

# 257-003

## Connector Receptacle Assembly

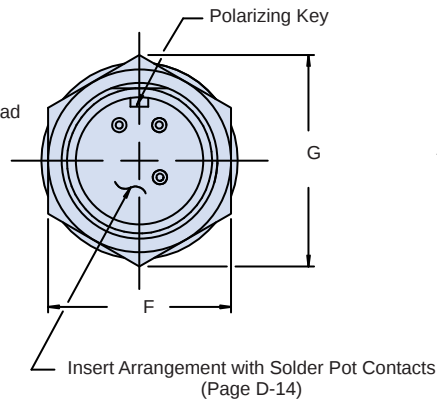
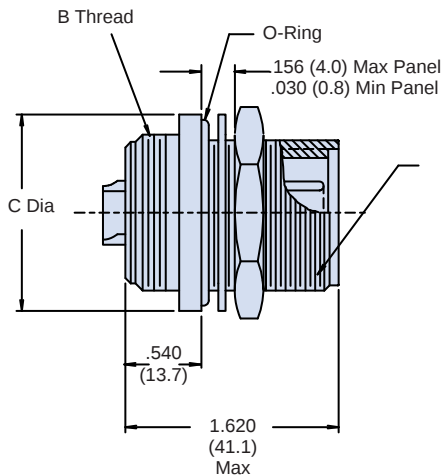
### Stainless Steel Harsh Environment

### UNEF Threads

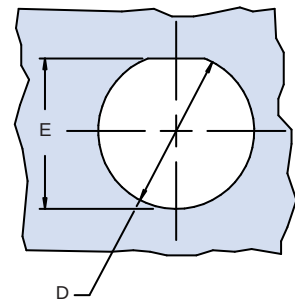


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Custom Applications

| How To Order                |                                   |      |   |   |      |    |   |   |   |
|-----------------------------|-----------------------------------|------|---|---|------|----|---|---|---|
| Sample Part Number          | 257                               | -003 | H | 2 | -14S | -5 | P | W | M |
| Series No.                  | 257                               |      |   |   |      |    |   |   |   |
| Basic No.                   | -003                              |      |   |   |      |    |   |   |   |
| Class                       | H = Hermetic<br>- = Standard      |      |   |   |      |    |   |   |   |
| Connector Style             | 2 = Receptacle                    |      |   |   |      |    |   |   |   |
| Shell Size                  | See Table I                       |      |   |   |      |    |   |   |   |
| Insert Arrangement Dash No. | See page D-14                     |      |   |   |      |    |   |   |   |
| Contact Style               | P = Pin S = Socket (Non-Hermetic) |      |   |   |      |    |   |   |   |
| Alternate Insert Position   | See page D-14                     |      |   |   |      |    |   |   |   |
| Molding Adapter             | M = Molding Adapter Omit for none |      |   |   |      |    |   |   |   |



#### RECOMMENDED PANEL CUT-OUT



| Table I    |                      |                      |              |                           |                           |              |              |
|------------|----------------------|----------------------|--------------|---------------------------|---------------------------|--------------|--------------|
| Shell Size | A Thread<br>Class 2A | B Thread<br>Class 2A | C Max        | D<br>+.010 (0.3)<br>-.000 | E<br>+.010 (0.3)<br>-.000 | F Max        | G Max        |
| 10SL       | 5/8 - 24 UNEF        | 5/8 - 24 UNEF        | 1.030 (26.2) | .653 (16.6)               | .585 (14.9)               | .812 (20.6)  | .940 (23.9)  |
| 12         | 3/4 - 20 UNEF        | 3/4 - 20 UNEF        | 1.160 (29.5) | .760 (19.3)               | .710 (18.0)               | .938 (23.8)  | 1.090 (27.7) |
| 14S        | 7/8 - 20 UNEF        | 7/8 - 20 UNEF        | 1.280 (32.5) | .885 (22.5)               | .835 (21.2)               | 1.125 (28.6) | 1.250 (31.8) |
| 18         | 1 1/8 - 18 UNEF      | 1 1/8 - 16 UN        | 1.660 (42.2) | 1.135 (28.8)              | 1.085 (27.6)              | 1.500 (31.8) | 1.690 (42.9) |
| 20         | 1 1/4 - 18 UNEF      | 1 1/4 - 16 UN        | 1.780 (45.2) | 1.260 (32.0)              | 1.210 (30.7)              | 1.625 (41.3) | 1.820 (46.2) |
| 24         | 1 1/2 - 18 UNEF      | 1 1/2 - 16 UN        | 2.030 (51.6) | 1.510 (38.4)              | 1.460 (37.1)              | 1.875 (47.6) | 2.120 (53.8) |
| 28         | 1 3/4 - 18 UNEF      | 1 3/4 - 16 UN        | 2.280 (57.9) | 1.760 (44.7)              | 1.710 (43.4)              | 2.125 (54.0) | 2.420 (61.5) |

