

# Series 970 PowerTrip™ Connectors and Accessories

## 780-001 Bean Rubber Covers




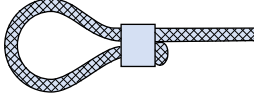

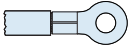
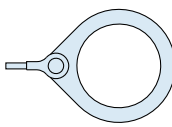
### RUBBER COVERS FOR SERIES 970 CONNECTORS



These *splashproof molded rubber covers* fit Series 970 plugs and receptacles. Braided black nylon lanyard is available with metal rings, cable tie or slipknot for attachment to panel or to cable. -40° to +120° C operating temperature.

| MATERIALS       |                               |
|-----------------|-------------------------------|
| Cover           | SBR rubber blend, black       |
| Lanyard         | .094 (2.4) nylon cord, black  |
| Cable Tie       | Nylon, black, SST locking tab |
| Attachment Ring | Stainless steel               |
| Friction Sleeve | Kynar                         |
| Crimp Ring      | Copper alloy, tin plated      |

### HOW TO ORDER

| SERIES                      | SIZE                      | LANYARD TYPE | LANYARD LENGTH                      | ATTACHMENT CODE  | MATERIAL   |
|-----------------------------|---------------------------|--------------|-------------------------------------|--|--|
| 780-001<br>Plug Cover       | 780-001 Plug Covers       |              | Length in Inches<br>± 1 (25.4) Inch | <br><b>-WS</b><br>Nylon Cable Tie, 1.77 Inch (45mm) Maximum Wire Bundle Diameter   | Omit for Standard SBR Rubber<br><br><b>C</b><br>Optional Conductive Rubber   |
|                             | Size Code                 | Shell Size   |                                     |  |  |
|                             | -19                       | 18           |                                     |  |  |
|                             | -22                       | 20           |                                     |  |  |
|                             | -25                       | 24           |                                     |  |  |
|                             | -32                       | 28           |                                     |  |  |
|                             | -36                       | 32           |                                     |  |  |
|                             | -38                       | 36           |                                     |  |  |
| 780-002<br>Receptacle Cover | 780-002 Receptacle Covers |              |                                     | <br><b>-SK</b><br>Adjustable Slip Knot with Friction Sleeve. The sleeve can be crimped with pliers for a permanent attachment. |  |
|                             | Size Code                 | Shell Size   |                                     |  |  |
|                             | -14                       | 18           |                                     |  |  |
|                             | -16                       | 20           |                                     |  |  |
|                             | -22                       | 24           |                                     |  |  |
|                             | -24                       | 28           |                                     |  |  |
|                             | -27                       | 32           |                                     |  |  |
|                             | -32                       | 36           |                                     |  |  |
| -36                         | 40                        |              |                                     |  |  |
|                             |                           |              |                                     | <br><b>-00</b><br>Lanyard With No Attachment (Fused End)   |  |
|                             |                           |              |                                     | <b>Ring Terminals and Solid Rings</b>  |  |
|                             |                           |              |                                     | <br>Ring Terminal   | <b>-06</b> – .125 (3.2) I.D.<br><b>-09</b> – .156 (3.9) I.D.<br><b>-03</b> – .191 (4.9) I.D.   |
|                             |                           |              |                                     | <br>Solid Ring  | <b>-19</b> – 1.140 (29.0) I.D.<br><b>-21</b> – 1.265 (32.1) I.D.<br><b>-23</b> – 1.453 (36.9) I.D.<br><b>-27</b> – 1.640 (41.7) I.D.<br><b>-30</b> – 1.875 (47.6) I.D.<br><b>-31</b> – 1.953 (49.6) I.D.<br><b>-33</b> – 2.077 (52.8) I.D.<br><b>-35</b> – 2.140 (54.4) I.D.<br><b>-40</b> – 2.406 (61.1) I.D.<br><b>-44</b> – 2.656 (67.5) I.D. |
| <b>Sample Part Number</b>   |                           |              |                                     |  |  |
| 780-001                     | -19                       | G            | 5                                   | -SK  |  |

