



# 507-146 Round Cable Entry Strain Relief Backshell with Saddle Bar Clamps



**507-146 Strain Relief Backshells** feature saddle bar clamps for easy installation.

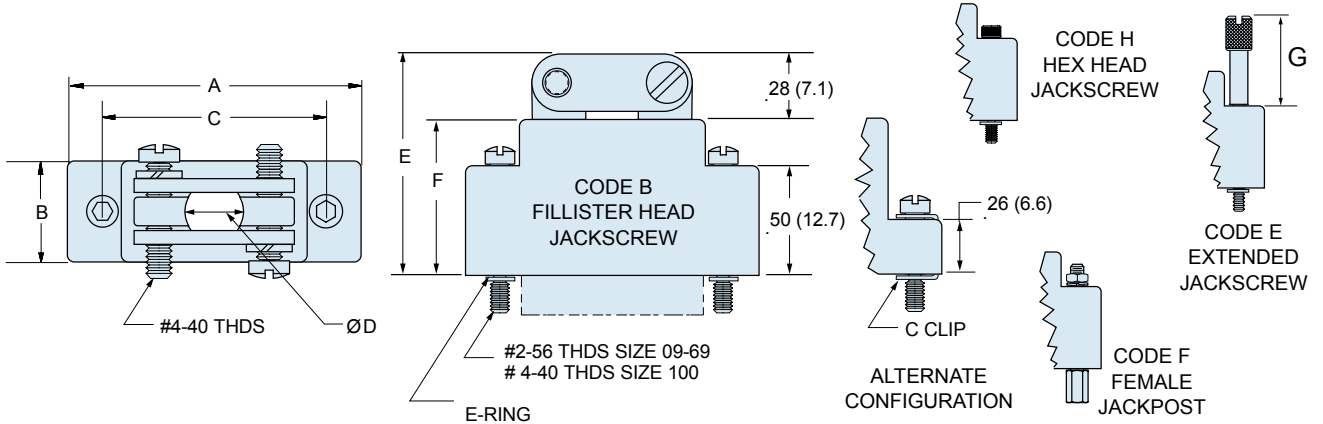
**E-Rings** attach the backshell to the Micro-D connector.

**Materials**

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

| How To Order Round Cable Strain Relief Backshells |  |                              |                        |    |     |
|---|--|------------------------------|------------------------|----|-----|
| Sample Part Number                                | 507-146  |                              | M                      | 25 | H C |
| Series  | 507-146  |                              |                        |    |     |
| Shell Finish                                      | E – Chem Film (Alodyne)  | J – Cadmium, Yellow Chromate |                        |    |     |
|   | M – Electroless Nickel   | NF – Cadmium, Olive Drab     | Z2 – Gold              |    |     |
| Connector Size                                    | 09, 15, 21, 25, 31, 37 51, 51-2, 67, 69, 100 (See Table I)   |                              |                        |    |     |
| Hardware Option                                   | OMIT – Fillister Head Jackscrew  |                              | H – Hex Head Jackscrew |    |     |
|   | E – Extended Jackscrew   |                              | F – Jackpost, Female   |    |     |
| Jackscrew Attachment Option                       | OMIT (Leave Blank) – Jackscrews Attach With E-Ring.<br>This Option Applies to Sizes 09 through 69.<br>Size 100 is Not Available with E-Ring. |                              | C – "C" Clip           |    |     |

**Table I: Dimensions**



| Size | A Max. |       | B Max. |       | C     |       | Ø D           |               | E Max. |       | F Max. |       | G Max. |       |
|------|--------|-------|--------|-------|-------|-------|---------------|---------------|--------|-------|--------|-------|--------|-------|
|      | In.    | mm.   | In.    | mm.   | In.   | mm.   | In.<br>± .010 | mm.<br>± 0.25 | In.    | mm.   | In.    | mm.   | In.    | mm.   |
| 09   | .915   | 23.24 | .450   | 11.43 | .565  | 14.35 | .160          | 4.06          | .780   | 19.81 | .550   | 13.97 | .540   | 13.72 |
| 15   | 1.065  | 27.05 | .450   | 11.43 | .715  | 18.16 | .190          | 4.83          | .830   | 21.08 | .600   | 15.24 | .590   | 14.99 |
| 21   | 1.215  | 30.86 | .450   | 11.43 | .865  | 21.97 | .220          | 5.59          | .940   | 23.88 | .650   | 16.51 | .700   | 17.78 |
| 25   | 1.315  | 33.40 | .450   | 11.43 | .965  | 24.51 | .260          | 6.60          | .990   | 25.15 | .700   | 17.78 | .740   | 18.80 |
| 31   | 1.465  | 37.21 | .450   | 11.43 | 1.115 | 28.32 | .275          | 6.99          | 1.030  | 26.16 | .740   | 18.80 | .790   | 20.07 |
| 37   | 1.615  | 41.02 | .450   | 11.43 | 1.265 | 32.13 | .285          | 7.24          | 1.070  | 27.18 | .780   | 19.81 | .830   | 21.08 |
| 51   | 1.565  | 39.75 | .495   | 12.57 | 1.215 | 30.86 | .350          | 8.89          | 1.150  | 29.21 | .860   | 21.84 | .910   | 23.11 |
| 51-2 | 1.965  | 49.81 | .450   | 11.43 | 1.615 | 41.02 | .285          | 7.24          | 1.150  | 29.21 | .860   | 21.84 | .910   | 23.11 |
| 67   | 2.365  | 60.07 | .450   | 11.43 | 2.015 | 51.18 | .285          | 7.24          | 1.150  | 29.21 | .860   | 21.84 | .910   | 23.11 |
| 69   | 2.265  | 57.53 | .495   | 12.57 | 1.515 | 38.48 | .350          | 8.89          | 1.150  | 29.21 | .860   | 21.84 | .910   | 23.11 |
| 100  | 2.305  | 58.55 | .540   | 13.72 | 1.800 | 45.72 | .530          | 13.46         | 1.210  | 30.73 | .930   | 23.62 | .970   | 24.63 |



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