



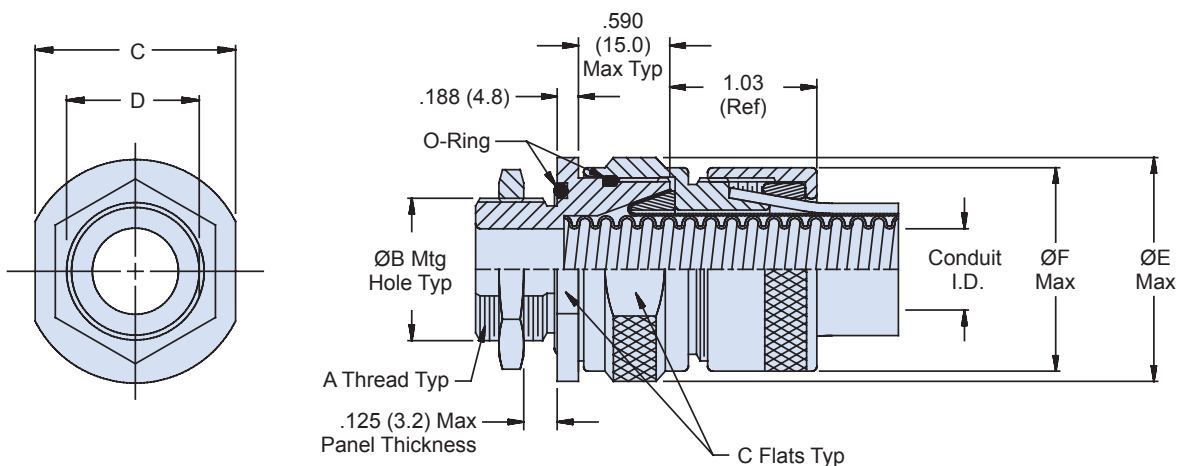
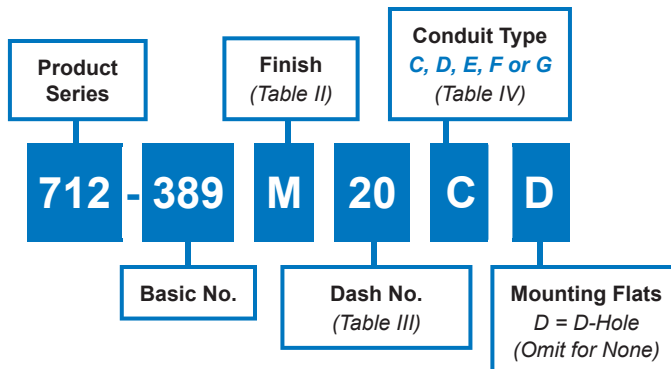
712-389

# Heavy-Duty Ground Ring System Bulkhead Fitting with Ground Ring Shield Termination for Series 74 Helical Convulated Tubing

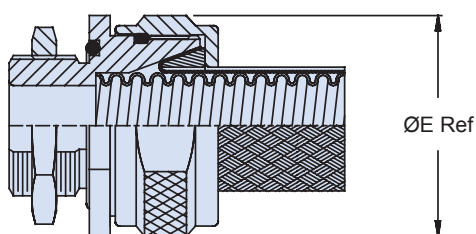
## Heavy-Duty convoluted tubing-to-bulkhead fitting



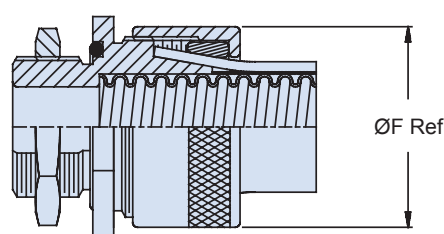
### How To Order



**Types C & F  
Environmental**



**Types D, & E  
Non-Environmental**



**Type G  
Environmental**

### Material/Finish

- Adapters, hex nuts, nuts, ferrules: See Table II
- O-Rings: Silicone/N.A.