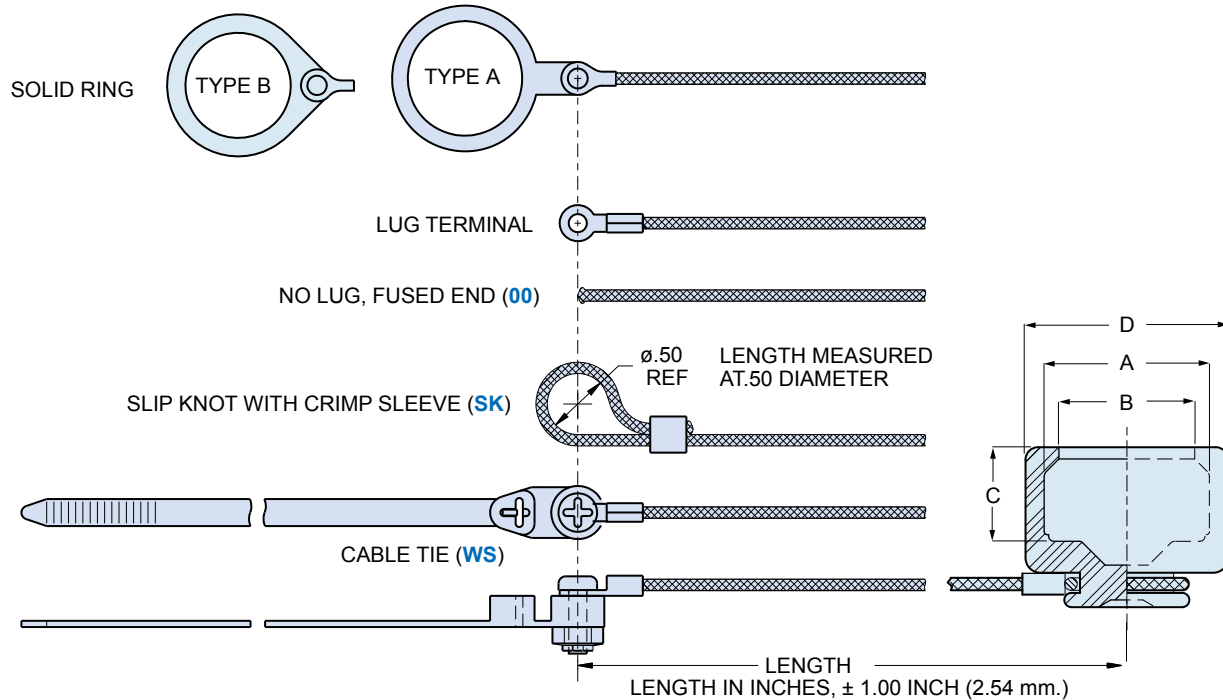


# Series 970 PowerTrip™ Connectors and Accessories

## Accessories

### 780-001 Bean Rubber Covers

#### RUBBER COVERS



#### 780-001 AND 780-002 DIMENSIONS

| Shell Size | Type       | Part Number | A Dia. |       | B Dia. |       | C Typ. |       | D Dia. |       |
|------------|------------|-------------|--------|-------|--------|-------|--------|-------|--------|-------|
|            |            |             | In.    | mm.   | In.    | mm.   | In.    | mm.   | In.    | mm.   |
| 18         | Plug       | 780-001-19  | 1.58   | 40.13 | 1.36   | 34.54 | 1.25   | 31.75 | 2.18   | 55.37 |
|            | Receptacle | 780-002-13  | 1.22   | 30.99 | 1.00   | 25.40 | .63    | 16.00 | 1.68   | 42.67 |
| 20         | Plug       | 780-001-22  | 1.68   | 42.67 | 1.44   | 36.58 | 1.25   | 31.75 | 2.31   | 58.67 |
|            | Receptacle | 780-002-16  | 1.31   | 33.27 | 1.09   | 27.69 | .63    | 16.00 | 1.81   | 45.97 |
| 24         | Plug       | 780-001-25  | 1.96   | 49.78 | 1.74   | 44.20 | 1.25   | 31.75 | 2.68   | 68.07 |
|            | Receptacle | 780-002-22  | 1.68   | 42.67 | 1.46   | 37.08 | .63    | 16.00 | 2.31   | 58.67 |
| 28         | Plug       | 780-001-32  | 2.31   | 58.67 | 2.13   | 54.10 | 1.25   | 31.75 | 2.98   | 75.69 |
|            | Receptacle | 780-002-24  | 1.80   | 45.72 | 1.59   | 40.39 | .69    | 17.53 | 2.43   | 61.72 |
| 32         | Plug       | 780-001-36  | 2.56   | 65.02 | 2.32   | 58.93 | 1.25   | 31.75 | 3.21   | 81.53 |
|            | Receptacle | 780-002-27  | 2.16   | 54.86 | 1.75   | 44.45 | .69    | 17.53 | 2.58   | 65.53 |
| 36         | Plug       | 780-001-38  | 2.76   | 70.10 | 2.50   | 63.50 | 1.25   | 31.75 | 3.21   | 81.53 |
|            | Receptacle | 780-002-32  | 2.31   | 58.67 | 2.13   | 54.10 | .69    | 17.53 | 2.98   | 75.69 |
| 40         | Plug       | 780-001-44  | 3.06   | 77.72 | 2.84   | 72.14 | 1.56   | 39.62 | 3.58   | 90.93 |
|            | Receptacle | 780-002-36  | 2.56   | 65.02 | 2.32   | 58.93 | .69    | 17.53 | 3.21   | 81.53 |

