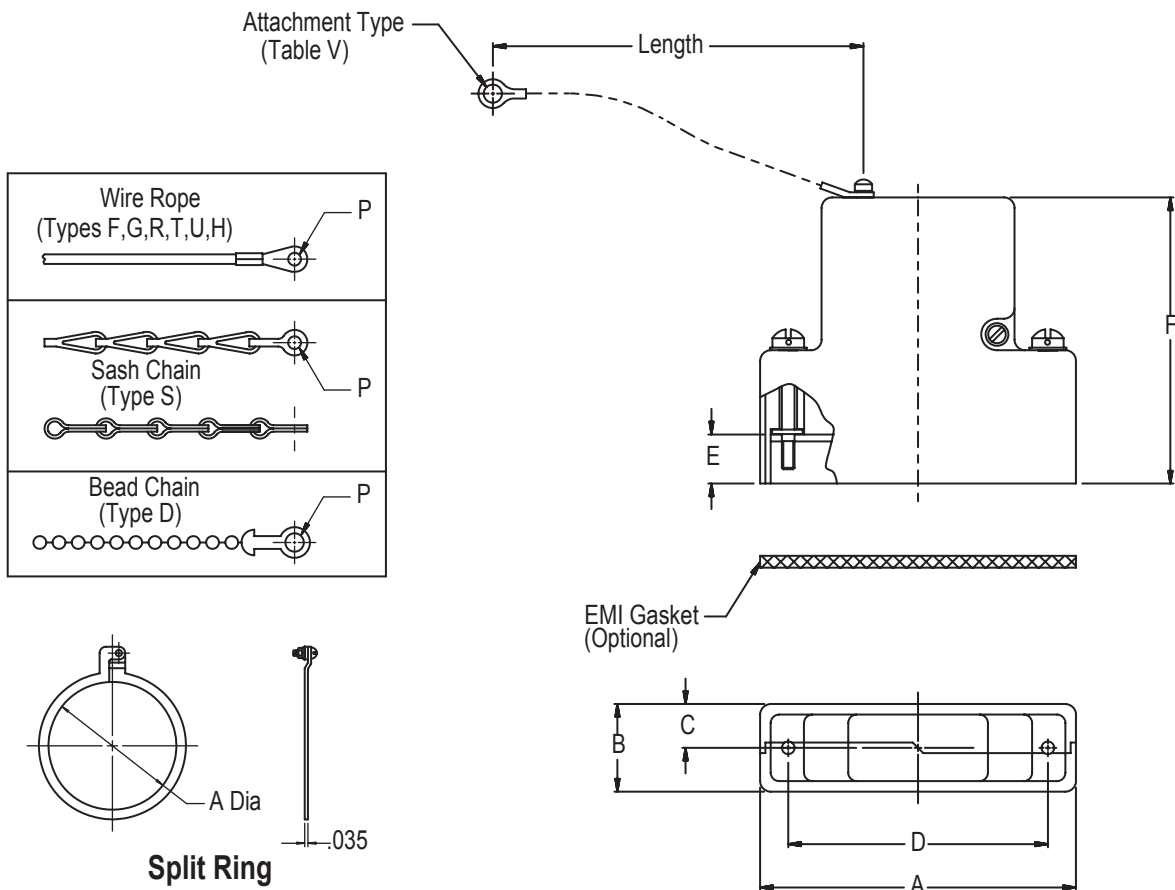




# 550-200 D-Subminiature Shorting Cap Split Backshells

Basic Part No. \_\_\_\_\_ 550-200 M 2 F0 B 1 S 5-04 \_\_\_\_\_  
 Finish Symbol (Table III) \_\_\_\_\_  
 Shell Size \_\_\_\_\_

Eyelet Dash Number (Table IV) or Split Ring  
 Dash Number (Table VI); Omit for None  
 Attachment length in Inches, Omit for None  
 Attachment Type (Table V), Omit for None  
 0 = Without EMI Gasket  
 1 = With EMI Gasket, or Omit for None  
 Jackscrew Type (See Page A-4)  
 Receptacle Mounting  
 CC = Cable-to-Cable Mounting  
 F0 = Front Mounting  
 R1-R9 = Rear Mounting



# 550-200 D-Subminiature Shorting Cap Split Backshells



MIL-DTL-24308  
D-Subminiature

**TABLE I: Common Backshell Dimensions**

| Dash No. | A Max        | B Max       | C           | D<br>± .005 (0.13) |
|----------|--------------|-------------|-------------|--------------------|
| 1        | 1.393 (35.4) | .624 (15.8) | .322 (8.2)  | .984 (25.0)        |
| 2        | 1.706 (43.4) | .624 (15.8) | .322 (8.2)  | 1.312 (33.3)       |
| 3        | 2.265 (57.5) | .624 (15.8) | .322 (8.2)  | 1.852 (47.0)       |
| 4        | 2.900 (73.7) | .624 (15.8) | .322 (8.2)  | 2.500 (63.5)       |
| 5        | 2.800 (71.1) | .735 (18.7) | .375 (9.5)  | 2.406 (61.1)       |
| 6        | 2.900 (73.7) | .844 (21.4) | .422 (10.7) | 2.500 (63.5)       |

