy-duty applications, as well as lightweight Flex arms for lighter-duty strain relief requirements. Stainless steel and conductive aluminum material clamps, as well as lightweight composite thermoplastic designs, satisfy every application requirement. Shield sock and special drop-in follower versions are available for EMI / RFI applications.

Swing-Arm clamps are compatible with MS series connectors including AS5015, M26482, M83723, and D38999. Glenair signature connector support includes Series 23 SuperNine, Series 805 Mighty Mouse, and Series 806 Mil-Aero

Swing-Arm® Articulating 3-in-1 Clamps

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Swing-Arm® Articulating 3-in-1 Clamps

Selection Guide

SELECTION GUIDE

SWING-ARM®
ARTICULATING THREE-IN-ONE CLAMPS

Swing-Arm® clamps provide cable strain relief for mil spec circular electrical connectors including M38999, M83723, and M5015, along with Glenair's Series 80 Mighty Mouse and Series 806 Mil-Aero connectors. Swing-Arms have repositionable arms for straight, 45° or 90° cable positions. Rugged Swing-Arm clamps offer easy installation, long-term performance, weight savings and SKU reduction.

Performance tested to stringent AS85049 mechanical and electrical standards, self-locking Swing-Arm clamps are suitable for high vibration environments including military and commercial aircraft.

- Repositionable arms adjust to straight, 45° and 90°
- Two styles: rigid-arm saddle clamps and lighter-duty flex clamps
- Corrosion-resistant composite, aluminum or stainless steel
- Two shielding options: braid sock or drop-in banding adapter
- -65 to +200 °C
- Outstanding weight and SKU reduction

Series 870 Swing-Arm Saddle Clamp

Swing-Arm saddle clamps feature full-radius medium- to high-duty saddles with self-locking clinch nuts.

Series 871 Swing-Arm Flex Clamp

Swing-Arm flex clamps feature high-strength PEEK flexible arms with recess to accept band or cable tie.

EMI Swing-Arm Clamps for Shielded Cable

Drop-In Banding Adapter

Drop-In Banding Adapter has platform and "T" slots. Route individual shields and pigtails into "T" slots. Terminate individual and overall shields with banding strap. Adapter is compatible with .120 (3.0) width Micro band and Micro Slim band. ***U.S. Patent Number 9413116.***

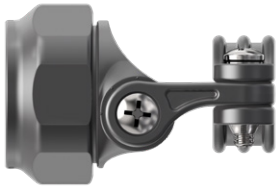
Integrated Braid Sock

Integrated Braid Socks have 12 inches (305mm) of shielding braid. The braid is terminated to an aluminum or brass interface ring. Use optional split-shield support ring to splice braid sock to cable shield.

Selection Guide

Swing-Arm Saddle Clamp Connector Support

Unshielded



Connector	Part No. / Page No.
AS50151 crimp MIL-DTL-26482 Ser. II MIL-DTL-83723 Ser. III MIL-DTL-38999	870(A/F/H)001 .... *23*
Series 80 Mighty Mouse	870M001 ..... *33*
Series 806 Mil/Aero	870V001 ..... *43*

Integrated Braid Sock

Connector	Part No. / Page No.
AS50151 crimp MIL-DTL-26482 Ser. II MIL-DTL-83723 Ser. III MIL-DTL-38999	Composite 870(A/F/H)002 ... *25* Aluminum, SST 870(A/F/H)003 ... *27*
Series 80 Mighty Mouse	Composite 870M002 ..... *35* Aluminum, SST 870M003 ..... *37*
Series 806 Mil/Aero	Composite 870V002 ..... *45* Aluminum, SST 870V003 ..... *47*

Drop-In Band Adapter

Connector	Part No. / Page No.
AS50151 crimp MIL-DTL-26482 Ser. II MIL-DTL-83723 Ser. III MIL-DTL-38999	Composite 870(A/F/H)004 ... *29* Aluminum, SST 870(A/F/H)005 .... *31*
Series 80 Mighty Mouse	Composite 870M004 ..... *39* Aluminum, SST 870M005 ..... *41*
Series 806 Mil/Aero	Composite 870V004 ..... *49* Aluminum, SST 870V005 ..... *51*

Swing-Arm Flex Clamp Connector Support

Unshielded

Connector	Part No. / Page No.
AS50151 crimp MIL-DTL-26482 Ser. II MIL-DTL-83723 Ser. III MIL-DTL-38999	871(A/F/H)001..... *53*
Series 80 Mighty Mouse	871M001..... *62*
Series 806 Mil/Aero	871V001..... *70*

Integrated Braid Sock

Connector	Part No. / Page No.
AS50151 crimp MIL-DTL-26482 Ser. II MIL-DTL-83723 Ser. III MIL-DTL-38999	Composite 871(A/F/H)002.... *54* Aluminum 871(A/F/H)003.... *56*
Series 80 Mighty Mouse	Composite 871M002..... *63* Aluminum 871M003..... *65*
Series 806 Mil/Aero	Composite 871V002..... *71* Aluminum 871V003..... *73*

Drop-In Band Adapter

Connector	Part No. / Page No.
AS50151 crimp MIL-DTL-26482 Ser. II MIL-DTL-83723 Ser. III MIL-DTL-38999	Composite 871(A/F/H)004.... *58* Aluminum 871(A/F/H)005.... *60*
Series 80 Mighty Mouse	Composite 871M004..... *67* Aluminum 871M005..... *69*
Series 806 Mil/Aero	Composite 871V004..... *75* Aluminum 871V005..... *77*

Torque Specifications

TORQUE SPECIFICATIONS

Series 87 Swing-Arm Torque Specs

DO NOT USE THREADLOCKING COMPOUND ON COMPOSITE THERMOPLASTIC BACKSHELLS

Threadlocking compounds are not normally recommended for use on Glenair composite backshells and may cause stress cracking of thermoplastic parts. Screws are self-locking type and withstand high vibration without the need for threadlocking compounds.

Glenair recommends Vibra-Tite VC-3 in the event that a threadlocking compound is specified by an OEM assembly procedure. This product is compatible with high-performance composite thermoplastic resins used on Glenair products.

1 Coupling Nut

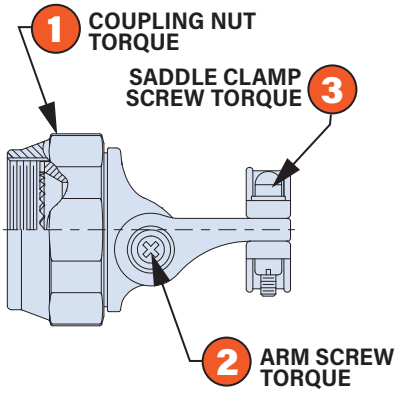
Thread backshell onto connector, taking care to fully seat teeth. Tighten coupling nut with wrench or soft jaw pliers. See table for recommended torque. For hex-style thermoplastic coupling nuts, use *600-157* hex wrench. For round knurled aluminum or stainless steel coupling nuts, use *TG69* soft jaw pliers, *TG70* strap wrench, or *600-103* circular wrench.

2 Arm Screws

After the coupling nut is tightened, position arms and tighten arm screws.

3 Clamp Screws

After arm screws are tightened, tighten saddle clamp screws until saddles bottom onto arms. Use *TG69* soft jaw pliers if necessary to squeeze saddles while tightening. After saddles are fully seated onto arms, tighten to specified torque. See table for torque values.



2 Arm Screw Torque

Swing-Arm Shell Size	Screw Size	Min/Max in-lb
08 – 11	4-40	3.5/4.5
12 – 25	6-32	5.0/7.0

3 Clamp Screw Torque

Swing-Arm Shell Size			
Standard Clamp	Large Clamp	Screw Size	Min/Max in-lb
08-11	08-09	4-40	3.5/4.5
12-25	10-25	6-32	5.0/7.0

Source: SAE AIR6151

1 Swing-Arm Coupling Nut Assembly Torque

Adapter Codes A F H
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, AS81703 Ser. 3, MIL-DTL-83723 Ser. III, MIL-DTL-38999

Connector Shell Size	Aluminum in-lb	Composite in-lb	SST High Vibration (Engine) Applications in-lb
8, 9, A	30/40	20/25	91/101
10, 11, B	30/40	20/30	115/125
12, 13, C	35/45	25/35	115/125
14, 15, D	35/45	25/35	139/149
16, 17, E	35/45	30/40	139/149
18, 19, F	35/45	30/40	175/185
20, 21, G	75/85	35/45	199/209
22, 23, H	75/85	35/45	223/233
24, 25, J	75/85	35/45	259/269

Source: SAE AIR6151

Adapter Code M
Series 801
Series 805 Mighty Mouse

Series 801 Shell Size	Series 805 Shell Size	in-lb
6	8	14/18
7	9	16/20
8	10	18/22
9	11	20/24
10	12	22/26
12, 13	15	28/32
14, 16	18	28/32
15, 17	19	28/32
21	23	28/32

Source: 600-185

Adapter Code V
Series 806

Connector Shell Size	Light and Medium Duty in-lb	Heavy Duty in-lb	SST High Vibration (Engine) Applications in-lb
7	20/30	35/45	48/58
8	25/35	42/52	57/68
9	30/40	51/61	66/76
10	30/40	63/73	87/97
11	30/40	71/81	103/113
12	30/40	79/89	107/111
14	35/45	105/115	121/131
16	35/45	111/121	139/149
18	35/45	111/121	139/149
20	35/45	111/121	139/149
22	75/85	131/141	175/185
24	75/85	131/141	175/185

Source: 600-221

Rev. 07.05.23

Temperature and Corrosion Ratings

Series 87 Swing-Arm
Temperature Rating
Corrosion Rating

1 Temperature Rating

Series 87 Swing-Arm strain relief ***minimum operating temperature*** rating is -65 °C, applicable to all material and finish options. ***See Table 1 for maximum operating temperature rating*** according to material and finish code. Table 2 shows maximum operating temperature for braid socks. For Swing-Arm strain reliefs supplied with braid socks, ***the temperature rating of the braid in Table 2 determines the Swing-Arm temperature rating*** if the braid temperature rating is lower than the Swing-Arm maximum temperature rating.

2 Corrosion Rating

See Table 1 for corrosion rating according to material and finish code. Swing-Arm strain reliefs shall not exhibit excessive corrosion or exposure of basis material detrimental to normal operation of the backshell after completion of EIA-364-26 Salt Spray Test Procedure for the specified duration. ***For Swing-Arm strain reliefs supplied with braid socks, Table 2 determines the Swing-Arm corrosion rating*** if the braid corrosion rating is lower than the Swing-Arm rating in table 1.

Table 1: Ratings for Swing-Arm Strain Reliefs

Material / Finish Code		1 Temperature Rating °C			2 Corrosion Rating (Salt Spray)			
		175°	200°	260°	48 hrs	500 hrs	1000 hrs	2000 hrs
BM	Brass / Electroless Nickel		■					■
BMT	Brass / Nickel-PTFE	■						■
BN	Brass / Olive Drab Cadmium	■						■
BNS	Brass / OD Cadmium, Selective	■						■
M	Aluminum / Electroless Nickel		■		■			
MT	Aluminum / Nickel-PTFE	■				■		
NF	Aluminum / Olive Drab Cadmium	■					■	
NFS	Aluminum / OD Cadmium, Selective	■			■			
TZ	Aluminum / Tin-Zinc	■					■	
XB	Composite / No Finish		■					■
Z1	Stainless Steel / Passivate			■			■	
ZM	Stainless Steel / Electroless Nickel		■				■	
ZR	Aluminum/Black Zinc-Nickel	■					■	

Table 2: Ratings for Braid Socks

Braid Type		1 Temperature Rating °C				2 Corrosion Rating (Salt Spray)	
		150°	200°	220°	260°	48 hrs	500 hrs
A	AmberStrand® Nickel/Composite			■			■
L	ArmorLite™ Nickel/SST				■		■
N	Nickel/Copper		■				■
T	Tin/Copper	■				■	

Performance Specifications

PERFORMANCE SPECIFICATIONS

Electrical, Environmental, and Mechanical Performance

Description	Requirement	Procedure
Hydrolytic Stability (Composite)	No increase in weight greater than 5%, backshell shall meet coupling thread strength.	ASTM D 570 Paragraph 7.4 long-term immersion
Coupling Thread Strength	No damage or breakage when torqued to specified value. **Shell Size** / **Torque (in-lb.)** 8-19 / 50 20-28 / 100	AS85049 Paragraph 4.6.10 and 4.6.15
Magnetic Permeability	Aluminum: less than 2 Mu. Stainless Steel: less than 5 Mu.	EIA-364-54
External Bending Moment	No damage detrimental to normal operation. **Shell Size** / **Load (LBS MIN)** 8, 9 / 15 10-13 / 25 14, 15 / 30 16-23 / 40 24-28 / 50	AS85049 Para. 4.6.11
Corrosion Resistance	No corrosion or exposure of basis material detrimental to normal operation.	EIA 364-26 Duration of salt spray exposure varies according to material/finish code.
Shell Conductivity	The resistance between the shield braid and the connector shall not exceed 2.5 milliohms. The resistance of backshells with passivated stainless steel interface rings shall not exceed 5.0 milliohms.	AS85049 paragraph 4.6.3 EIA-364-83 34 AWG tinned copper braid
Vibration	No damage or loosening of parts. The maximum shell resistance may increase up to 100 percent.	AS85049 paragraph 4.6.5.4 Self-locking backshells shall be subjected to the vibration test parameters of MIL-DTL-38999 paragraph 4.5.23.
Shock	No damage or loosening of parts.	AS85049 paragraph 4.6.6.2 EIA-364-27 Condition C
Thermal Shock	No blistering, peeling, or separation of plating. .	AS85049 Paragraph 4.6.16 EIA-364-32
Flammability	Non-metallic materials shall be self-extinguishing. Vertical test, 12 seconds ignition, 15 seconds maximum burn time.	FAR 25.853(a) Appendix F, Part I(a)(4)
Smoke	Materials shall be low smoke. The specific optical smoke density (Ds) shall not exceed 200.	FAR 25.853(a) Appendix F, Part V

Performance Specifications

Electrical, Environmental, and Mechanical Performance

<table>
<tr><th>Description</th><th>Requirement</th><th>Procedure</th></tr>
<tr><td>Toxicity</td><td>Materials shall be non-toxic. Toxic gas emissions shall not exceed the following values:
<table>
<tr><th>Component</th><th>PPM MAXIMUM</th></tr>
<tr><td>CO</td><td>3500</td></tr>
<tr><td>HCN</td><td>150</td></tr>
<tr><td>HF</td><td>200</td></tr>
<tr><td>HCL</td><td>500</td></tr>
<tr><td>SO_2</td><td>100</td></tr>
<tr><td>NO_X</td><td>100</td></tr>
</table></td><td>BS7239</td></tr>
<tr><td>Fluid Immersion</td><td>No evidence of degradation detrimental to performance.</td><td>AS85049 Paragraph 4.6.13
EIA-364-10</td></tr>
<tr><td>Fungus Resistance</td><td>Backshell materials shall be fungus inert.</td><td>MIL-STD-810G Method 508.6</td></tr>
<tr><td>Ozone Exposure (composite)</td><td>No evidence of degradation due to ozone exposure that will adversely affect performance.</td><td>EIA-364-14</td></tr>
<tr><td>Indirect Lightening Strike</td><td>No damage or degradation to material or finish that would affect subsequent use.</td><td>EIA -364-75 waveform 5B
6,000 Amps peak current
T2 = 500 µsec</td></tr>
<tr><td>Thermal Vacuum Outgassing</td><td>All non-metallic materials, following optional thermal vacuum bakeout, shall not exceed 1.0 percent Total Mass Loss (TML) and 0.1% Collected Volatile Condensible Material (CVCM).</td><td>ASTM E 595</td></tr>
<tr><td>Braid Retention</td><td>Braid shall not pull out or slip more than .025 inch.
<table>
<tr><th>Shell Size</th><th>Tensile Load (Pounds Min,)</th></tr>
<tr><td>7-16</td><td>50</td></tr>
<tr><td>17-28</td><td>100</td></tr>
</table></td><td>15 seconds minimum</td></tr>
</table>

Clamp-to-Connector Assembly Instructions

ASSEMBLY INSTRUCTIONS

Series 87 Swing-Arm Assembly Instructions
Tighten Backshell to Connector

a 
Digital Torque Wrench
P/N 600G161 *Page 15*

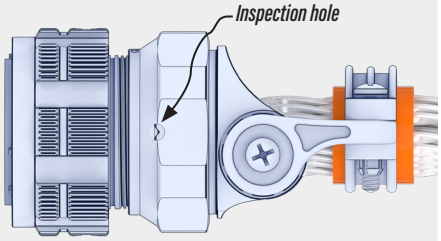
b 
Vertical Bench Stand
P/N 600-162BV *Page 15*

c 
Connector Holding Tool
Page 18-19

d 
Coupling Nut Wrench
Page 16

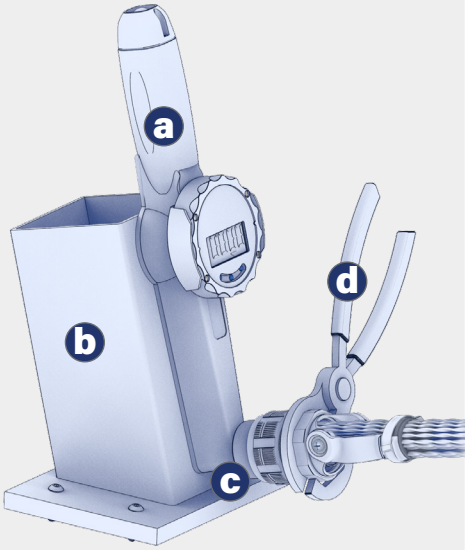
1 Hand Tighten Coupling Nut

Hand tighten backshell coupling nut onto connector accessory threads. Before interface teeth are engaged, rotate backshell body to desired position for 45° or 90° cable entry. Use inspection hole to verify teeth are seated. If necessary, slightly rotate backshell body to seat teeth.



2 Torque Coupling Nut

Insert connector into connector holding fixture. Tighten aluminum and stainless steel coupling nuts using circular pliers or strap wrench. For composite hex coupling nuts, use hex wrench.



Coupling Nut Torque

Adapter Codes A F H
AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, AS81703 Ser. 3, MIL-DTL-83723 Ser. III, MIL-DTL-38999

Connector Shell Size	in-lb Type 1 F & A*	Type 2 H & A*	Composite A, F & H
8, 9, A	30/40	51/61	20/25
10, 11, B	30/40	71/81	20/30
12, 13, C	35/45	103/113	25/35
14, 15, D	35/45	111/121	25/35
16, 17, E	35/45	111/121	30/40
18, 19, F	35/45	111/121	30/40
20, 21, G	75/85	131/141	35/45
22, 23, H	75/85	131/141	35/45
24, 25, J	75/85	131/141	35/45

*(*consult AIR6151 for connector type)*
Source: SAE AIR6151

Adapter Code M Series 80

Series 801 Shell Size	Series 805 Shell Size	in-lb
6	8	14/18
7	9	16/20
8	10	18/22
9	11	20/24
10	12	22/26
12, 13	15	28/32
14, 16	18	28/32
15, 17	19	28/32
21	23	28/32

Source: 600-185

Adapter Code V Series 806

Shell Size	in-lb Light and Medium Duty	Heavy Duty	SST High Vibration Applications
7	20/30	35/45	48/58
8	25/35	42/52	57/68
9	30/40	51/61	66/76
10	30/40	63/73	87/97
11	30/40	71/81	103/113
12	30/40	79/89	107/111
14	35/45	105/115	121/131
16	35/45	111/121	139/149
18	35/45	111/121	139/149
20	35/45	111/121	139/149
22	75/85	131/141	175/185
24	75/85	131/141	175/185

Source: 600-221

Rev. 07.05.23

Flex Clamp Angle Adjustment and Clamp-to-Cable Attachment

Series 87 Swing-Arm Assembly Instructions
Flex Clamp

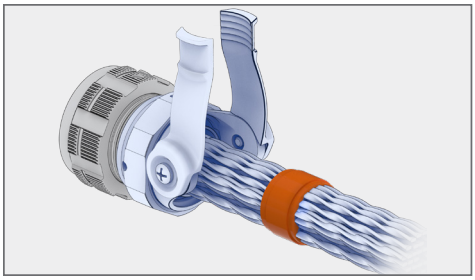
DO NOT USE THREADLOCKING COMPOUND ON COMPOSITE THERMOPLASTIC BACKSHELLS

Threadlocking compounds are not normally recommended for use on Glenair composite backshells and may cause stress cracking of thermoplastic parts. Screws are self-locking type and withstand high vibration without the need for threadlocking compounds.

Glenair recommends Vibra-Tite VC-3 in the event that a threadlocking compound is specified by an OEM assembly procedure. This product is compatible with high-performance composite thermoplastic resins used on Glenair products.

1 Wrap Wire Bundle

Form wire bundle into desired shape and mark bundle with location of flex arm gripping area. Next, move flex arms to allow access for wrapping wire bundle with tape. Apply 2–3 tightly wound wraps of self-fusing silicone tape to wire bundle. Center tape under the flex arm gripping location.

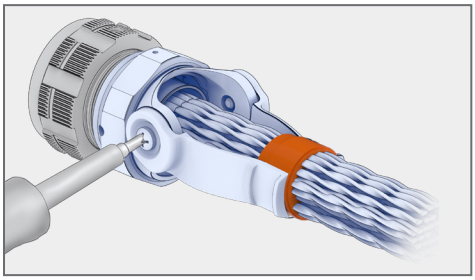


2 Tighten Arm Screws

After taping wire bundle, move arms into position and tighten arm screws to recommended torque.

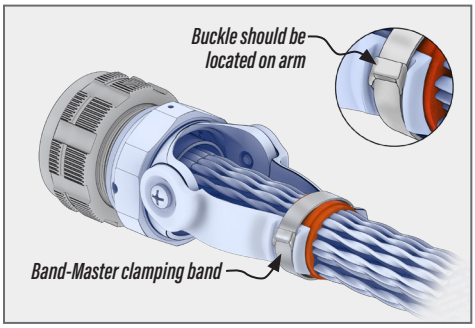
Arm Screw Torque

Shell Size	Screw Size	Min/Max in-lb
08 – 11	4-40	3.5/4.5
12 – 25	6-32	5.0/7.0



3 Install Clamping Band or Cable Tie

Hold flex arms in position onto taped wire bundle. Install Band-Master clamping band with buckle located on arm. Cable ties can also be used.



ASSEMBLY INSTRUCTIONS

Saddle Clamp Angle Adjustment and Cable Attachment

ASSEMBLY INSTRUCTIONS

Series 87 Swing-Arm Assembly Instructions
Saddle Clamp

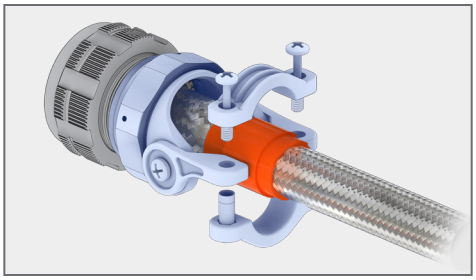
DO NOT USE THREADLOCKING COMPOUND ON COMPOSITE THERMOPLASTIC BACKSHELLS

Threadlocking compounds are not normally recommended for use on Glenair composite backshells and may cause stress cracking of thermoplastic parts. Screws are self-locking type and withstand high vibration without the need for threadlocking compounds.

Glenair recommends Vibra-Tite VC-3 in the event that a threadlocking compound is specified by an OEM assembly procedure. This product is compatible with high-performance composite thermoplastic resins used on Glenair products.

1 Build Up Wire Bundle

Build up the diameter of the wire bundle under saddles with self-fusing silicone tape or rubber bushing. The built-up diameter should achieve a moderately snug fit with saddles fully closed.

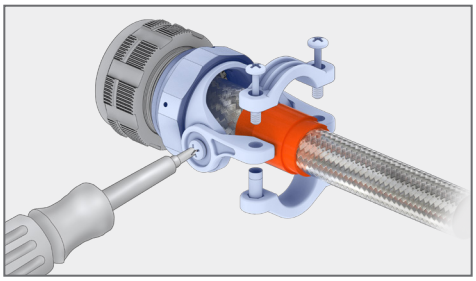


2 Tighten Arm Screws

Move arms into position and tighten screws.

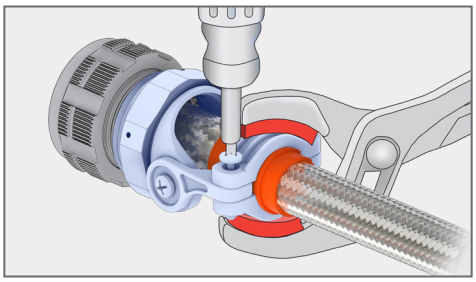
Arm Screw Torque

Shell Size	Screw Size	Min/Max in-lb
08 – 11	4-40	3.5/4.5
12 – 25	6-32	5.0/7.0



3 Squeeze Saddles While Tightening Screws

Position saddle bars on the built-up wire bundle. Using Glenair ***TG69*** soft jaw pliers, hold the saddle bars firmly and evenly onto wire bundle and strain relief arms. Tighten screws evenly. Alternate between screws until both saddle bars are fully bottomed onto arms.



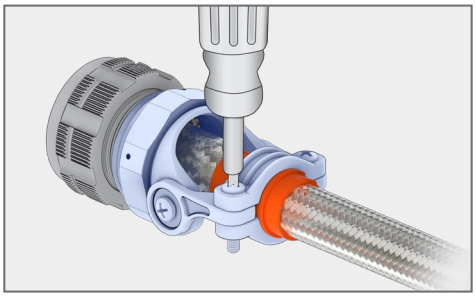
4 Tighten Saddle Screws

With saddle bars fully bottomed onto arms, tighten screws to meet the torque values in table.

Saddle Screw Torque

Swing-Arm Shell Size			
Standard Clamp	Large Clamp	Screw Size	Min/Max in-lb
08-11	08-09	4-40	3.5/4.5
12-25	10-25	6-32	5.0/7.0

Source: SAE AIR6151

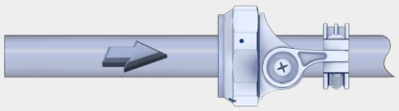


Drop-In Banding Adapter Shield Termination

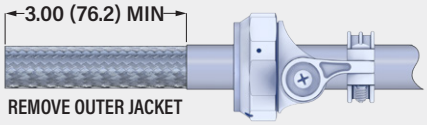
Series 87 Swing-Arm Assembly Instructions
Drop-In Banding Adapter

1 Prepare Cable

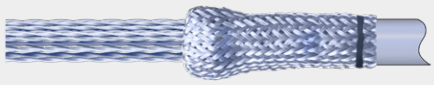
1a Slide Swing-Arm clamp over wire bundle.



1b Remove 3 inches minimum (76mm) of outer jacket to expose braid shield.



1c Fold braid over outer jacket to expose wires.

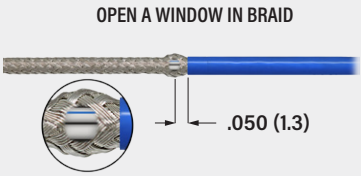


2 Prepare Individual Shields

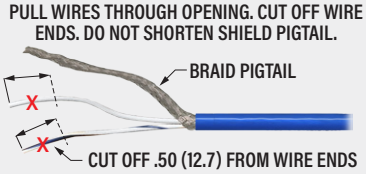
Method 1 Standard Wire Prep

2a

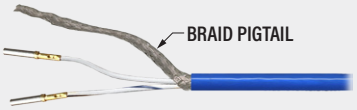
2b



2c



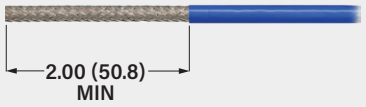
2d



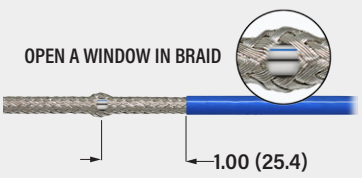
AFTER SHORTENING WIRES, STRIP WIRE INSULATION AND ATTACH CONTACTS. WIRE STRIP LENGTH IS DETERMINED BY CONNECTOR SPECIFICATION.

Method 2 Enhanced Shield Coverage

2a

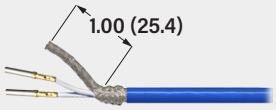


2b



2c

2d



AFTER SHORTENING WIRES, STRIP WIRE INSULATION AND ATTACH CONTACTS. WIRE STRIP LENGTH IS DETERMINED BY CONNECTOR SPECIFICATION.

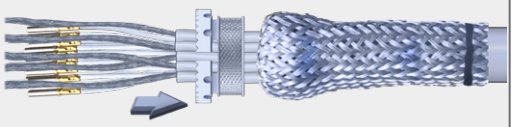
Drop-In Banding Adapter Shield Termination (continued)

ASSEMBLY INSTRUCTIONS

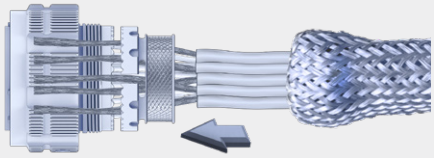
Series 87 Swing-Arm Assembly Instructions
Drop-In Banding Adapter

3 Install Contacts in Connector

3a Slide Drop-In Adapter onto wires and pigtails as shown, band platform first.

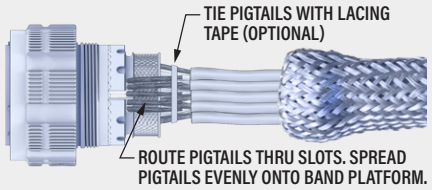


3b Install contacts into connector. If using enhanced shield coverage, pull pigtail shields up and secure with tape or heatshrink. Pull braid pigtails over connector body and bring drop-in adapter up to the rear of the connector.



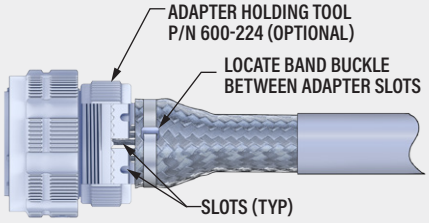
4 Route Pigtails into Adapter "T" Slots

Route pigtails into adapter "T" slots. Distribute pigtails evenly onto banding platform. Tie pigtails down with lacing tape.

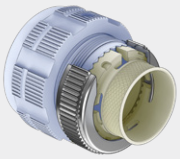


5 Attach Microband

Use optional adapter holding tool to hold adapter in place for banding operation. Pull overall shield braid forward and place it on adapter banding platform. Attach .120" wide ***Micro Band*** or lightweight low profile ***Micro Slim Band*** using Band-Master ATS tool. Locate buckle between adapter slots. Refer to Band-Master ATS assembly instructions for additional information: *https://cdn.glenair.com/bandmaster/pdf/601-100-and-601-101.pdf*



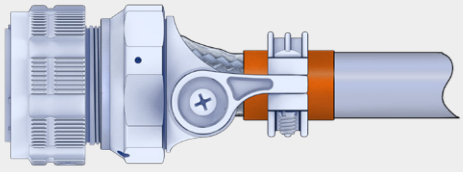
Adapter Holding Tool



600-224 tool holds drop-in adapter in place while attaching banding strap. See page 20 for ordering information.

6 Attach Swing-Arm Clamp

Slide clamp forward and thread coupling nut onto connector. Make sure that the drop-in adapter slots are seated into cogs in clamp. Make sure that adapter teeth and connector teeth are seated.



For coupling nut tightening instructions, see ***Tighten Backshell to Connector***, page 8.

For clamp tightening instructions, see ***Saddle Clamp*** instructions, page 10 or ***Flex Clamp*** instructions, page 9.

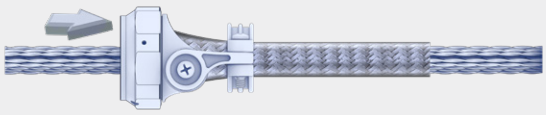
Shield-Sock Termination Using Shield Support Ring

Series 87 Swing-Arm Assembly Instructions
Shield Support Ring

687-209
Shield Support Ring

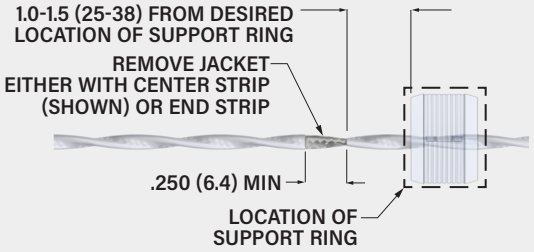
Swing-Arm Braid Sock assemblies are available with a split support ring. Use ring to terminate overall and individual shields.

1 Slide Swing-Arm Braid Sock Over Wire Bundle

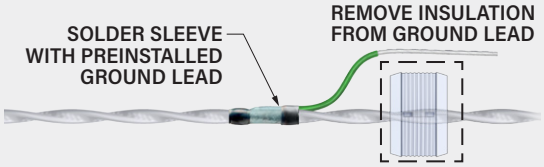


2 Attach Ground Wires to Individual Wire Shields

2a Determine where to place the support ring. The ring should be located at least 2 inches (51mm) from the Swing-Arm clamp. Remove shielded wire jackets about 1.0-1.5 inches (25-38mm) from ring location. Stagger strip locations if multiple solder sleeves will be used.



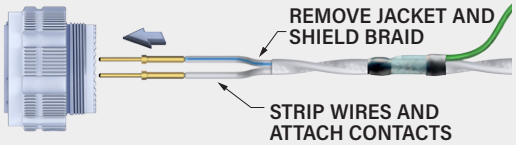
2b Attach ground wires. Solder sleeves with preinstalled ground leads or flat braid are recommended.



3 Attach Contacts to Wires and Install in Connector

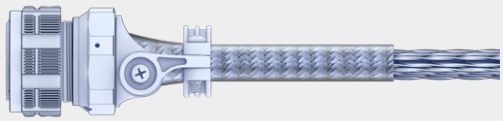
Refer to connector work instructions for strip lengths, tools, etc.

Strip wire ends to remove jacket, braid and insulation. Crimp contacts onto wires. Insert contacts into connector.



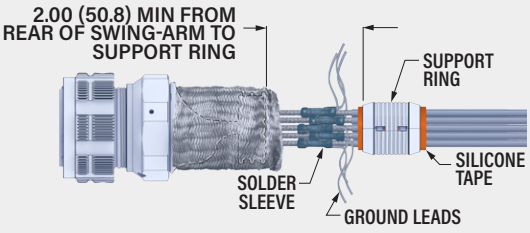
4 Hand Tighten Backshell

Bring backshell up to connector and tighten coupling nut by hand.



5 Assemble Split Support Ring onto Wire Bundle

Pull braid sock up and mark wire bundle where support ring will be installed. Wrap wire bundle with self-fusing silicone tape to achieve a snug fit with support ring. Snap support ring halves together over taped area.



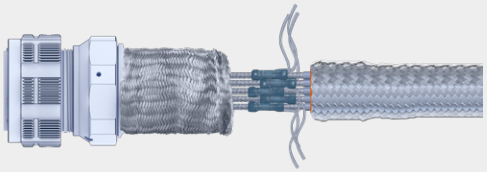
Shield-Sock Termination Using Shield Support Ring (continued)

ASSEMBLY INSTRUCTIONS

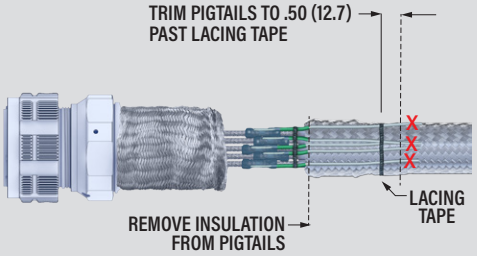
Series 87 Swing-Arm Assembly Instructions
Shield Support Ring

6 Attach Braid and Pigtails to Support Ring

6a Slide overall braid from wire bundle over support ring. Tuck extra length braid underneath itself, creating a clean appearance.