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#### RUBBER COVERS FOR SERIES 970 CONNECTORS

##### RING FOR ATTACHING UNDER JAM NUT RECEPTACLE

ATTACHMENT RING FITS UNDER JAM NUT

PANEL

| Ring Code | Shell Size | Jam Nut Thd. | Ring I.D. |
|-----------|------------|--------------|-----------|
| -21       | 18         | 1.250        | 1.265     |
| -23       | 20         | 1.4375       | 1.453     |
| -27       | 24         | 1.625        | 1.640     |
| -31       | 28         | 1.9375       | 1.953     |
| -35       | 32         | 2.125        | 2.140     |
| -40       | 36         | 2.375        | 2.406     |
| -44       | 40         | 2.625        | 2.656     |

##### RING FOR ATTACHING OVER ACCESSORY THREAD

| Ring Code | Shell Size | Access. Thd. | Ring I.D. |
|-----------|------------|--------------|-----------|
| -19       | 18         | 1.125        | 1.140     |
| -21       | 20         | 1.250        | 1.265     |
| -23       | 24         | 1.500        | 1.453     |
| -30       | 28         | 1.750        | 1.875     |
| -33       | 32         | 2.000        | 2.077     |
| -40       | 36         | 2.250        | 2.406     |
| -44       | 40         | 2.500        | 2.656     |

