

# Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

## 871A002 Swing-Arm Flex Clamp with Braid Sock, Composite

**Self-Locking**



### Adapter Code **A**

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

**TABLE 1**

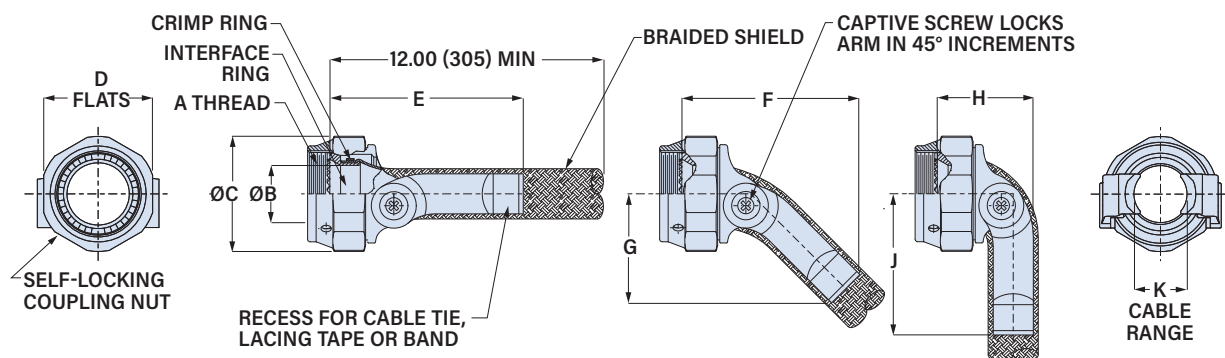
#### INTERFACE RING MATERIAL/ FINISH

| Aluminum   |                                                      |
|------------|------------------------------------------------------|
| <b>M</b>   | Electroless Nickel                                   |
| <b>NF</b>  | Olive Drab Cadmium and Electroless Nickel (Figure 1) |
| <b>MT</b>  | Nickel-PTFE                                          |
| <b>TZ</b>  | Tin-Zinc                                             |
| <b>ZR</b>  | Black Zinc-Nickel                                    |
| Brass      |                                                      |
| <b>BM</b>  | Electroless Nickel                                   |
| <b>BN</b>  | Olive Drab Cadmium and Electroless Nickel (Figure 1) |
| <b>BMT</b> | Nickel-PTFE                                          |

**Shielded. Lightweight. Self-locking. Adjustable arms.** 871A002 Swing-Arm Flex Clamp fits AS50151 crimp, AS95234, MIL-DTL-26482 Series II, and MIL-DTL-83723 Series III connectors. Adjustable arms pivot to 0°, 45° or 90° positions. Supplied with 12 inches (305 mm) of shield braid attached to metal interface ring. Braid choices include 34 AWG nickel/copper, 34 AWG tin/copper, ultralightweight AmberStrand® or microfilament nickel/SST Armorlite®. Corrosion-resistant high performance thermoplastic meets AS85049 requirements. Coupling nut has anti-decoupling mechanism for audible detented coupling and prevents backoff under high vibration.

### PART NUMBER

|                                                                     |           |           |          |          |           |
|---------------------------------------------------------------------|-----------|-----------|----------|----------|-----------|
| <b>871A002</b>                                                      | <b>BM</b> | <b>22</b> | <b>N</b> | <b>J</b> | <b>14</b> |
| <b>Base P/N</b> 871A002                                             |           |           |          |          |           |
| <b>Interface Ring Material/Finish</b> See Table 1                   |           |           |          |          |           |
| <b>Shell Size</b> 08 10 12 14 16 18 20 22 24                        |           |           |          |          |           |
| <b>Braid Type</b>                                                   |           |           |          |          |           |
| <b>N</b> 34 AWG Nickel/Copper Braid                                 |           |           |          |          |           |
| <b>T</b> 34 AWG Tin/Copper Braid                                    |           |           |          |          |           |
| <b>A</b> AmberStrand® Nickel/Composite Braid                        |           |           |          |          |           |
| <b>L</b> ArmorLite® Microfilament Nickel/SST Braid                  |           |           |          |          |           |
| <b>Splice Ring and Band</b>                                         |           |           |          |          |           |
| <b>Omit if not required</b>                                         |           |           |          |          |           |
| <b>K</b> Splice ring and standard band                              |           |           |          |          |           |
| <b>J</b> Splice ring and slim standard band                         |           |           |          |          |           |
| <b>Braid Length</b>                                                 |           |           |          |          |           |
| <b>Omit for standard 12 inch length</b>                             |           |           |          |          |           |
| <b>14</b> Length in 1 inch increments, 6 inch min "14" = 14 inches. |           |           |          |          |           |