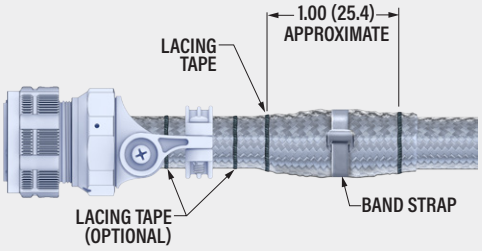


6b Place pigtails on top of wire bundle braid. Space pigtails evenly. Tie pigtails in place with lacing tape and trim to approximately .50 (12.7) beyond lacing tape.



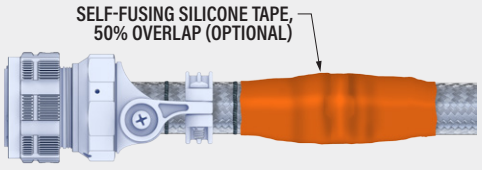
6c Bring braid sock from backshell and completely cover pigtails and support ring. Tie with lacing tape on both ends of support ring, about 1 inch (25.4mm) apart. Add extra ties in 1 inch (25.4mm) increments (optional).

Install Band-Master ATS band strap on support ring and braid. Use ***Standard Band*** or lightweight low profile ***Slim Standard Band.***



7 Wrap Support Ring Area with Self-Fusing Tape (Optional)

Wrap support ring with self-fusing silicone tape. Tape should be overlapped by 50%.



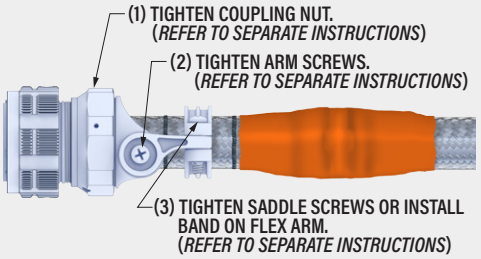
8 Tighten Coupling Nut, Arms and Clamp

Tighten coupling nut first.

Then, position arms and tighten arm screws.

For Swing-Arms with saddle clamps, tighten saddle screws.

For flex clamps, attach Band-Master banding clamp.



For coupling nut tightening instructions, see ***Tighten Backshell to Connector***, page 8.
For arm and clamp tightening instructions, see ***Saddle Clamp*** instructions, page 10 or ***Flex Clamp*** instructions, page 9.

600G161
Digital Torque Wrench

600G161 Digital Torque Wrench with 600-162BW vertical bench mount stand (sold separately)

25-250 in-lb torque range. 600G161 torque wrench is optimized for circular connector backshell installation: large, easy to read digital display and ⅜" drive are located on the same side of wrench. ± 1% accuracy, 2500 samples/second. Three units of measure: in-lb, ft-lb, nM. Yellow, green and red LED indicators for under/within/over torque. Audible buzzer indicates overtorque. Includes four AAA batteries. Vertical and horizontal bench stands sold separately. Optional data port kit has USB adapter for data logging and AC power. N.I.S.T. calibration certificate is included. Made in USA.

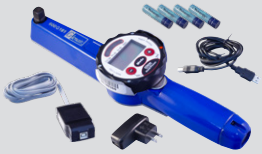
FEATURES

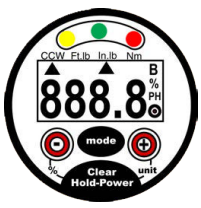
- 25-250 in-lb torque range
- ⅜" drive
- Large easy to read display
- Yellow/Green/Red LED's and buzzer for under/within/over torque
- ± 1% accuracy
- Data port kit with USB and AC power
- Bench mountable with drive and display on same side
- Three units of measure: in-lb, ft-lb, nM
- 2500 samples per second
- Rotatable display
- Two modes: track and peak hold
- Programmable tolerance: 1-10%
- N.I.S.T. calibration certificate
- AAA batteries

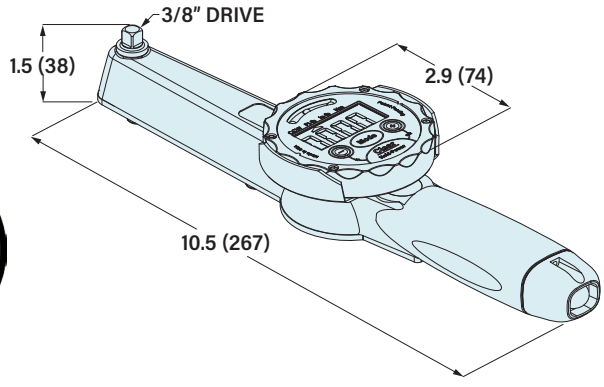
DATA PORT KIT

- Download and log data to a PC
- Recharge batteries via USB port or 110v AC
- Control wrench remotely from PC
- Set target torque
- Change mode, units, and tolerance

DIGITAL TORQUE WRENCH

	Part Number	Description
	600G161	Digital Torque Wrench. Includes ¼" drive adapter, AAA batteries, NIST calibration certificate, operating manual, plastic case.
	600G161-D	Digital Torque Wrench with Data Port Kit. Includes ¼" drive adapter, Data Port Kit (110v AC/USB adapter, data cable, USB/power adapter, USB cable, rechargable AAA batteries), NIST calibration certificate, operating manual, plastic case.
	600-161-D	Data Port Kit. Includes 110v AC/USB adapter, data cable, USB/power adapter, USB cable, rechargable AAA batteries.
	600-162B	Horizontal Bench Stand. Includes #8-32 button hd. cap screws, qty 4. Powder-coated steel. L 10.4" (264mm) W 3" (76mm) H 1.5" (38mm) Weight 3 lbs. (1.4 kg)
	600-162BV	Vertical Bench Stand. Includes #8-32 button hd. cap screws, qty 4. Powder-coated steel. L 6" (152mm) W 3" (76mm) H 8.4" (213mm) Weight 3 lbs. (1.4 kg)

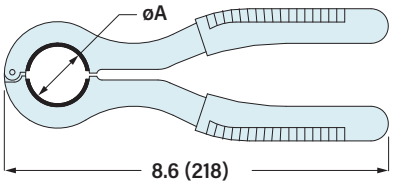




600-103 • 600-157
Coupling Nut Wrenches

600-103 CIRCULAR WRENCH FOR SELF-LOCKING COUPLING NUTS

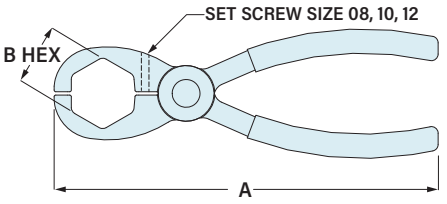
600-103 coupling nut wrench has polyurethane pads to securely grip backshell coupling nuts without deformation or damage. Wrench fits Swing-Arm strain reliefs with aluminum or SST self-locking coupling nuts. ***Not recommended for composite hex-shaped coupling nuts. Use 600-157.*** Stainless steel with vinyl grips and TPU pads.



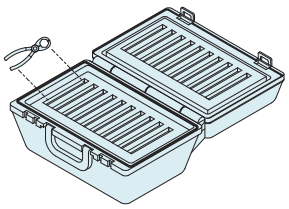
Swing-Arm Size Code: Adapter Codes A F H	Adapter Code M	Adapter Code V		A Diameter		Ref. Coupling Nut Diameter	
M5015 M38999	Series 80 Mighty Mouse	Series 806	Wrench Part Number	in	mm	in	mm
08, 09	07, 08	08, 09	600-103-01	.659	16.7	.812	20.6
10, 11	09, 10	10, 11	600-103-02	.783	19.9	.938	23.8
12, 13	12, 13	12	600-103-03	.906	23.0	1.125	28.6
14, 15		14, 16	600-103-04	1.035	26.3	1.250	31.8
16, 17	14	18	600-103-05	1.140	29.0	1.375	34.9
18, 19	16	20	600-103-06	1.260	32.0	1.500	38.1
20, 21	17	22	600-103-07	1.383	35.1	1.625	41.3
22, 23		24	600-103-08	1.510	38.4	1.750	44.5
24, 25			600-103-10	1.630	41.4	1.875	47.6

600-157 HEX COUPLING NUT WRENCH

Use 600-157 hex wrench to torque hex-type composite thermoplastic coupling nuts without the risk of distorting or damaging the nut. Sizes 08, 10 and 12 have adjustable set screw. Stainless steel with vinyl grips.



Swing-Arm Size Code: Adapter Codes A F H	Adapter Code M	Adapter Code V		A Length		B Hex	
M5015 M38999	Series 80 Mighty Mouse	Series 806	Wrench Part Number	in	mm	in	mm
08, 09	07, 08	08, 09	600-157-08	6.70	170	.750	19.1
10, 11	09, 10	10, 11	600-157-10	6.75	171	.875	22.2
12, 13	12, 13	12	600-157-12	6.81	173	1.000	25.4
14, 15		14, 16	600-157-14	6.88	175	1.125	28.6
16, 17	14	18	600-157-16	6.95	177	1.250	31.8
18, 19	16	20	600-157-18	7.05	179	1.375	34.9
20, 21	17	22	600-157-20	7.15	182	1.500	38.1
22, 23		24	600-157-22	7.38	187	1.625	41.3
24, 25			600-157-24	7.44	189	1.750	44.5



600-157-KC
Complete Kit with nine wrenches and blow-molded case

COMPLETE WRENCH KIT

Kit Part Number	Contents	Case
600-157-K	Size 08 thru Size 24 Hex Wrenches (all nine sizes)	Not Included
600-157-KC	Size 08 thru Size 24 Hex Wrenches (all nine sizes)	HDPE Blow-Molded Case

TG69 • TG70
Soft Jaw Pliers and Strap Wrench

TG69 SOFT JAW PLIERS

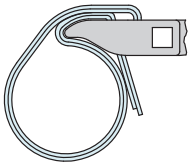
Tighten or loosen connector and backshell coupling nuts with TG69 pliers. Serrated vinyl pads prevent scratches. Slip joint handles adjust from 3/4" (19mm) to 2-1/2" (63.5mm). Pliers are 10" (254mm) overall length.

PART NUMBER	REPLACEMENT PADS
TG69	G77015 *(kit of 2 pads)*

TG70 SQUARE DRIVE STRAP WRENCH

Tighten or loosen connector and backshell coupling nuts with TG70 strap wrench. Square drive accepts 3/8" torque wrench. rubber/fabric strap is 1/2" (12.7mm) wide. Nickel-plated aluminum handle is 6.5" (165mm) long. Standard 12" (305mm) strap fits up to 2" (51mm) diameter coupling nut. ***Not recommended for tightening composite hex coupling nuts. Use hex wrench.***

PART NUMBER				
	For Maximum OD			
Strap Length	Single Wrap (< 70 in-lb)	Double Wrap (>70 in-lb)	Part Number	Replacement Strap
12" (305mm)	2" (51mm)	N/A	TG70	G70515
18" (457mm)	3" (76mm)	1.5" (38mm)	TG70-18	G70515-18
24" (610mm)	4" (102mm)	2" (51mm)	TG70-24	G70515-24
36" (914mm)	6" (152mm)	4" (102mm)	TG70-36	G70515-36



Double wrap strap for torque greater than 70 in-lb.

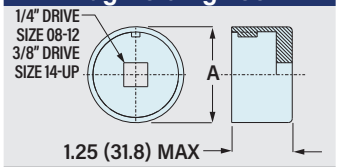
Connector Holding Tools for AS50151 • MIL-DTL-26482 • MIL-DTL-38999

Connector Holding Tools

Connector holding tool keeps connector stationary when installing backshell. Nickel-plated steel.

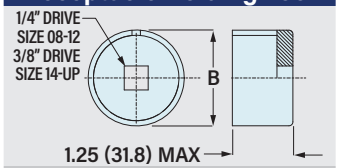
HOLDING TOOL FOR M5015 AND M26482 SERIES II

Plug Holding Tool



Shell Size	Part Number	A Max in	A Max mm
08	600B005-08P	.456	11.6
10	600B005-10P	.575	14.6
12	600B005-12P	.691	17.6
14	600B005-14P	.816	20.7
16	600B005-16P	.941	23.9
18	600B005-18P	1.060	26.9
20	600B005-20P	1.185	30.1
22	600B005-22P	1.310	33.3
24	600B005-24P	1.435	36.4
28	600B005-28P	1.685	42.8

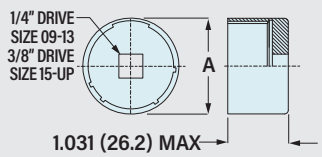
Receptacle Holding Tool



Shell Size	Part Number	B Max in	B Max mm
08	600B005-08R	.365	9.3
10	600B005-10R	.440	11.2
12	600B005-12R	.555	14.1
14	600B005-14R	.675	17.1
16	600B005-16R	.805	20.4
18	600B005-18R	.930	23.6
20	600B005-20R	1.050	26.7
22	600B005-22R	1.175	29.8
24	600B005-24R	1.300	33.0
28	600B005-28R	1.520	38.6

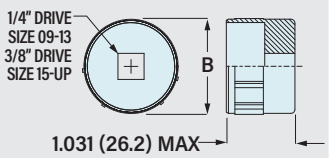
HOLDING TOOL FOR MIL-DTL-38999 SERIES I

Plug Holding Tool



Shell Size	Part Number	A Max in	A Max mm
09	600F005-09P	.577	14.7
11	600F005-11P	.709	18.0
13	600F005-13P	.856	21.7
15	600F005-15P	.980	24.9
17	600F005-17P	1.107	28.1
19	600F005-19P	1.212	30.8
21	600F005-21P	1.337	34.0
23	600F005-23P	1.462	37.1
25	600F005-25P	1.587	40.3

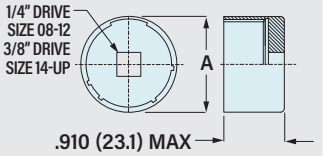
Receptacle Holding Tool



Shell Size	Part Number	B Max in	B Max mm
09	600F005-09R	.438	11.1
11	600F005-11R	.566	14.4
13	600F005-13R	.678	17.2
15	600F005-15R	.803	20.4
17	600F005-17R	.928	23.6
19	600F005-19R	1.033	26.2
21	600F005-21R	1.158	29.4
23	600F005-23R	1.283	32.6
25	600F005-25R	1.408	35.8

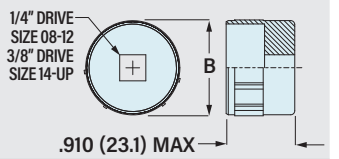
HOLDING TOOL FOR MIL-DTL-38999 SERIES II

Plug Holding Tool



Shell Size	Part Number	A Max in	A Max mm
08	600FF005-08P	.478	12.1
10	600FF005-10P	.599	15.2
12	600FF005-12P	.758	19.3
14	600FF005-14P	.882	22.4
16	600FF005-16P	1.007	25.6
18	600FF005-18P	1.133	28.8
20	600FF005-20P	1.257	31.9
22	600FF005-22P	1.382	35.1
24	600FF005-24P	1.507	38.3

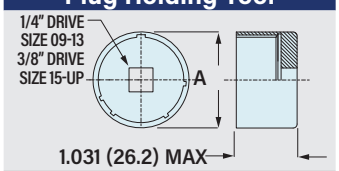
Receptacle Holding Tool



Shell Size	Part Number	B Max in	B Max mm
08	600FF005-08R	.358	9.1
10	600FF005-10R	.486	12.3
12	600FF005-12R	.603	15.3
14	600FF005-14R	.728	18.5
16	600FF005-16R	.853	21.7
18	600FF005-18R	.958	24.3
20	600FF005-20R	1.083	27.5
22	600FF005-22R	1.208	30.7
24	600FF005-24R	1.333	33.9

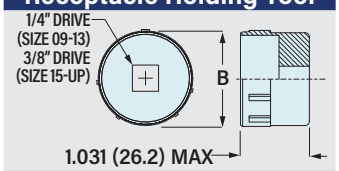
HOLDING TOOL FOR MIL-DTL-38999 SERIES III

Plug Holding Tool



Shell Size	Part Number	A Max in	A Max mm
09	600H005-09P*	.577	14.7
11	600H005-11P*	.709	18.0
13	600H005-13P*	.829	21.1
15	600H005-15P*	.954	24.2
17	600H005-17P*	1.107	28.1
19	600H005-19P*	1.190	30.2
21	600H005-21P*	1.315	33.4
23	600H005-23P*	1.440	36.6
25	600H005-25P*	1.565	39.8

Receptacle Holding Tool

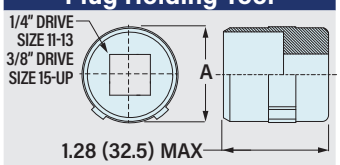


Shell Size	Part Number	B Max in	B Max mm
09	600H005-09R*	.438	11.1
11	600H005-11R*	.566	14.4
13	600H005-13R*	.678	17.2
15	600H005-15R*	.803	20.4
17	600H005-17R*	.928	23.6
19	600H005-19R*	1.033	26.2
21	600H005-21R*	1.158	29.4
23	600H005-23R*	1.283	32.6
25	600H005-25R*	1.408	35.8

*Replace * with polarizing position N, A, B, C, D, or E*

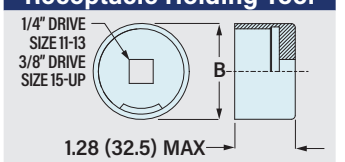
HOLDING TOOL FOR MIL-DTL-38999 SERIES IV

Plug Holding Tool



Shell Size	Part Number	A Max in	A Max mm
11	600HH005-11P	.830	21.1
13	600HH005-13P	.950	24.1
15	600HH005-15P	1.070	27.2
17	600HH005-17P	1.200	30.5
19	600HH005-19P	1.280	32.5
21	600HH005-21P	1.400	35.6
23	600HH005-23P	1.530	38.9
25	600HH005-25P	1.660	42.2

Receptacle Holding Tool



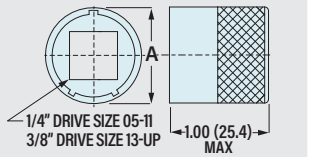
Shell Size	Part Number	B Max in	B Max mm
11	600HH005-11R	.515	13.1
13	600HH005-13R	.650	16.5
15	600HH005-15R	.775	19.7
17	600HH005-17R	.901	22.9
19	600HH005-19R	1.015	25.8
21	600HH005-21R	1.140	29.0
23	600HH005-23R	1.265	32.1
25	600HH005-25R	1.392	35.4

Swing-Arm® Articulating 3-in-1 Clamps

Connector Holding Tools for Series 801 • Series 805 • Series 806

HOLDING TOOL FOR SERIES 801

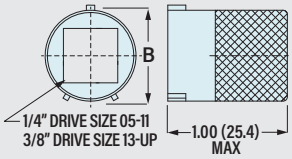
Plug Holding Tool



Shell Size	Part Number	A Max in	A Max mm
05	600MM005-05P✳	.288	7.3
06	600MM005-06P✳	.351	8.9
07	600MM005-07P✳	.414	10.5
08	600MM005-08P✳	.476	12.1
09	600MM005-09P✳	.536	13.6
10	600MM005-10P✳	.599	15.2
11	600MM005-11P✳	.666	16.9
13	600MM005-13P✳	.770	19.6
16	600MM005-16P✳	.945	24.0
17	600MM005-17P✳	.995	25.3
19	600MM005-19P✳	1.091	27.7
21	600MM005-21P✳	1.235	31.4

Replace ✳ with polarizing position N, X, Y, or Z

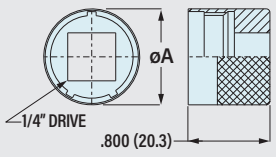
Receptacle Holding Tool



Shell Size	Part Number	B Max in	B Max mm
05	600MM005-05R✳	.229	5.8
06	600MM005-06R✳	.275	7.0
07	600MM005-07R✳	.347	8.8
08	600MM005-08R✳	.392	10.0
09	600MM005-09R✳	.451	11.5
10	600MM005-10R✳	.523	13.3
11	600MM005-11R✳	.567	14.4
13	600MM005-13R✳	.654	16.6
16	600MM005-16R✳	.842	21.4
17	600MM005-17R✳	.902	22.9
19	600MM005-19R✳	1.007	25.6
21	600MM005-21R✳	1.131	28.7

HOLDING TOOL FOR SERIES 805

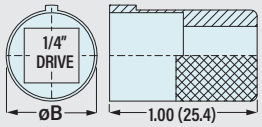
Plug Holding Tool



Shell Size	Part Number	A in	A mm
08	600-185-08P✳	.435	11.0
09	600-185-09P✳	.500	12.7
10	600-185-10P✳	.560	14.2
11	600-185-11P✳	.623	15.8
12	600-185-12P✳	.685	17.4
13	600-185-13P✳	.750	19.1
15	600-185-15P✳	.873	22.2
18	600-185-18P✳	1.060	26.9
19	600-185-19P✳	1.109	28.2
21	600-185-21P✳	1.234	31.3
23	600-185-23P✳	1.359	34.5

Replace ✳ with polarizing position A, B, C, D, E or F

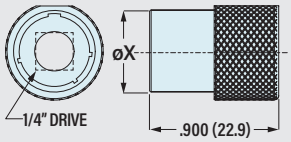
Receptacle Holding Tool



Shell Size	Part Number	B in	B mm
08	600-185-08R	.438	11.1
09	600-185-09R	.438	11.1
10	600-185-10R	.469	11.9
11	600-185-11R	.518	13.2
12	600-185-12R	.591	15.0
13	600-185-13R	.630	16.0
15	600-185-15R	.683	17.3
18	600-185-18R	.839	21.3
19	600-185-19R	.907	23.0
21	600-185-21R	1.002	25.5
23	600-185-23R	1.157	29.4

HOLDING TOOL FOR SERIES 806

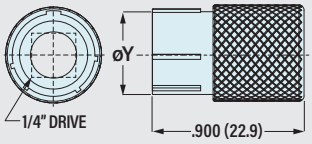
Plug Holding Tool



Shell Size	Part Number	X Max in	X Max mm
7	600-221-07P✳	.395	10.0
8	600-221-08P✳	.465	11.8
9	600-221-09P✳	.520	13.2
10	600-221-10P✳	.590	15.0
11	600-221-11P✳	.670	17.0
12	600-221-12P✳	.715	18.2
14	600-221-14P✳	.840	21.3
16	600-221-16P✳	.950	24.1
18	600-221-18P✳	1.085	27.6
20	600-221-20P✳	1.205	30.6
22	600-221-22P✳	1.330	33.8
24	600-221-24P✳	1.450	36.8

Replace ✳ with polarizing position A, B, C, D, E or F

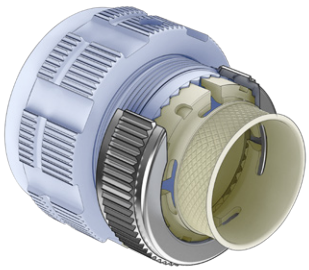
Receptacle Holding Tool



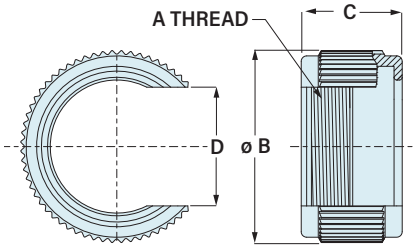
Shell Size	Part Number	Y Max in	Y Max mm
7	600-221-07R✳	.260	6.6
8	600-221-08R✳	.321	8.2
9	600-221-09R✳	.400	10.2
10	600-221-10R✳	.466	11.8
11	600-221-11R✳	.520	13.2
12	600-221-12R✳	.590	15.0
14	600-221-14R✳	.675	17.1
16	600-221-16R✳	.805	20.4
18	600-221-18R✳	.920	23.4
20	600-221-20R✳	1.050	26.7
22	600-221-22R✳	1.135	28.8
24	600-221-24R✳	1.266	32.2

Replace ✳ with polarizing position A, B, C, D, E or F

600-224
Drop-In Adapter Holding Tool



600-224 tool holds drop-in adapter in place while terminating shields to adapter. Slip tool over wire bundle and thread onto connector. Attach shields with banding strap, then unthread tool and remove from assembly. Tool is steel with durable nickel-PTFE finish.



Part Numbers

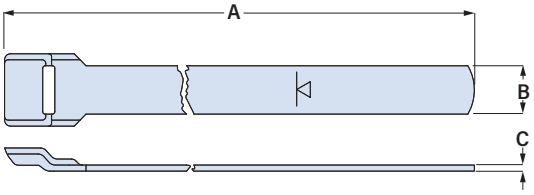
Connector	Shell Size	Part Number	A Thread Class 2B	øB Max in	øB Max mm	C in	C mm	D in	D mm
Adapter Code A AS50151 crimp AS95234 M26482 Ser. II AS81703 Ser. 3 M83723 Ser. III	08	600A224-08	0.500-20 UNF	.72	18.3	.56	14.2	.248	6.3
	10	600A224-10	0.625-24 UNEF	.84	21.3	.56	14.2	.375	9.5
	12	600A224-12	0.750-20 UNEF	.97	24.6	.56	14.2	.494	12.5
	14	600A224-14	0.875-20 UNEF	1.09	27.7	.56	14.2	.655	16.6
	16	600A224-16	1.000-20 UNEF	1.22	31.0	.56	14.2	.748	19.0
	18	600A224-18	1.0625-18 UNEF	1.28	32.5	.56	14.2	.838	21.3
	20	600A224-20	1.1875-18 UNEF	1.40	35.6	.56	14.2	.967	24.6
	22	600A224-22	1.3125-18 UNEF	1.53	38.9	.56	14.2	1.089	27.7
	24	600A224-24	1.4375-18 UNEF	1.65	41.9	.56	14.2	1.217	30.9
Adapter Code F MIL-DTL-38999 Series I Series II	8/9	600F224-08	0.4375-28 UNEF	.66	16.8	.44	11.2	.248	6.3
	10/11	600F224-10	0.5625-24 UNEF	.78	19.8	.44	11.2	.375	9.5
	12/13	600F224-12	0.6875-24 UNEF	.92	23.4	.44	11.2	.494	12.5
	14/15	600F224-14	0.8125-20 UNEF	1.03	26.2	.44	11.2	.615	15.6
	16/17	600F224-16	0.9375-20 UNEF	1.16	29.5	.44	11.2	.721	18.3
	18/19	600F224-18	1.0625-18 UNEF	1.28	32.5	.44	11.2	.838	21.3
	20/21	600F224-20	1.1875-18 UNEF	1.40	35.6	.44	11.2	.967	24.6
	22/23	600F224-22	1.3125-18 UNEF	1.53	38.9	.44	11.2	1.089	27.7
	24/25	600F224-24	1.4375-18 UNEF	1.65	41.9	.44	11.2	1.217	30.9
Adapter Code H MIL-DTL-38999 Series III Series IV	9 (A)	600H224-09	M12X1.0-6H	.70	17.8	.48	12.2	.248	6.3
	11 (B)	600H224-11	M15X1.0-6H	.82	20.8	.48	12.2	.375	9.5
	13 (C)	600H224-13	M18X1.0-6H	.94	23.9	.48	12.2	.494	12.5
	15 (D)	600H224-15	M22X1.0-6H	1.09	27.7	.48	12.2	.655	16.6
	17 (E)	600H224-17	M25X1.0-6H	1.22	31.0	.48	12.2	.748	19.0
	19 (F)	600H224-19	M28X1.0-6H	1.33	33.8	.48	12.2	.867	22.1
	21 (G)	600H224-21	M31X1.0-6H	1.45	36.8	.48	12.2	.967	24.6
	23 (H)	600H224-23	M34X1.0-6H	1.57	39.9	.48	12.2	1.089	27.7
	25 (J)	600H224-25	M37X1.0-6H	1.69	42.9	.48	12.2	1.217	30.9
Adapter Code M Series 80 Mighty Mouse **See table at left for shell sizes*	07*	600M224-07	0.4375-28 UNEF	.66	16.8	.44	11.2	.248	6.3
	08*	600M224-08	0.500-28 UNEF	.72	18.3	.44	11.2	.248	6.3
	09*	600M224-09	0.5625-24 UNEF	.78	19.8	.44	11.2	.375	9.5
	10*	600M224-10	0.625-24 UNEF	.84	21.3	.44	11.2	.375	9.5
	12*	600M224-12	0.6875-24 UNEF	.92	23.4	.44	11.2	.494	12.5
	13*	600M224-13	0.750-20 UNEF	.97	24.6	.44	11.2	.494	12.5
	14*	600M224-14	0.9375-20 UNEF	1.16	29.5	.44	11.2	.721	18.3
	16*	600M224-16	1.0625-18 UNEF	1.28	32.5	.44	11.2	.838	21.3
	17*	600M224-17	1.1875-18 UNEF	1.40	35.6	.44	11.2	.967	24.6
Adapter Code V Series 806	08	600V224-08	M10 x 1.0-6H	.57	14.5	.48	12.2	.248	6.3
	09	600V224-09	M12 x 1.0-6H	.65	16.5	.48	12.2	.248	6.3
	10	600V224-10	M14 x 1.0-6H	.73	18.5	.48	12.2	.375	9.5
	11	600V224-11	M15 x 1.0-6H	.77	19.6	.48	12.2	.375	9.5
	12	600V224-12	M17 x 1.0-6H	.84	21.3	.48	12.2	.484	12.3
	14	600V224-14	M19 x 1.0-6H	.92	23.4	.48	12.2	.562	14.3
	16	600V224-16	M22 x 1.0-6H	1.04	26.4	.48	12.2	.655	16.6
	18	600V224-18	M25 x 1.0-6H	1.16	29.5	.48	12.2	.748	19.0
	20	600V224-20	M28 x 1.0-6H	1.28	32.5	.48	12.2	.867	22.0
	22	600V224-22	M31 x 1.0-6H	1.40	35.6	.48	12.2	.967	24.6
	24	600V224-24	M34 x 1.0-6H	1.51	38.4	.48	12.2	1.089	27.7

Series 80 Size Codes

Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805
07	7	9
08	8	10
09	9	11
10	10	12
12	11, 12, 13	13
13	N/A	15
14	14, 15, 16, 17	18, 19
16	19	21
17	21	23

Series 601
Band-Master ATS® Bands and Tools

Band-Master ATS®
EMI Cable Shield Termination System



The Advanced Band Termination System for Mission-Critical Interconnect Cable Shielding

The Band-Master ATS® Advanced Cable Shield Termination System is the overwhelming shield termination favorite throughout the military aerospace and defense industries, providing excellent static loading and fatigue stress, and corrosion resistance in electrical wire interconnect systems.

Swing-Arm articulating 3-in-1 clamps utilize band technology in three application areas:

1. Securing Swing-Arm Flex arms to wire cable bundles for the purpose of strain relief (Micro and Micro Slim bands recommended)
2. Terminating overall and individual wire shields to Swing-Arm drop-in follower adapters (Micro and Micro Slim bands recommended)
3. Terminating Swing-Arm shield socks to cable shielding in conjunction with split ring adapters (Standard and Slim Standard bands recommended)

Band-Master ATS® provides quick, easy, cost-effective and highly-reliable termination for all of these operations. The calibrated tool applies a constant 360° force for both cable strain relief and braid shield termination. All Band-Master ATS® termination tools are equipped with built-in calibration counters for better quality assurance and control of banding operations. Available flat or pre-coiled, bands are 304 series stainless steel, passivated.

Part Numbers

Size	A Length in	A Length mm	Fits up to Dia. in	Fits up to Dia. mm	B Width in	B Width mm	C Thickness in	C Thickness mm	Band Part Number Flat	Band Part Number Pre-coiled	Hand Tool Part Number
Standard	9	228	1.00	25.4	.24	6.1	.02	0.5	601-005	601-006	601-100
	14	355	1.80	45.7	.24	6.1	.02	0.5	601-040	601-041	
	18	457.	2.50	63.5	.24	6.1	.02	0.5	601-049	601-050	
Slim Standard	9	228	.94	23.9	.24	6.1	.01	0.3	601-570	601-571	601-109
	14	355	1.80	45.7	.24	6.1	.01	0.3	604-572	601-573	
Micro	5	127	.50	12.7	.12	3.0	.015	0.4	601-024	601-025	601-101
	8	203	.88	22.4	.12	3.0	.015	0.4	601-060	601-061	
	14	356	1.88	47.7	.12	3.0	.015	0.4	601-064	601-065	
Micro Slim	8	203	.88	22.4	.12	3.0	.01	0.3	601-600	601-601	601-122
	14	356	1.88	47.7	.12	3.0	.01	0.3	601-602	601-603	

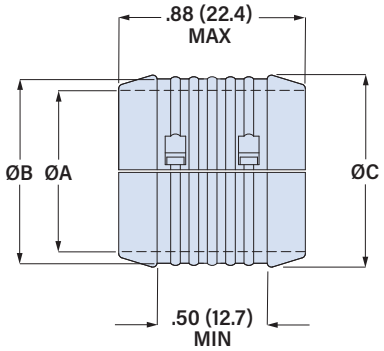
Hand Tools

For more information on the Band-Master ATS shield termination system, including instruction manuals and calibration details:
https://www.glenair.com/bandmaster/

Also Available:
High Volume Pneumatic Tool

687-207
Shield Support Ring

687-207 support ring joins wire bundle shield braid with adapter braid sock. Ring consists of two identical snap-together halves. Install ring over wire bundle, then overlap cable braid and backshell braid. Secure with Band-Master ATS® banding strap, purchased separately. ***Slim Standard Band*** saves 50% weight and thickness with no reduction in performance. Black thermoplastic.



Part Numbers

Support Ring Part Number	øA ± .03 (0.8) in	øA mm	øB ± .03 (0.8) in	øB mm	øC ± .03 (0.8) in	øC mm	Standard Band Flat	Standard Band Pre-Coiled	Slim Standard Band Flat	Slim Standard Band Pre-Coiled
687-207XO04	.25	6.4	.36	9.1	.40	10.2	601-005	601-006	601-570	601-571
687-207XO06	.38	9.7	.49	12.4	.53	13.5	601-005	601-006	601-570	601-571
687-207XO08	.50	12.7	.61	15.5	.65	16.5	601-005	601-006	601-570	601-571
687-207XO10	.63	16.0	.74	18.8	.78	19.8	601-005	601-006	601-570	601-571
687-207XO12	.75	19.1	.86	21.8	.90	22.9	601-005	601-006	601-570	601-571
687-207XO14	.88	22.4	.99	25.1	1.03	26.2	601-040	601-041	601-572	601-573
687-207XO16	1.00	25.4	1.10	27.9	1.15	29.2	601-040	601-041	601-572	601-573
687-207XO18	1.13	28.7	1.24	31.5	1.28	32.5	601-040	601-041	601-572	601-573
687-207XO20	1.25	31.8	1.36	34.5	1.40	35.6	601-040	601-041	601-572	601-573
687-207XO22	1.38	35.1	1.49	37.8	1.53	38.9	601-040	601-041	601-572	601-573
687-207XO24	1.50	38.1	1.61	40.9	1.65	41.9	601-040	601-041	601-572	601-573
687-207XO26	1.63	41.4	1.74	44.2	1.78	45.2	601-040	601-041	601-572	601-573
687-207XO28	1.75	44.5	1.86	47.2	1.90	48.3	601-049	601-050	N/A	N/A
687-207XO30	1.88	47.8	2.00	50.8	2.03	51.6	601-049	601-050	N/A	N/A
687-207XO32	2.00	50.8	2.13	54.1	2.16	54.9	601-049	601-050	N/A	N/A

Section Table of Contents and Swing-Arm Selection Guide

This section of the catalog covering the available types of Swing-Arm clamps is organized by connector series. The first group of clamps is designed for use with the following military standard connector series: MIL-DTL-38999, AS50151 crimp, AS95234, MIL-DTL-26482 Sr. II, AS81703 Sr. 3, and MIL-DTL-83723 Sr. III. The second section presents the Swing-Arm clamps designed for use with Series 80 Mighty Mouse connectors, and finally the third section presents the range of clamps suitable for use with Series 806 Mil-Aero.

