



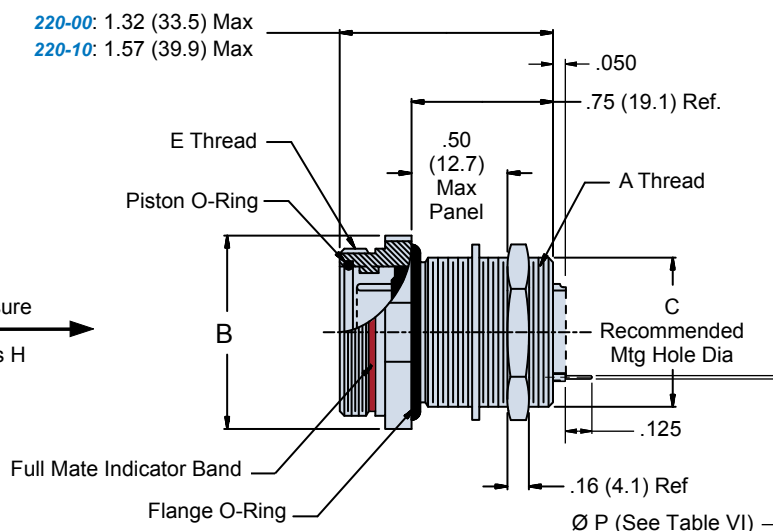
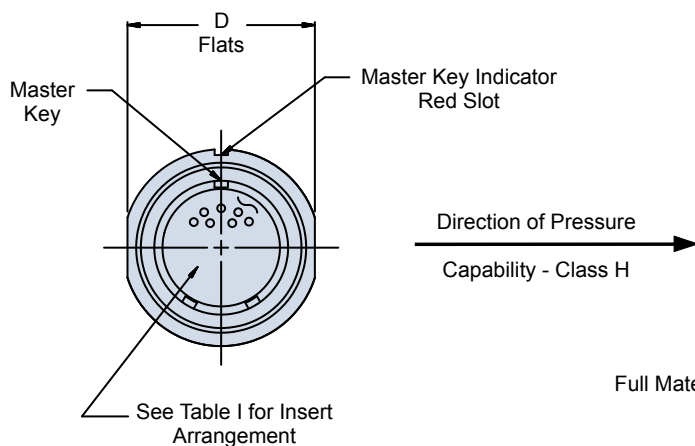
## 220-00 and 220-10 High-Pressure Environmental/Hermetic Jam Nut Bulkhead Receptacle, Front Mount

### SERIES 22 RECEPTACLE IN STANDARD OR SCOOP-PROOF SHELL WITH PIN OR SOCKET CONTACTS



| How To Order                    |                                                                             |   |       |   |   |
|---------------------------------|-----------------------------------------------------------------------------|---|-------|---|---|
| Sample Part Number              | 220-00                                                                      | H | 24-61 | P | N |
| Series and Shell Style          | 220-00 - Standard<br>220-10 - Scoop-Proof (Not Shown)                       |   |       |   |   |
| Class                           | H = Hermetic E = Environmental                                              |   |       |   |   |
| Shell Size - Insert Arrangement | See page A-6                                                                |   |       |   |   |
| Contact Style                   | P = Pins S = Sockets<br>C = Pin PC Termination<br>D = Socket PC Termination |   |       |   |   |
| Polarization                    | N, 1, 2, 3, 4 See page A-6                                                  |   |       |   |   |

Prior to use, lubricate O-rings with high grade silicone lubricant (Moly-kote M55 or equivalent).



Metric dimensions (mm) are indicated in parentheses

# 220-00 and 220-10 High-Pressure Environmental/Hermetic Jam Nut Bulkhead Receptacle, Front Mount



Geo-Marine  
Connectors

Table II: Dimensions

| Shell Size | A Thread Class 2A | Ø B Max     | C<br>±.005 ±(0.1) | D<br>Flats   | E Thread Class 2A |
|------------|-------------------|-------------|-------------------|--------------|-------------------|
| 10         | 5/8 - 24 UNEF     | 1.03 (25.4) | .635 (16.1)       | .875 (22.2)  | .750 - .1P - .1L  |
| 12         | 3/4 - 20 UNEF     | 1.16 (28.6) | .760 (19.3)       | 1.000 (25.4) | .875 - .1P - .1L  |
| 14         | 7/8 - 20 UNEF     | 1.28 (31.8) | .885 (22.5)       | 1.125 (28.6) | 1.000 - .1P - .1L |
| 16         | 1 - 20 UNEF       | 1.41 (34.9) | 1.010 (25.7)      | 1.250 (31.8) | 1.125 - .1P - .1L |
| 18         | 1 1/8 - 16 UN     | 1.66 (40.5) | 1.135 (28.8)      | 1.500 (38.1) | 1.250 - .1P - .1L |
| 20         | 1 1/4 - 16 UN     | 1.78 (43.7) | 1.260 (32.0)      | 1.625 (41.3) | 1.375 - .1P - .1L |
| 22         | 1 3/8 - 16 UN     | 1.91 (48.1) | 1.385 (35.2)      | 1.750 (44.5) | 1.500 - .1P - .1L |
| 24         | 1 1/2 - 16 UN     | 2.03 (50.0) | 1.510 (38.4)      | 1.875 (47.6) | 1.625 - .1P - .1L |

Table III: Recommended Jam Nut  
Installation Torque Values

| Shell Size | Torque ± 5% |                 |
|------------|-------------|-----------------|
|            | Inch - Lbs. | Newton - Meters |
| 10         | 95          | 10.73           |
| 12         | 110         | 12.43           |
| 14         | 140         | 15.82           |
| 16         | 170         | 19.21           |
| 18         | 195         | 22.03           |
| 20         | 215         | 24.29           |
| 22         | 235         | 26.55           |
| 24         | 260         | 29.38           |

Table IV: Replacement O-Ring Part  
Numbers\*

| Shell Size                                                     | Piston O-Ring | Flange O-Ring |
|----------------------------------------------------------------|---------------|---------------|
| 10                                                             | 2-014         | 2-017         |
| 12                                                             | 2-016         | 2-019         |
| 14                                                             | 2-018         | 2-021         |
| 16                                                             | 2-020         | 2-023         |
| 18                                                             | 2-022         | 2-025         |
| 20                                                             | 2-024         | 2-027         |
| 22                                                             | 2-026         | 2-029         |
| 24                                                             | 2-028         | 2-030         |
| *Parker O-Ring Part Numbers.<br>Compound N674-70 Or Equivalent |               |               |

Table VI

| Contact Size | Ø P              |
|--------------|------------------|
| 22D          | 0.021<br>0.018   |
| 20           | 0.024<br>0.028   |
| 16           | 0.0635<br>0.0615 |
| 12           | 0.095<br>0.093   |