



# 500-047 EMI/RFI Elliptical Entry Micro-D Banding Backshell



**Elliptical Backshells** provide extra room for large wire bundles. This one piece version features an oversize shield termination area for both standard and micro BandMaster™ ATS shield termination straps.

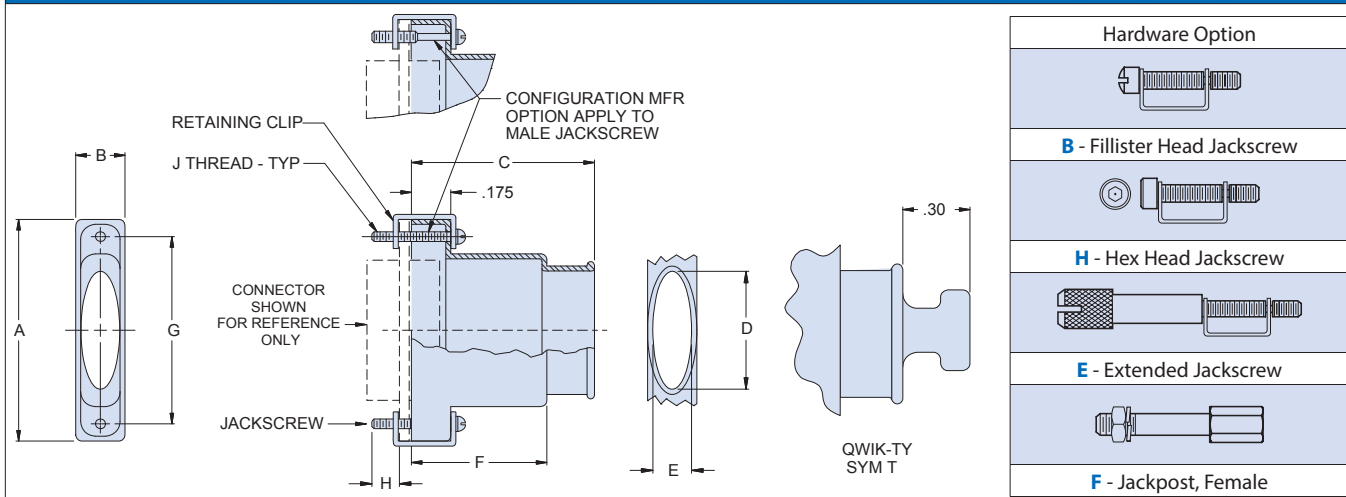
### Materials

- Shell: Aluminum Alloy 6061 -T6
- Clips: 17-7PH Stainless Steel
- Hardware: 300 Series Stainless Steel

### How To Order EMI/RFI Elliptical Backshells

|                              |   |  |                  |          |          |
|------------------------------|---|--|------------------|----------|----------|
| <b>Sample Part Number</b>    | <b>500-047</b>  | <b>M</b>   | <b>25</b>        | <b>H</b> | <b>T</b> |
| <b>Series</b>                | <b>500-047</b>  |  |                  |          |          |
| <b>Shell Finish</b>          | <b>E</b> – Chem Film (Alodyne)<br><b>M</b> – Electroless Nickel   | <b>J</b> – Cadmium, Yellow Chromate<br><b>NF</b> – Cadmium, Olive Drab | <b>Z2</b> – Gold |          |          |
| <b>Connector Size</b>        | <b>09, 15, 21, 25, 31, 37 51, 51-2, 67, 69, 100</b> (See Table I)   |  |                  |          |          |
| <b>Hardware Option</b>       | <b>B</b> – Fillister Head Jackscrew<br><b>E</b> – Extended Jackscrew  | <b>H</b> – Hex Head Jackscrew<br><b>F</b> – Jackpost, Female           | (See Table I)    |          |          |
| <b>EMI Band Strap Option</b> | <b>Omit</b> (Leave Blank) – Band Not Included<br><b>B</b> – Standard Band .250" Wide, uncoiled <b>M</b> – Micro Band .125" Wide, uncoiled |  |                  |          |          |
| <b>Qwik-Ty Option</b>        | <b>T</b> – with Qwik-Ty <b>Omit</b> for none  |  |                  |          |          |

**Table I: Dimensions**



| Size        | A     |       | B   |       | C    |       | D Dia |       | E Dia |      | F   |       | G     |       | H Ref. |      | J Thread    |
|-------------|-------|-------|-----|-------|------|-------|-------|-------|-------|------|-----|-------|-------|-------|--------|------|-------------|
|             | In.   | mm.   | In. | mm.   | In.  | mm.   | In.   | mm.   | In.   | mm.  | In. | mm.   | In.   | mm.   | In.    | mm.  |             |
| <b>09</b>   | .775  | 19.69 | .34 | 8.64  | .75  | 19.05 | .312  | 7.92  | .281  | 7.14 | .32 | 8.13  | .565  | 14.35 | .154   | 3.91 | 2-56 UNC-2A |
| <b>15</b>   | .925  | 23.50 | .34 | 8.64  | .88  | 22.35 | .420  | 10.67 | .281  | 7.14 | .44 | 11.18 | .715  | 18.16 | .154   | 3.91 | 2-56 UNC-2A |
| <b>21</b>   | 1.075 | 27.31 | .34 | 8.64  | 1.00 | 25.40 | .590  | 14.99 | .281  | 7.14 | .56 | 14.22 | .865  | 21.97 | .154   | 3.91 | 2-56 UNC-2A |
| <b>25</b>   | 1.175 | 29.85 | .34 | 8.64  | 1.06 | 26.92 | .690  | 17.53 | .281  | 7.14 | .62 | 15.75 | .965  | 24.51 | .154   | 3.91 | 2-56 UNC-2A |
| <b>31</b>   | 1.325 | 33.66 | .34 | 8.64  | 1.12 | 28.45 | .820  | 20.83 | .281  | 7.14 | .68 | 17.27 | 1.115 | 28.32 | .154   | 3.91 | 2-56 UNC-2A |
| <b>37</b>   | 1.475 | 37.47 | .34 | 8.64  | 1.16 | 29.46 | .970  | 24.64 | .281  | 7.14 | .72 | 18.29 | 1.265 | 32.13 | .154   | 3.91 | 2-56 UNC-2A |
| <b>51</b>   | 1.425 | 36.20 | .38 | 9.65  | 1.19 | 30.23 | .920  | 23.37 | .312  | 7.92 | .75 | 19.05 | 1.215 | 30.86 | .154   | 3.91 | 2-56 UNC-2A |
| <b>51-2</b> | 1.835 | 46.61 | .34 | 8.64  | 1.19 | 30.23 | 1.030 | 26.16 | .281  | 7.14 | .75 | 19.05 | 1.615 | 41.02 | .154   | 3.91 | 2-56 UNC-2A |
| <b>69</b>   | 1.730 | 43.94 | .40 | 10.16 | 1.19 | 30.23 | 1.190 | 30.23 | .312  | 7.92 | .75 | 19.05 | 1.515 | 38.48 | .154   | 3.91 | 2-56 UNC-2A |
| <b>100</b>  | 2.160 | 54.86 | .43 | 10.92 | 1.25 | 31.75 | 1.290 | 32.77 | .360  | 9.14 | .81 | 20.57 | 1.800 | 45.72 | .184   | 4.67 | 4-40 UNC-2A |