Swing-Arm Saddle Clamps

Unshielded | With Integrated Braid Sock, Aluminum or SST | With Drop-In Band Adapter, Aluminum or SST

FOR MIL-DTL-38999, AS50151 CRIMP, AS95234, MIL-DTL-26482 SR. II, AS81703 SR. 3, AND MIL-DTL-83723 SR. III CONNECTORS

FOR SERIES 80 MIGHTY MOUSE

FOR SERIES 806 MIL-AERO

Swing-Arm Flex Clamps

Unshielded | With Integrated Braid Sock, Aluminum | With Drop-In Band Adapter, Aluminum

FOR MIL-DTL-38999, AS50151 CRIMP, AS95234, MIL-DTL-26482 SR. II, AS81703 SR. 3, AND MIL-DTL-83723 SR. III CONNECTORS

FOR SERIES 80 MIGHTY MOUSE

FOR SERIES 806 MIL-AERO

870A001 • 870F001 • 870H001
Saddle Clamp for Unshielded Wire Bundles

FOR MIL-DTL-38999, AS50151 CRIMP, AS95234, MIL-DTL-26482 SR. II, AS81703 SR. 3, AND MIL-DTL-83723 SR. III CONNECTORS

Self-locking, adjustable arms. Composite, aluminum or SST. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Arms have self-locking threaded inserts to withstand high vibration. 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. Available in composite, aluminum or stainless steel.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, AS81703 Ser. 3, MIL-DTL-83723 Ser. III

Shell Size	A Thread Class 2B	øB Min in	øB Min mm
08	0.500-20 UNF	.264	6.7
10	0.625-24 UNEF	.365	9.3
12	0.750-20 UNEF	.498	12.6
14	0.875-20 UNEF	.575	14.6
16	1.000-20 UNEF	.700	17.8
18	1.0625-18 UNEF	.779	19.8
20	1.1875-18 UNEF	.904	23.0
22	1.3125-18 UNEF	1.029	26.1
24	1.4375-18 UNEF	1.144	29.1

Adapter Code F

MIL-DTL-38999 Series I and Series II

Shell Size	Shell Size Code	A Thread UNEF-2B	øB Min in	øB Min mm
8/9	08	0.4375-28	.264	6.7
10/11	10	0.5625-24	.392	10.0
12/13	12	0.6875-24	.506	12.9
14/15	14	0.8125-20	.631	16.0
16/17	16	0.9375-20	.756	19.2
18/19	18	1.0625-18	.844	21.4
20/21	20	1.1875-18	.970	24.6
22/23	22	1.3125-18	1.094	27.8
24/25	24	1.4375-18	1.219	31.0

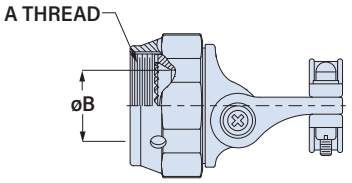
Adapter Code H

MIL-DTL-38999 Series III and Series IV

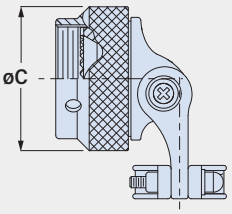
Shell Size	Shell Size Code	A Thread	øB Min in	øB Min mm
9 (A)	09	M12X1.0-6H	.264	6.7
11 (B)	11	M15X1.0-6H	.390	9.9
13 (C)	13	M18X1.0-6H	.504	12.8
15 (D)	15	M22X1.0-6H	.630	16.0
17 (E)	17	M25X1.0-6H	.756	19.2
19 (F)	19	M28X1.0-6H	.843	21.4
21 (G)	21	M31X1.0-6H	.969	24.6
23 (H)	23	M34X1.0-6H	1.091	27.7
25 (J)	25	M37X1.0-6H	1.217	30.9

PART NUMBER

		870A001	XB	22	B
Base P/N	**870A001** Adapter Code **A** **870F001** Adapter Code **F** **870H001** Adapter Code **H**				
Material/Finish	*Composite* **XB** No Finish (Black) *Aluminum* **M** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFE **TZ** Tin-Zinc **ZR** Black Zinc-Nickel *Stainless Steel* **Z1** Passivated				
Shell Size	*See Adapter Code Tables For Shell Size*				
Clamp Size	**A** Standard Clamp **B** Large Clamp				



ALUMINUM AND SST VERSIONS



Aluminum and stainless steel versions have round knurled coupling nuts.

MATERIAL/FINISH

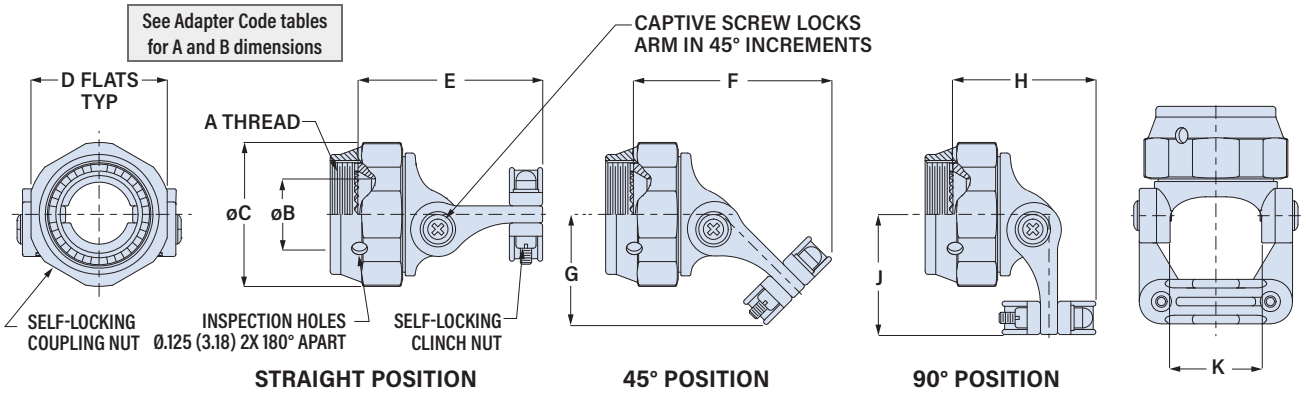
Composite *(Code XB)*
- **Coupling nut, body, arms, saddles:** polyetherimide (PEI), unplated
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch Nuts:** stainless steel, silver plated

Aluminum *(Codes M, MT, NF, 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: stainless steel/ olive drab cadmium

Stainless Steel *(Code Z1)*
- **Coupling nut, body, arms, saddles:** SST
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** stainless steel
- **Clinch Nuts:** stainless steel, silver plated

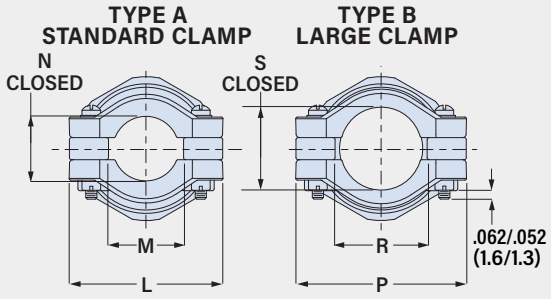
Rev. 07.05.23

870A001 • 870F001 • 870H001
Saddle Clamp for Unshielded Wire Bundles



Shell Size	C Max in	C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
8/9	.812	20.6	.750	19.1	1.43	36.3	1.35	34.3	.78	19.8	.91	23.1	.87	22.1	.393	10.0
10/11	.938	23.8	.875	22.2	1.50	38.1	1.45	36.8	.87	22.1	.94	23.9	.96	24.4	.455	11.6
12/13	1.125	28.6	1.000	25.4	1.56	39.6	1.60	40.6	.97	24.6	1.12	28.4	1.03	26.2	.598	15.2
14/15	1.250	31.8	1.125	28.6	1.57	39.9	1.68	42.7	1.02	25.9	1.21	30.7	1.10	27.9	.710	18.0
16/17	1.375	34.9	1.250	31.8	1.66	42.2	1.78	45.2	1.09	27.7	1.29	32.8	1.16	29.5	.839	21.3
18/19	1.500	38.1	1.375	34.9	1.66	42.2	1.86	47.2	1.14	29.0	1.39	35.3	1.22	31.0	.934	23.7
20/21	1.625	41.3	1.500	38.1	1.81	46.0	2.02	51.3	1.24	31.5	1.50	38.1	1.29	32.8	1.068	27.1
22/23	1.750	44.5	1.625	41.3	1.84	46.7	2.09	53.1	1.30	33.0	1.57	39.9	1.36	34.5	1.197	30.4
24/25	1.875	47.6	1.750	44.5	2.00	50.8	2.20	55.9	1.45	36.8	1.64	41.7	1.55	39.4	1.323	33.6

CLAMP DIMENSIONS



Shell Size	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Large Clamp P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
8/9	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
10/11	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
12/13	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
14/15	1.30	33.0	.47	11.9	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
16/17	1.44	36.6	.55	14.0	.590	15.0	1.60	40.6	.80	20.3	.759	19.3
18/19	1.56	39.6	.62	15.7	.660	16.8	1.73	43.9	.90	22.9	.841	21.4
20/21	1.69	42.9	.70	17.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3
22/23	1.77	45.0	.78	19.8	.826	21.0	2.08	52.8	1.18	30.0	1.060	26.9
24/25	1.89	48.0	.85	21.6	.896	22.8	2.32	58.9	1.30	33.0	1.124	28.5

870A002 • 870F002 • 870H002
Composite Shield-Sock Saddle Clamp

FOR MIL-DTL-38999, AS50151 CRIMP, AS95234, MIL-DTL-26482 SR. II, AS81703 SR. 3, AND MIL-DTL-83723 SR. III CONNECTORS

Shielded, self-locking, adjustable arms. 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 A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, AS81703 Ser. 3, MIL-DTL-83723 Ser. III

Shell Size Code	A Thread Class 2B	øB Min in	øB Min mm
08	0.500-20 UNF	.264	6.7
10	0.625-24 UNEF	.365	9.3
12	0.750-20 UNEF	.498	12.6
14	0.875-20 UNEF	.575	14.6
16	1.000-20 UNEF	.700	17.8
18	1.0625-18 UNEF	.779	19.8
20	1.1875-18 UNEF	.904	23.0
22	1.3125-18 UNEF	1.029	26.1
24	1.4375-18 UNEF	1.144	29.1

Adapter Code F

MIL-DTL-38999 Series I and Series II

Shell Size	Shell Size Code	A Thread UNEF-2B	øB Min in	øB Min mm
8/9	08	0.4375-28	.264	6.7
10/11	10	0.5625-24	.392	10.0
12/13	12	0.6875-24	.506	12.9
14/15	14	0.8125-20	.631	16.0
16/17	16	0.9375-20	.756	19.2
18/19	18	1.0625-18	.844	21.4
20/21	20	1.1875-18	.970	24.6
22/23	22	1.3125-18	1.094	27.8
24/25	24	1.4375-18	1.219	31.0

Adapter Code H

MIL-DTL-38999 Series III and Series IV

Shell Size	Shell Size Code	A Thread	øB Min in	øB Min mm
9 (A)	09	M12X1.0-6H	.264	6.7
11 (B)	11	M15X1.0-6H	.390	9.9
13 (C)	13	M18X1.0-6H	.504	12.8
15 (D)	15	M22X1.0-6H	.630	16.0
17 (E)	17	M25X1.0-6H	.756	19.2
19 (F)	19	M28X1.0-6H	.843	21.4
21 (G)	21	M31X1.0-6H	.969	24.6
23 (H)	23	M34X1.0-6H	1.091	27.7
25 (J)	25	M37X1.0-6H	1.217	30.9

PART NUMBER

	870A002	BM	22	A	N	J	14
Base P/N	870A002 Adapter Code A 870F002 Adapter Code F 870H002 Adapter Code H						
Interface Ring Material/Finish	*See Table 1*						
Shell Size	*See Adapter Code Tables For Shell Size*						
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						
Support Ring and Band	*Omit if not required. See "Shield Support Ring" on next page.* K Shield support ring and standard band J Shield support 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.						

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

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

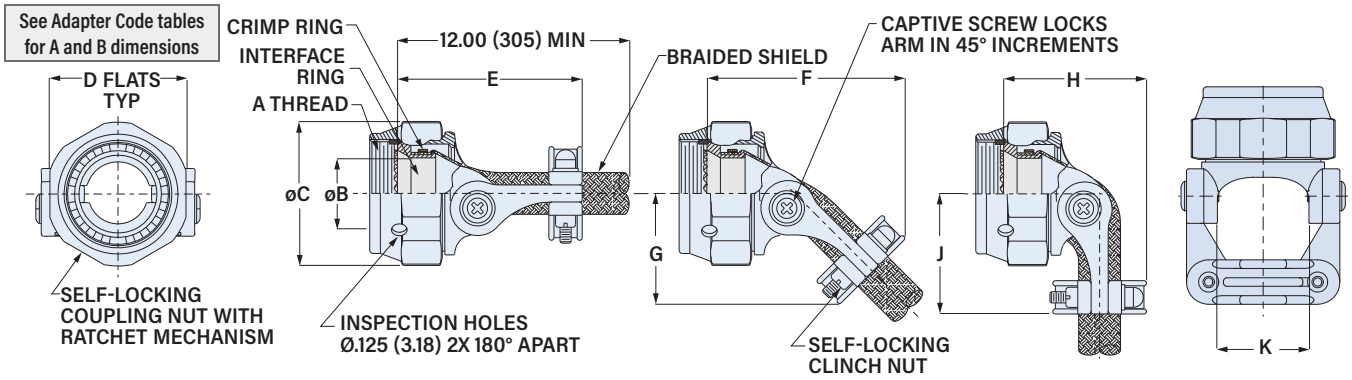
Support ring (optional): thermoplastic

Clinch nuts: stainless steel/silver

Band (optional): stainless steel/passivated

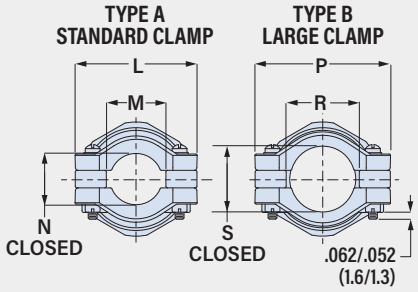
Braid:
- Code N: 34 AWG nickel-coated copper
- Code T: 34 AWG tin-coated copper,
- Code A: *AmberStrand®* ultralightweight nickel-coated polymer
- Code L: *ArmorLite®* lightweight microfilament nickel-coated 316L stainless steel

870A002 • 870F002 • 870H002
Composite Shield-Sock Saddle Clamp



Shell Size	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
8/9	.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
10/11	.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
12/13	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
14/15	1.250	31.8	1.125	28.6	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
16/17	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
18/19	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
20/21	1.625	41.3	1.500	38.1	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1
22/23	1.750	44.5	1.625	41.3	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4
24/25	1.875	47.6	1.750	44.5	1.94	49.3	2.23	56.6	1.33	33.8	1.70	43.2	1.40	35.6	1.323	33.6

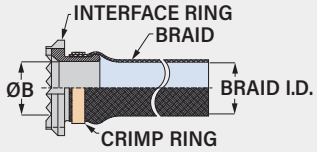
CLAMP DIMENSIONS



Shell Size	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm
8/9	.98	24.9	.22	5.6	.265	6.7
10/11	1.05	26.7	.27	6.9	.310	7.9
12/13	1.20	30.5	.35	8.9	.422	10.7
14/15	1.30	33.0	.47	11.9	.538	13.7
16/17	1.44	36.6	.55	14.0	.590	15.0
18/19	1.56	39.6	.62	15.7	.660	16.8
20/21	1.69	42.9	.70	17.8	.744	18.9
22/23	1.77	45.0	.78	19.8	.826	21.0
24/25	1.89	48.0	.85	21.6	.896	22.8

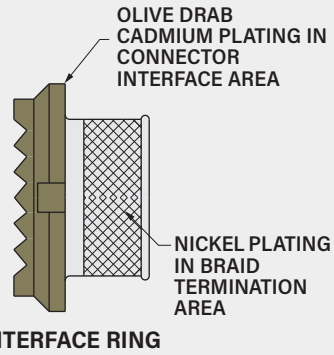
Shell Size	Large Clamp P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
8/9	.98	24.9	.33	8.4	.356	9.0
10/11	1.20	30.5	.45	11.4	.422	10.7
12/13	1.45	36.8	.62	15.7	.637	16.2
14/15	1.54	39.1	.68	17.3	.707	18.0
16/17	1.60	40.6	.80	20.3	.759	19.3
18/19	1.73	43.9	.90	22.9	.841	21.4
20/21	1.95	49.5	1.05	26.7	.996	25.3
22/23	2.08	52.8	1.18	30.0	1.060	26.9
24/25	2.32	58.9	1.30	33.0	1.124	28.5

INTERFACE RING AND BRAID

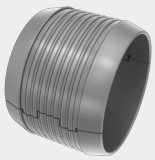


Shell Size	Braid I.D. in	Braid I.D. mm
8/9	.375	9.5
10/11	.375	9.5
12/13	.500	12.7
14/15	.500	12.7
16/17	.781	19.8
18/19	.781	19.8
20/21	1.000	25.4
22/23	1.000	25.4
24/25	1.250	31.8

FIGURE 1
NF AND BN SELECTIVE FINISH



SHIELD SUPPORT RING AND BAND (K AND J OPTIONS)


Support Ring

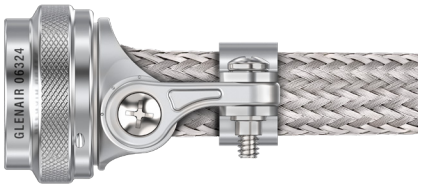

Band

Optional shield support ring provides a reliable, low resistance method of joining Swing-Arm braid to wire bundle braid. Snap two-piece ring over wire bundle, then overlap braid sock, pigtails and cable braid. Install band around ring and braid using Band-Master ATS® banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

870A003 • 870F003 • 870H003
Aluminum or Stainless Steel Shield-Sock Saddle Clamp

FOR MIL-DTL-38999, AS50151 CRIMP, AS95234, MIL-DTL-26482 SR. II, AS81703 SR. 3, AND MIL-DTL-83723 SR. III CONNECTORS



Shielded, self-locking, adjustable arms. 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®. 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 A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, AS81703 Ser. 3, MIL-DTL-83723 Ser. III

Shell Size	A Thread Class 2B	øB Min in	øB Min mm
08	0.500-20 UNF	.264	6.7
10	0.625-24 UNEF	.365	9.3
12	0.750-20 UNEF	.498	12.6
14	0.875-20 UNEF	.575	14.6
16	1.000-20 UNEF	.700	17.8
18	1.0625-18 UNEF	.779	19.8
20	1.1875-18 UNEF	.904	23.0
22	1.3125-18 UNEF	1.029	26.1
24	1.4375-18 UNEF	1.144	29.1

Adapter Code F

MIL-DTL-38999 Series I and Series II

Shell Size	Shell Size Code	A Thread UNEF-2B	øB Min in	øB Min mm
8/9	08	0.4375-28	.264	6.7
10/11	10	0.5625-24	.392	10.0
12/13	12	0.6875-24	.506	12.9
14/15	14	0.8125-20	.631	16.0
16/17	16	0.9375-20	.756	19.2
18/19	18	1.0625-18	.844	21.4
20/21	20	1.1875-18	.970	24.6
22/23	22	1.3125-18	1.094	27.8
24/25	24	1.4375-18	1.219	31.0

Adapter Code H

MIL-DTL-38999 Series III and Series IV

Shell Size	Shell Size Code	A Thread	øB Min in	øB Min mm
9 (A)	09	M12X1.0-6H	.264	6.7
11 (B)	11	M15X1.0-6H	.390	9.9
13 (C)	13	M18X1.0-6H	.504	12.8
15 (D)	15	M22X1.0-6H	.630	16.0
17 (E)	17	M25X1.0-6H	.756	19.2
19 (F)	19	M28X1.0-6H	.843	21.4
21 (G)	21	M31X1.0-6H	.969	24.6
23 (H)	23	M34X1.0-6H	1.091	27.7
25 (J)	25	M37X1.0-6H	1.217	30.9

PART NUMBER

	870A003	M	12	B	L	K	14
Base P/N	870A003 Adapter Code A 870F003 Adapter Code F 870H003 Adapter Code H						
Material/Finish	*See Table 1*						
Shell Size	*See Adapter Code Tables For Shell Size*						
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						
Support Ring and Band	*Omit if not required. See "Shield Support Ring" on next page.* K Shield support ring and standard band J Shield support 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.						

TABLE 1 MATERIAL / FINISH

	Aluminum
M	Electroless nickel
NF	Olive drab cadmium, selective (fig. 1)
MT	Nickel-PTFE
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

MATERIAL/FINISH

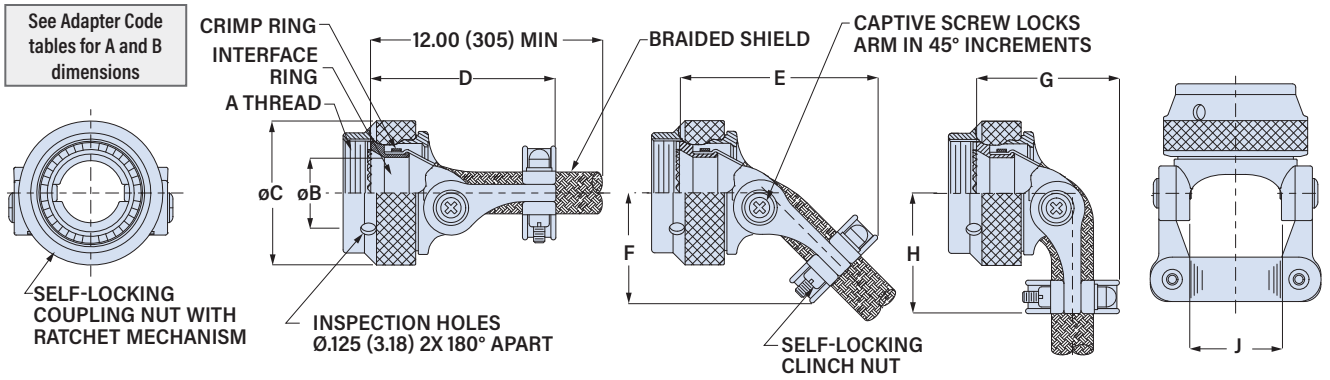
Aluminum *(Codes M, MT, NF, TZ, ZR)*
- **Coupling nut, body, arms, saddles, interface ring:** aluminum
- **Crimp Ring:** copper alloy/ tin plated
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling spring:** thermoplastic
- **Support Ring:** thermoplastic
- **Clinch nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF: stainless steel/ olive drab cadmium

Stainless Steel *(Codes BM, BMT, Z1, ZM)*
- **Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts:** stainless steel, passivated
- **Crimp Ring:** copper alloy/ tin plated
- **Clinch nuts:** stainless steel, silver plated
- **Support Ring:** thermoplastic
- **interface ring:** brass (codes BM, BMT) or stainless steel (Z1, ZM)

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

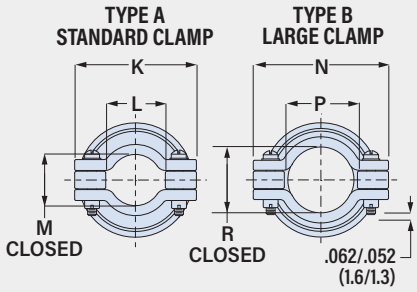
870A003 • 870F003 • 870H003
Aluminum or Stainless Steel Shield-Sock Saddle Clamp

See Adapter Code tables for A and B dimensions



Shell Size	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. in	J Ref. mm
8/9	.812	20.6	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
10/11	.938	23.8	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
12/13	1.125	28.6	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
14/15	1.250	31.8	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
16/17	1.375	34.9	1.73	43.9	1.86	47.2	1.08	27.4	1.36	34.5	1.13	28.7	.839	21.3
18/19	1.500	38.1	1.73	43.9	1.93	49.0	1.12	28.4	1.46	37.1	1.20	30.5	.934	23.7
20/21	1.625	41.3	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1
22/23	1.750	44.5	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4
24/25	1.875	47.6	1.94	49.3	2.23	56.6	1.33	33.8	1.70	43.2	1.40	35.6	1.323	33.6

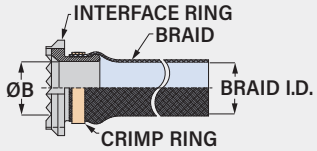
CLAMP DIMENSIONS



Shell Size	Standard Clamp K Max in	K Max mm	L Min in	L Min mm	M Ref. in	M Ref. mm
8/9	.98	24.9	.22	5.6	.265	6.7
10/11	1.05	26.7	.27	6.9	.310	7.9
12/13	1.20	30.5	.35	8.9	.422	10.7
14/15	1.30	33.0	.47	11.9	.538	13.7
16/17	1.44	36.6	.55	14.0	.590	15.0
18/19	1.56	39.6	.62	15.7	.660	16.8
20/21	1.69	42.9	.70	17.8	.744	18.9
22/23	1.77	45.0	.78	19.8	.826	21.0
24/25	1.89	48.0	.85	21.6	.896	22.8

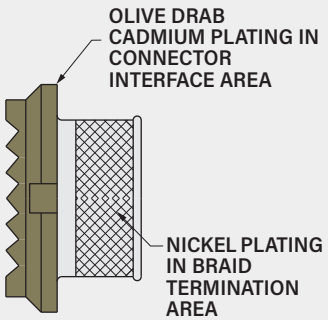
Shell Size	Large Clamp N Max in	N Max mm	P Min in	P Min mm	R Ref. in	R Ref. mm
8/9	.98	24.9	.33	8.4	.356	9.0
10/11	1.20	30.5	.45	11.4	.422	10.7
12/13	1.45	36.8	.62	15.7	.637	16.2
14/15	1.54	39.1	.68	17.3	.707	18.0
16/17	1.60	40.6	.80	20.3	.759	19.3
18/19	1.73	43.9	.90	22.9	.841	21.4
20/21	1.95	49.5	1.05	26.7	.996	25.3
22/23	2.08	52.8	1.18	30.0	1.060	26.9
24/25	2.32	58.9	1.30	33.0	1.124	28.5

INTERFACE RING AND BRAID

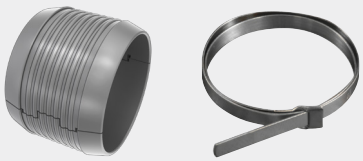


Shell Size	Braid I.D. in	Braid I.D. mm
8/9	.375	9.5
10/11	.375	9.5
12/13	.500	12.7
14/15	.500	12.7
16/17	.781	19.8
18/19	.781	19.8
20/21	1.000	25.4
22/23	1.000	25.4
24/25	1.250	31.8

FIGURE 1
NF SELECTIVE FINISH



SHIELD SUPPORT RING AND BAND (K AND J OPTIONS)



Optional support ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

870A004 • 870F004 • 870H004
Composite Saddle Clamp with Drop-In Band Adapter

FOR MIL-DTL-38999, AS50151 CRIMP, AS95234, MIL-DTL-26482 SR. II, AS81703 SR. 3, AND MIL-DTL-83723 SR. III CONNECTORS

Shielded, self-locking, adjustable arms. Adjustable arms pivot to 0°, 45° or 90° positions. "Drop-in" 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 A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, AS81703 Ser. 3, MIL-DTL-83723 Ser. III

Shell Size	A Thread Class 2B	øB Min in	øB Min mm
08	0.500-20 UNF	.178	4.5
10	0.625-24 UNEF	.305	7.8
12	0.750-20 UNEF	.404	10.3
14	0.875-20 UNEF	.565	14.4
16	1.000-20 UNEF	.658	16.7
18	1.0625-18 UNEF	.748	19.0
20	1.1875-18 UNEF	.877	22.3
22	1.3125-18 UNEF	.999	25.4
24	1.4375-18 UNEF	1.127	28.6

Adapter Code F

MIL-DTL-38999 Series I and Series II

Shell Size	Shell Size Code	A Thread UNEF-2B	øB Min in	øB Min mm
8/9	08	0.4375-28	.178	4.5
10/11	10	0.5625-24	.305	7.7
12/13	12	0.6875-24	.404	10.3
14/15	14	0.8125-20	.526	13.4
16/17	16	0.9375-20	.631	16.0
18/19	18	1.0625-18	.748	19.0
20/21	20	1.1875-18	.877	22.3
22/23	22	1.3125-18	.999	25.4
24/25	24	1.4375-18	1.127	28.6

Adapter Code H

MIL-DTL-38999 Series III and Series IV

Shell Size	Shell Size Code	A Thread	øB Min in	øB Min mm
9 (A)	09	M12X1.0-6H	.178	4.5
11 (B)	11	M15X1.0-6H	.305	7.7
13 (C)	13	M18X1.0-6H	.404	10.3
15 (D)	15	M22X1.0-6H	.526	13.4
17 (E)	17	M25X1.0-6H	.658	16.7
19 (F)	19	M28X1.0-6H	.777	19.7
21 (G)	21	M31X1.0-6H	.877	22.3
23 (H)	23	M34X1.0-6H	.999	25.4
25 (J)	25	M37X1.0-6H	1.127	28.6

PART NUMBER

	870A004	M	22	A	S	K

Base P/N
- 870A004 Adapter Code A
- 870F004 Adapter Code F
- 870H004 Adapter Code H

Banding Adapter Material/Finish
- M Alum/Electroless Nickel
- NF Alum/Olive Drab Cadmium
- NFS Alum/O.D. Cadmium, selective (fig. 1)
- MT Alum/Nickel-PTFE
- TZ Alum/Tin-Zinc
- BM Brass/Electroless Nickel
- BN Brass/Olive Drab Cadmium
- BNS Brass/O.D. Cadmium, selective (fig. 1)
- BMT Brass/Nickel-PTFE

Shell Size — *See Adapter Code Tables For Shell Size*

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 Micro Slim Band included With Clamp

FIGURE 1
FINISH CODES *NFS*, *BNS*

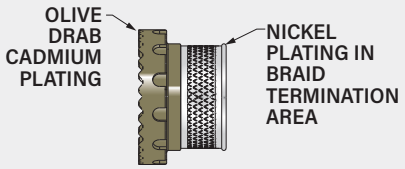
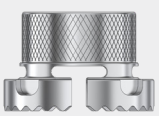


FIGURE 2
BANDING ADAPTER SLOTS



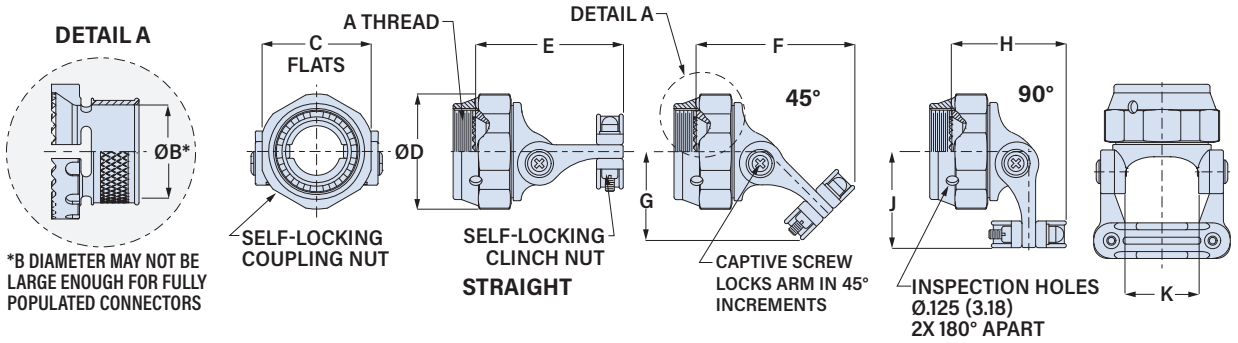
Route pigtail shield braids into optional "T" slots in banding adapter.