#### RING STYLES



Style A Solid Ring



Style B Solid Ring



Ring Terminal



Split Ring

#### RING REFERENCE TABLE (IN ASCENDING DIAMETER ORDER)

| Code | Ring Type          | I.D.       | Code | Ring Type          | I.D.        | Code | Ring Type          | I.D.        | Code | Ring Type          | I.D.        |
|------|--------------------|------------|------|--------------------|-------------|------|--------------------|-------------|------|--------------------|-------------|
|      |                    | In. mm.    |      |                    | In. mm.     |      |                    | In. mm.     |      |                    | In. mm.     |
| 00   | No Fitting         | -          | 13   | Solid Ring Style B | .765 19.43  | 21   | Solid Ring Style B | 1.265 32.13 | 78   | Split Ring         | 1.875 47.63 |
| 06   | Ring terminal      | .125 3.18  | 105  | Solid Ring Style A | .766 19.46  | 109  | Solid Ring Style A | 1.266 32.16 | 30   | Solid Ring Style B | 1.890 48.01 |
| 01   | Ring terminal      | .145 3.68  | 205  | Solid Ring Style A | .788 20.02  | 209  | Solid Ring Style A | 1.312 33.32 | 114  | Solid Ring Style A | 1.891 48.03 |
| 09   | Ring terminal      | .156 3.96  | 14   | Solid Ring Style B | .844 21.44  | 22   | Solid Ring Style B | 1.343 34.11 | 214  | Solid Ring Style A | 1.938 49.23 |
| 05   | Ring terminal      | .167 4.24  | 15   | Solid Ring Style B | .890 22.61  | 68   | Split Ring         | 1.350 34.29 | 31   | Solid Ring Style B | 1.953 49.61 |
| 02   | Ring terminal      | .182 4.62  | 58   | Split Ring         | .890 22.61  | 70   | Split Ring         | 1.375 34.93 | 32   | Solid Ring Style B | 1.968 49.99 |
| 03   | Ring terminal      | .191 4.85  | 106  | Solid Ring Style A | .896 22.76  | 110  | Solid Ring Style A | 1.391 35.33 | 80   | Split Ring         | 1.980 50.29 |
| 04   | Ring terminal      | .197 5.00  | 206  | Solid Ring Style A | .907 23.04  | 210  | Solid Ring Style A | 1.438 36.53 | 82   | Split Ring         | 2.060 52.32 |
| 07   | Ring terminal      | .218 5.54  | 16   | Solid Ring Style B | .968 24.59  | 23   | Solid Ring Style B | 1.453 36.91 | 33   | Solid Ring Style B | 2.077 52.76 |
| 095  | Solid Ring Style A | .312 7.92  | 17   | Solid Ring Style B | 1.015 25.78 | 24   | Solid Ring Style B | 1.484 37.69 | 115  | Solid Ring Style A | 2.078 52.78 |
| 100  | Solid Ring Style A | .391 9.93  | 60   | Split Ring         | 1.015 25.78 | 72   | Split Ring         | 1.485 37.72 | 35   | Solid Ring Style B | 2.140 54.36 |
| 50   | Split Ring         | .425 10.80 | 107  | Solid Ring Style A | 1.016 25.81 | 111  | Solid Ring Style A | 1.521 38.63 | 36   | Solid Ring Style B | 2.187 55.55 |
| 08   | Solid Ring Style B | .468 11.89 | 207  | Solid Ring Style A | 1.025 26.04 | 211  | Solid Ring Style A | 1.536 39.01 | 84   | Split Ring         | 2.235 56.77 |
| 52   | Split Ring         | .485 12.32 | 18   | Solid Ring Style B | 1.093 27.76 | 25   | Solid Ring Style B | 1.577 40.06 | 86   | Split Ring         | 2.310 58.67 |
| 101  | Solid Ring Style A | .516 13.11 | 62   | Split Ring         | 1.095 27.81 | 74   | Split Ring         | 1.625 41.28 | 116  | Solid Ring Style A | 2.406 61.11 |
| 102  | Solid Ring Style A | .583 14.81 | 64   | Split Ring         | 1.130 28.70 | 27   | Solid Ring Style B | 1.640 41.66 | 40   | Solid Ring Style B | 2.406 61.11 |
| 10   | Solid Ring Style B | .593 15.06 | 19   | Solid Ring Style B | 1.140 28.96 | 112  | Solid Ring Style A | 1.641 41.68 | 88   | Split Ring         | 2.475 62.87 |
| 54   | Split Ring         | .640 16.26 | 108  | Solid Ring Style A | 1.141 28.98 | 28   | Solid Ring Style B | 1.687 42.85 | 117  | Solid Ring Style A | 2.510 63.75 |
| 103  | Solid Ring Style A | .641 16.28 | 308  | Solid Ring Style A | 1.188 30.18 | 76   | Split Ring         | 1.750 44.45 | 90   | Split Ring         | 2.655 67.44 |
| 104  | Solid Ring Style A | .708 17.98 | 208  | Solid Ring Style A | 1.203 30.56 | 29   | Solid Ring Style B | 1.765 44.83 | 44   | Solid Ring Style B | 2.656 67.46 |
| 12   | Solid Ring Style B | .718 18.24 | 20   | Solid Ring Style B | 1.203 30.56 | 113  | Solid Ring Style A | 1.766 44.86 | 92   | Split Ring         | 2.810 71.37 |
| 56   | Split Ring         | .750 19.05 | 66   | Split Ring         | 1.250 31.75 | 213  | Solid Ring Style A | 1.812 46.02 | 48   | Solid Ring Style B | 3.031 76.99 |
|      |                    |            |      |                    |             |      |                    |             | 94   | Split Ring         | 3.045 77.34 |