

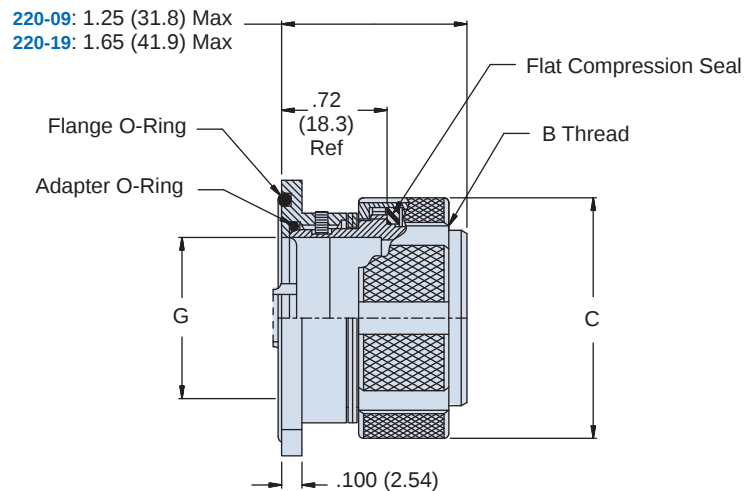
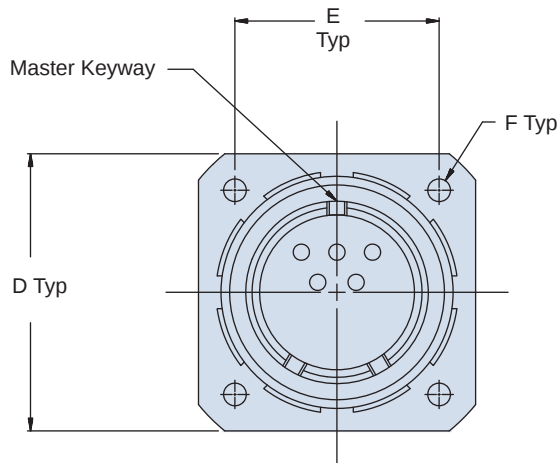
## 220-09 and 220-19 High-Pressure Environmental Box-Mount Plug

### SERIES 22 BOX-MOUNT PLUG WITH PIN OR SOCKET CONTACTS



| How To Order                    |                                                         |   |       |   |   |
|---------------------------------|---------------------------------------------------------|---|-------|---|---|
| Sample Part Number              | 220-09                                                  | E | 24-61 | P | N |
| Series and Shell Style          | <b>220-09</b> - Standard<br><b>220-19</b> - Scoop-Proof |   |       |   |   |
| Class                           | <b>E</b> = High-Pressure Environmental                  |   |       |   |   |
| Shell Size - Insert Arrangement | See page A-6                                            |   |       |   |   |
| Contact Style                   | <b>P</b> = Pins <b>S</b> = Sockets                      |   |       |   |   |
| Polarization                    | <b>N, 1, 2, 3, 4</b> See page A-6                       |   |       |   |   |

B



## 220-09 and 220-19 High-Pressure Environmental Box-Mount Plug



**Table II : Dimensions**

| Shell Size | B Thread Class 2B | C Dia Max    | D Dim       | E Dim        | F Dia      | Mtg Screw Ref. | G Panel Cutout |
|------------|-------------------|--------------|-------------|--------------|------------|----------------|----------------|
| 10         | .750 - .1P - .1L  | 1.000 (25.4) | 1.09 (27.7) | .844 (21.4)  | .125 (3.2) | No. 4          | .625 (15.9)    |
| 12         | .875 - .1P - .1L  | 1.125 (28.6) | 1.19 (30.2) | .938 (23.8)  | .125 (3.2) | No. 4          | .750 (19.1)    |
| 14         | 1.000 - .1P - .1L | 1.250 (31.8) | 1.25 (31.8) | 1.000 (25.4) | .125 (3.2) | No. 4          | .875 (22.2)    |
| 16         | 1.125 - .1P - .1L | 1.375 (34.9) | 1.34 (34.0) | 1.094 (27.8) | .125 (3.2) | No. 4          | 1.000 (25.4)   |
| 18         | 1.250 - .1P - .1L | 1.594 (40.5) | 1.44 (36.6) | 1.188 (30.2) | .125 (3.2) | No. 4          | 1.125 (28.6)   |
| 20         | 1.375 - .1P - .1L | 1.719 (43.7) | 1.55 (39.4) | 1.281 (32.5) | .125 (3.2) | No. 4          | 1.250 (31.8)   |
| 22         | 1.500 - .1P - .1L | 1.844 (46.8) | 1.72 (43.7) | 1.375 (34.9) | .125 (3.2) | No. 4          | 1.375 (34.9)   |
| 24         | 1.625 - .1P - .1L | 1.969 (50.0) | 1.85 (47.0) | 1.500 (38.1) | .156 (4.0) | No. 6          | 1.500 (38.1)   |

**Table III: Recommended Coupling Nut Assembly Torque Values**

| Shell Size | Inch - Pounds |     | Newton - Meters |       |
|------------|---------------|-----|-----------------|-------|
|            | Min           | Max | Min             | Max   |
| 10         | 20            | 40  | 2.26            | 4.52  |
| 12         | 20            | 40  | 2.26            | 4.52  |
| 14         | 30            | 50  | 3.39            | 5.65  |
| 16         | 30            | 50  | 3.39            | 5.65  |
| 18         | 40            | 60  | 4.52            | 6.78  |
| 20         | 50            | 70  | 5.65            | 7.91  |
| 22         | 60            | 80  | 6.78            | 9.04  |
| 24         | 80            | 100 | 9.04            | 11.30 |

**Seal Replacement Part Numbers**

| Shell Size | Adapter O-Ring | Flange O-Ring | Compression Flat Seal |
|------------|----------------|---------------|-----------------------|
| 10         | 2-014          | 2-019         | G70653-10             |
| 12         | 2-016          | 2-021         | G70653-12             |
| 14         | 2-018          | 2-022         | G70653-14             |
| 16         | 2-020          | 2-024         | G70653-16             |
| 18         | 2-022          | 2-025         | G70653-18             |
| 20         | 2-024          | 2-027         | G70653-20             |
| 22         | 2-026          | 2-029         | G70653-22             |
| 24         | 2-028          | 2-030         | G70653-24             |

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