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

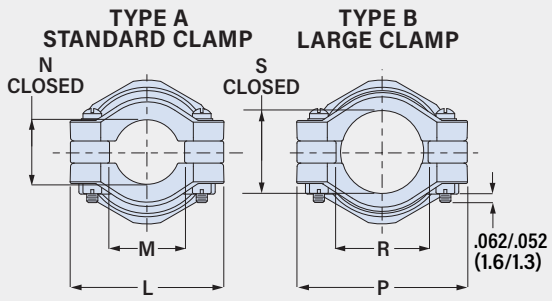
870A004 • 870F004 • 870H004
Composite Saddle Clamp with Drop-In Band Adapter

See Adapter Code tables for A and B dimensions



Shell Size	C Flats in	C Flats mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
8/9	.750	19.1	.812	20.6	1.53	38.9	1.36	34.5	.79	20.1	1.01	25.7	.86	21.8	.393	10.0
10/11	.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
12/13	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
14/15	1.125	28.6	1.250	31.8	1.67	42.4	1.76	44.7	1.00	25.4	1.28	32.5	1.10	27.9	.710	18.0
16/17	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
18/19	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
20/21	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
22/23	1.625	41.3	1.750	44.5	1.95	49.5	2.18	55.4	1.28	32.5	1.67	42.4	1.36	34.5	1.197	30.4
24/25	1.750	44.5	1.875	47.6	1.98	50.3	2.25	57.2	1.34	34.0	1.73	43.9	1.43	36.3	1.323	33.6

CLAMP DIMENSIONS



Standard Clamp: Shell Size	L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm
8/9	.97	24.6	.22	5.6	.264	6.7
10/11	1.03	26.2	.29	7.4	.310	7.9
12/13	1.21	30.7	.34	8.6	.422	10.7
14/15	1.32	33.5	.45	11.4	.538	13.7
16/17	1.45	36.8	.55	14.0	.590	15.0
18/19	1.54	39.1	.65	16.5	.660	16.8
20/21	1.67	42.4	.74	18.8	.744	18.9
22/23	1.79	45.5	.87	22.1	.826	21.0
24/25	1.92	48.8	.99	25.1	.896	22.8

Large Clamp: Shell Size	P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
8/9	.98	24.9	.33	8.4	.356	9.0
10/11	1.20	30.5	.45	11.4	.422	10.7
12/13	1.45	36.8	.62	15.7	.637	16.2
14/15	1.54	39.1	.68	17.3	.707	18.0
16/17	1.60	40.6	.80	20.3	.759	19.3
18/19	1.73	43.9	.90	22.9	.841	21.4
20/21	1.95	49.5	1.05	26.7	.996	25.3
22/23	2.08	52.8	1.18	30.0	1.060	26.9
24/25	2.32	58.9	1.30	33.0	1.124	28.5

BANDING TOOLS AND BANDS

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

Micro Slim Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro Slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8/9 – 12/13	601-061	601-601	8.125	206	.88	22.4
14/15 – 24/25	601-065	601-603	14.25	362	1.88	47.8

870A005 • 870F005 • 870H005
Aluminum or SST Saddle Clamp with Drop-In Band Adapter

FOR MIL-DTL-38999, AS50151 CRIMP, AS95234, MIL-DTL-26482 SR. II, AS81703 SR. 3, AND MIL-DTL-83723 SR. III CONNECTORS

Shielded, self-locking, adjustable arms. Adjustable arms pivot to 0°, 45° or 90° positions. "Drop-in" 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 A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, AS81703 Ser. 3, MIL-DTL-83723 Ser. III

Shell Size	A Thread Class 2B	øB Min in	øB Min mm
08	0.500-20 UNF	.178	4.5
10	0.625-24 UNEF	.305	7.8
12	0.750-20 UNEF	.404	10.3
14	0.875-20 UNEF	.565	14.4
16	1.000-20 UNEF	.658	16.7
18	1.0625-18 UNEF	.748	19.0
20	1.1875-18 UNEF	.877	22.3
22	1.3125-18 UNEF	.999	25.4
24	1.4375-18 UNEF	1.127	28.6

Adapter Code F

MIL-DTL-38999 Series I and Series II

Shell Size	Shell Size Code	A Thread UNEF-2B	øB Min in	øB Min mm
8/9	08	0.4375-28	.178	4.5
10/11	10	0.5625-24	.305	7.7
12/13	12	0.6875-24	.404	10.3
14/15	14	0.8125-20	.526	13.4
16/17	16	0.9375-20	.631	16.0
18/19	18	1.0625-18	.748	19.0
20/21	20	1.1875-18	.877	22.3
22/23	22	1.3125-18	.999	25.4
24/25	24	1.4375-18	1.127	28.6

Adapter Code H

MIL-DTL-38999 Series III and Series IV

Shell Size	Shell Size Code	A Thread	øB Min in	øB Min mm
9 (A)	09	M12X1.0-6H	.178	4.5
11 (B)	11	M15X1.0-6H	.305	7.7
13 (C)	13	M18X1.0-6H	.404	10.3
15 (D)	15	M22X1.0-6H	.526	13.4
17 (E)	17	M25X1.0-6H	.658	16.7
19 (F)	19	M28X1.0-6H	.777	19.7
21 (G)	21	M31X1.0-6H	.877	22.3
23 (H)	23	M34X1.0-6H	.999	25.4
25 (J)	25	M37X1.0-6H	1.127	28.6

PART NUMBER

	870A005	M	22	A	S	K
Base P/N	870A005 Adapter Code A 870F005 Adapter Code F 870H005 Adapter Code H					
Material/Finish	*See Table 1*					
Shell Size	*See Adapter Code Tables For Shell Size*					
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 Micro Slim 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
ZI	SST interface ring, passivated
ZM	SST interface ring, nickel plated

FIGURE 1
MATERIAL/ FINISH CODE *NFS*

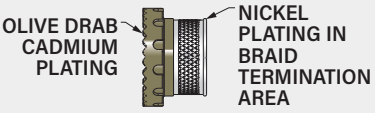
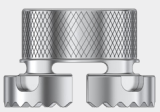


FIGURE 2
BANDING ADAPTER SLOTS

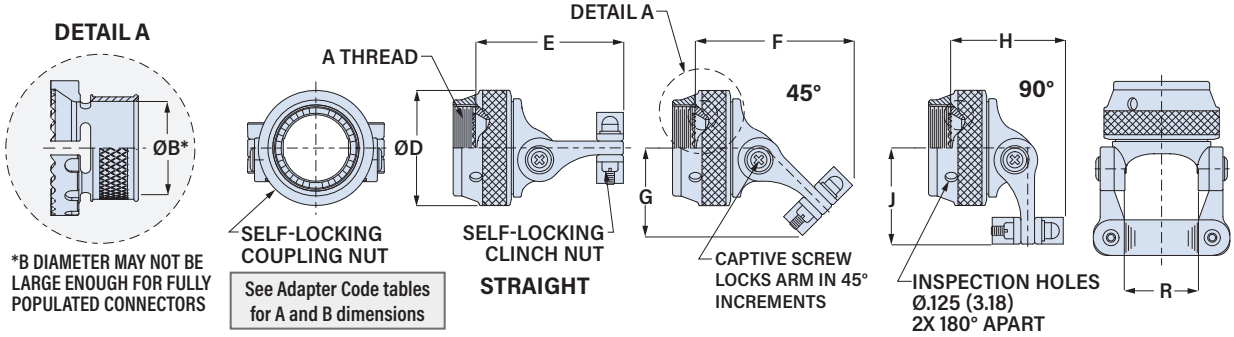


Route pigtail shield braids into optional "T" slots in banding adapter.

Swing-Arm® Articulating 3-in-1 Clamps

870A005 • 870F005 • 870H005

Aluminum or SST Saddle Clamp with Drop-In Band Adapter



Shell Size	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	R Ref. in	R Ref. mm
8/9	.812	20.6	1.55	39.4	1.45	36.8	.77	19.6	.98	24.9	.87	22.1	.393	10.0
10/11	.938	23.8	1.61	40.9	1.56	39.6	.87	22.1	1.05	26.7	.96	24.4	.455	11.6
12/13	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
14/15	1.250	31.8	1.67	42.4	1.79	45.5	1.02	25.9	1.32	33.5	1.10	27.9	.710	18.0
16/17	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
18/19	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
20/21	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
22/23	1.750	44.5	1.95	49.5	2.20	55.9	1.30	33.0	1.68	42.7	1.36	34.5	1.197	30.4
24/25	1.875	47.6	2.10	53.3	2.31	58.7	1.39	35.3	1.75	44.5	1.55	39.4	1.323	33.6

MATERIAL / FINISH

Aluminum
Codes M, MT, NF, NFS TZ, ZR

- **Coupling nut, body, arms, saddles, interface ring:** 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

BANDING TOOLS AND BANDS

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.

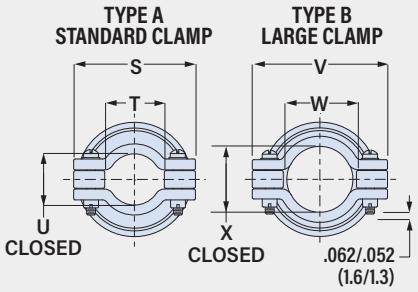
Band

Micro Band Tool
601-101

Micro Slim Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro Slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8/9 – 12/13	601-061	601-601	8.125	206	.88	22.4
14/15 – 24/25	601-065	601-603	14.25	362	1.88	47.8

CLAMP DIMENSIONS



Shell Size	Standard Clamp S Max in	S Max mm	T Min in	T Min mm	U Ref. in	U Ref. mm
8/9	.97	24.6	.22	5.6	.264	6.7
10/11	1.03	26.2	.29	7.4	.310	7.9
12/13	1.21	30.7	.34	8.6	.422	10.7
14/15	1.32	33.5	.45	11.4	.538	13.7
16/17	1.45	36.8	.55	14.0	.590	15.0
18/19	1.54	39.1	.65	16.5	.660	16.8
20/21	1.67	42.4	.74	18.8	.744	18.9
22/23	1.79	45.5	.87	22.1	.826	21.0
24/25	1.92	48.8	.99	25.1	.896	22.8

Shell Size	Large Clamp V Max in	V Max mm	W Min in	W Min mm	X Ref. in	X Ref. mm
8/9	.98	24.9	.33	8.4	.356	9.0
10/11	1.20	30.5	.45	11.4	.422	10.7
12/13	1.45	36.8	.62	15.7	.637	16.2
14/15	1.54	39.1	.68	17.3	.707	18.0
16/17	1.60	40.6	.80	20.3	.759	19.3
18/19	1.73	43.9	.90	22.9	.841	21.4
20/21	1.95	49.5	1.05	26.7	.996	25.3
22/23	2.08	52.8	1.18	30.0	1.060	26.9
24/25	2.32	58.9	1.30	33.0	1.124	28.5

Rev. 07.05.23

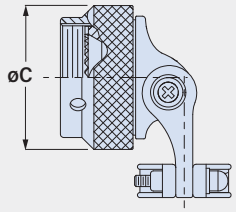
870M001
Saddle Clamp for Unshielded Wire Bundles

FOR SERIES 80 MIGHTY MOUSE CONNECTORS

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

ALUMINUM AND SST VERSIONS

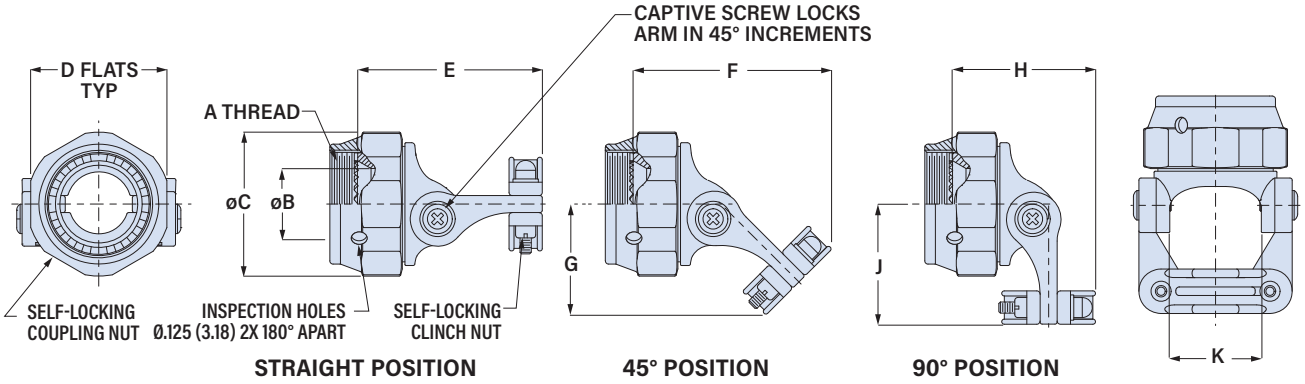


Aluminum and stainless steel versions have round knurled coupling nuts.

Self-locking, adjustable arms. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Arms have self-locking threaded inserts to withstand high vibration. 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. Available in composite, aluminum or stainless steel.

PART NUMBER

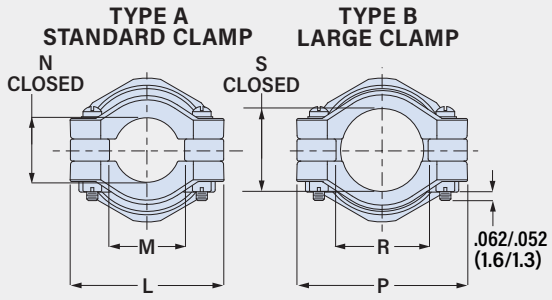
	870M001	XB	22	B
Base P/N	**870M001**			
Material/Finish	*Composite* **XB** No Finish (Black) *Aluminum* **M** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFR **TZ** Tin-Zinc **ZR** Black Zinc-Nickel *Stainless Steel* **Z1** Passivated			
Size Code	**07 09 12 14 16 17** *See table below for size code*			
Clamp Size	**A** Standard Clamp **B** Large Clamp			



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Min in	øB Min mm	C Flats Max in	C Flats Max mm	øD Max in	øD Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
07	7	9	0.4375-28	.264	6.7	.750	19.1	.812	20.6	1.43	36.3	1.35	34.3	.78	19.8	.91	23.1	.87	22.1	.393	10.0
09	9	11	0.5625-24	.390	9.9	.875	22.2	.938	23.8	1.50	38.1	1.45	36.8	.87	22.1	.94	23.9	.96	24.4	.455	11.6
12	11, 12, 13	13	0.6875-24	.504	12.8	1.000	25.4	1.125	28.6	1.56	39.6	1.60	40.6	.97	24.6	1.12	28.4	1.03	26.2	.598	15.2
14	14, 15, 16, 17	18, 19	0.9375-20	.756	19.2	1.250	31.8	1.375	34.9	1.66	42.2	1.78	45.2	1.09	27.7	1.29	32.8	1.16	29.5	.839	21.3
16	19	21	1.0625-18	.843	21.4	1.375	34.9	1.500	38.1	1.66	42.2	1.86	47.2	1.14	29.0	1.39	35.3	1.22	31.0	.934	23.7
17	21	23	1.1875-18	.969	24.6	1.500	38.1	1.625	41.3	1.81	46.0	2.02	51.3	1.24	31.5	1.50	38.1	1.29	32.8	1.068	27.1

870M001
Saddle Clamp for Unshielded Wire Bundles

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
09	1.05	26.7	.27	6.9	.310	7.9	09	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
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

Composite *(Code XB)*
- **Coupling nut, body, arms, saddles**: polyetherimide (PEI), unplated
- **Screws, washers, inserts**: stainless steel/ passivated
- **Anti-decoupling springs**: thermoplastic
- **Clinch Nuts**: stainless steel, silver plated

Aluminum *(Codes M, MT, NF, 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: stainless steel/ olive drab cadmium

Stainless Steel *(Code Z1)*
- **Coupling nut, body, arms, saddles**: SST
- **Screws, washers, inserts**: stainless steel/ passivated
- **Anti-decoupling springs**: stainless steel
- **Clinch Nuts**: stainless steel, silver plated

870M002
Composite Shield-Sock Saddle Clamp

FOR SERIES 80 MIGHTY MOUSE CONNECTORS

Shielded, self-locking, adjustable arms. 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

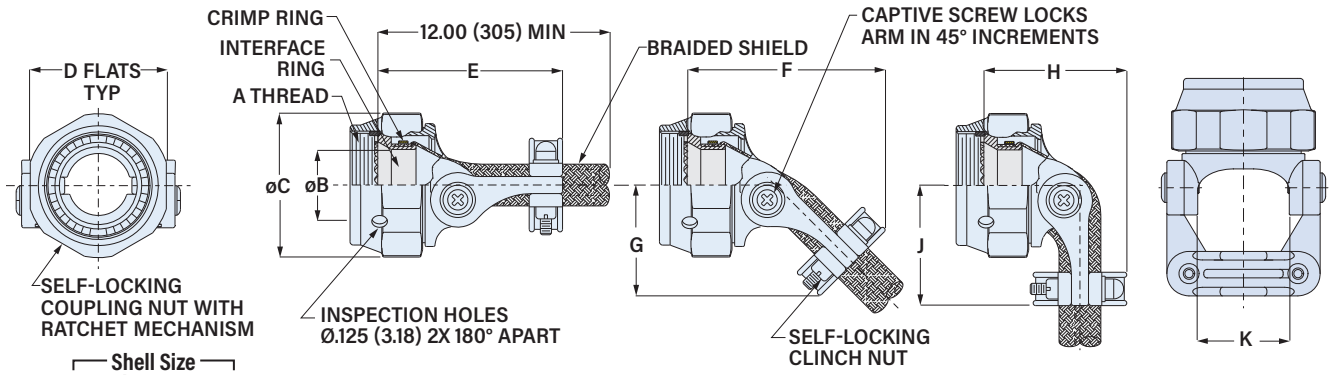
This accessory fits Series 80 Mighty Mouse Connectors

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

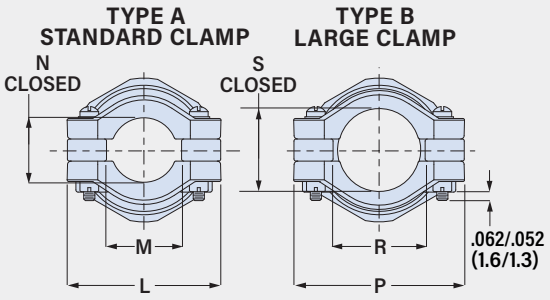
	870M002	BM	12	A	N	J	14
Base P/N	**870M002**						
Interface Ring Material/Finish	*See Table 1*						
Size Code	**07 08 09 10 12 13 14 16 17** *See table below for size code*						
Clamp Size	*See Clamp Dimensions on next page* **A** Standard Clamp **B** Large Clamp						
Braid Type	**N** 34 AWG Nickel/Copper Braid **T** 34 AWG Tin/Copper Braid **A** AmberStrand® Nickel/Composite Braid **L** Microfilament ArmorLite® Nickel/SST Braid						
Support Ring and Band	*Omit if not required* **K** Shield support ring and standard band **J** Shield support 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 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Min in	øB Min mm	øC Max in	øC Max mm	D Flats Max in	D Flats Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. 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	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1

870M002
Composite Shield-Sock Saddle Clamp

CLAMP DIMENSIONS

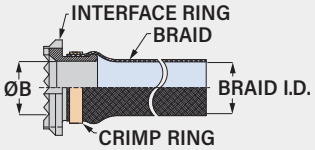


Size Code	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Size Code	Large Clamp P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
07	.98	24.9	.22	5.6	.265	6.7	07	.98	24.9	.33	8.4	.356	9.0
08	.98	24.9	.22	5.6	.265	6.7	08	.98	24.9	.33	8.4	.356	9.0
09	1.05	26.7	.27	6.9	.310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

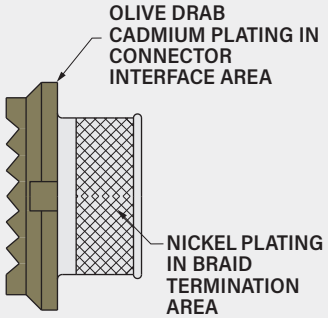
Coupling nut, body, arms, saddles: polyetherimide (PEI)/unplated
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
interface ring: brass or aluminum
Crimp ring: copper alloy/tin
Support ring (optional): thermoplastic
Clinch Nuts: stainless steel/silver
Band (optional):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

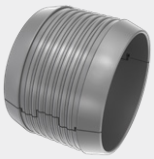


Size Code	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
07	.264	6.7	.375	9.53
08	.264	6.7	.375	9.53
09	.392	10.0	.375	9.53
10	.392	10.0	.375	9.53
12	.506	12.9	.500	12.70
13	.506	12.9	.500	12.70
14	.756	19.2	.781	19.84
16	.844	21.4	1.000	25.40
17	.970	24.6	1.000	25.40

FIGURE 1
NF AND BN SELECTIVE FINISH



SHIELD SUPPORT RING AND PRE-COILED BAND (K AND J OPTIONS)



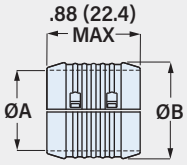
Support Ring

Band

Optional support ring provides a reliable, low resistance method of joining Swing-Arm braid to wire bundle braid and individual shields. Snap ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around 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 Standard	Band Part Number Slim Standard	Support Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) 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
SUPPORT RING

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

870M003
Aluminum or Stainless Steel Shield-Sock Saddle Clamp

FOR SERIES 80 MIGHTY MOUSE CONNECTORS

Shielded, self-locking, adjustable arms. 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®. 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

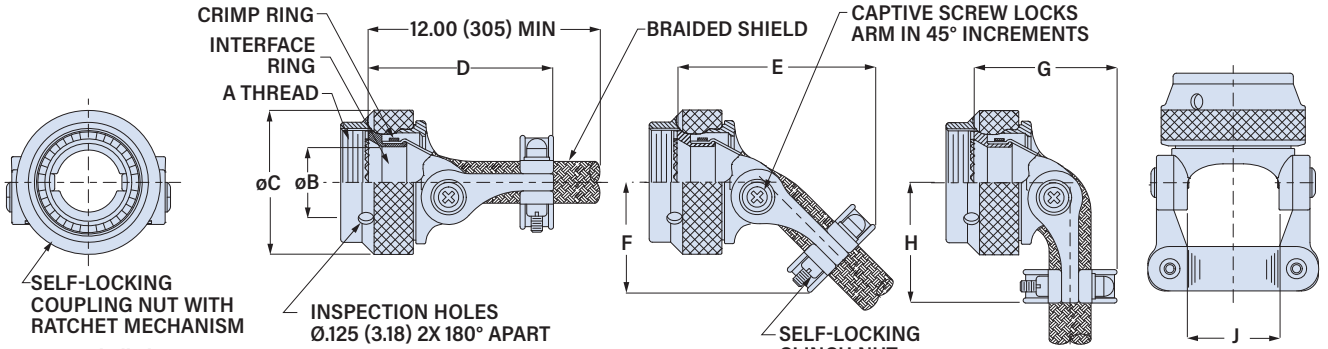
This accessory fits Series 80 Mighty Mouse Connectors

TABLE 1 MATERIAL / FINISH

Aluminum	
M	Electroless nickel
NF	Olive drab cadmium, selective (fig. 1)
MT	Nickel-PTFE
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

PART NUMBER

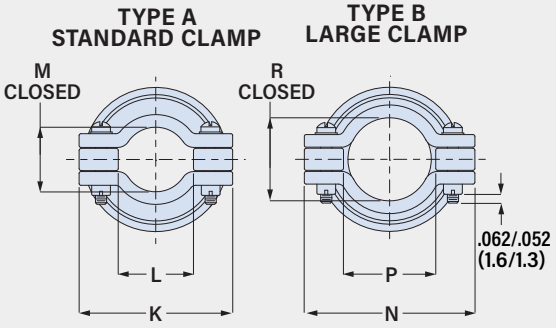
	870M003	M	12	B	L	K	14
Base P/N	**870M003**						
Material/Finish	*See Table 1*						
Size Code	**07 08 09 10 12 13 14 16 17** *See table below for size code*						
Clamp Size	*See Clamp Dimensions on next page* **A** Standard Clamp **B** Large Clamp						
Braid Type	**N** 34 AWG Nickel/Copper Braid **T** 34 AWG Tin/Copper Braid **A** AmberStrand® Nickel/Composite Braid **L** Microfilament ArmorLite® Nickel/SST Braid						
Support Ring and Band	*Omit if not required.* **K** Shield support ring and standard band **J** Shield support 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 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	B Min in	B Min mm	øC Max in	øC Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. in	J Ref. mm
07	7	9	0.4375-28	.264	6.7	.812	20.6	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	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	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	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	1.62	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	1.62	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	1.73	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	1.73	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	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1

870M003
Aluminum or Stainless Steel Shield-Sock Saddle Clamp

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

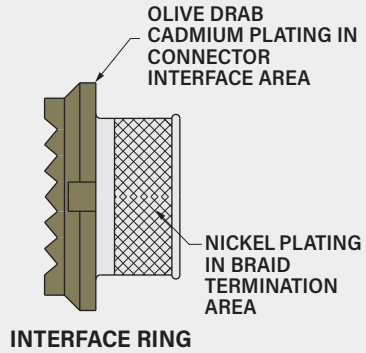
MATERIAL/FINISH

Aluminum ***(Codes M, MT, NF, TZ, ZR)***
- **Coupling nut, body, arms, saddles, interface ring:** aluminum
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling spring:** thermoplastic
- **Clinch nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF: stainless steel/ olive drab cadmium
- **Support ring:** thermoplastic

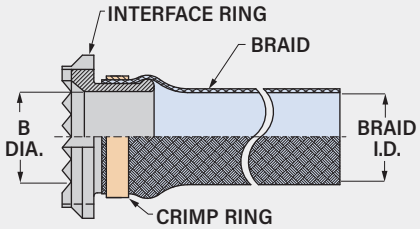
Stainless Steel ***(Codes BM, BMT, Z1, ZM)***
- **Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts:** stainless steel, passivated
- **Clinch nuts:** stainless steel, silver plated
- **interface ring:** brass (codes BM, BMT) or stainless steel (Z1, ZM)
- **Support ring:** thermoplastic

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

FIGURE 1
NF SELECTIVE FINISH



INTERFACE RING AND BRAID

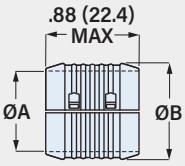


Size Code	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
07	.264	6.7	.375	9.53
08	.264	6.7	.375	9.53
09	.392	10.0	.375	9.53
10	.392	10.0	.375	9.53
12	.506	12.9	.500	12.70
13	.506	12.9	.500	12.70
14	.756	19.2	.781	19.84
16	.844	21.4	1.000	25.40
17	.970	24.6	1.000	25.40

SHIELD SUPPORT RING AND BAND (K AND J OPTIONS)

Optional support ring provides a reliable, low resistance method of joining Swing-Arm braid sock to wire bundle braids. Snap support ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around ring and braid using Band-Master ATS banding tool. ***Slim Standard Band*** is 50% lighter weight than standard band with no reduction in strength.

Support Ring



687-207
SUPPORT RING

Band

Standard Band Tool
601-100

Slim Standard Band Tool
601-109

Size Code	Band Part Number Standard	Band Part Number Slim Standard	Support Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) 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

870M004
Composite Saddle Clamp with Drop-In Band Adapter

FOR SERIES 80 MIGHTY MOUSE CONNECTORS

Shielded, self-locking, adjustable arms. 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*

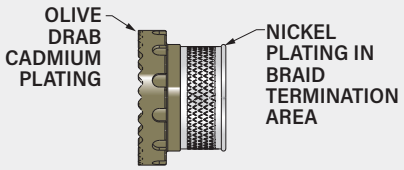
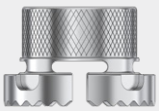


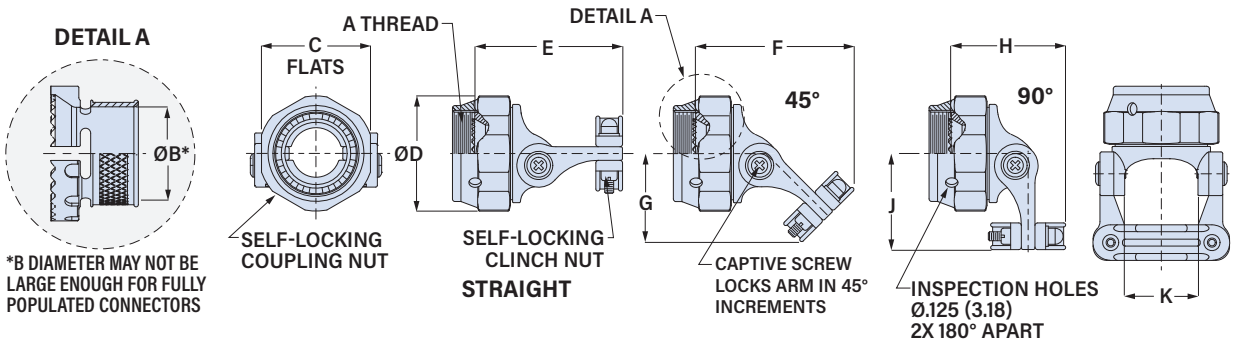
FIGURE 2
BANDING ADAPTER SLOTS



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

PART NUMBER

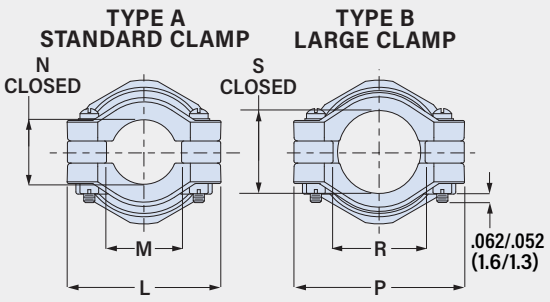
	870M004	M	12	A	S	K
Base P/N	870M004					
Banding Adapter Material/Finish	**M** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc **BM** Brass/Electroless Nickel **BN** Brass/Olive Drab Cadmium **BNS** Brass/O.D. Cadmium, selective (fig. 1) **BMT** Brass/Nickel-PTFE					
Size Code	**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 Micro Slim Band included With Clamp					



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	B Min in	B Min mm	øC Max in	øC Max mm	D Flats Max in	D Flats Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
07	7	9	0.4375-28	.178	4.5	.812	20.6	.750	19.1	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	.812	20.6	.750	19.1	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	.938	23.8	.875	22.2	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	.938	23.8	.875	22.2	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	1.125	28.6	1.000	25.4	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	1.125	28.6	1.000	25.4	1.66	42.2	1.37	34.8	.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	1.375	34.9	1.250	31.8	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	1.500	38.1	1.375	34.9	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	1.625	41.3	1.500	38.1	1.92	48.8	2.11	53.6	1.22	31.0	1.57	39.9	1.29	32.8	1.068	27.1

870M004
Composite Saddle Clamp with Drop-In Band Adapter

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

BANDING TOOLS AND BANDS

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

Micro Slim Band Tool
601-122

Size Code	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro Slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter 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

870M005
Aluminum or SST Saddle Clamp with Drop-In Band Adapter

FOR SERIES 80 MIGHTY MOUSE CONNECTORS

Shielded, self-locking, adjustable arms. 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

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
ZI	SST interface ring, passivated
ZM	SST interface ring, nickel plated

PART NUMBER

	870M005	M	13	A	S	K
Base P/N	870M005					
Material/Finish	*See Table 1*					
Size Code	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 Micro Slim Band included With Clamp					

FIGURE 1
MATERIAL/ FINISH CODE *NFS*

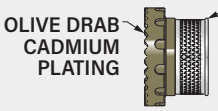
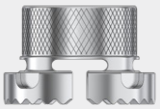
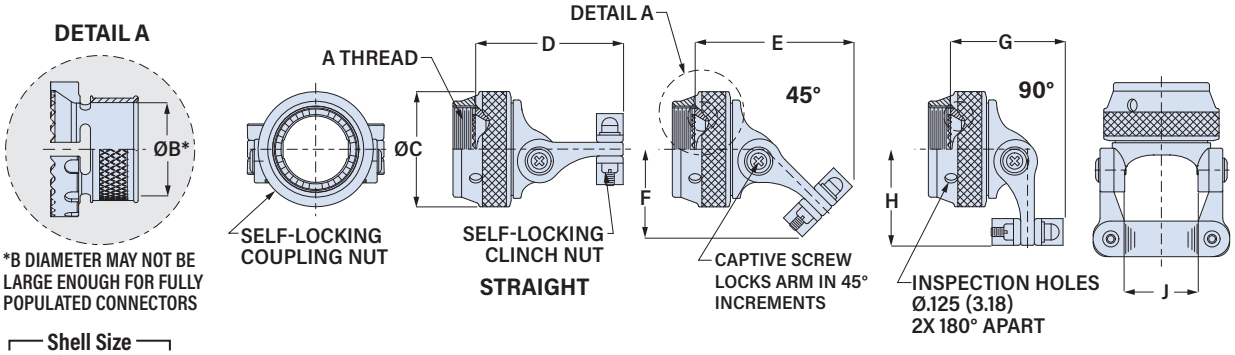


FIGURE 2
BANDING ADAPTER SLOTS



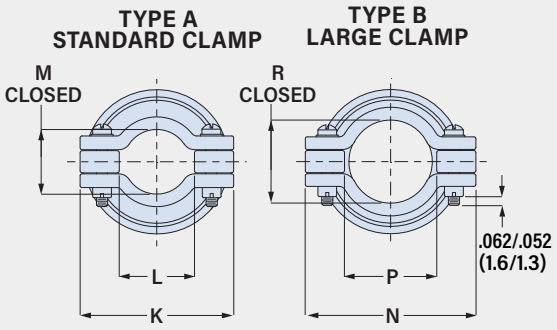
Route pigtail shield braids into optional "T" slots in banding adapter.



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	B* Min in	B* Min mm	øC Max in	øC Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. in	J Ref. 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

870M005
Aluminum or SST Saddle Clamp with Drop-In Band Adapter

CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Size Code	K Max in	K Max mm	L Min in	L Min mm	M Ref. in	M Ref. mm	Size Code	N Max in	N Max mm	P Min in	P Min mm	R Ref. in	R Ref. 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

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

BANDING TOOLS AND BANDS

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

Micro Slim Band Tool
601-122

Size Code	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro Slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter 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

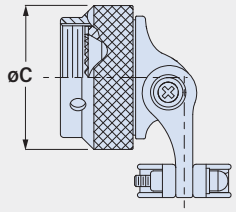
870V001
Saddle Clamp for Unshielded Wire Bundles

FOR SERIES 806 MIL-AERO CONNECTORS

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

ALUMINUM AND SST VERSIONS

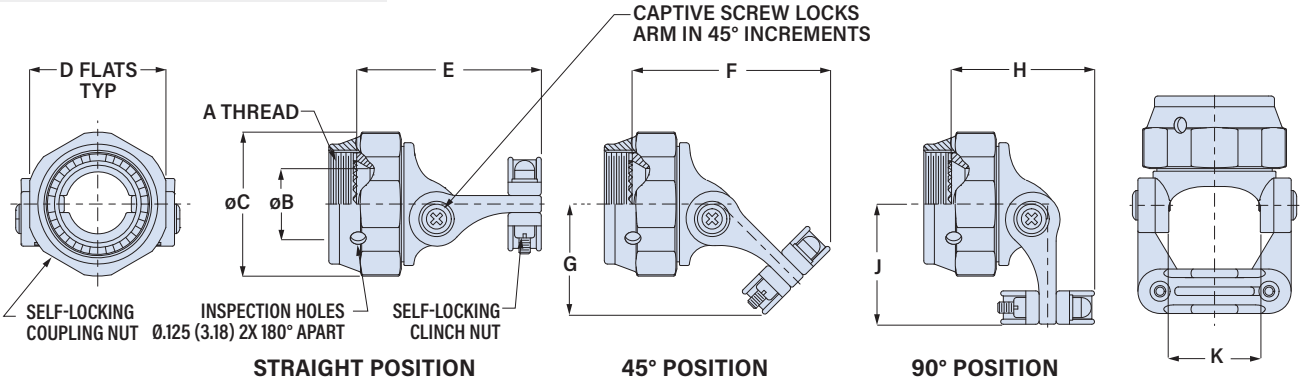


Aluminum and stainless steel versions have round knurled coupling nuts.

Self-locking, adjustable arms. Use with unshielded wire bundles. Adjustable arms pivot to 0°, 45° or 90° positions. Arms have self-locking threaded inserts to withstand high vibration. 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. Available in composite, aluminum or stainless steel.