#### Notes:

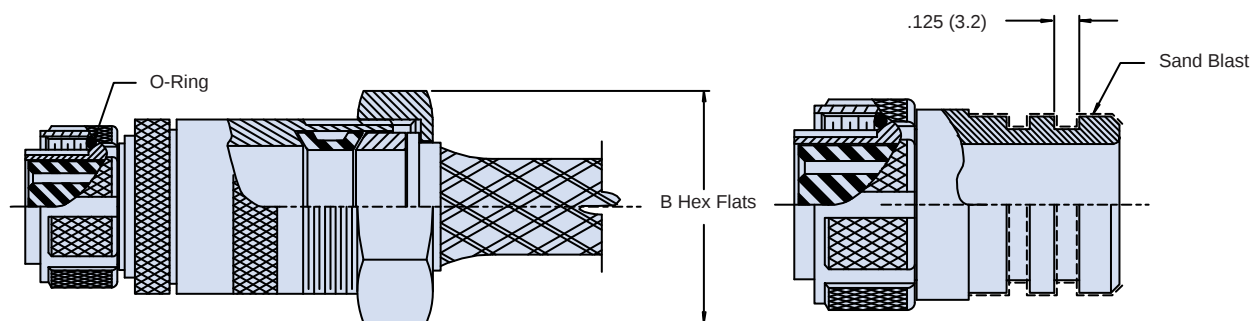
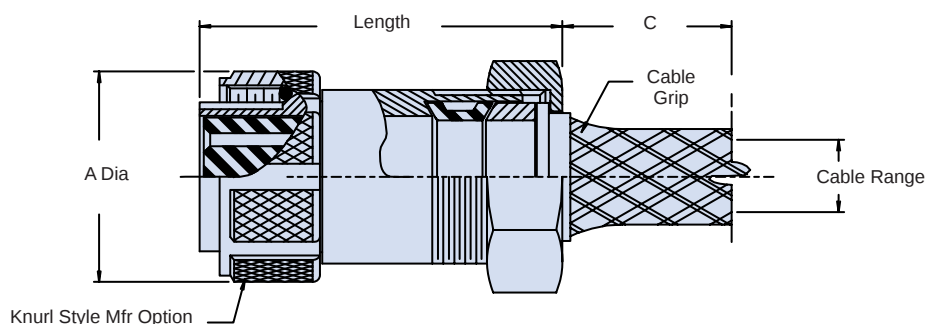
1. Metric dimensions (mm) are indicated in parentheses.
2. Electrical safety limits must be established by the user. Peak voltages, switching surges, etc., should be used to determine the safety of the application.