| Shell Size | A Thread Class 2B | ø B Min in mm |      | ø C Max in mm |      | D Flats in mm |      | E Max in mm |      | F Max in mm |      | G Max in mm |      | H Max in mm |      | J Max in mm |      | K Ref.    |           |           |           |
|------------|-------------------|---------------|------|---------------|------|---------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-----------|-----------|-----------|-----------|
|            |                   |               |      |               |      |               |      |             |      |             |      |             |      |             |      |             |      | Max in mm | Min in mm | Max in mm | Min in mm |
| <b>08</b>  | 0.500-20 UNF      | .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       |
| <b>10</b>  | 0.625-24 UNF      | .365          | 9.3  | .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       |
| <b>12</b>  | 0.750-20 UNEF     | .498          | 12.6 | 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       |
| <b>14</b>  | 0.875-20 UNEF     | .575          | 14.6 | 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       |
| <b>16</b>  | 1.000-20 UNEF     | .700          | 17.8 | 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       |
| <b>18</b>  | 1.0625-18 UNEF    | .779          | 19.8 | 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       |
| <b>20</b>  | 1.1875-18 UNEF    | .904          | 23.0 | 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       |
| <b>22</b>  | 1.3125-18 UNEF    | 1.029         | 26.1 | 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       |
| <b>24</b>  | 1.4375-18 UNEF    | 1.144         | 29.1 | 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       |

# Swing-Arm® Clamps

for AS50151 Crimp, M26482 Series II, M83723 Series III, AS95234

## 871A002 Swing-Arm Flex Clamp with Braid Sock, Composite

### MATERIAL/FINISH

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

Flex arms: PEEK (PEI)/unplated, black

Screws, washers, inserts: stainless steel/passivated

Anti-decoupling spring: thermoplastic

Interface ring: brass or aluminum

Crimp ring: copper alloy/tin

Splice ring (optional): thermoplastic

Band (optional): stainless steel/passivated

Braid:

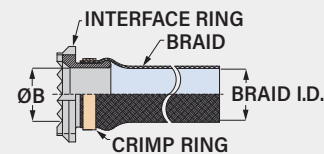
Code N: 34 AWG nickel-coated copper

Code T: 34 AWG tin-coated copper,

Code A: **AmberStrand®** ultralightweight nickel-coated polymer

Code L: **ArmorLite®** lightweight microfilament nickel-coated 316L stainless steel

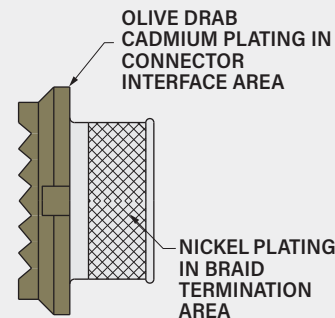
### INTERFACE RING AND BRAID



| Shell Size | ø B in | Min mm | Braid I.D. in | mm   |
|------------|--------|--------|---------------|------|
| 08         | .264   | 6.7    | .375          | 9.5  |
| 10         | .365   | 9.3    | .375          | 9.5  |
| 12         | .498   | 12.6   | .500          | 12.7 |
| 14         | .575   | 14.6   | .500          | 12.7 |
| 16         | .700   | 17.8   | .781          | 19.8 |
| 18         | .779   | 19.8   | .781          | 19.8 |
| 20         | .904   | 23.0   | 1.000         | 25.4 |
| 22         | 1.029  | 26.1   | 1.000         | 25.4 |
| 24         | 1.144  | 29.1   | 1.250         | 31.8 |

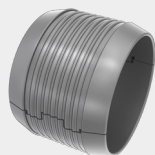
FIGURE 1

NF AND BN SELECTIVE FINISH



INTERFACE RING

### SPLICE RING AND BAND (K AND J OPTIONS)



Splice Ring



Pre-Coiled Band

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

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

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

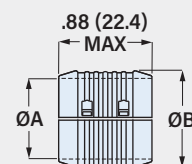


Banding Tool for Standard Band  
601-100



Banding Tool for Slim Standard Band  
601-109

| Shell Size | Splice Ring Part Number | øA ± .03 (0.8) |      | øB ± .03 (0.8) |      |
|------------|-------------------------|----------------|------|----------------|------|
|            |                         | in             | mm   | in             | mm   |
| 08         | 687-207XB04             | .25            | 6.4  | .40            | 10.2 |
| 10         | 687-207XB06             | .38            | 9.7  | .53            | 13.5 |
| 12         | 687-207XB08             | .50            | 12.7 | .65            | 16.5 |
| 14         | 687-207XB10             | .63            | 16.0 | .78            | 19.8 |
| 16         | 687-207XB12             | .75            | 19.1 | .90            | 22.9 |
| 18         | 687-207XB14             | .88            | 22.4 | 1.03           | 26.2 |
| 20         | 687-207XB16             | 1.00           | 25.4 | 1.15           | 29.2 |
| 22         | 687-207XB18             | 1.13           | 28.7 | 1.28           | 32.5 |
| 24         | 687-207XB20             | 1.25           | 31.8 | 1.40           | 35.6 |



687-207 SPLICE RING