PART NUMBER

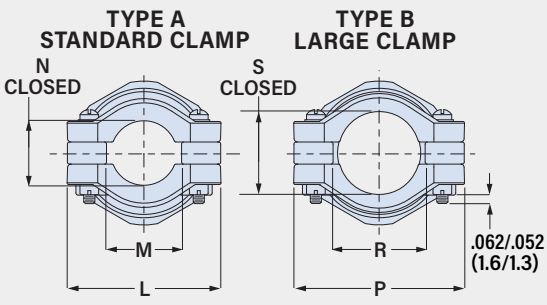
	870V001	XB	22	B
Base P/N	**870V001**			
Material/Finish	*Composite* **XB** No Finish (Black) *Aluminum* **ME** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFR **TZ** Tin-Zinc **ZR** Black Zinc-Nickel *Stainless Steel* **Z1** Passivated			
Shell Size	**09 11 16 18 20 22 24**			
Clamp Size	**A** Standard Clamp **B** Large Clamp			



Shell Size	A Thread ISO Metric	øB Min in	øB Min mm	C Max in	C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
09	M12 x 1.0-6H	.264	6.7	.812	20.6	.750	19.1	1.43	36.3	1.35	34.3	.78	19.8	.91	23.1	.87	22.1	.393	10.0
11	M15 x 1.0-6H	.390	9.9	.938	23.8	.875	22.2	1.50	38.1	1.45	36.8	.87	22.1	.94	23.9	.96	24.4	.455	11.6
16	M22 x 1.0-6H	.630	16.0	1.250	31.8	1.125	28.6	1.57	39.9	1.68	42.7	1.02	25.9	1.21	30.7	1.10	27.9	.710	18.0
18	M25 x 1.0-6H	.756	19.2	1.375	34.9	1.250	31.8	1.66	42.2	1.78	45.2	1.09	27.7	1.29	32.8	1.16	29.5	.839	21.3
20	M28 x 1.0-6H	.843	21.4	1.500	38.1	1.375	34.9	1.66	42.2	1.86	47.2	1.14	29.0	1.39	35.3	1.22	31.0	.934	23.7
22	M31 x 1.0-6H	.969	24.6	1.625	41.3	1.500	38.1	1.81	46.0	2.02	51.3	1.24	31.5	1.50	38.1	1.29	32.8	1.068	27.1
24	M34 x 1.0-6H	1.091	27.7	1.750	44.5	1.625	41.3	1.84	46.7	2.09	53.1	1.30	33.0	1.57	39.9	1.36	34.5	1.197	30.4

870V001
Saddle Clamp for Unshielded Wire Bundles

CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Shell Size	L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Shell Size	P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
09	.98	24.9	.22	5.6	.265	6.7	09	.98	24.9	.33	8.4	.356	9.0
11	1.05	26.7	.27	6.9	.310	7.9	11	1.20	30.5	.45	11.4	.422	10.7
16	1.30	33.0	.47	11.9	.538	13.7	16	1.54	39.1	.68	17.3	.707	18.0
18	1.44	36.6	.55	14.0	.590	15.0	18	1.60	40.6	.80	20.3	.759	19.3
20	1.56	39.6	.62	15.7	.660	16.8	20	1.73	43.9	.90	22.9	.841	21.4
22	1.69	42.9	.70	17.8	.744	18.9	22	1.95	49.5	1.05	26.7	.996	25.3
24	1.77	45.0	.78	19.8	.826	21.0	24	2.08	52.8	1.18	30.0	1.060	26.9

MATERIAL/FINISH

Composite *(Code XB)*
- **Coupling nut, body, arms, saddles:** polyetherimide (PEI), unplated
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Clinch Nuts:** stainless steel, silver plated

Aluminum *(Codes M, MT, NF, 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: stainless steel/ olive drab cadmium

Stainless Steel *(Code Z1)*
- **Coupling nut, body, arms, saddles:** SST
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** stainless steel
- **Clinch Nuts:** stainless steel, silver plated

870V002
Composite Shield-Sock Saddle Clamp

FOR SERIES 806 MIL-AERO CONNECTORS

Shielded, self-locking, adjustable arms. 870V002 composite Swing-Arm saddle clamp fits Glenair Series 806 Mil-Aero 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 V

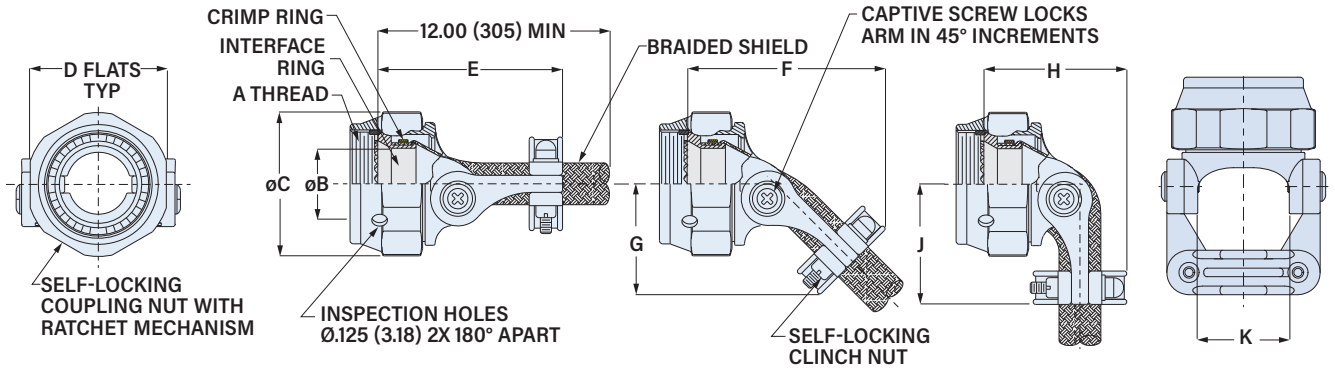
This accessory fits Glenair Series 806 Mil-Aero connectors

TABLE 1
INTERFACE RING MATERIAL / FINISH

Aluminum	
ME	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

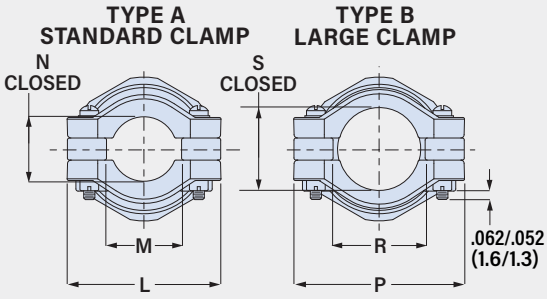
	870V002	BM	22	A	N	J	14
Base P/N	870V002						
Interface Ring Material/Finish	*See Table 1*						
Shell Size	08 09 10 11 12 14 16 18 20 22 24						
Clamp Size	*See Clamp Dimensions on next page* A Standard Clamp B Large Clamp						
Braid Type	N 34 AWG Nickel/Copper Braid T 34 AWG Tin/Copper Braid A AmberStrand® Nickel/Composite Braid L Microfilament ArmorLite® Nickel/SST Braid						
Support Ring and Band	*Omit if not required* K Shield support ring and standard band J Shield support 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	A Thread ISO Metric	øB Min in	øB Min mm	C Max in	C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
08	M10 x 1.0-6H	.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	M12 x 1.0-6H	.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
10	M14 x 1.0-6H	.390	9.9	.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
11	M15 x 1.0-6H	.390	9.9	.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	M17 x 1.0-6H	.504	12.8	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	M19 x 1.0-6H	.592	15.0	1.250	31.8	1.125	28.6	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
16	M22 x 1.0-6H	.630	16.0	1.250	31.8	1.125	28.6	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
18	M25 x 1.0-6H	.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
20	M28 x 1.0-6H	.843	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
22	M31 x 1.0-6H	.969	24.6	1.625	41.3	1.500	38.1	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1
24	M34 x 1.0-6H	1.091	27.7	1.750	44.5	1.625	41.3	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4

870V002
Composite Shield-Sock Saddle Clamp

CLAMP DIMENSIONS



Shell Size	Standard Clamp L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Large Clamp P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
08	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
09	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
10	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
11	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.422	10.7	1.45	36.8	.62	15.7	.637	16.2
14	1.30	33.0	.47	11.9	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
16	1.30	33.0	.47	11.9	.538	13.7	1.54	39.1	.68	17.3	.707	18.0
18	1.44	36.6	.55	14.0	.590	15.0	1.60	40.6	.80	20.3	.759	19.3
20	1.56	39.6	.62	15.7	.660	16.8	1.73	43.9	.90	22.9	.841	21.4
22	1.69	42.9	.70	17.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3
24	1.77	45.0	.78	19.8	.826	21.0	2.08	52.8	1.18	30.0	1.060	26.9

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

Support ring (optional): thermoplastic

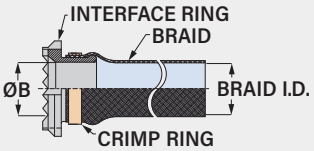
Clinch nuts: stainless steel/silver

Band (optional): stainless steel/passivated

Braid:

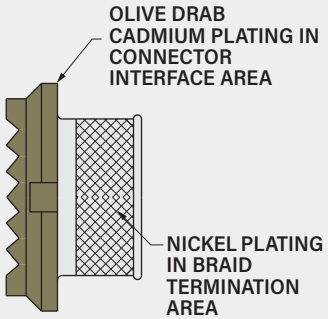
- **Code N:** 34 AWG nickel-coated copper
- **Code T:** 34 AWG tin-coated copper,
- **Code A:** ***AmberStrand***® ultralightweight nickel-coated polymer
- **Code L:** ***ArmorLite***® lightweight microfilament nickel-coated 316L stainless steel

INTERFACE RING AND BRAID



Shell Size	B Dia. Min. In.	B Dia. Min. mm.	Braid I.D. In.	Braid I.D. mm.
08	.264	6.7	.375	9.53
09	.264	6.7	.375	9.53
10	.390	9.9	.375	9.53
11	.390	9.9	.375	9.53
12	.504	12.8	.781	19.84
14	.592	15.0	.781	19.84
16	.630	16.0	.781	19.84
18	.756	19.2	.781	19.84
20	.843	21.4	.781	19.84
22	.969	24.6	1.000	25.40
24	1.091	27.7	1.000	25.40

FIGURE 1
NF AND BN SELECTIVE FINISH



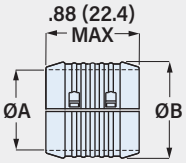
SHIELD SUPPORT RING AND BAND (K AND J OPTIONS)

Support Ring *Band*

Optional support support ring provides a reliable, low resistance method of splicing Swing-Arm braid to wire bundle braid. Snap ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Support Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
09	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
11	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
14	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
16	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
18	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
20	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
22	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
24	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5



687-207
SUPPORT RING

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

870V003
Aluminum or Stainless Steel Shield-Sock Saddle Clamp

FOR SERIES 806 MIL-AERO CONNECTORS

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

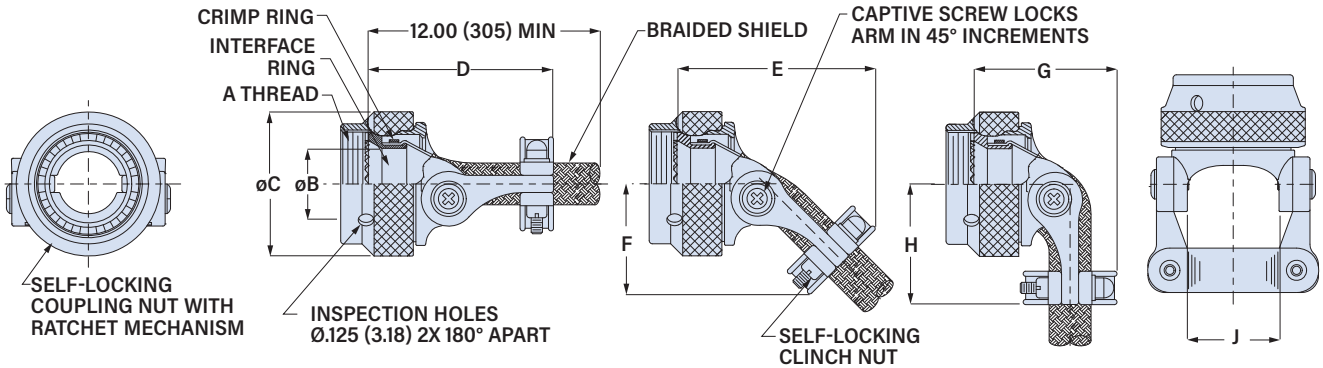
Shielded, self-locking, adjustable arms. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. 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.

TABLE 1 MATERIAL / FINISH

Aluminum	
ME	Electroless nickel
NF	Olive drab cadmium, selective (fig. 1)
MT	Nickel-PTFE
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

PART NUMBER

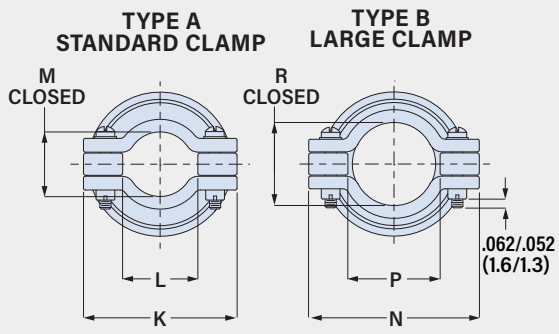
	870V003	ME	12	B	L	K	14
Base P/N	**870V003**						
Material/Finish	*See Table 1*						
Shell Size	**08 09 10 11 12 14 16 18 20 22 24**						
Clamp Size	*See Clamp Dimensions on next page* **A** Standard Clamp **B** Large Clamp						
Braid Type	**N** 34 AWG Nickel/Copper Braid **T** 34 AWG Tin/Copper Braid **A** AmberStrand® Nickel/Composite Braid **L** Microfilament ArmorLite® Nickel/SST Braid						
Support Ring and Band	*Omit if not required.* **K** Shield support ring and standard band **J** Shield support 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	A Thread ISO Metric	ø B Min in	ø B Min mm	øC Max in	øC Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. in	J Ref. mm
08	M10 x 1.0-6H	.264	6.7	.812	20.6	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
09	M12 x 1.0-6H	.264	6.7	.812	20.6	1.50	38.1	1.43	36.3	.76	19.3	.95	24.1	.84	21.3	.393	10.0
10	M14 x 1.0-6H	.390	9.9	.938	23.8	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
11	M15 x 1.0-6H	.390	9.9	.938	23.8	1.54	39.1	1.49	37.8	.82	20.8	.99	25.1	.90	22.9	.455	11.6
12	M17 x 1.0-6H	.504	12.8	1.125	28.6	1.62	41.1	1.64	41.7	.92	23.4	1.14	29.0	1.00	25.4	.598	15.2
14	M19 x 1.0-6H	.592	15.0	1.250	31.8	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
16	M22 x 1.0-6H	.630	16.0	1.250	31.8	1.63	41.4	1.73	43.9	.98	24.9	1.24	31.5	1.07	27.2	.710	18.0
18	M25 x 1.0-6H	.756	19.2	1.375	34.9	1.73	43.9	1.86	47.2	1.08	27.4	1.36	34.5	1.13	28.7	.839	21.3
20	M28 x 1.0-6H	.843	21.4	1.500	38.1	1.73	43.9	1.93	49.0	1.12	28.4	1.46	37.1	1.20	30.5	.934	23.7
22	M31 x 1.0-6H	.969	24.6	1.625	41.3	1.88	47.8	2.08	52.8	1.21	30.7	1.55	39.4	1.26	32.0	1.068	27.1
24	M34 x 1.0-6H	1.091	27.7	1.750	44.5	1.91	48.5	2.15	54.6	1.27	32.3	1.63	41.4	1.33	33.8	1.197	30.4

870V003
Aluminum or Stainless Steel Shield-Sock Saddle Clamp

CLAMP DIMENSIONS



Shell Size	Standard Clamp K Max in	K Max mm	L Min in	L Min mm	M Ref. in	M Ref. mm	Large Clamp N Max in	N Max mm	P Min in	P Min mm	R Ref. in	R Ref. mm
08	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
09	.98	24.9	.22	5.6	.265	6.7	.98	24.9	.33	8.4	.356	9.0
10	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
11	1.05	26.7	.27	6.9	.310	7.9	1.20	30.5	.45	11.4	.422	10.7
12	1.20	30.5	.35	8.9	.390	9.9	1.45	36.8	.62	15.7	.637	16.2
14	1.30	33.0	.47	11.9	.506	12.9	1.54	39.1	.68	17.3	.707	18.0
16	1.30	33.0	.47	11.9	.506	12.9	1.60	40.6	.80	20.3	.759	19.3
18	1.44	36.6	.55	14.0	.591	15.0	1.60	40.6	.80	20.3	.759	19.3
20	1.56	39.6	.62	15.7	.661	16.8	1.73	43.9	.90	22.9	.841	21.4
22	1.69	42.9	.70	17.8	.744	18.9	1.95	49.5	1.05	26.7	.996	25.3
24	1.77	45.0	.78	19.8	.826	21.0	2.08	52.8	1.18	30.0	1.060	26.9

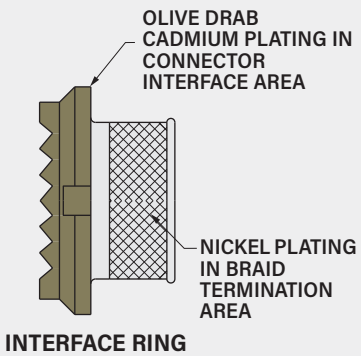
MATERIAL/FINISH

Aluminum *(Codes M, MT, NF, TZ, ZR)*
- **Coupling nut, body, arms, saddles, interface ring:** aluminum
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling spring:** thermoplastic
- **Support ring:** thermoplastic
- **Clinch nuts:** Codes M, MT, TZ and ZR: stainless steel, silver plated. Code NF: stainless steel/ olive drab cadmium

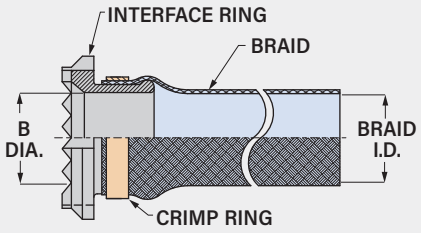
Stainless Steel *(Codes BM, BMT, Z1, ZM)*
- **Coupling nut, body, arms, saddles, anti-decoupling springs, screws, washers, inserts:** stainless steel, passivated
- **Clinch nuts:** stainless steel, silver plated
- **Interface ring:** brass (codes BM, BMT) or stainless steel (Z1, ZM)
- **Support ring:** thermoplastic

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

FIGURE 1
NF SELECTIVE FINISH



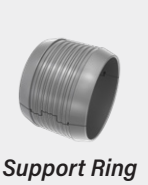
INTERFACE RING AND BRAID



Shell Size	B Dia. In.	B Dia. mm.	Braid I.D. In.	Braid I.D. mm.
08	.264	6.7	.375	9.53
09	.264	6.7	.375	9.53
10	.390	9.9	.375	9.53
11	.390	9.9	.375	9.53
12	.504	12.8	.781	19.84
14	.592	15.0	.781	19.84
16	.630	16.0	.781	19.84
18	.756	19.2	.781	19.84
20	.843	21.4	.781	19.84
22	.969	24.6	1.000	25.40
24	1.091	27.7	1.000	25.40

SHIELD SUPPORT RING AND BAND (K AND J OPTIONS)

Optional support ring provides a reliable, low resistance method of joining Swing-Arm braid sock to wire bundle braids. Snap support ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around ring and braid using Band-Master ATS banding tool. ***Slim Standard Band*** is 50% lighter weight than standard band with no reduction in strength.



Support Ring

687-207
SUPPORT RING

Band

Standard Band Tool
601-100

Slim Standard Band Tool
601-109

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Split Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
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
14	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
16	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
18	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
20	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
22	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5
24	601-041	601-573	687-207XB20	1.25	31.8	1.40	35.6

870V004
Composite Saddle Clamp with Drop-In Band Adapter

FOR SERIES 806 MIL-AERO CONNECTORS

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

Shielded, self-locking, adjustable arms. 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.

FIGURE 1
FINISH CODES *NFS*, *BNS*

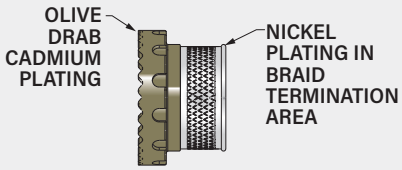
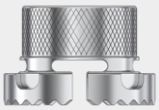


FIGURE 2
BANDING ADAPTER SLOTS CODE *S*

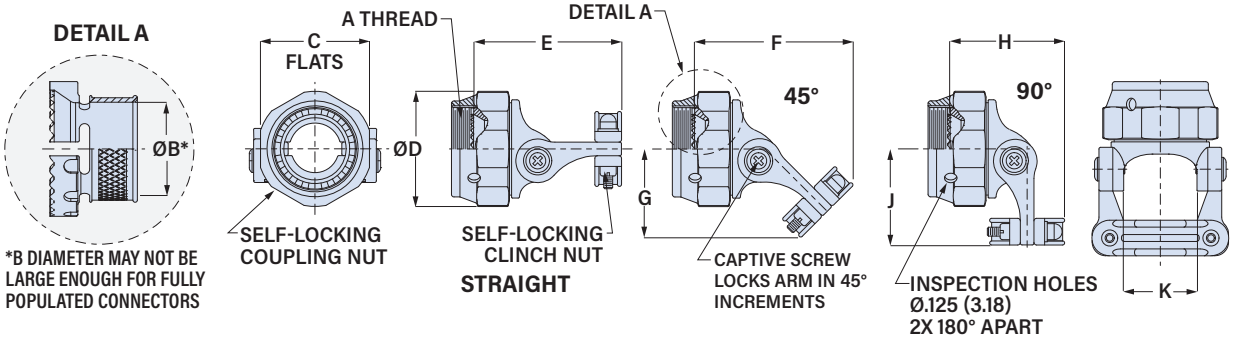


Route pigtail shield braids into optional "T" slots in banding adapter.

PART NUMBER

	870V004	ME	22	A	S	K

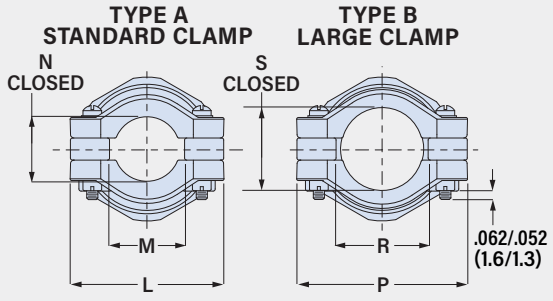
Base P/N	**870V004**
Banding Adapter Material/Finish	**ME** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc **BM** Brass/Electroless Nickel **BN** Brass/Olive Drab Cadmium **BNS** Brass/O.D. Cadmium, selective (fig. 1) **BMT** Brass/Nickel-PTFE
Shell Size	**08 09 10 11 12 14 16 18 20 22 24**
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 Micro Slim Band included With Clamp



Shell Size	A Thread ISO Metric	øB Min in	øB Min mm	C Flats in	C Flats mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. in	K Ref. mm
08	M10 x 1.0-6H	.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	M12 x 1.0-6H	.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
10	M14 x 1.0-6H	.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
11	M15 x 1.0-6H	.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	M17 x 1.0-6H	.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	M19 x 1.0-6H	.565	14.4	1.125	28.6	1.250	31.8	1.67	42.4	1.76	44.7	1.00	25.4	1.28	32.5	1.10	27.9	.710	18.0
16	M22 x 1.0-6H	.565	14.4	1.125	28.6	1.250	31.8	1.67	42.4	1.76	44.7	1.00	25.4	1.28	32.5	1.10	27.9	.710	18.0
18	M25 x 1.0-6H	.658	16.7	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
20	M28 x 1.0-6H	.777	19.7	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
22	M31 x 1.0-6H	.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
24	M34 x 1.0-6H	.999	25.4	1.625	41.3	1.750	44.5	1.95	49.5	2.18	55.4	1.28	32.5	1.67	42.4	1.36	34.5	1.197	30.4

870V004
Composite Saddle Clamp with Drop-In Band Adapter

CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Shell Size	L Max in	L Max mm	M Min in	M Min mm	N Ref. in	N Ref. mm	Shell Size	P Max in	P Max mm	R Min in	R Min mm	S Ref. in	S Ref. mm
08	.97	24.6	.22	5.6	.264	6.7	08	.98	24.9	.33	8.4	.356	9.0
09	.97	24.6	.22	5.6	.264	6.7	09	.98	24.9	.33	8.4	.356	9.0
10	1.03	26.2	.29	7.4	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
11	1.03	26.2	.29	7.4	.310	7.9	11	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
14	1.32	33.5	.45	11.4	.538	13.7	14	1.54	39.1	.68	17.3	.707	18.0
16	1.32	33.5	.45	11.4	.538	13.7	16	1.54	39.1	.68	17.3	.707	18.0
18	1.45	36.8	.55	14.0	.590	15.0	18	1.60	40.6	.80	20.3	.759	19.3
20	1.54	39.1	.65	16.5	.660	16.8	20	1.73	43.9	.90	22.9	.841	21.4
22	1.67	42.4	.74	18.8	.744	18.9	22	1.95	49.5	1.05	26.7	.996	25.3
24	1.79	45.5	.87	22.1	.826	21.0	24	2.08	52.8	1.18	30.0	1.060	26.9

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

BANDING TOOLS AND BANDS

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

Micro Slim Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro Slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.0	203	.88	22.4
14 – 24	601-065	601-603	14.0	356	1.88	47.8

870V005
Aluminum or SST Saddle Clamp with Drop-In Band Adapter

SWING-ARM SADDLE CLAMPS

FOR SERIES 806 MIL-AERO CONNECTORS

Shielded, self-locking, adjustable arms. 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 V

This accessory fits Glenair Series 806 Mil-Aero connectors

TABLE 1 MATERIAL / FINISH

Aluminum	
ME	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

PART NUMBER

	870V005	ME	22	A	S	K
Base P/N	**870V005**					
Material/Finish	*See Table 1*					
Shell Size	**08 09 10 11 12 14 16 18 20 22 24**					
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 Micro Slim Band included With Clamp					

FIGURE 1
MATERIAL/ FINISH CODE *NFS*

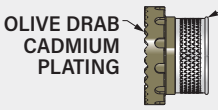
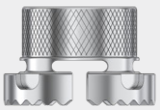
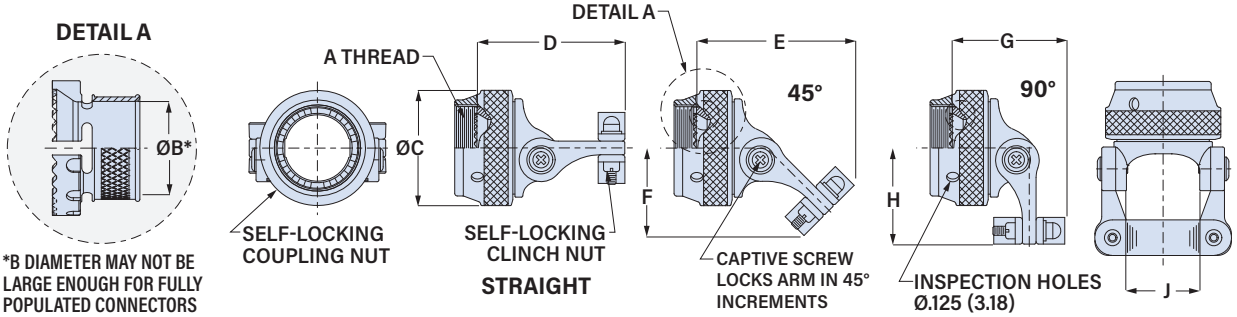


FIGURE 2
BANDING ADAPTER SLOTS



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



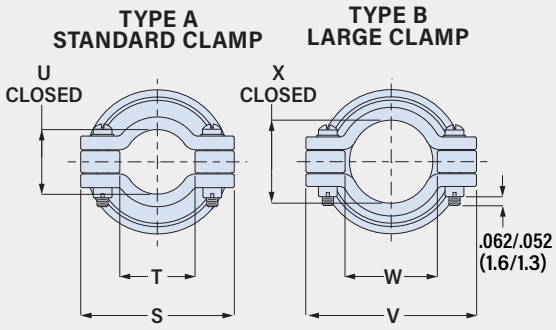
Shell Size	A Thread ISO Metric	ø B Min* in	ø B Min* mm	øC Max in	øC Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. in	J Ref. mm
08	M10 x 1.0-6H	.178	4.5	.812	20.6	1.55	39.4	1.45	36.8	.77	19.6	.98	24.9	.87	22.1	.393	10.0
09	M12 x 1.0-6H	.178	4.5	.812	20.6	1.55	39.4	1.45	36.8	.77	19.6	.98	24.9	.87	22.1	.393	10.0
10	M14 x 1.0-6H	.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
11	M15 x 1.0-6H	.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	M17 x 1.0-6H	.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	M19 x 1.0-6H	.565	14.4	1.250	31.8	1.67	42.4	1.79	45.5	1.02	25.9	1.32	33.5	1.10	27.9	.710	18.0
16	M22 x 1.0-6H	.565	14.4	1.250	31.8	1.67	42.4	1.79	45.5	1.02	25.9	1.32	33.5	1.10	27.9	.710	18.0
18	M25 x 1.0-6H	.658	16.7	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
20	M28 x 1.0-6H	.777	19.7	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
22	M31 x 1.0-6H	.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
24	M34 x 1.0-6H	.999	25.4	1.750	44.5	1.95	49.5	2.20	55.9	1.30	33.0	1.68	42.7	1.36	34.5	1.197	30.4

Swing-Arm® Articulating 3-in-1 Clamps

870V005

Aluminum or SST Saddle Clamp with Drop-In Band Adapter

CLAMP DIMENSIONS



Standard Clamp							Large Clamp						
Shell Size	S Max in	S Max mm	T Min in	T Min mm	U Ref. in	U Ref. mm	Shell Size	V Max in	V Max mm	W Min in	W Min mm	X Ref. in	X Ref. mm
08	.97	24.6	.22	5.6	.264	6.7	08	.98	24.9	.33	8.4	.356	9.0
09	.97	24.6	.22	5.6	.264	6.7	09	.98	24.9	.33	8.4	.356	9.0
10	1.03	26.2	.29	7.4	.310	7.9	10	1.20	30.5	.45	11.4	.422	10.7
11	1.03	26.2	.29	7.4	.310	7.9	11	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
14	1.32	33.5	.45	11.4	.538	13.7	14	1.54	39.1	.68	17.3	.707	18.0
16	1.32	33.5	.45	11.4	.538	13.7	16	1.54	39.1	.68	17.3	.707	18.0
18	1.45	36.8	.55	14.0	.590	15.0	18	1.60	40.6	.80	20.3	.759	19.3
20	1.54	39.1	.65	16.5	.660	16.8	20	1.73	43.9	.90	22.9	.841	21.4
22	1.67	42.4	.74	18.8	.744	18.9	22	1.95	49.5	1.05	26.7	.996	25.3
24	1.79	45.5	.87	22.1	.826	21.0	24	2.08	52.8	1.18	30.0	1.060	26.9

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

BANDING TOOLS AND BANDS

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

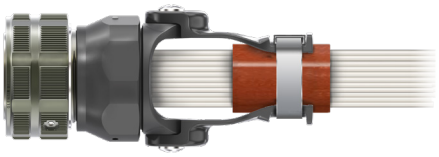
Micro Band Tool
601-101

Micro Slim Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro Slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.125	206	.88	22.4
14 – 24	601-065	601-603	14.25	362	1.88	47.8

871A001 • 871F001 • 871H001
Flex-Arm Saddle Clamp for Unshielded Wire Bundles

FOR MIL-DTL-38999, AS50151 CRIMP, AS95234, MIL-DTL-26482 SR. II, AS81703 SR. 3, AND MIL-DTL-83723 SR. III CONNECTORS



Lightweight, self-locking, flexible arms. Use with unshielded wire bundles. Thermoplastic flex arms pivot to 0°, 45° or 90° positions. Use banding strap or cable tie to secure arms to wire bundle. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Clamp and coupling nut are composite or aluminum, flex arms are PEEK. Passivated SST hardware, thermoplastic anti-decoupling spring.

PART NUMBER

			871A001	XB	12
Base P/N	871A001	Adapter Code A			
	871F001	Adapter Code F			
	871H001	Adapter Code H			
Material/Finish	*See Table 1*				
Shell Size	*See Adapter Code Tables For Shell Size*				

Adapter Code A

AS50151 crimp, AS95234, M26482 Ser. II, AS81703 Ser. 3, M83723 Ser. III

Shell Size	A Thread Class 2B
08	0.500-20 UNF
10	0.625-24 UNEF
12	0.750-20 UNEF
14	0.875-20 UNEF
16	1.000-20 UNEF
18	1.0625-18 UNEF
20	1.1875-18 UNEF
22	1.3125-18 UNEF
24	1.4375-18 UNEF

Adapter Code F

MIL-DTL-38999 Series I and Series II

Shell Size	Shell Size Code	A Thread UNEF-2B
8/9	08	0.4375-28
10/11	10	0.5625-24
12/13	12	0.6875-24
14/15	14	0.8125-20
16/17	16	0.9375-20
18/19	18	1.0625-18
20/21	20	1.1875-18
22/23	22	1.3125-18
24/25	24	1.4375-18

Adapter Code H

MIL-DTL-38999 Series III and Series IV

Shell Size	Shell Size Code	A Thread
9 (A)	09	M12X1.0-6H
11 (B)	11	M15X1.0-6H
13 (C)	13	M18X1.0-6H
15 (D)	15	M22X1.0-6H
17 (E)	17	M25X1.0-6H
19 (F)	19	M28X1.0-6H
21 (G)	21	M31X1.0-6H
23 (H)	23	M34X1.0-6H
25 (J)	25	M37X1.0-6H

TABLE 1 MATERIAL / FINISH

Material/Finish Code applies to coupling nut and clamp body only. Flex arms are black thermoplastic.

Composite	
XB	No Finish (Black)
Aluminum	
M	Electroless nickel
MT	Nickel-PTFE
NF	Olive drab cadmium
TZ	Tin-zinc
ZR	Black zinc-nickel

BANDING TOOLS AND BANDS

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.