## 257-003 Connector Plug Assembly Stainless Steel Harsh Environment

| How To Order                |                                                                                                      |      |    |      |    |   |   |   |    |
|-----------------------------|------------------------------------------------------------------------------------------------------|------|----|------|----|---|---|---|----|
| Sample Part Number          | 257                                                                                                  | -003 | -6 | -14S | -5 | P | W | M | 08 |
| Series No.                  | 257                                                                                                  |      |    |      |    |   |   |   |    |
| Basic No.                   | -003                                                                                                 |      |    |      |    |   |   |   |    |
| Connector Style             | 6 = Plug                                                                                             |      |    |      |    |   |   |   |    |
| Shell Size                  | See Table I                                                                                          |      |    |      |    |   |   |   |    |
| Insert Arrangement Dash No. | See page D-14                                                                                        |      |    |      |    |   |   |   |    |
| Contact Style               | P = Pin S = Socket (Non-Hermetic)                                                                    |      |    |      |    |   |   |   |    |
| Alternate Insert Position   | See page D-14                                                                                        |      |    |      |    |   |   |   |    |
| Molding Adapter             | M = Molding Adapter<br>N = No Adapter (Connector Only)<br>Omit = Connector with Wire Mesh Cable Grip |      |    |      |    |   |   |   |    |
| Optional Entry              | See Table II. Omit for Standard                                                                      |      |    |      |    |   |   |   |    |

### STYLE I



STYLE II

STYLE M  
MOLDING ADAPTER  
OPTION

**257-003**  
**Connector Plug Assembly**  
**Stainless Steel Harsh Environment**



| Table I     |              |              |                      |             |              |                            |              |
|-------------|--------------|--------------|----------------------|-------------|--------------|----------------------------|--------------|
| Shell Size  | A Max        | B Flats      | Standard Cable Range |             | Config Style | Max Cable Entry (Table II) | Length Max   |
|             |              |              | Min                  | Max         |              |                            |              |
| <b>10SL</b> | 1.031 (26.2) | 1.000 (25.4) | .210 (5.3)           | .312 (7.9)  | I            | 04                         | 3.000 (76.2) |
| <b>12</b>   | 1.125 (28.6) | 1.380 (35.1) | .500 (12.7)          | .625 (15.9) | II           | 08                         | 3.000 (76.2) |
| <b>14S</b>  | 1.219 (31.0) | 1.000 (25.4) | .210 (5.3)           | .312 (7.9)  | I            | 10                         | 3.000 (76.2) |
| <b>18</b>   | 1.406 (35.7) | 1.220 (31.0) | .310 (7.9)           | .438 (11.1) | I            | 12                         | 3.000 (76.2) |
| <b>20</b>   | 1.531 (38.9) | 1.500 (38.1) | .530 (13.5)          | .750 (19.1) | I            | 14                         | 3.500 (88.9) |
| <b>24</b>   | 1.781 (45.2) | 1.500 (38.1) | .530 (13.5)          | .750 (19.1) | I            | 16                         | 3.500 (88.9) |
| <b>28</b>   | 2.031 (51.6) | 1.500 (38.1) | .530 (13.5)          | .750 (19.1) | I            | 16                         | 3.500 (88.9) |

| Table II  |               |             |              |
|-----------|---------------|-------------|--------------|
| Dash No.  | C Ref         | Cable Range |              |
|           |               | Min         | Max          |
| <b>03</b> | 5.120 (130.0) | .180 (4.6)  | .210 (5.3)   |
| <b>04</b> | 5.750 (146.1) | .210 (5.3)  | .312 (7.9)   |
| <b>06</b> | 7.000 (177.8) | .310 (7.9)  | .438 (11.1)  |
| <b>08</b> | 7.120 (180.8) | .438 (11.1) | .500 (12.7)  |
| <b>10</b> | 7.370 (184.3) | .500 (12.7) | .625 (15.9)  |
| <b>12</b> | 9.000 (228.6) | .530 (13.5) | .750 (19.1)  |
| <b>14</b> | 8.000 (203.2) | .750 (19.1) | .875 (22.2)  |
| <b>16</b> | 9.000 (228.6) | .875 (22.2) | 1.000 (25.4) |

**Notes:**

1. Metric dimensions (mm) are indicated in parentheses.
2. Electrical safety limits must be established by the user. Peak voltages, switching surges, etc., should be used to determine the safety of the application.