**712-389**  
**Heavy-Duty Ground Ring System**  
**Bulkhead Fitting with Ground Ring**  
**Shield Termination for Series 74 Helical Convolute Tubing**



**Table III: Dash No./Dimensions**

| Dash No. | Conduit ID   |              | A Thread Class 2A | Ø B +.03 (0.8) -.00 (0.0) | C Across Flat | D +.000 -.015 | Ø E Max     | Ø F Max     |
|----------|--------------|--------------|-------------------|---------------------------|---------------|---------------|-------------|-------------|
|          | Min          | Max          |                   |                           |               |               |             |             |
| 06       | .181 (4.6)   | .188 (4.8)   | 7/16 - 28 UNEF    | .440 (11.2)               | .937 (23.8)   | .375 (9.5)    | 1.09 (27.7) | .780 (19.8) |
| 09       | .273 (6.9)   | .281 (7.1)   | 9/16 - 24 UNEF    | .560 (14.2)               | 1.00 (25.4)   | .500 (12.7)   | 1.16 (29.5) | 1.03 (26.2) |
| 10       | .306 (7.8)   | .312 (7.9)   | 9/16 - 24 UNEF    | .560 (14.2)               | 1.06 (27.0)   | .500 (12.7)   | 1.22 (31.0) | 1.03 (26.2) |
| 12       | .359 (9.1)   | .375 (9.5)   | 5/8 - 24 UNEF     | .630 (16.0)               | 1.13 (28.6)   | .563 (14.3)   | 1.28 (32.5) | 1.03 (26.2) |
| 14       | .427 (10.8)  | .437 (11.1)  | 11/16 - 24 UNEF   | .690 (17.5)               | 1.19 (30.1)   | .625 (15.9)   | 1.34 (34.0) | 1.22 (31.0) |
| 16       | .480 (12.2)  | .500 (12.7)  | 3/4 - 20 UNEF     | .750 (19.1)               | 1.25 (31.8)   | .688 (17.5)   | 1.41 (35.8) | 1.28 (32.5) |
| 20       | .603 (16.0)  | .625 (15.9)  | 7/8 - 20 UNEF     | .880 (22.4)               | 1.38 (34.9)   | .812 (20.6)   | 1.53 (38.9) | 1.41 (35.8) |
| 24       | .725 (18.4)  | .750 (19.1)  | 1 - 20 UNEF       | 1.00 (25.4)               | 1.50 (38.1)   | .938 (23.8)   | 1.66 (42.2) | 1.53 (38.9) |
| 28       | .860 (21.8)  | .875 (22.2)  | 1 3/16 - 18 UNEF  | 1.19 (30.2)               | 1.63 (41.3)   | 1.130 (28.6)  | 1.78 (45.2) | 1.71 (43.4) |
| 32       | .970 (24.6)  | 1.000 (25.4) | 1 5/16 - 18 UNEF  | 1.31 (33.3)               | 1.75 (44.5)   | 1.250 (31.8)  | 1.91 (48.5) | 1.84 (46.7) |
| 40       | 1.205 (30.6) | 1.250 (31.8) | 1 1/2 - 18 UNEF   | 1.50 (38.1)               | 2.13 (54.0)   | 1.440 (36.5)  | 2.28 (57.9) | 2.16 (54.9) |
| 48       | 1.437 (36.5) | 1.500 (38.1) | 1 3/4 - 18 UNS    | 1.75 (44.5)               | 2.44 (61.9)   | 1.690 (42.9)  | 2.59 (65.8) | 2.46 (62.5) |
| 56       | 1.688 (42.9) | 1.750 (44.5) | 2 - 18 UNS        | 2.00 (50.8)               | 2.75 (69.9)   | 1.940 (49.2)  | 2.91 (73.9) | 2.78 (70.6) |
| 64       | 1.937 (49.2) | 2.000 (50.8) | 2 1/4 - 16 UN     | 2.25 (57.2)               | 2.88 (73.0)   | 2.190 (55.6)  | 3.03 (77.0) | 3.03 (77.0) |

**Table II: Finish**

| Sym | Material       | Finish Description                                                          |
|-----|----------------|-----------------------------------------------------------------------------|
| B   | AL Alloy       | Olive Drab over Cadmium Plate                                               |
| J   |                | Gold Iridite over Cadmiup Plate over Nickel                                 |
| M   |                | Electroless Nickel                                                          |
| N   |                | Olive Drab over Cadmium Plate over Nickel                                   |
| NC  |                | Zinc-Cobalt, Olive Drab                                                     |
| NF  |                | Olive Drab over Cadmium Plate over Electroless Nickel (500 Hour Salt Spray) |
| T   |                | Bright Dip Cadmium Plate over Nickel                                        |
| Z1  | 300 Series SST | Passivate                                                                   |

**Table IV: Conduit Type**

| Conduit Type | Part Number | Configuration                              |
|--------------|-------------|--------------------------------------------|
| C            | 121-100     | Tubing with braided shield and jacket      |
| D            | 121-101     | Tubing with braided shield                 |
| E            | 121-102     | Tubing with two braided shields            |
| F            | 121-103     | Tubing with two braided shields and jacket |
| G            | 123-100     | Tubing with jacket                         |