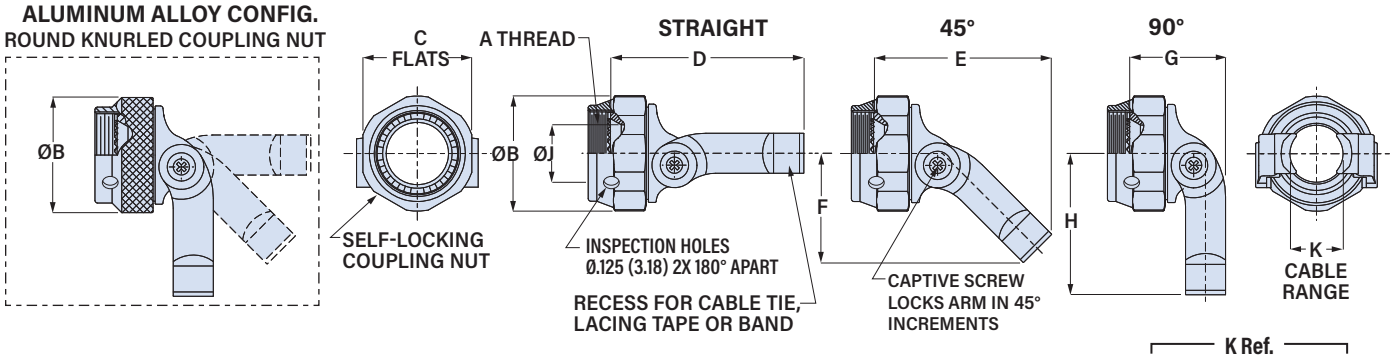
Band

Micro Band Tool
601-101

Micro Slim Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro Slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 - 12	601-061	601-601	8.125	206	.88	22.4
14 - 28	601-065	601-603	14.25	362	1.88	47.8

871A001 • 871F001 • 871H001
Flex-Arm Saddle Clamp for Unshielded Wire Bundles



Shell Size	øB Max		C Flats		D Max		E Max		F Max		G Max		H Max		J Min		K Ref. Max		K Ref. Min	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
8/9	.812	20.6	.750	19.1	1.69	42.9	1.46	37.1	.87	22.1	.85	21.6	1.12	28.4	.264	6.7	.393	10.0	.098	2.5
10/11	.938	23.8	.875	22.2	1.69	42.9	1.46	37.1	.89	22.6	.85	21.6	1.15	29.2	.390	9.9	.455	11.6	.121	3.1
12/13	1.125	28.6	1.000	25.4	1.97	50.0	1.77	45.0	1.10	27.9	.94	23.9	1.44	36.6	.504	12.8	.598	15.2	.157	4.0
14/15	1.250	31.8	1.125	28.6	1.97	50.0	1.77	45.0	1.32	33.5	.94	23.9	1.50	38.1	.630	16.0	.710	18.0	.210	5.3
16/17	1.375	34.9	1.250	31.8	2.18	55.4	2.02	51.3	1.28	32.5	1.10	27.9	1.68	42.7	.756	19.2	.839	21.3	.246	6.2
18/19	1.500	38.1	1.375	34.9	2.18	55.4	2.02	51.3	1.35	34.3	1.10	27.9	1.74	44.2	.843	21.4	.934	23.7	.277	7.0
20/21	1.625	41.3	1.500	38.1	2.64	67.1	2.43	61.7	1.63	41.4	1.26	32.0	2.12	53.8	.969	24.6	1.068	27.1	.313	8.0
22/23	1.750	44.5	1.625	41.3	2.64	67.1	2.43	61.7	1.67	42.4	1.26	32.0	2.16	54.9	1.091	27.7	1.197	30.4	.349	8.9
24/25	1.875	47.6	1.750	44.5	2.85	72.4	2.65	67.3	1.84	46.7	1.35	34.3	2.41	61.2	1.217	30.9	1.323	33.6	.380	9.7

871A002 • 871F002 • 871H002
Composite Flex-Arm Shield Sock Saddle Clamp

FOR MIL-DTL-38999, AS50151 CRIMP, AS95234, MIL-DTL-26482 SR. II, AS81703 SR. 3, AND MIL-DTL-83723 SR. III CONNECTORS

Shielded. Lightweight. Self-locking. Adjustable arms. Thermoplastic flex 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.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, AS81703 Ser. 3, MIL-DTL-83723 Ser. III

Shell Size	A Thread Class 2B	øB Min in	øB Min mm
08	0.500-20 UNF	.264	6.7
10	0.625-24 UNEF	.365	9.3
12	0.750-20 UNEF	.498	12.6
14	0.875-20 UNEF	.575	14.6
16	1.000-20 UNEF	.700	17.8
18	1.0625-18 UNEF	.779	19.8
20	1.1875-18 UNEF	.904	23.0
22	1.3125-18 UNEF	1.029	26.1
24	1.4375-18 UNEF	1.144	29.1

Adapter Code F

MIL-DTL-38999 Series I and Series II

Shell Size	Shell Size Code	A Thread UNEF-2B	øB Min in	øB Min mm
8/9	08	0.4375-28	.264	6.7
10/11	10	0.5625-24	.392	10.0
12/13	12	0.6875-24	.506	12.9
14/15	14	0.8125-20	.631	16.0
16/17	16	0.9375-20	.756	19.2
18/19	18	1.0625-18	.844	21.4
20/21	20	1.1875-18	.970	24.6
22/23	22	1.3125-18	1.094	27.8
24/25	24	1.4375-18	1.219	31.0

Adapter Code H

MIL-DTL-38999 Series III and Series IV

Shell Size	Shell Size Code	A Thread	øB Min in	øB Min mm
9 (A)	09	M12X1.0-6H	.264	6.7
11 (B)	11	M15X1.0-6H	.390	9.9
13 (C)	13	M18X1.0-6H	.504	12.8
15 (D)	15	M22X1.0-6H	.630	16.0
17 (E)	17	M25X1.0-6H	.756	19.2
19 (F)	19	M28X1.0-6H	.843	21.4
21 (G)	21	M31X1.0-6H	.969	24.6
23 (H)	23	M34X1.0-6H	1.091	27.7
25 (J)	25	M37X1.0-6H	1.217	30.9

PART NUMBER

	871A002	BM	22	N	J	14

Base P/N
- 871A002 Adapter Code A
- 871F002 Adapter Code F
- 871H002 Adapter Code H

Interface Ring Material/Finish
See Table 1

Shell Size
See Adapter Code Tables For Shell Size

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

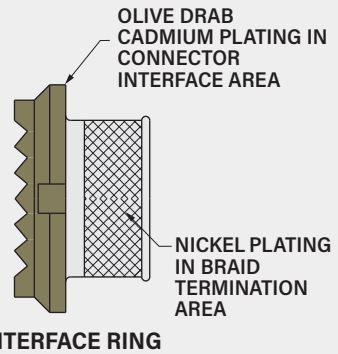
Support Ring and Band
Omit if not required
- K Shield support ring and standard band
- J Shield support ring and slim standard band

Braid Length
Omit for standard 12 inch length
- 14 Length in 1 inch increments, 6 inch min "14" = 14 inches.

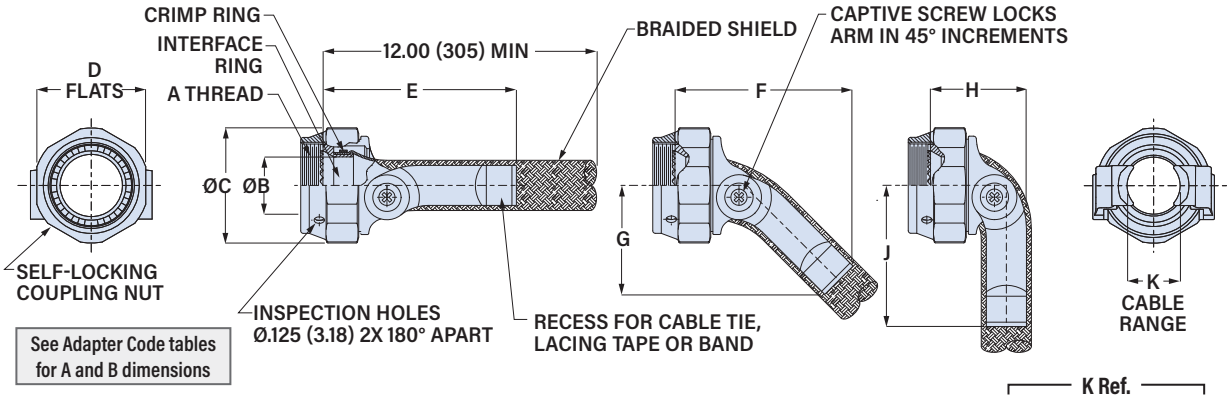
TABLE 1
INTERFACE RING MATERIAL/ FINISH

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

FIGURE 1
NF AND BN SELECTIVE FINISH



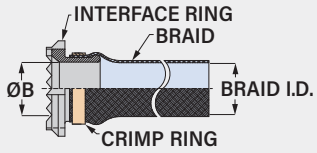
871A002 • 871F002 • 871H002
Composite Flex-Arm Shield Sock Saddle Clamp



See Adapter Code tables for A and B dimensions

Shell Size	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
8/9	.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
10/11	.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
12/13	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
14/15	1.250	31.8	1.125	28.6	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
16/17	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
18/19	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
20/21	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
22/23	1.750	44.5	1.625	41.3	2.72	69.1	2.51	63.8	1.64	41.7	1.33	33.8	2.13	54.1	1.197	30.4	.349	8.9
24/25	1.875	47.6	1.750	44.5	2.93	74.4	2.73	69.3	1.81	46.0	1.42	36.1	2.38	60.5	1.323	33.6	.380	9.7

INTERFACE RING AND BRAID



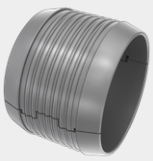
Shell Size	Braid I.D. in	Braid I.D. mm
8/9	.375	9.5
10/11	.375	9.5
12/13	.500	12.7
14/15	.500	12.7
16/17	.781	19.8
18/19	.781	19.8
20/21	1.000	25.4
22/23	1.000	25.4
24/25	1.250	31.8

MATERIAL/FINISH

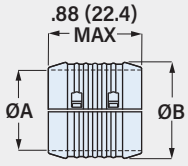
Coupling nut, body: polyetherimide (PEI)/ unplated, black
Flex arms: PEEK/unplated, black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling spring: thermoplastic
interface ring: brass or aluminum
Crimp ring: copper alloy/tin
Support ring (optional): thermoplastic
Band (optional): 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

SHIELD SUPPORT RING

Optional split ring provides a reliable, low resistance method of joining Swing-Arm braid sock to wire bundle braid. Snap ring over wire bundle, then overlap braid sock, pigtails and cable braid. Install band around ring and braid using Band-Master ATS banding tool.



Support Ring



687-207
SUPPORT RING

Shell Size	Support Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
8/9	687-207XB04	.25	6.4	.40	10.2
10/11	687-207XB06	.38	9.7	.53	13.5
12/13	687-207XB08	.50	12.7	.65	16.5
14/15	687-207XB10	.63	16.0	.78	19.8
16/17	687-207XB12	.75	19.1	.90	22.9
18/19	687-207XB14	.88	22.4	1.03	26.2
20/21	687-207XB16	1.00	25.4	1.15	29.2
22/23	687-207XB18	1.13	28.7	1.28	32.5
24/25	687-207XB20	1.25	31.8	1.40	35.6

BAND

Optional pre-coiled banding strap joins adapter braid to harness braids. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Pre-Coiled Band

Shell Size	Precoiled Band Part Number Standard	Precoiled Band Part Number Slim Standard
All	601-041	601-573

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

Swing-Arm® Articulating 3-in-1 Clamps

871A003 • 871F003 • 871H003
Aluminum Body Flex-Arm Shield Sock Saddle Clamp

FOR MIL-DTL-38999, AS50151 CRIMP, AS95234, MIL-DTL-26482 SR. II, AS81703 SR. 3, AND MIL-DTL-83723 SR. III CONNECTORS

Shielded. Lightweight. Self-locking. Adjustable arms. Thermoplastic flex 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®. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, AS81703 Ser. 3, MIL-DTL-83723 Ser. III

Shell Size	A Thread Class 2B	øB Min in	øB Min mm
08	0.500-20 UNF	.264	6.7
10	0.625-24 UNEF	.365	9.3
12	0.750-20 UNEF	.498	12.6
14	0.875-20 UNEF	.575	14.6
16	1.000-20 UNEF	.700	17.8
18	1.0625-18 UNEF	.779	19.8
20	1.1875-18 UNEF	.904	23.0
22	1.3125-18 UNEF	1.029	26.1
24	1.4375-18 UNEF	1.144	29.1

Adapter Code F

MIL-DTL-38999 Series I and Series II

Shell Size	Shell Size Code	A Thread UNEF-2B	øB Min in	øB Min mm
8/9	08	0.4375-28	.264	6.7
10/11	10	0.5625-24	.392	10.0
12/13	12	0.6875-24	.506	12.9
14/15	14	0.8125-20	.631	16.0
16/17	16	0.9375-20	.756	19.2
18/19	18	1.0625-18	.844	21.4
20/21	20	1.1875-18	.970	24.6
22/23	22	1.3125-18	1.094	27.8
24/25	24	1.4375-18	1.219	31.0

Adapter Code H

MIL-DTL-38999 Series III and Series IV

Shell Size	Shell Size Code	A Thread	øB Min in	øB Min mm
9 (A)	09	M12X1.0-6H	.264	6.7
11 (B)	11	M15X1.0-6H	.390	9.9
13 (C)	13	M18X1.0-6H	.504	12.8
15 (D)	15	M22X1.0-6H	.630	16.0
17 (E)	17	M25X1.0-6H	.756	19.2
19 (F)	19	M28X1.0-6H	.843	21.4
21 (G)	21	M31X1.0-6H	.969	24.6
23 (H)	23	M34X1.0-6H	1.091	27.7
25 (J)	25	M37X1.0-6H	1.217	30.9

PART NUMBER

	871A003	NF	22	N	J	14

Base P/N
- **871A003** Adapter Code **A**
- **871F003** Adapter Code **F**
- **871H003** Adapter Code **H**

Material/Finish
- **M** Electroless Nickel
- **NF** O. D. Cadmium, Selective (Figure 1)
- **MT** Nickel-PTFE
- **TZ** Tin-Zinc
- **ZR** Black Zinc-Nickel

Shell Size
See Adapter Code Tables For Shell Size

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

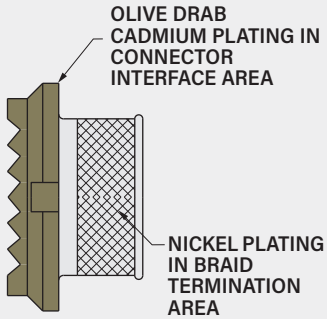
Support Ring and Band
Omit if not required
- **K** Shield support ring and standard band
- **J** Shield support ring and slim standard band

Braid Length
Omit for standard 12 inch length
- **14** Length in 1 inch increments, 6 inch min "14" = 14 inches.

MATERIAL/FINISH

Coupling nut, body: aluminum
Flex arms: PEEK/unplated, black
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
interface Ring: aluminum
Crimp ring: copper alloy/tin
Support 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

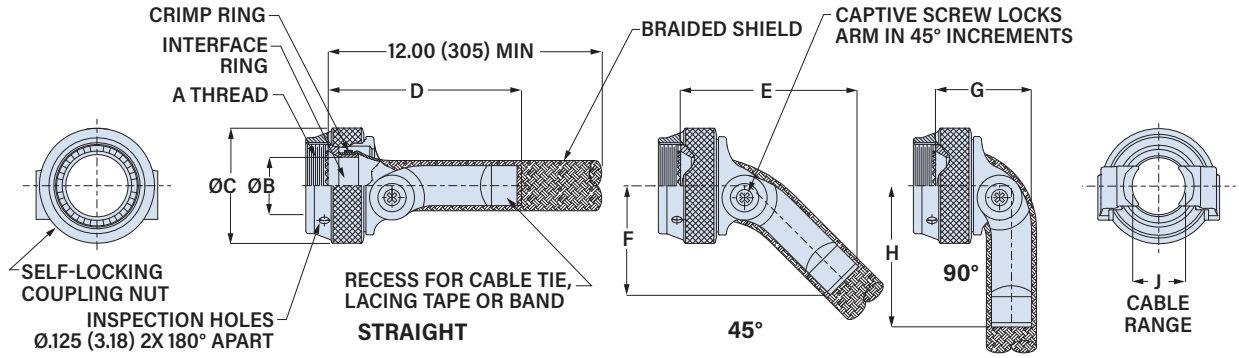
FIGURE 1
NF SELECTIVE FINISH



Swing-Arm® Articulating 3-in-1 Clamps

871A003 • 871F003 • 871H003

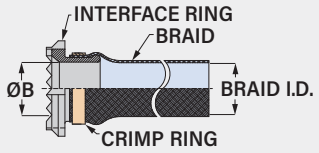
Aluminum Body Flex-Arm Shield Sock Saddle Clamp



See Adapter Code tables for A and B dimensions

Shell Size	ø C Max		D Max		E Max		F Max		G Max		H Max		J Ref. Max		J Ref. Min	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
8/9	.812	20.6	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
10/11	.938	23.8	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
12/13	1.125	28.6	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
14/15	1.250	31.8	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
16/17	1.375	34.9	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
18/19	1.500	38.1	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
20/21	1.625	41.3	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
22/23	1.750	44.5	2.72	69.1	2.51	63.8	1.64	41.7	1.33	33.8	2.13	54.1	1.197	30.4	.349	8.9
24/25	1.875	47.6	2.93	74.4	2.73	69.3	1.81	46.0	1.42	36.1	2.38	60.5	1.323	33.6	.380	9.7

INTERFACE RING AND BRAID



Shell Size	Braid I.D. in	Braid I.D. mm
8/9	.375	9.5
10/11	.375	9.5
12/13	.500	12.7
14/15	.500	12.7
16/17	.781	19.8
18/19	.781	19.8
20/21	1.000	25.4
22/23	1.000	25.4
24/25	1.250	31.8

BAND

Optional pre-coiled banding strap joins adapter braid to harness braids. Glenair's Band-Master ATS® banding system provides quick, easy, cost-effective and highly reliable termination. Band is passivated stainless steel.

Pre-Coiled Band

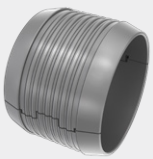
Shell Size	Precoiled Band Part Number Standard	Slim Standard
All	601-041	601-573

Banding Tool for Standard Band
601-100

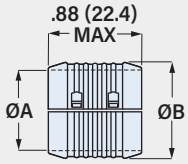
Banding Tool for Slim Standard Band
601-109

SHIELD SUPPORT RING

Optional split ring provides a reliable, low resistance method of joining Swing-Arm braid to wire bundle braid. Snap ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around ring and braid using Band-Master ATS banding tool.



Support Ring



687-207
SUPPORT RING

Shell Size	Support Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
8/9	687-207XB04	.25	6.4	.40	10.2
10/11	687-207XB06	.38	9.7	.53	13.5
12/13	687-207XB08	.50	12.7	.65	16.5
14/15	687-207XB10	.63	16.0	.78	19.8
16/17	687-207XB12	.75	19.1	.90	22.9
18/19	687-207XB14	.88	22.4	1.03	26.2
20/21	687-207XB16	1.00	25.4	1.15	29.2
22/23	687-207XB18	1.13	28.7	1.28	32.5
24/25	687-207XB20	1.25	31.8	1.40	35.6

871A004 • 871F004 • 871H004
Composite Flex-Arm Saddle Clamp with Drop-In Band Adapter

FOR MIL-DTL-38999, AS50151 CRIMP, AS95234, MIL-DTL-26482 SR. II, AS81703 SR. 3, AND MIL-DTL-83723 SR. III CONNECTORS

Shielded, self-locking, adjustable arms. Thermoplastic flex arms pivot to 0°, 45° or 90° positions. includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, AS81703 Ser. 3, MIL-DTL-83723 Ser. III

Shell Size	A Thread Class 2B	øB Min in	øB Min mm
08	0.500-20 UNF	.178	4.5
10	0.625-24 UNEF	.305	7.8
12	0.750-20 UNEF	.404	10.3
14	0.875-20 UNEF	.565	14.4
16	1.000-20 UNEF	.658	16.7
18	1.0625-18 UNEF	.748	19.0
20	1.1875-18 UNEF	.877	22.3
22	1.3125-18 UNEF	.999	25.4
24	1.4375-18 UNEF	1.127	28.6

Adapter Code F

MIL-DTL-38999 Series I and Series II

Shell Size	Shell Size Code	A Thread UNEF-2B	øB Min in	øB Min mm
8/9	08	0.4375-28	.178	4.5
10/11	10	0.5625-24	.305	7.7
12/13	12	0.6875-24	.404	10.3
14/15	14	0.8125-20	.526	13.4
16/17	16	0.9375-20	.631	16.0
18/19	18	1.0625-18	.748	19.0
20/21	20	1.1875-18	.877	22.3
22/23	22	1.3125-18	.999	25.4
24/25	24	1.4375-18	1.127	28.6

Adapter Code H

MIL-DTL-38999 Series III and Series IV

Shell Size	Shell Size Code	A Thread	øB Min in	øB Min mm
9 (A)	09	M12X1.0-6H	.178	4.5
11 (B)	11	M15X1.0-6H	.305	7.7
13 (C)	13	M18X1.0-6H	.404	10.3
15 (D)	15	M22X1.0-6H	.565	14.3
17 (E)	17	M25X1.0-6H	.658	16.7
19 (F)	19	M28X1.0-6H	.777	19.7
21 (G)	21	M31X1.0-6H	.877	22.3
23 (H)	23	M34X1.0-6H	.999	25.4
25 (J)	25	M37X1.0-6H	1.127	28.6

PART NUMBER

871A004	M	22	S	K

Base P/N
- 871A004 Adapter Code A
- 871F004 Adapter Code F
- 871H004 Adapter Code H

Banding Adapter Material/Finish
- M Alum/Electroless Nickel
- NF Alum/Olive Drab Cadmium
- NFS Alum/O.D. Cadmium, selective (fig. 1)
- MT Alum/Nickel-PTFE
- TZ Alum/Tin-Zinc
- BM Brass/Electroless Nickel
- BN Brass/Olive Drab Cadmium
- BNS Brass/O.D. Cadmium, selective (fig. 1)
- BMT Brass/Nickel-PTFE

Shell Size
See Adapter Code Tables For Shell Size

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 Micro Slim Band included With Clamp

FIGURE 1
FINISH CODES *NFS*, *BNS*

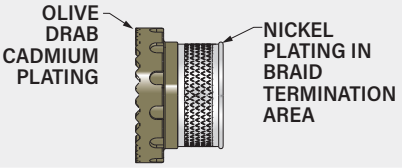
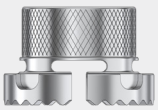


FIGURE 2
BANDING ADAPTER SLOTS



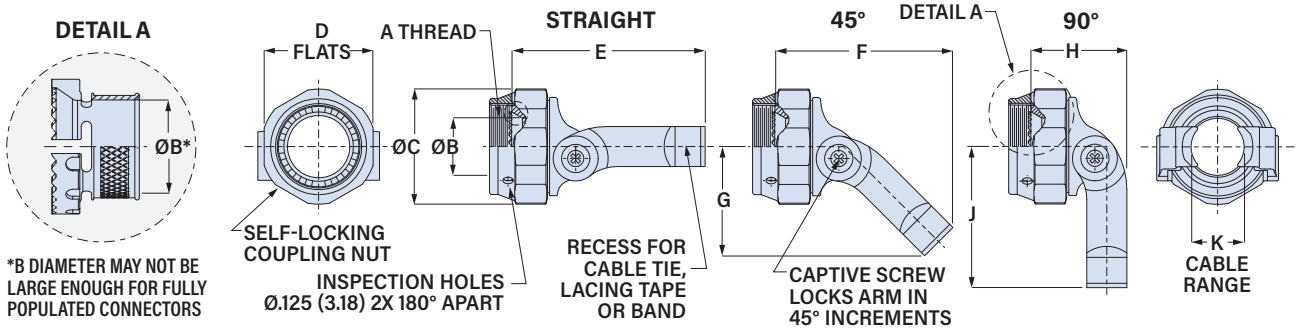
Route pigtail shield braids into optional "T" slots in banding adapter.

MATERIAL/FINISH
- **Coupling nut, body, arms:** thermoplastic, black
- **Screws, washers, inserts:** stainless steel/ passivated
- **Anti-decoupling springs:** thermoplastic
- **Interface ring:** aluminum alloy or brass
- **Band (optional):** stainless steel/ passivated

Swing-Arm® Articulating 3-in-1 Clamps

871A004 • 871F004 • 871H004

Composite Flex-Arm Saddle Clamp with Drop-In Band Adapter



See Adapter Code tables for A and B dimensions

Shell Size	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
8/9	.812	20.6	.750	19.1	1.79	45.5	1.57	39.9	.87	22.1	.96	24.4	1.12	28.4	.393	10.0	.098	2.5
10/11	.938	23.8	.875	22.2	1.80	45.7	1.57	39.9	.89	22.6	.96	24.4	1.15	29.2	.455	11.6	.121	3.1
12/13	1.125	28.6	1.000	25.4	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14/15	1.250	31.8	1.125	28.6	2.08	52.8	1.88	47.8	1.16	29.5	1.32	33.5	1.50	38.1	.710	18.0	.210	5.3
16/17	1.375	34.9	1.250	31.8	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
18/19	1.500	38.1	1.375	34.9	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.81	46.0	.934	23.7	.277	7.0
20/21	1.625	41.3	1.500	38.1	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0
22/23	1.750	44.5	1.625	41.3	2.75	69.9	2.54	64.5	1.67	42.4	1.37	34.8	2.16	54.9	1.197	30.4	.349	8.9
24/25	1.875	47.6	1.750	44.5	2.96	75.2	2.75	69.9	1.84	46.7	1.46	37.1	2.41	61.2	1.323	33.6	.380	9.7

BANDING TOOLS AND BANDS

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

Micro Slim Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro Slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.125	206	.88	22.4
14 – 25	601-065	601-603	14.25	362	1.88	47.8

Swing-Arm® Articulating 3-in-1 Clamps

871A005 • 871F005 • 871H005

Aluminum Body Flex-Arm Saddle Clamp with Drop-In Band Adapter

FOR MIL-DTL-38999, AS50151 CRIMP, AS95234, MIL-DTL-26482 SR. II, AS81703 SR. 3, AND MIL-DTL-83723 SR. III CONNECTORS

Shielded, self-locking, adjustable arms. Thermoplastic flex arms pivot to 0°, 45° or 90° positions. Includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code A

AS50151 crimp, AS95234, MIL-DTL-26482 Ser. II, AS81703 Ser. 3, MIL-DTL-83723 Ser. III

Shell Size	A Thread Class 2B	øB Min in	øB Min mm
08	0.500-20 UNF	.178	4.5
10	0.625-24 UNEF	.305	7.8
12	0.750-20 UNEF	.404	10.3
14	0.875-20 UNEF	.565	14.4
16	1.000-20 UNEF	.658	16.7
18	1.0625-18 UNEF	.748	19.0
20	1.1875-18 UNEF	.877	22.3
22	1.3125-18 UNEF	.999	25.4
24	1.4375-18 UNEF	1.127	28.6

Adapter Code F

MIL-DTL-38999 Series I and Series II

Shell Size	Shell Size Code	A Thread UNEF-2B	øB Min in	øB Min mm
8/9	08	0.4375-28	.178	4.5
10/11	10	0.5625-24	.305	7.7
12/13	12	0.6875-24	.404	10.3
14/15	14	0.8125-20	.526	13.4
16/17	16	0.9375-20	.631	16.0
18/19	18	1.0625-18	.748	19.0
20/21	20	1.1875-18	.877	22.3
22/23	22	1.3125-18	.999	25.4
24/25	24	1.4375-18	1.127	28.6

Adapter Code H

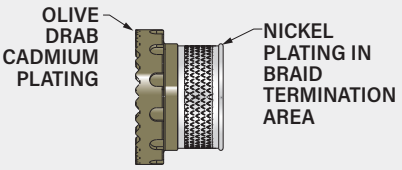
MIL-DTL-38999 Series III and Series IV

Shell Size	Shell Size Code	A Thread	øB Min in	øB Min mm
9 (A)	09	M12X1.0-6H	.178	4.5
11 (B)	11	M15X1.0-6H	.305	7.7
13 (C)	13	M18X1.0-6H	.404	10.3
15 (D)	15	M22X1.0-6H	.565	14.3
17 (E)	17	M25X1.0-6H	.658	16.7
19 (F)	19	M28X1.0-6H	.777	19.7
21 (G)	21	M31X1.0-6H	.877	22.3
23 (H)	23	M34X1.0-6H	.999	25.4
25 (J)	25	M37X1.0-6H	1.127	28.6

PART NUMBER

	871A005	M	22	S	K
Base P/N	871A005 Adapter Code A 871F005 Adapter Code F 871H005 Adapter Code H				
Material/Finish		M Alum/Electroless Nickel NF Alum/Olive Drab Cadmium NFS Alum/O.D. Cadmium, selective (fig. 1) MT Alum/Nickel-PTFE TZ Alum/Tin-Zinc			
Shell Size			*See Adapter Code Tables For Shell Size*		
Banding Adapter Slots				*Omit if not required. See Detail A.* 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 Micro Slim Band included With Clamp

FIGURE 1
FINISH CODE *NFS*



MATERIAL/FINISH

Coupling nut, body, interface ring: aluminum
Flex arms: high-strength thermoplastic
Screws, washers, inserts: sst/passivated
Anti-decoupling springs: thermoplastic
Band (optional): stainless steel/ passivated

BANDING TOOLS AND BANDS

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

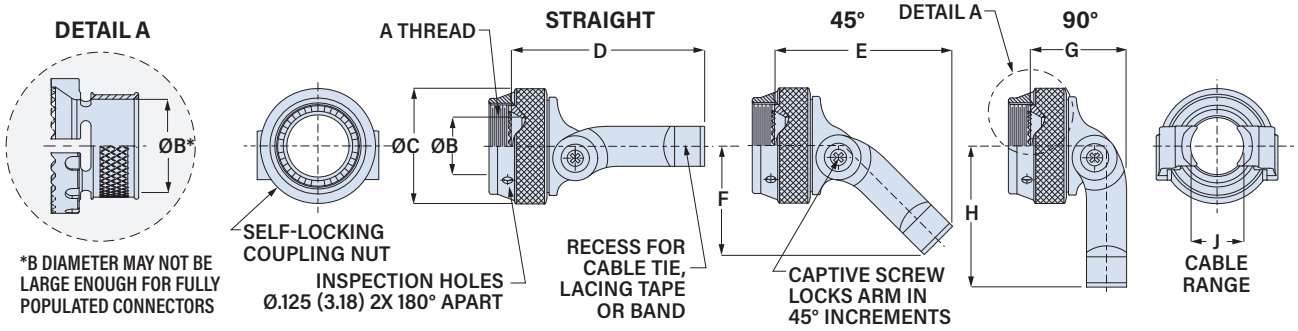
Micro Band Tool
601-101

Micro Slim Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro Slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.125	206	.88	22.4
14 – 25	601-065	601-603	14.25	362	1.88	47.8

Rev. 07.05.23

871A005 • 871F005 • 871H005
Aluminum Body Flex-Arm Saddle Clamp with Drop-In Band Adapter



See Adapter Code tables for A and B dimensions

Shell Size	ø C Max		D Max		E Max		F Max		G Max		H Max		J Ref. Max		J Ref. Min	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
8/9	.812	20.6	1.79	45.5	1.56	39.6	.87	22.1	.93	23.6	1.12	28.4	.393	10.0	.098	2.5
10/11	.938	23.8	1.80	45.7	1.57	39.9	.89	22.6	.93	23.6	1.15	29.2	.455	11.6	.121	3.1
12/13	1.125	28.6	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14/15	1.250	31.8	2.08	52.8	1.88	47.8	1.16	29.5	1.05	26.7	1.50	38.1	.710	18.0	.210	5.3
16/17	1.375	34.9	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
18/19	1.500	38.1	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.74	44.2	.934	23.7	.277	7.0
20/21	1.625	41.3	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0
22/23	1.750	44.5	2.75	69.9	2.54	64.5	1.67	42.4	1.37	34.8	2.16	54.9	1.197	30.4	.349	8.9
24/25	1.875	47.6	2.96	75.2	2.75	69.9	1.84	46.7	1.46	37.1	2.41	61.2	1.323	33.6	.380	9.7

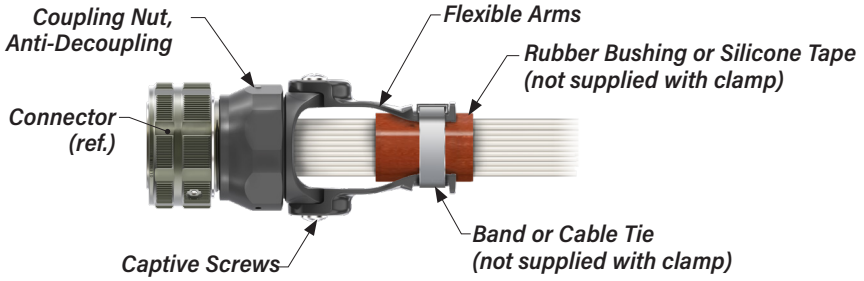
871M001
Flex-Arm Saddle Clamp for Unshielded Wire Bundles

FOR SERIES 80 MIGHTY MOUSE CONNECTORS

Adapter Code M

This accessory fits Series 80 Mighty Mouse Connectors

Lightweight, self-locking, flexible arms. Thermoplastic flex arms pivot to 0°, 45° or 90° positions. Use banding strap or cable tie to secure arms to wire bundle. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Clamp and coupling nut are composite or aluminum, flex arms are PEEK. Passivated SST hardware.



MATERIAL/FINISH

Body, coupling nut :
Code XB: polyetherimide, black
Codes M, MT, NF, TZ, ZR: aluminum alloy
Arms: PEEK, black
Hardware: stainless steel
Anti-decoupling spring: thermoplastic

PART NUMBER

	871M001	XB	12
Base P/N	**871M001**		
Material/Finish	*Composite* **XB** No Finish (Black) *Aluminum* **M** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFR **TZ** Tin-Zinc **ZR** Black Zinc-Nickel	*Material/Finish Code applies to coupling nut and clamp body. Flex arms are black thermoplastic.*	
Size Code	**07 09 12 14 16 17** *See table below for size code*		

BANDING TOOLS AND BANDS

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.

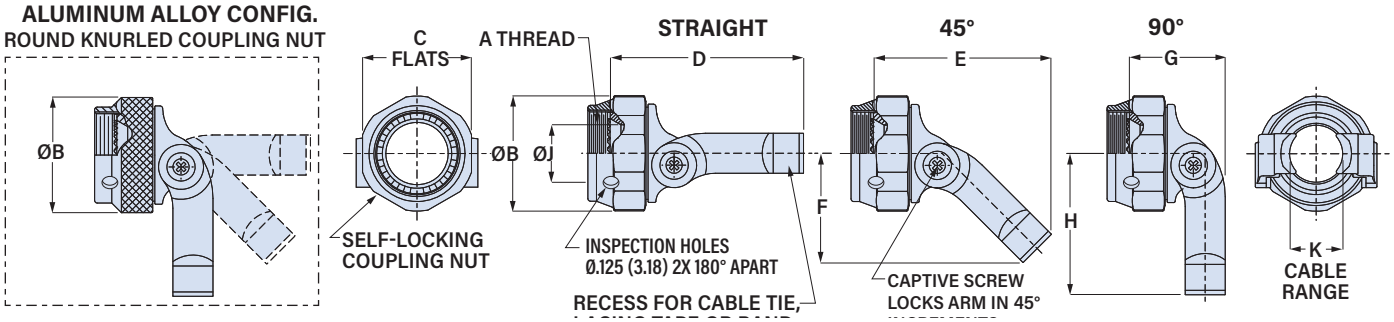

Band

Micro Band Tool
601-101

Micro Slim Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro Slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.125	206	.88	22.4
14 – 28	601-065	601-603	14.25	362	1.88	47.8

871M001
Flex-Arm Saddle Clamp for Unshielded Wire Bundles



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	øB Max in	øB Max mm	C Flats Max in	C Flats Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Min. in	J Min. mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
07	7	9	0.4375-28	.812	20.6	.750	19.1	1.69	42.9	1.46	37.1	.87	22.1	.85	21.6	1.12	28.4	.264	6.7	.393	10.0	.098	2.5
09	9	11	0.5625-24	.938	23.8	.875	22.2	1.69	42.9	1.46	37.1	.89	22.6	.85	21.6	1.15	29.2	.390	9.9	.455	11.6	.121	3.1
12	11, 12, 13	13	0.6875-24	1.125	28.6	1.000	25.4	1.97	50.0	1.77	45.0	1.10	27.9	.94	23.9	1.44	36.6	.504	12.8	.598	15.2	.157	4.0
14	14, 15, 16, 17	18, 19	0.9375-20	1.375	34.9	1.250	31.8	2.18	55.4	2.02	51.3	1.28	32.5	1.10	27.9	1.68	42.7	.756	19.2	.839	21.3	.246	6.2
16	19	21	1.0625-18	1.500	38.1	1.375	34.9	2.18	55.4	2.02	51.3	1.35	34.3	1.10	27.9	1.74	44.2	.843	21.4	.934	23.7	.277	7.0
17	21	23	1.1875-18	1.625	41.3	1.500	38.1	2.64	67.1	2.43	61.7	1.63	41.4	1.26	32.0	2.12	53.8	.969	24.6	1.068	27.1	.313	8.0

871M002
Composite Flex-Arm Shield Sock Saddle Clamp

FOR SERIES 80 MIGHTY MOUSE CONNECTORS

Shielded. Lightweight. Self-locking. Adjustable arms. Thermoplastic flex 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.