**TABLE II: Cable Mounting Dimensions**

| Dash No. | Panel Thickness | E          | F            |              |              |
|----------|-----------------|------------|--------------|--------------|--------------|
|          |                 |            | Sizes 1 & 2  | Sizes 3 to 5 | Size 6       |
| CC       | N/A             | .174 (4.4) | 1.451 (36.9) | 1.671 (42.4) | 1.820 (46.2) |
| F0       | N/A             | .343 (8.7) | 1.625 (41.3) | 1.844 (46.8) | 2.000 (50.8) |
| R1       | .031 (0.8)      | .247 (6.3) | 1.525 (38.7) | 1.745 (44.3) | 1.890 (48.0) |
| R2       | .047 (1.2)      | .231 (5.9) | 1.509 (38.3) | 1.728 (43.9) | 1.875 (47.6) |
| R3       | .062 (1.6)      | .216 (5.5) | 1.500 (38.1) | 1.720 (43.7) | 1.860 (47.2) |
| R4       | .093 (2.4)      | .185 (4.7) | 1.470 (37.3) | 1.690 (42.9) | 1.829 (46.5) |
| R5       | .104 (2.6)      | .174 (4.4) | 1.451 (36.9) | 1.671 (42.4) | 1.820 (46.2) |
| R6       | .125 (3.2)      | .153 (3.9) | 1.430 (36.3) | 1.650 (41.9) | 1.798 (45.7) |
| R7       | .156 (4.0)      | .125 (3.2) | 1.400 (35.6) | 1.620 (41.1) | 1.767 (44.9) |
| R8       | .135 (3.4)      | .140 (3.6) | 1.417 (36.0) | 2.637 (41.6) | 1.805 (45.8) |
| R9       | .188 (4.8)      | .094 (2.4) | 1.368 (34.7) | 2.590 (40.4) | 1.740 (44.2) |

**TABLE III: Finishes**

| Symbol | Description                                                       |
|--------|-------------------------------------------------------------------|
| A      | Cadmium Plate/Bright Dip                                          |
| B      | Cadmium Plate/Olive Drab                                          |
| J      | Gold Iridite over Cadmium Plate over Nickel                       |
| M      | Electroless Nickel                                                |
| N      | Cadmium Plate/Olive Drab over Nickel                              |
| NF     | Cadmium/Olive Drab over Electroless Nickel (1,000 Hr. Salt Spray) |
| T      | Cadmium Plate/Bright Dip over Nickel                              |
| Y      | Gold Iridite over Cadmium Plate                                   |

**TABLE IV: Attachment Diameter P**

| Dash No. | P Dia<br>± .010 (0.25) |
|----------|------------------------|
| 01       | .140 (3.6)             |
| 02       | .182 (4.6)             |
| 03       | .191 (4.9)             |
| 04       | .197 (5.0)             |
| 05       | .167 (4.2)             |
| 06       | .125 (3.2)             |
| 07       | .218 (5.5)             |
| 09       | .156 (4.0)             |
| 00       | No Eyelet              |

**TABLE V: Attachment Options**

| Symbol | Description                     |
|--------|---------------------------------|
| D      | Bead Chain, CRES, Passivated    |
| F      | Wire Rope, Nylon Jacket         |
| G      | Nylon Rope                      |
| H      | Wire Rope, Teflon Jacket        |
| R      | Wire Rope, PVC Jacket           |
| T      | Wire Rope, No Jacket            |
| S      | #8 Sash Chain, CRES, Passivated |
| U      | Wire Rope, Polyurethane Jacket  |

**TABLE VI: Split Ring Diameter and Maximum Mandrel Diameter**

| Dash No. | A Dia        | Max Mandrel Dia<br>(See Note 3) |
|----------|--------------|---------------------------------|
| 50       | .425 (10.8)  | .410 (10.4)                     |
| 52       | .485 (12.3)  | .470 (11.9)                     |
| 54       | .640 (16.3)  | .625 (15.9)                     |
| 56       | .750 (19.1)  | .735 (18.7)                     |
| 58       | .890 (22.6)  | .875 (22.2)                     |
| 60       | 1.015 (25.8) | 1.000 (25.4)                    |
| 62       | 1.095 (27.8) | 1.080 (27.4)                    |
| 64       | 1.130 (28.7) | 1.115 (28.3)                    |
| 66       | 1.250 (31.8) | 1.235 (31.4)                    |
| 68       | 1.350 (34.3) | 1.335 (33.9)                    |
| 70       | 1.375 (34.9) | 1.360 (34.5)                    |
| 72       | 1.485 (37.7) | 1.470 (37.3)                    |
| 74       | 1.625 (41.3) | 1.610 (40.9)                    |
| 76       | 1.750 (44.5) | 1.735 (44.1)                    |
| 78       | 1.875 (47.6) | 1.860 (47.2)                    |
| 80       | 1.980 (50.3) | 1.965 (49.9)                    |
| 82       | 2.060 (52.3) | 2.045 (51.9)                    |
| 84       | 2.235 (56.8) | 2.220 (56.4)                    |
| 86       | 2.310 (58.7) | 2.295 (58.3)                    |
| 88       | 2.475 (62.9) | 2.460 (62.5)                    |
| 90       | 2.655 (67.4) | 2.640 (67.1)                    |
| 92       | 2.810 (71.4) | 2.795 (71.0)                    |
| 94       | 3.045 (77.3) | 3.030 (77.0)                    |

1. Metric dimensions (mm) are indicated in parentheses.
2. **DO NOT USE CONNECTORS WITH FLOAT MOUNTINGS.**
3. Maximum recommended diameter of Mandrel over which assembled ring will rotate freely.