Adapter Code M

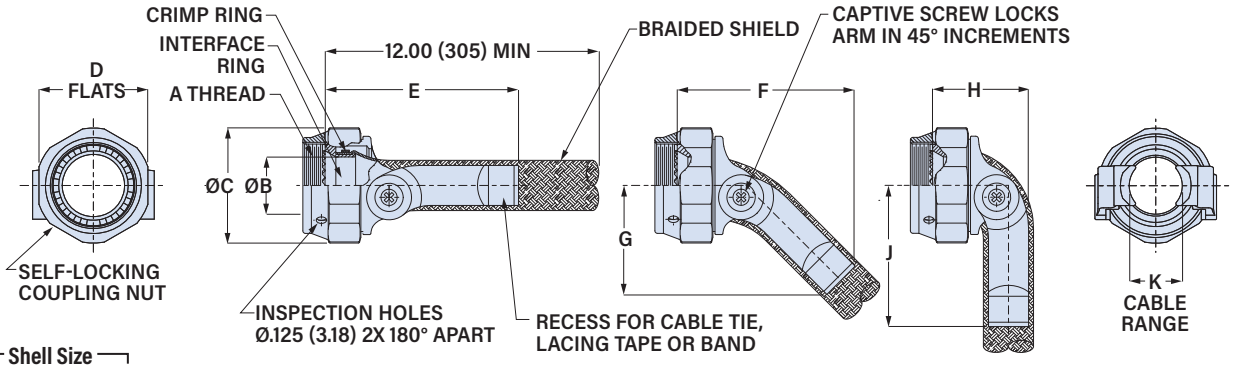
This accessory fits Series 80 Mighty Mouse Connectors

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

	871M002	BM	12	N	J	14
Base P/N	**871M002**					
Interface Ring Material /Finish	*See Table 1*					
Size Code	**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					
Support Ring and Band	*Omit if not required* **K** Shield support ring and standard band **J** Shield support 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.					



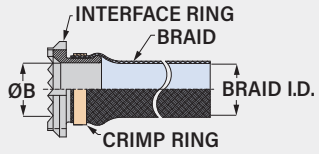
Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	ø B in	ø B mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
07	7	9	0.4375-28	.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	2.16	54.9	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

871M002
Composite Flex-Arm Shield Sock Saddle Clamp

MATERIAL/FINISH

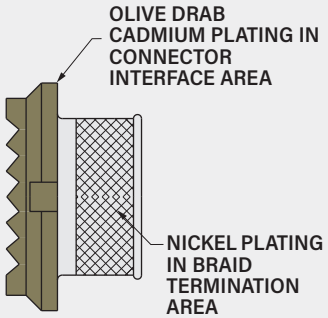
Coupling nut, body: polyetherimide (PEI)/ unplated, black
Flex arms: PEEK/unplated, black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling spring: thermoplastic
Interface ring: brass or aluminum
Crimp ring: copper alloy/tin
Support ring (optional): thermoplastic
Band (optional): 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

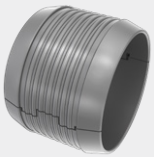


Size Code	ø B Min in	ø B Min mm	Braid I.D. in	Braid I.D. mm
07	.264	6.7	.375	9.53
08	.264	6.7	.375	9.53
09	.392	10.0	.375	9.53
10	.392	10.0	.375	9.53
12	.506	12.9	.500	12.70
13	.506	12.9	.500	12.70
14	.756	19.2	.781	19.84
16	.844	21.4	1.000	25.40
17	.970	24.6	1.000	25.40

FIGURE 1
NF AND BN SELECTIVE FINISH



SHIELD SUPPORT RING AND BAND (K AND J OPTIONS)



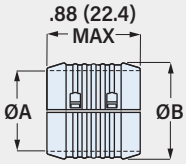
Support Ring

Band

Optional support ring provides a reliable, low resistance method of joining Swing-Arm braid to wire bundle braids. Snap ring over wire bundle, then overlap braid sock, pigtails and cable braid. Install band around 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 Standard	Band Part Number Slim Standard	Support Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) 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
SUPPORT RING

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

871M003
Aluminum Flex-Arm Shield Sock Saddle Clamp

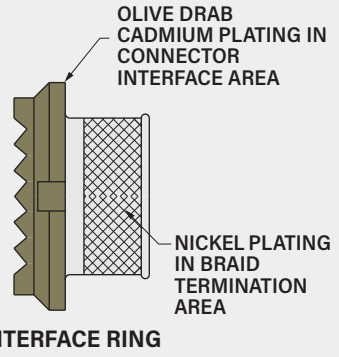
FOR SERIES 80 MIGHTY MOUSE CONNECTORS

Shielded. Lightweight. Self-locking. Adjustable arms. Thermoplastic flex 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®. 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
NF SELECTIVE FINISH



PART NUMBER

	871M003	M	12	N	J	14

Base P/N — 871M003

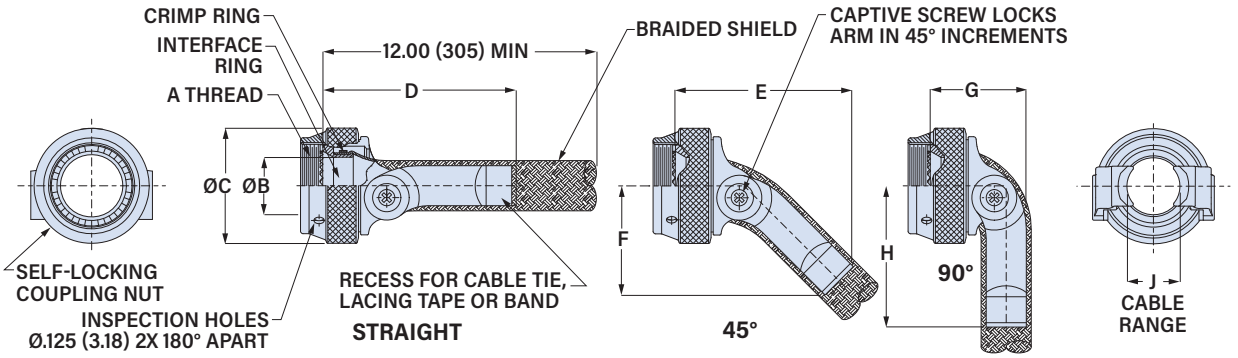
Material/Finish
- M Electroless Nickel
- NF O. D. Cadmium, Selective (Figure 1)
- MT Nickel-PTFE
- TZ Tin-Zinc
- ZR Black Zinc-Nickel

Size Code — 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

Support Ring and Band
Omit if not required
- K Shield support ring and standard band
- J Shield support ring and slim standard band

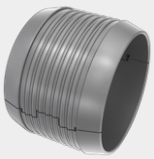
Braid Length
Omit for standard 12 inch length
- 14 Length in 1 inch increments, 6 inch min "14" = 14 inches.



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. Max in	J Ref. Max mm	J Ref. Min in	J Ref. Min mm
07	7	9	0.4375-28	.264	6.7	.81	20.6	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	.81	20.6	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	.94	23.8	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	.94	23.8	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	1.13	28.6	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	1.13	28.6	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	1.38	34.9	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	1.50	38.1	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	1.63	41.3	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

871M003
Aluminum Flex-Arm Shield Sock Saddle Clamp

SHIELD SUPPORT RING AND PRE-COILED BAND (K AND J OPTIONS)



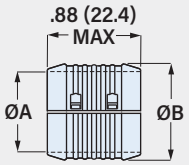
Support Ring

Band

Optional support ring provides a reliable, low resistance method of joining Swing-Arm braid to wire bundle braids. Snap ring over wire bundle, then overlap braid sock, pigtails and cable braid. Install band around 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 Standard	Band Part Number Slim Standard	Support Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) 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
SUPPORT RING

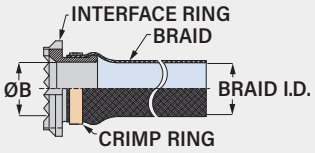
Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

MATERIAL/FINISH

Coupling nut, body: aluminum
Flex arms: PEEK /unplated, black
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
Interface ring: aluminum
Crimp ring: copper alloy/tin
Support 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	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

871M004
Composite Flex-Arm Saddle Clamp with Drop-In Band Adapter

FOR SERIES 80 MIGHTY MOUSE CONNECTORS

Shielded, self-locking, adjustable arms. Thermoplastic flex arms pivot to 0°, 45° or 90° positions. Includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. 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*

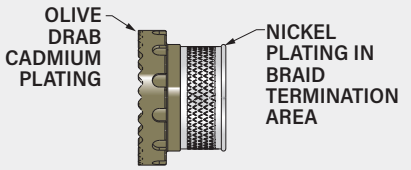
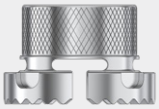


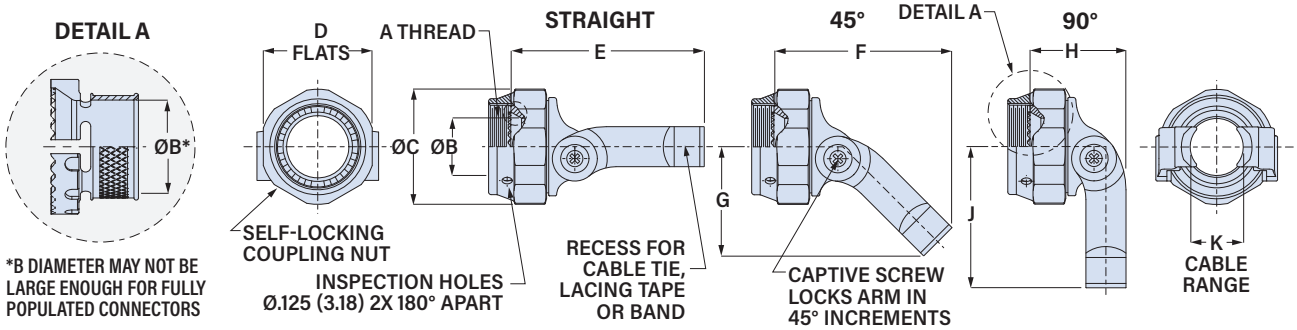
FIGURE 2
BANDING ADAPTER SLOTS



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

PART NUMBER

	871M004	M	12	S	K
Base P/N	871M004				
Banding Adapter Material/Finish	**M** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc **BM** Brass/Electroless Nickel **BN** Brass/Olive Drab Cadmium **BNS** Brass/O.D. Cadmium, selective (fig. 1) **BMT** Brass/Nickel-PTFE				
Size Code	**07 08 09 10 12 13 14 16 17** *See table below for size code*				
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 Micro Slim Band included With Clamp				



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	ø B Min* in	ø B Min* mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
07	7	9	0.4375-28	.178	4.5	.812	20.6	.750	19.1	1.79	45.5	1.56	39.6	.87	23.6	.93	24.4	1.12	28.4	.393	10.0	.098	2.5
08	8	10	0.500-28	.178	4.5	.812	20.6	.750	19.1	1.79	45.5	1.56	39.6	.87	23.6	.93	24.4	1.12	28.4	.393	10.0	.098	2.5
09	9	11	0.5625-24	.305	7.7	.938	23.8	.875	22.2	1.80	45.7	1.57	39.9	.89	23.6	.93	24.4	1.15	29.2	.455	11.6	.121	3.1
10	10	12	0.625-24	.305	7.7	.938	23.8	.875	22.2	1.80	45.7	1.57	39.9	.89	23.6	.93	24.4	1.15	29.2	.455	11.6	.121	3.1
12	11, 12, 13	13	0.6875-24	.404	10.3	1.125	28.6	1.000	25.4	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
13	N/A	15	0.750-20	.404	10.3	1.125	28.6	1.000	25.4	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14	14, 15, 16, 17	18, 19	0.9375-20	.658	16.7	1.375	34.9	1.250	31.8	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
16	19	21	1.0625-18	.748	19.0	1.500	38.1	1.375	34.9	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.74	44.2	.934	23.7	.277	7.0
17	21	23	1.1875-18	.877	22.3	1.625	41.3	1.500	38.1	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0

871M004
Composite Flex-Arm Saddle Clamp with Drop-In Band Adapter

MATERIAL/FINISH

Coupling nut, body, arms: thermoplastic, black
Screws, washers, inserts: stainless steel/ passivated
Anti-decoupling springs: thermoplastic
Interface ring: aluminum alloy or brass
Band (optional): stainless steel/ passivated

BANDING TOOLS AND BANDS

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

Micro Slim Band Tool
601-122

Size Code	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter 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

871M005
Aluminum Flex-Arm Saddle Clamp with Drop-In Band Adapter

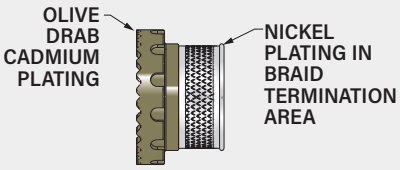
FOR SERIES 80 MIGHTY MOUSE CONNECTORS

Shielded, self-locking, adjustable arms. Thermoplastic flex arms pivot to 0°, 45° or 90° positions. includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled microband. 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 CODE *NFS*



PART NUMBER

	871M005	M	12	S	K
Base P/N	**871M005**				
Material/Finish	**M** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc				
Size Code	**07 08 09 10 12 13 14 16 17** *See table below for size code*				
Banding Adapter Slots	*Omit if not required. See Detail A.* **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 Micro Slim Band included With Clamp				

BANDING TOOLS AND BANDS

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

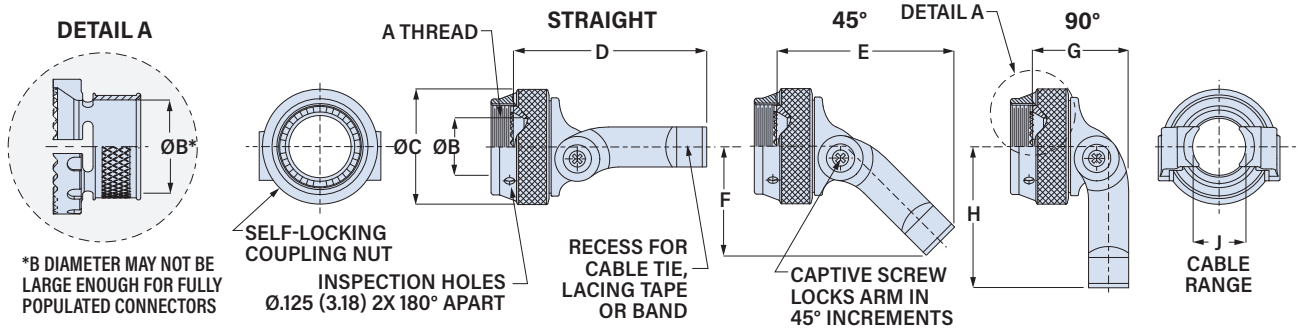
Micro Slim Band Tool
601-122

Size Code	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter 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

MATERIAL/FINISH

Coupling nut, body, interface ring: aluminum
Flex arms: high-strength thermoplastic
Screws, washers, inserts: sst/passivated
Anti-decoupling springs: thermoplastic
Interface ring: aluminum alloy or brass
Band (optional): stainless steel/ passivated

871M005
Aluminum Flex-Arm Saddle Clamp with Drop-In Band Adapter



Size Code	Shell Size Series 800, 801, 803, 804	Shell Size Series 805	A Thread UNEF-2B	ø B Min* in	ø B Min* mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. Max in	J Ref. Max mm	J Ref. Min in	J Ref. Min mm
07	7	9	0.4375-28	.178	4.5	.812	20.6	1.79	45.5	1.56	39.6	.87	23.6	.93	24.4	1.12	28.4	.393	10.0	.098	2.5
08	8	10	0.500-28	.178	4.5	.812	20.6	1.79	45.5	1.56	39.6	.87	23.6	.93	24.4	1.12	28.4	.393	10.0	.098	2.5
09	9	11	0.5625-24	.305	7.7	.938	23.8	1.80	45.7	1.57	39.9	.89	23.6	.93	24.4	1.15	29.2	.455	11.6	.121	3.1
10	10	12	0.625-24	.305	7.7	.938	23.8	1.80	45.7	1.57	39.9	.89	23.6	.93	24.4	1.15	29.2	.455	11.6	.121	3.1
12	11, 12, 13	13	0.6875-24	.404	10.3	1.125	28.6	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
13	N/A	15	0.750-20	.404	10.3	1.125	28.6	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14	14, 15, 16, 17	18, 19	0.9375-20	.658	16.7	1.375	34.9	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
16	19	21	1.0625-18	.748	19.0	1.500	38.1	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.74	44.2	.934	23.7	.277	7.0
17	21	23	1.1875-18	.877	22.3	1.625	41.3	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0

871V001
Flex-Arm Saddle Clamp for Unshielded Wire Bundles

FOR SERIES 806 MIL-AERO CONNECTORS

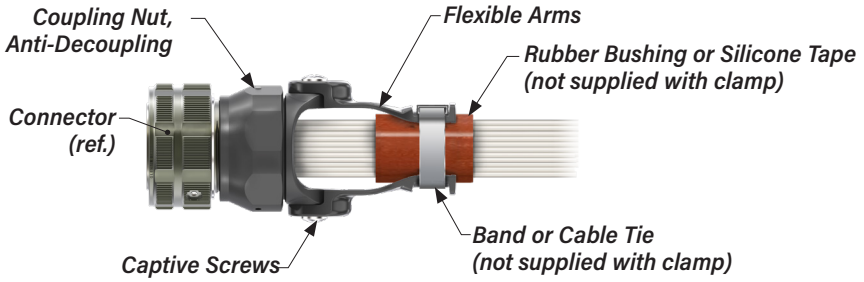
Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

MATERIAL/FINISH

Body, coupling nut :
Code XB: polyetherimide, black
Codes M, MT, NF, TZ, ZR: aluminum alloy
Arms: PEEK, black
Hardware: stainless steel
Anti-decoupling spring: thermoplastic

Lightweight, self-locking, flexible arms. Thermoplastic flex arms pivot to 0°, 45° or 90° positions. Use banding strap or cable tie to secure arms to wire bundle. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration. Clamp and coupling nut are composite or aluminum, flex arms are PEEK. Passivated SST hardware.



PART NUMBER

	871V001	XB	12
Base P/N	871V001		
Material/Finish	*Composite* **XB** No Finish (Black) *Aluminum* **ME** Electroless Nickel **NF** Olive Drab Cadmium **MT** Nickel-PTFR **TZ** Tin-Zinc **ZR** Black Zinc-Nickel	*Material/Finish Code applies to coupling nut and clamp body. Flex arms are black thermoplastic.*	
Shell Size	**09 11 16 18 20 22 24**		

BANDING TOOLS AND BANDS

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.

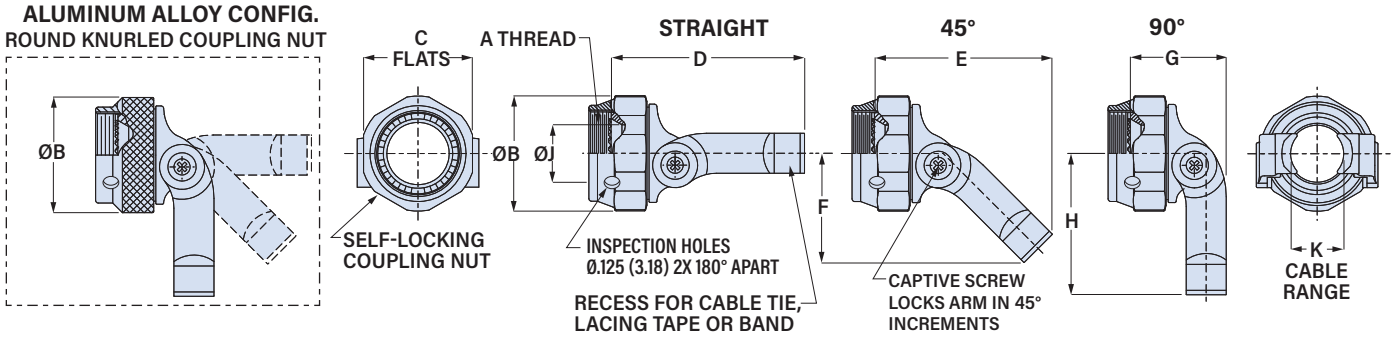
Band

Micro Band Tool
601-101

Micro Slim Band Tool
601-122

Size Code	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter 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

871V001
Flex-Arm Saddle Clamp for Unshielded Wire Bundles



Shell Size	A Thread ISO Metric	øB Max in	øB Max mm	C Flats in	C Flats mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Min in	J Min mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
09	M12 x 1.0-6H	.812	20.6	.750	19.1	1.69	42.9	1.46	37.1	.87	22.1	.85	21.6	1.12	28.4	.264	6.7	.393	10.0	.098	2.5
11	M15 x 1.0-6H	.938	23.8	.875	22.2	1.69	42.9	1.46	37.1	.89	22.6	.85	21.6	1.15	29.2	.390	9.9	.455	11.6	.121	3.1
16	M22 x 1.0-6H	1.250	31.8	1.125	28.6	1.97	50.0	1.77	45.0	1.32	33.5	.94	23.9	1.50	38.1	.630	16.0	.710	18.0	.210	5.3
18	M25 x 1.0-6H	1.375	34.9	1.250	31.8	2.18	55.4	2.02	51.3	1.28	32.5	1.10	27.9	1.68	42.7	.756	19.2	.839	21.3	.246	6.2
20	M28 x 1.0-6H	1.500	38.1	1.375	34.9	2.18	55.4	2.02	51.3	1.35	34.3	1.10	27.9	1.74	44.2	.843	21.4	.934	23.7	.277	7.0
22	M31 x 1.0-6H	1.625	41.3	1.500	38.1	2.64	67.1	2.43	61.7	1.63	41.4	1.26	32.0	2.12	53.8	.969	24.6	1.068	27.1	.313	8.0
24	M34 x 1.0-6H	1.750	44.5	1.625	41.3	2.64	67.1	2.43	61.7	1.67	42.4	1.26	32.0	2.16	54.9	1.091	27.7	1.197	30.4	.349	8.9

871V002
Composite Flex-Arm Shield Sock Saddle Clamp

FOR SERIES 806 MIL-AERO CONNECTORS

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

Shielded. Lightweight. Self-locking. Adjustable arms. Thermoplastic flex 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.

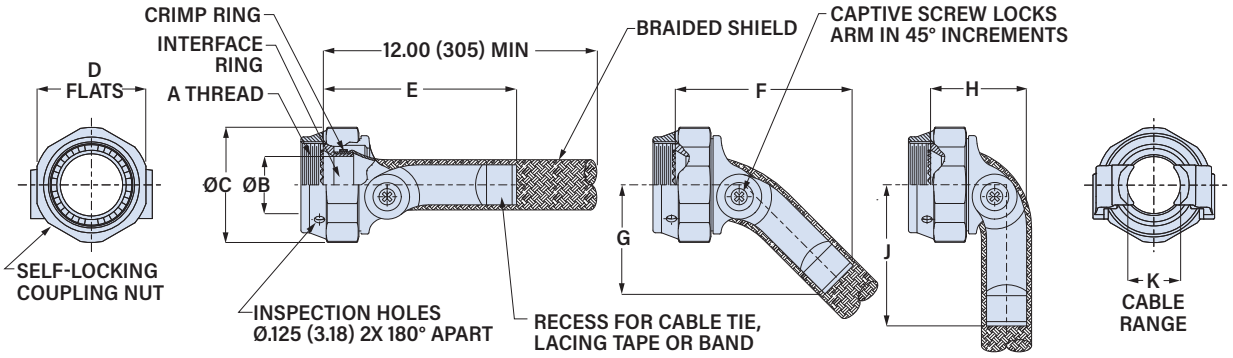
TABLE 1
INTERFACE RING MATERIAL/ FINISH

Aluminum	
ME	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

	871V002	BM	22	N	J	14

Base P/N	**871V002**
Interface Ring Material/Finish	*See Table 1*
Shell Size	**08 09 10 11 12 14 16 18 20 22 24**
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
Support Ring and Band	*Omit if not required* **K** Shield support ring and standard band **J** Shield support 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.



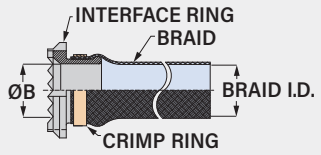
Shell Size	A Thread ISO Metric	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
08	M10 x 1.0-6H	.264	6.7	.812	20.6	.750	19.1	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
09	M12 x 1.0-6H	.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
10	M14 x 1.0-6H	.390	9.9	.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
11	M15 x 1.0-6H	.390	9.9	.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	M17 x 1.0-6H	.504	12.8	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	M19 x 1.0-6H	.630	16.0	1.125	28.6	1.000	25.4	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.598	15.2	.157	4.0
16	M22 x 1.0-6H	.630	16.0	1.250	31.8	1.125	28.6	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
18	M25 x 1.0-6H	.756	19.2	1.375	34.9	1.250	31.8	2.05	52.1	2.10	53.3	1.26	32.0	1.17	29.7	1.65	41.9	.839	21.3	.246	6.2
20	M28 x 1.0-6H	.843	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
22	M31 x 1.0-6H	.969	24.6	1.625	41.3	1.500	38.1	2.26	57.4	2.51	63.8	1.60	40.6	1.33	33.8	2.09	53.1	1.068	27.1	.313	8.0
24	M34 x 1.0-6H	1.091	27.7	1.750	44.5	1.625	41.3	2.72	69.1	2.51	63.8	1.64	41.7	1.33	33.8	2.13	54.1	1.197	30.4	.349	8.9

871V002
Composite Flex-Arm Shield Sock Saddle Clamp

MATERIAL/FINISH

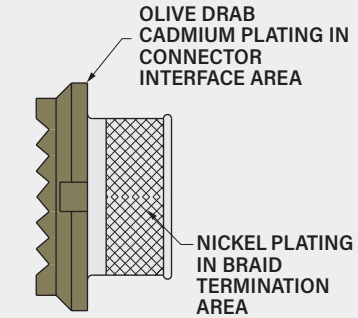
Coupling nut, body, arms: polyetherimide (PEI)/unplated
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
Interface ring: brass or aluminum
Crimp ring: copper alloy/tin
Support ring (optional): thermoplastic
Clinch nuts: stainless steel/silver
Band (optional):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

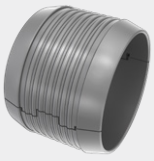


Shell Size	B Dia. In.	B Dia. mm.	Braid I.D. In.	Braid I.D. mm.
08	.264	6.7	.375	9.53
09	.264	6.7	.375	9.53
10	.390	9.9	.375	9.53
11	.390	9.9	.375	9.53
12	.504	12.8	.781	19.84
14	.630	16.0	.781	19.84
16	.630	16.0	.500	12.70
18	.756	19.2	.781	19.84
20	.843	21.4	.781	19.84
22	.969	24.6	1.000	25.40
24	1.091	27.7	1.000	25.40

FIGURE 1
NF AND BN SELECTIVE FINISH



SHIELD SUPPORT RING AND BAND (K AND J OPTIONS)

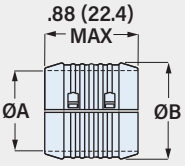

Support Ring


Band

Optional support ring provides a reliable, low resistance method of joining Swing-Arm braid to wire bundle braid. Snap support ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Support Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
09	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
11	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
14	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
16	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
18	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
20	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
22	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
24	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5



687-207
SUPPORT RING

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

871V003
Aluminum Flex-Arm Shield Sock Saddle Clamp

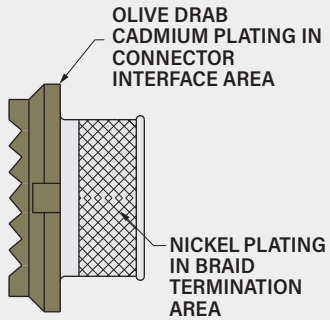
FOR SERIES 806 MIL-AERO CONNECTORS

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

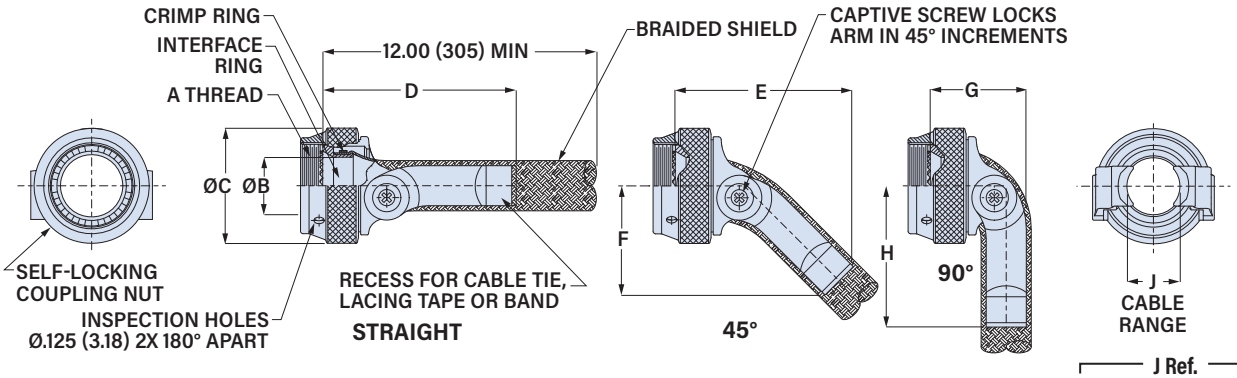
Shielded. Lightweight. Self-locking. Adjustable arms. Thermoplastic flex arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

FIGURE 1
NF SELECTIVE FINISH



PART NUMBER

	871V003	ME	22	N	J	14
Base P/N	871V003					
Material/Finish	**ME** Electroless Nickel **NF** O. D. Cadmium, Selective (Figure 1) **MT** Nickel-PTFE **TZ** Tin-Zinc **ZR** Black Zinc-Nickel					
Shell Size	**08 09 10 11 12 14 16 18 20 22 24**					
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					
Support Ring and Band	*Omit if not required* **K** Shield support ring and standard band **J** Shield support 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.					



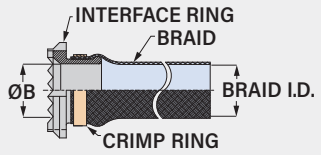
Shell Size	A Thread ISO Metric	ø B Min in	ø B Min mm	ø C Max in	ø C Max mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Ref. Max in	J Ref. Max mm	J Ref. Min in	J Ref. Min mm
08	M10 x 1.0-6H	.264	6.7	.812	20.6	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
09	M12 x 1.0-6H	.264	6.7	.812	20.6	1.77	45.0	1.54	39.1	.84	21.3	.83	21.1	1.09	27.7	.393	10.0	.098	2.5
10	M14 x 1.0-6H	.390	9.9	.938	23.8	1.77	45.0	1.54	39.1	.87	22.1	.83	21.1	1.12	28.4	.455	11.6	.121	3.1
11	M15 x 1.0-6H	.390	9.9	.938	23.8	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	M17 x 1.0-6H	.504	12.8	1.125	28.6	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	M19 x 1.0-6H	.630	16.0	1.125	28.6	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.598	15.2	.157	4.0
16	M22 x 1.0-6H	.630	16.0	1.250	31.8	2.05	52.1	1.85	47.0	1.13	28.7	1.01	25.7	1.47	37.3	.710	18.0	.210	5.3
18	M25 x 1.0-6H	.756	19.2	1.375	34.9	2.05	52.1	2.10	53.3	1.26	32.0	1.17	29.7	1.65	41.9	.839	21.3	.246	6.2
20	M28 x 1.0-6H	.843	21.4	1.500	38.1	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
22	M31 x 1.0-6H	.969	24.6	1.625	41.3	2.26	57.4	2.51	63.8	1.60	40.6	1.33	33.8	2.09	53.1	1.068	27.1	.313	8.0
24	M34 x 1.0-6H	1.091	27.7	1.750	44.5	2.72	69.1	2.51	63.8	1.64	41.7	1.33	33.8	2.13	54.1	1.197	30.4	.349	8.9

871V003
Aluminum Flex-Arm Shield Sock Saddle Clamp

MATERIAL/FINISH

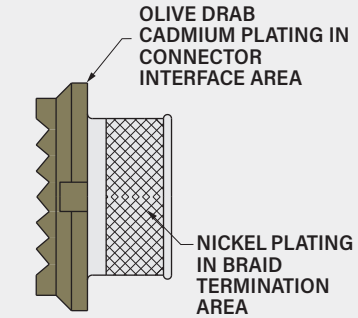
Coupling nut, body: aluminum
Flex arms: PEEK /unplated, black
Screws, washers, inserts: stainless steel/passivated
Anti-decoupling spring: thermoplastic
Interface ring: aluminum
Crimp ring: copper alloy/tin
Support ring (optional): thermoplastic
Band (optional): stainless steel/passivated
Braid:
- **Code 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

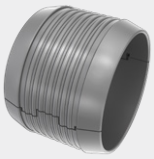


Shell Size	B Dia. In.	B Dia. mm.	Braid I.D. In.	Braid I.D. mm.
08	.264	6.7	.375	9.53
09	.264	6.7	.375	9.53
10	.390	9.9	.375	9.53
11	.390	9.9	.375	9.53
12	.504	12.8	.781	19.84
14	.630	16.0	.781	19.84
16	.630	16.0	.500	12.70
18	.756	19.2	.781	19.84
20	.843	21.4	.781	19.84
22	.969	24.6	1.000	25.40
24	1.091	27.7	1.000	25.40

FIGURE 1
NF AND BN SELECTIVE FINISH



SHIELD SUPPORT RING AND BAND (K AND J OPTIONS)



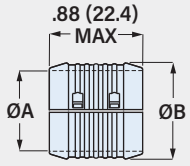
Support Ring

Band

Optional support ring provides a reliable, low resistance method of joining Swing-Arm braid to wire bundle braid. Snap ring over wire bundle, then overlap braid sock, pigtails and cable braid. install band around ring and braid using Band-Master ATS banding tool.

Slim Standard Band is 50% lighter weight than standard band with no reduction in strength.

Shell Size	Band Part Number Standard	Band Part Number Slim Standard	Support Ring Part Number	øA ± .03 (0.8) in	øA ± .03 (0.8) mm	øB ± .03 (0.8) in	øB ± .03 (0.8) mm
08	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
09	601-006	601-571	687-207XB04	.25	6.4	.40	10.2
10	601-006	601-571	687-207XB06	.38	9.7	.53	13.5
11	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
14	601-006	601-571	687-207XB08	.50	12.7	.65	16.5
16	601-006	601-571	687-207XB10	.63	16.0	.78	19.8
18	601-006	601-571	687-207XB12	.75	19.1	.90	22.9
20	601-006	601-571	687-207XB14	.88	22.4	1.03	26.2
22	601-041	601-573	687-207XB16	1.00	25.4	1.15	29.2
24	601-041	601-573	687-207XB18	1.13	28.7	1.28	32.5



687-207
SUPPORT RING

Banding Tool for Standard Band
601-100

Banding Tool for Slim Standard Band
601-109

871V004
Composite Flex-Arm Saddle Clamp with Drop-In Band Adapter

FOR SERIES 806 MIL-AERO CONNECTORS

Shielded, self-locking, adjustable arms. Thermoplastic flex arms pivot to 0°, 45° or 90° positions. Includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

FIGURE 1
FINISH CODES *NFS*, *BNS*

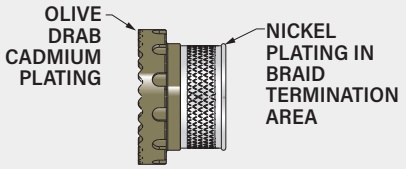
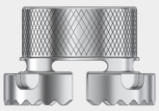


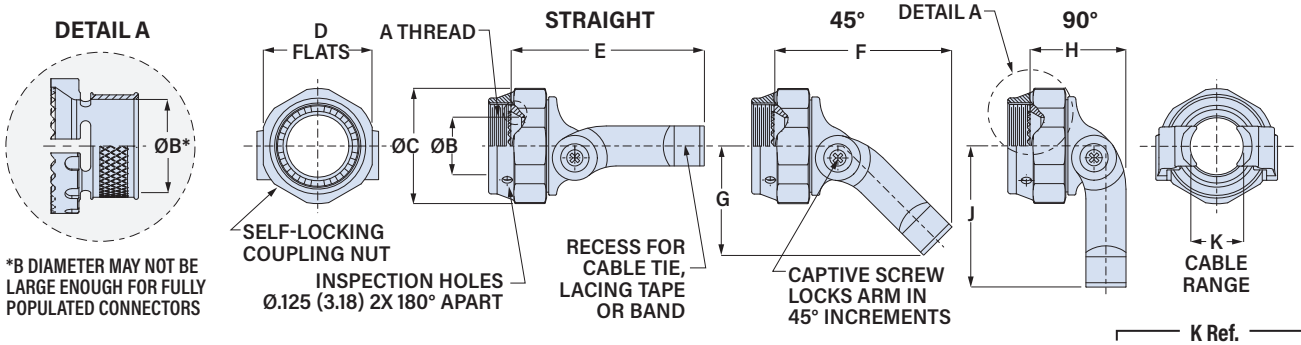
FIGURE 2
BANDING ADAPTER SLOTS



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

PART NUMBER

	871V004	ME	22	S	K
Base P/N	871V004				
Banding Adapter Material/Finish	**ME** Alum/Electroless Nickel **NF** Alum/Olive Drab Cadmium **NFS** Alum/O.D. Cadmium, selective (fig. 1) **MT** Alum/Nickel-PTFE **TZ** Alum/Tin-Zinc **BM** Brass/Electroless Nickel **BN** Brass/Olive Drab Cadmium **BNS** Brass/O.D. Cadmium, selective (fig. 1) **BMT** Brass/Nickel-PTFE				
Shell Size	**08 09 10 11 12 14 16 18 20 22 24**				
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 Micro Slim Band included With Clamp				



Shell Size	A Thread ISO Metric	øB Min* in	øB Min* mm	ø C Max in	ø C Max mm	D Flats in	D Flats mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm	H Max in	H Max mm	J Max in	J Max mm	K Ref. Max in	K Ref. Max mm	K Ref. Min in	K Ref. Min mm
08	M10 x 1.0-6H	.178	4.5	.812	20.6	.750	19.1	1.79	45.5	1.57	39.9	.87	22.1	.96	24.4	1.12	28.4	.393	10.0	.098	2.5
09	M12 x 1.0-6H	.178	4.5	.812	20.6	.750	19.1	1.79	45.5	1.57	39.9	.87	22.1	.96	24.4	1.12	28.4	.393	10.0	.098	2.5
10	M14 x 1.0-6H	.305	7.7	.938	23.8	.875	22.2	1.79	45.5	1.57	39.9	.89	22.6	.96	24.4	1.15	29.2	.455	11.6	.121	3.1
11	M15 x 1.0-6H	.305	7.7	.938	23.8	.875	22.2	1.79	45.5	1.57	39.9	.89	22.6	.96	24.4	1.15	29.2	.455	11.6	.121	3.1
12	M17 x 1.0-6H	.404	10.3	1.125	28.6	1.000	25.4	1.80	45.7	1.57	39.9	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14	M19 x 1.0-6H	.404	10.3	1.125	28.6	1.000	25.4	1.80	45.7	1.57	39.9	1.16	29.5	1.32	33.5	1.50	38.1	.598	15.2	.157	4.0
16	M22 x 1.0-6H	.565	14.4	1.250	31.8	1.125	28.6	2.08	52.8	1.88	47.8	1.16	29.5	1.32	33.5	1.50	38.1	.710	18.0	.210	5.3
18	M25 x 1.0-6H	.658	16.7	1.375	34.9	1.250	31.8	2.08	52.8	1.88	47.8	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
20	M28 x 1.0-6H	.777	19.7	1.500	38.1	1.375	34.9	2.29	58.2	2.13	54.1	1.35	34.3	1.21	30.7	1.81	46.0	.934	23.7	.277	7.0
22	M31 x 1.0-6H	.877	22.3	1.625	41.3	1.500	38.1	2.28	57.9	2.13	54.1	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0
24	M34 x 1.0-6H	.999	25.4	1.750	44.5	1.625	41.3	2.75	69.9	2.54	64.5	1.67	42.4	1.37	34.8	2.16	54.9	1.197	30.4	.349	8.9

871V004
Composite Flex-Arm Saddle Clamp with Drop-In Band Adapter

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

BANDING TOOLS AND BANDS

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

Micro Slim Band Tool
601-122

Shell Size	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro Slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter mm
8 – 12	601-061	601-601	8.125	206	.88	22.4
14 – 24	601-065	601-603	14.25	362	1.88	47.8

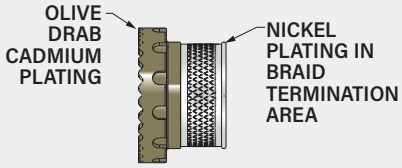
871V005
Aluminum Flex-Arm Saddle Clamp with Drop-In Band Adapter

FOR SERIES 806 MIL-AERO CONNECTORS

Adapter Code V

This accessory fits Glenair Series 806 Mil-Aero connectors

FIGURE 1
FINISH CODE *NFS*



Shielded, self-locking, adjustable arms. Thermoplastic flex arms pivot to 0°, 45° or 90° positions. includes EMI banding adapter with optional "T" slots for pigtailed individual shields. Terminate shield braid to adapter with optional Band-Master ATS® pre-coiled banding strap. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

PART NUMBER

	871V005	ME	22	S	K
Base P/N	871V005				
Material/Finish	ME Alum/Electroless Nickel NF Alum/Olive Drab Cadmium NFS Alum/O.D. Cadmium, selective (fig. 1) MT Alum/Nickel-PTFE TZ Alum/Tin-Zinc				
Shell Size	08 09 10 11 12 14 16 18 20 22 24				
Banding Adapter Slots	*Omit if not required. See Detail A.* 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 Micro Slim Band included With Clamp				

MATERIAL/FINISH

Coupling nut, body, banding adapter: aluminum
Flex arms: high-strength thermoplastic
Screws, washers, inserts: sst/passivated
Anti-decoupling springs: thermoplastic
Band (optional): stainless steel/ passivated

BANDING TOOLS AND BANDS

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.

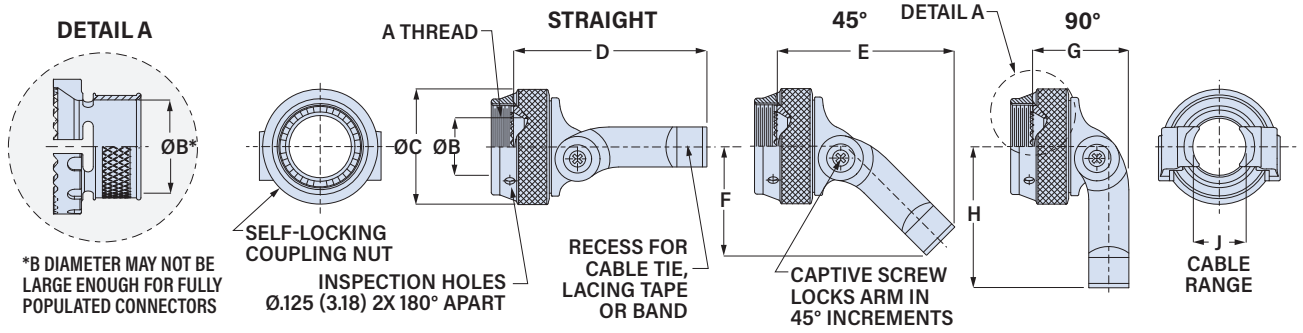

Band

Micro Band Tool
601-101

Micro Slim Band Tool
601-122

Size Code	Pre-Coiled Micro Band Part No.	Pre-Coiled Micro slim Band Part No.	Length in	Length mm	Max Diameter in	Max Diameter 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

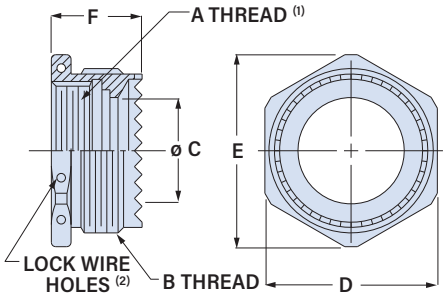
871V005
Aluminum Flex-Arm Saddle Clamp with Drop-In Band Adapter



Shell Size	A Thread ISO Metric	øB Min*		ø C Max		D Max		E Max		F Max		G Max		H Max		J Ref. Max		J Ref. Min	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
08	M10 x 1.0-6H	.178	4.5	.812	20.6	1.79	45.5	1.56	39.6	.87	22.1	.93	23.6	1.12	28.4	.393	10.0	.098	2.5
09	M12 x 1.0-6H	.178	4.5	.812	20.6	1.79	45.5	1.56	39.6	.87	22.1	.93	23.6	1.12	28.4	.393	10.0	.098	2.5
10	M14 x 1.0-6H	.305	7.7	.938	23.8	1.80	45.7	1.57	39.9	.89	22.6	.93	23.6	1.15	29.2	.455	11.6	.121	3.1
11	M15 x 1.0-6H	.305	7.7	.938	23.8	1.80	45.7	1.57	39.9	.89	22.6	.93	23.6	1.15	29.2	.455	11.6	.121	3.1
12	M17 x 1.0-6H	.404	10.3	1.125	28.6	2.08	52.8	1.88	47.8	1.10	27.9	1.05	26.7	1.44	36.6	.598	15.2	.157	4.0
14	M19 x 1.0-6H	.565	14.4	1.125	28.6	2.08	52.8	1.88	47.8	1.16	29.5	1.05	26.7	1.50	38.1	.598	15.2	.157	4.0
16	M22 x 1.0-6H	.565	14.4	1.250	31.8	2.08	52.8	1.88	47.8	1.16	29.5	1.05	26.7	1.50	38.1	.710	18.0	.210	5.3
18	M25 x 1.0-6H	.658	16.7	1.375	34.9	2.29	58.2	2.13	54.1	1.28	32.5	1.21	30.7	1.68	42.7	.839	21.3	.246	6.2
20	M28 x 1.0-6H	.777	19.7	1.500	38.1	2.28	57.9	2.13	54.1	1.35	34.3	1.21	30.7	1.81	46.0	.934	23.7	.277	7.0
22	M31 x 1.0-6H	.877	22.3	1.625	41.3	2.75	69.9	2.54	64.5	1.63	41.4	1.37	34.8	2.12	53.8	1.068	27.1	.313	8.0
24	M34 x 1.0-6H	.999	25.4	1.750	44.5	2.75	69.9	2.54	64.5	1.67	42.4	1.37	34.8	2.16	54.9	1.197	30.4	.349	8.9

327-255
Step-Up Adapter

Step-up adapter has larger rear thread than the connector, enabling attachment of oversize backshells. Use step-up adapter when wire bundle diameter exceeds the maximum for a given connector shell size. Adapter accessory thread fits backshells 1-2 shell sizes larger than the connector. Low-profile adapter has integral hex nut for easy attachment, with lockwire holes.



(1) A THREAD HAS VIBRA-TITE THREADLOCKING COMPOUND APPLIED 2 PLACES 180° APART.

(2) DELETE "W" SUFFIX FROM PART NUMBER IF LOCK WIRE HOLES ARE NOT REQUIRED.

TABLE 1 MATERIAL / FINISH

Aluminum	
M	Electroless nickel plating
MT	Nickel-PTFE plating
NF	Olive drab cadmium plating
TZ	Tin-zinc plating
ZR	Black zinc-nickel plating
Brass	
BM	Electroless nickel plating
BMT	Nickel-PTFE plating
Stainless Steel	
Z1	Passivated

Part Numbers

Adapter Code A

AS50151 crimp
AS95234
M26482 Ser. II
AS81703 Ser. 3
M83723 Ser. III

Adapter adds approx. .150 (3.8) length to the back of connector. Sizes 2228 and 2428 add .31 (7.9).

Connector	Connector Size	Backshell Size	Part Number ✳ = Matl/Finish Code from Table 1	A Thread	B Thread	øC in	øC mm	D Hex in	D Hex mm	øE in	øE mm	F in	F mm
A	08	10	327AS255✳0810W	0.500-20 UNF-2B	0.625-24 UNEF-2A	.355	9.0	.625	15.9	.698	17.7	.465	11.8
		12	327AS255✳0812W	0.500-20 UNF-2B	0.750-20 UNEF-2A	.355	9.0	.750	19.1	.837	21.3	.465	11.8
	10	12	327AS255✳1012W	0.625-24 UNEF-2B	0.750-20 UNEF-2A	.489	12.4	.750	19.1	.837	21.3	.465	11.8
		14	327AS255✳1014W	0.625-24 UNEF-2B	0.875-20 UNEF-2A	.489	12.4	.875	22.2	.977	24.8	.465	11.8
	12	14	327AS255✳1214W	0.750-20 UNEF-2B	0.875-20 UNEF-2A	.605	15.4	.875	22.2	.977	24.8	.465	11.8
		16	327AS255✳1216W	0.750-20 UNEF-2B	1.000-20 UNEF-2A	.605	15.4	1.000	25.4	1.116	28.3	.465	11.8
	14	16	327AS255✳1416W	0.875-20 UNEF-2B	1.000-20 UNEF-2A	.730	18.5	1.000	25.4	1.116	28.3	.465	11.8
		18	327AS255✳1418W	0.875-20 UNEF-2B	1.0625-18 UNEF-2A	.730	18.5	1.063	27.0	1.186	30.1	.465	11.8
	16	20	327AS255✳1620W	1.000-20 UNEF-2B	1.1875-18 UNEF-2A	.855	21.7	1.188	30.2	1.325	33.7	.465	11.8
	18	20	327AS255✳1820W	1.0625-18 UNEF-2B	1.1875-18 UNEF-2A	.906	23.0	1.188	30.2	1.325	33.7	.465	11.8
		22	327AS255✳1822W	1.0625-18 UNEF-2B	1.312-18 UNEF-2A	.906	23.0	1.313	33.4	1.465	37.2	.465	11.8
	20	22	327AS255✳2022W	1.1875-18 UNEF-2B	1.312-18 UNEF-2A	1.031	26.2	1.313	33.4	1.465	37.2	.465	11.8
		24	327AS255✳2024W	1.1875-18 UNEF-2B	1.4375-18 UNEF-2A	1.031	26.2	1.438	36.5	1.604	40.7	.465	11.8
	22	24	327AS255✳2224W	1.312-18 UNEF-2B	1.4375-18 UNEF-2A	1.156	29.4	1.438	36.5	1.604	40.7	.465	11.8
		28	327AS255✳2228W	1.312-18 UNEF-2B	1.750-18 UNS-2A	1.156	29.4	1.750	44.5	1.953	49.6	.621	15.8
	24	28	327AS255✳2428W	1.4375-18 UNEF-2B	1.750-18 UNS-2A	1.281	32.5	1.750	44.5	1.953	49.6	.621	15.8
	28	32	327AS255✳2832W	1.750-18 UNS-2B	2.000-18 UNS-2A	1.502	38.2	2.000	50.8	2.232	56.7	.621	15.8
	32	36	327AS255✳3236W	2.000-18 UNS-2B	2.250-16 UN-2A	1.752	44.5	2.250	57.2	2.511	63.8	.621	15.8
	36	40	327AS255✳3640W	2.250-16 UN-2B	2.500-16 UN-2A	1.967	50.0	2.500	63.5	2.688	68.3	.621	15.8
	40	44	327AS255✳4044W	2.500-16 UN-2B	2.750-16 UN-2A	2.182	55.4	2.750	69.9	2.956	75.1	.621	15.8
	44	48	327AS255✳4448W	2.750-16 UN-2B	3.000-16 UN-2A	2.437	61.9	3.000	76.2	3.225	81.9	.621	15.8

Adapter Code F

MIL-DTL-38999
Series I
Series II

Adapter adds approx. .150 (3.8) length to the back of connector.

* sizes 2428, 2432 and 2436: B thread fits Adapter Code A accessories. Add .375 (9.5) length.

Connector	Connector Size	Backshell Size	Part Number ✳ = Matl/Finish Code from Table 1	A Thread	B Thread	øC in	øC mm	D Hex in	D Hex mm	øE in	øE mm	F in	F mm
F	08	10	327FS255✳0810W	0.4375-28 UNEF-2B	0.5625-24 UNEF-2A	.312	7.9	.625	15.9	.698	17.7	.397	10.1
		12	327FS255✳0812W	0.4375-28 UNEF-2B	0.6875-24 UNEF-2A	.312	7.9	.750	19.1	.837	21.3	.397	10.1
	10	12	327FS255✳1012W	0.5625-24 UNEF-2B	0.6875-24 UNEF-2A	.438	11.1	.750	19.1	.837	21.3	.397	10.1
		14	327FS255✳1014W	0.5625-24 UNEF-2B	0.8125-20 UNEF-2A	.438	11.1	.875	22.2	.977	24.8	.397	10.1
	12	14	327FS255✳1214W	0.6875-24 UNEF-2B	0.8125-20 UNEF-2A	.562	14.3	.875	22.2	.977	24.8	.397	10.1
		16	327FS255✳1216W	0.6875-24 UNEF-2B	0.9375-20 UNEF-2A	.562	14.3	1.000	25.4	1.116	28.3	.397	10.1
	14	16	327FS255✳1416W	0.8125-20 UNEF-2B	0.9375-20 UNEF-2A	.688	17.5	1.000	25.4	1.116	28.3	.397	10.1
		18	327FS255✳1418W	0.8125-20 UNEF-2B	1.0625-18 UNEF-2A	.688	17.5	1.125	28.6	1.256	31.9	.397	10.1
	16	18	327FS255✳1618W	0.9375-20 UNEF-2B	1.0625-18 UNEF-2A	.812	20.6	1.125	28.6	1.256	31.9	.397	10.1
		20	327FS255✳1620W	0.9375-20 UNEF-2B	1.1875-18 UNEF-2A	.812	20.6	1.250	31.8	1.395	35.4	.397	10.1
	18	20	327FS255✳1820W	1.0625-18 UNEF-2B	1.1875-18 UNEF-2A	.938	23.8	1.250	31.8	1.395	35.4	.397	10.1
		22	327FS255✳1822W	1.0625-18 UNEF-2B	1.3125-18 UNEF-2A	.938	23.8	1.375	34.9	1.535	39.0	.397	10.1
	20	22	327FS255✳2022W	1.1875-18 UNEF-2B	1.4375-18 UNEF-2A	1.062	27.0	1.375	34.9	1.535	39.0	.397	10.1
		24	327FS255✳2024W	1.1875-18 UNEF-2B	1.4375-18 UNEF-2A	1.062	27.0	1.500	38.1	1.674	42.5	.397	10.1
	22	24	327FS255✳2224W	1.3125-18 UNEF-2B	1.4375-18 UNEF-2A	1.188	30.2	1.500	38.1	1.674	42.5	.397	10.1
	24*	28*	327FS255✳2428W	1.4375-18 UNEF-2B	1.750-18 UNS-2A*	1.312	33.3	1.750	44.5	1.953	49.6	.605	15.4
		32*	327FS255✳2432W	1.4375-18 UNEF-2B	2.000-18 UNS-2A*	1.312	33.3	2.000	50.8	2.218	56.3	.605	15.4
		36*	327FS255✳2432W	1.4375-18 UNEF-2B	2.250-16 UN-2A*	1.312	33.3	2.250	57.2	2.483	63.1	.605	15.4

327-255
Step-Up Adapter

Part Numbers

Connector	Connector Size	Backshell Size	Part Number ✳ = Matl/Finish Code from Table 1	A Thread	B Thread	øC in	øC mm	D Hex in	D Hex mm	øE in	øE mm	F in	F mm
Adapter Code H MIL-DTL-38999 Series III Series IV Adapter adds approx. .150 (3.8) length to the back of connector. Sizes 2528, 2532 and 2536 add .375 (9.5). * B thread fits Adapter Code A accessories.	09	11	327HS255✳0911W	M12X1.0-6H	M15X1.0-6g	.312	7.9	.625	15.9	.698	17.7	.397	10.1
		13	327HS255✳0913W	M12X1.0-6H	M18X1.0-6g	.312	7.9	.750	19.1	.837	21.3	.397	10.1
	11	13	327HS255✳1113W	M15X1.0-6H	M18X1.0-6g	.438	11.1	.750	19.1	.837	21.3	.397	10.1
		15	327HS255✳1115W	M15X1.0-6H	M22X1.0-6g	.438	11.1	.875	22.2	.977	24.8	.397	10.1
	13	15	327HS255✳1315W	M18X1.0-6H	M22X1.0-6g	.562	14.3	.875	22.2	.977	24.8	.397	10.1
		17	327HS255✳1317W	M18X1.0-6H	M25X1.0-6g	.562	14.3	1.000	25.4	1.116	28.3	.397	10.1
	15	17	327HS255✳1517W	M22X1.0-6H	M25X1.0-6g	.688	17.5	1.000	25.4	1.116	28.3	.397	10.1
		19	327HS255✳1519W	M22X1.0-6H	M28X1.0-6g	.688	17.5	1.125	28.6	1.256	31.9	.397	10.1
	17	19	327HS255✳1719W	M25X1.0-6H	M28X1.0-6g	.812	20.6	1.125	28.6	1.256	31.9	.397	10.1
		21	327HS255✳1721W	M25X1.0-6H	M31X1.0-6g	.812	20.6	1.250	31.8	1.395	35.4	.397	10.1
	19	21	327HS255✳1921W	M28X1.0-6H	M31X1.0-6g	.938	23.8	1.250	31.8	1.395	35.4	.397	10.1
		23	327HS255✳1923W	M28X1.0-6H	M34X1.0-6g	.938	23.8	1.375	34.9	1.535	39.0	.397	10.1
	21	23	327HS255✳2123W	M31X1.0-6H	M34X1.0-6g	1.062	27.0	1.375	34.9	1.535	39.0	.397	10.1
		25	327HS255✳2125W	M31X1.0-6H	M37X1.0-6g	1.062	27.0	1.500	38.1	1.674	42.5	.397	10.1
	23	25	327HS255✳2325W	M34X1.0-6H	M37X1.0-6g	1.188	30.2	1.500	38.1	1.674	42.5	.397	10.1
	25	28*	327HS255✳2528W	M37X1.0-6H	1.750-18 UNS-2A*	1.312	33.3	1.750	44.5	1.953	49.6	.605	15.4
		32*	327HS255✳2532W	M37X1.0-6H	2.000-18 UNS-2A*	1.312	33.3	2.000	50.8	2.218	56.3	.605	15.4
		36*	327HS255✳2536W	M37X1.0-6H	2.250-16 UN-2A*	1.312	33.3	2.250	57.2	2.483	63.1	.605	15.4
Adapter Code M Series 80 Mighty Mouse Adapter adds approx. .125 (3.2) length to the back of connector. *Size Code ** B thread fits Adapter Code A accessories. Add .245 (6.2) length.	05*	11*	327MS255✳0511W	.250-32 UNEF-2B	.375-32 UNEF-2A	.173	4.4	.438	11.1	.490	12.4	.34	8.6
	06*	07*	327MS255✳0607W	.3125-32 UNEF-2B	.4375-28 UNEF-2A	.236	6.0	.500	12.7	.560	14.2	.34	8.6
	11*	08*	327MS255✳1108W	.375-32 UNEF-2B	.500-28 UNEF-2A	.274	7.0	.563	14.3	.630	16.0	.34	8.6
	07*	09*	327MS255✳0709W	.4375-28 UNEF-2B	.5625-24 UNEF-2A	.324	8.2	.625	15.9	.700	17.8	.34	8.6
	08*	10*	327MS255✳0810W	.500-28 UNEF-2B	.625-24 UNEF-2A	.386	9.8	.688	17.5	.770	19.6	.34	8.6
		14*	327MS255✳0814W	.500-28 UNEF-2B	.9375-20 UNEF-2A	.386	9.8	1.000	25.4	1.120	28.4	.34	8.6
	09*	12*	327MS255✳0912W	.5625-24 UNEF-2B	.6875-24 UNEF-2A	.444	11.3	.750	19.1	.840	21.3	.34	8.6
	10*	13*	327MS255✳1013W	.625-24 UNEF-2B	.750-20 UNEF-2A	.513	13.0	.813	20.7	.910	23.1	.34	8.6
	12*	14*	327MS255✳1214W	.6875-24 UNEF-2B	.9375-20 UNEF-2A	.596	15.1	1.000	25.4	1.120	28.4	.34	8.6
		14**	327MS255✳12A14W	.6875-24 UNEF-2B	.875-20 UNEF-2A**	.596	15.1	.938	23.8	1.050	26.7	.46	11.7
	13*	16**	327MS255✳13A16W	.750-20 UNEF-2B	1.000-20 UNEF-2A**	.625	15.9	1.062	27.0	1.120	28.4	.46	11.7
	14*	20**	327MS255✳14A20W	.9375-20 UNEF-2B	1.1875-18 UNEF-2A**	.812	20.6	1.250	31.8	1.400	35.6	.46	11.7
	16*	22**	327MS255✳16A22W	1.0625-18 UNEF-2B	1.3125-18 UNEF-2A**	.910	23.1	1.375	34.9	1.540	39.1	.46	11.7
	17*	24**	327MS255✳17A24W	1.3125-18 UNEF-2B	1.4375-18 UNEF-2A**	1.055	26.8	1.500	38.1	1.680	42.7	.46	11.7
Adapter Code V Series 806 Adapter adds approx. .145 (3.7) length to the back of connector. * size 2425 B thread fits Adapter Code H size 25 accessories. Add .150 (3.8) length.	07	09	327VS255✳0709W	M8x 1.0-6H	M12x 1.0-6g	.215	5.5	.500	12.7	.560	14.2	.390	9.9
		10	327VS255✳0710W	M8x 1.0-6H	M14x 1.0-6g	.215	5.5	.563	14.3	.630	16.0	.390	9.9
	08	10	327VS255✳0810W	M10 x 1.0-6H	M14x 1.0-6g	.275	7.0	.563	14.3	.630	16.0	.390	9.9
		11	327VS255✳0811W	M10 x 1.0-6H	M15x 1.0-6g	.275	7.0	.625	15.9	.700	17.8	.390	9.9
	09	11	327VS255✳0911W	M12 x 1.0-6H	M15x 1.0-6g	.350	8.9	.625	15.9	.700	17.8	.390	9.9
		12	327VS255✳0912W	M12 x 1.0-6H	M17x 1.0-6g	.350	8.9	.688	17.5	.770	19.6	.390	9.9
	10	12	327VS255✳1012W	M14 x 1.0-6H	M17x 1.0-6g	.415	10.5	.688	17.5	.770	19.6	.390	9.9
		14	327VS255✳1014W	M14 x 1.0-6H	M19x 1.0-6g	.415	10.5	.750	19.1	.840	21.3	.390	9.9
	11	14	327VS255✳1114W	M15 x 1.0-6H	M19x 1.0-6g	.470	11.9	.750	19.1	.840	21.3	.390	9.9
		16	327VS255✳1116W	M15 x 1.0-6H	M22x 1.0-6g	.470	11.9	.875	22.2	.980	24.9	.390	9.9
	12	16	327VS255✳1216W	M17 x 1.0-6H	M22x 1.0-6g	.545	13.8	.875	22.2	.980	24.9	.390	9.9
		18	327VS255✳1218W	M17 x 1.0-6H	M25x 1.0-6g	.545	13.8	1.000	25.4	1.120	28.4	.390	9.9
	14	16	327VS255✳1416W	M19 x 1.0-6H	M22x 1.0-6g	.595	15.1	.875	22.2	.980	24.9	.390	9.9
		18	327VS255✳1418W	M19 x 1.0-6H	M25x 1.0-6g	.595	15.1	1.000	25.4	1.120	28.4	.390	9.9
	16	18	327VS255✳1618W	M22 x 1.0-6H	M25x 1.0-6g	.745	18.9	1.000	25.4	1.120	28.4	.390	9.9
		20	327VS255✳1620W	M22 x 1.0-6H	M28x 1.0-6g	.745	18.9	1.125	28.6	1.260	32.0	.390	9.9
	18	20	327VS255✳1820W	M25 x 1.0-6H	M28x 1.0-6g	.860	21.8	1.125	28.6	1.260	32.0	.390	9.9
		22	327VS255✳1822W	M25 x 1.0-6H	M31x 1.0-6g	.860	21.8	1.250	31.8	1.400	35.6	.390	9.9
	20	22	327VS255✳2022W	M28 x 1.0-6H	M31x 1.0-6g	.985	25.0	1.250	31.8	1.400	35.6	.390	9.9
		24	327VS255✳2024W	M28 x 1.0-6H	M34x 1.0-6g	.985	25.0	1.375	34.9	1.530	38.9	.390	9.9
	22	24	327VS255✳2224W	M31 x 1.0-6H	M34x 1.0-6g	1.075	27.3	1.375	34.9	1.530	38.9	.390	9.9
	24*	25*	327VS255✳2425W	M34 x 1.0-6H	M37x 1.0-6g*	1.220	31.0	1.500	38.1	1.670	42.4	.397	10.1

- PIGGYBACK BOOTS
- SHRINK BOOT ADAPTER WITH SHIELD SOCK
- SHRINK BOOT ADAPTER WITH DROP-IN FOLLOWER

FOR ENVIRONMENTAL APPLICATIONS

Shrink Boots and Boot Adapters with Robust Environmental Sealing and Cable Strain Relief

Swing-Arm Clamps, both saddle-clamp and flex-arm versions, are designed to provide robust cable strain relief and shield termination capabilities in non-environmental aircraft zones, such as within the empennage and vertical stabilizer or fuselage. For environmental applications, such as are found in aircraft wings, landing gear, and wheel wells, Glenair recommends conventional shrink boot adapters, environmental shrink boots, and shield sock assemblies. Booted accessories of these types provide robust environmental sealing, strain relief, and cable routing.

Glenair shrink boot solutions are available in pre-recovered "Piggyback Boot" configurations as well as discrete standalone parts in 10 optional colors.

Shielded and Non-Shielded Adapters, Shield Socks, and Shrink Boot Assemblies

310FS048 Shrink Boot Adapter, Pre-installed Boot, Composite

Fast installation, environmental, self-locking, corrosion-proof composite. 310FS048 "piggyback" shrink boot adapter fits MIL-DTL-38999 Series I and II connectors. Use with jacketed, unshielded cable. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 flexible polyolefin Adapter is glass-filled high performance thermoplastic, silicone O-ring.

319HS155 Shrink Boot Adapter, Braid Sock, Composite

Low profile, corrosion-proof, shielded. 319H*155 shrink boot adapter with braid sock fits MIL-DTL-38999 Series III and IV connectors. Adapter has 12 inches of shield braid attached to nickel-plated brass follower. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. install optional lipped shrink boot for environmental protection. Supplied as adapter only or as kit with shrink boot. Glass-filled high performance thermoplastic. Tin-plated copper crimp ring, nickel-plated brass follower, silicone O-ring. .

770-003 Lipped Straight, 45°, and 90° Environmental Shrink Boots

Lipped, straight, 45°, and 90° shrink boots provide mechanical strain relief and environmental protection from damage and debris. Standard boots are available in eight material options with five adhesive choices. Glenair shrink boots fit most standard boot adapters for circular connectors. All adhesive lined and unlined shrink books are RoHS compliant. Shrink boots are water-tight when equipped with factory-installed or user-installed adhesive. Lipped boots lock into boot groove located on adapter and can be ordered with potting holes or drain holes according to your requirements. Choose boot size based on adapter diameter and cable diameter.

310H*058 Shrink Boot Adapter, Pre-installed Boot, EMI Band Adapter

Fast installation, shielded, environmental, self-locking. 310H*058 "piggyback" shrink boot adapter fits MIL-DTL-38999 Series III and IV connectors. Use with jacketed, shielded cable. Terminate cable overbraid to EMI banding adapter with optional stainless steel microband. Piggyback boots reduce boot installation time by 50% and eliminate misalignment problems. Anti-decoupling mechanism provides audible detented coupling and prevents backoff under high vibration. Three boot materials: Type 1 high performance elastomer, Type 2 zero halogen or Type 3 flexible polyolefin Backshell, coupling nut and drop-in banding adapter are aluminum. Silicone O-ring, polyamide hot melt adhesive.

SPRING-ACTION PROTECTIVE COVERS

LEONARDO'S PROSEAL
spring-action protective covers

IP67 and IP68 environmental protective connector covers for frequent mate/demate applications in military defense / aerospace.

High-performance military and commercial interconnect applications employ protective covers to seal unmated receptacles from sand, dust, and fluid ingress, as well as other forms of environmental and mechanical damage. ProSeal spring-action environmental protective covers are attached directly to panels and electronic equipment housings to enhance the reliability and foolproof performance of mounted I/O connectors—particularly in applications that see a high number of mate/demate cycles. Spring-action ProSeal protective covers are available for every military QPL and Glenair signature connector series, and are supplied in two styles for dust, spray, and fluid immersion protection (IP67) as well as for full environmental (water jet) applications (IP68).

- **Anti-vibration and shock spring-action performance**
- **Dust- and spray-tight (IP67) and full environmental (IP68) designs with self-aligning environmental seals**
- **Jam nut and wall mount receptacle configurations**
- **Positive spring-action in closed position, locks open for convenient mate/demate**
- **Compatible with a broad range of mil-standard/ aerospace connectors including D38999 Sr. I, II, III; Mighty Mouse Sr. 801, 804, 805, Sr. 806 Mil-Aero; M24308 and more**

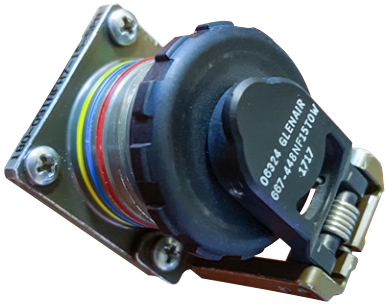
ProSeal™ environmental connector covers

For mission-critical mil-aero applications
Innovative features and benefits

ROBUST ENVIRONMENTAL SEALING

Self-aligning gimbal-action face seal

Anti-vibration and shock spring-action performance



Full environmental threaded / twist-lock seal

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ProSeal cover shares connector mounting holes and hardware

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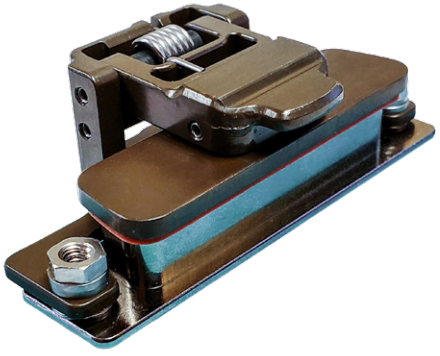

Rectangular connector designs with convenient thumb tabs

Low-profile non-locking designs for use with recessed quick-disconnect connectors

MISSION-CRITICAL

INTERCONNECT SOLUTIONS

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