463-003
EMI/RFI Environmental G-Spring Backshell
with Strain Relief
Rotatable Coupling - Standard Profile

CONNECTOR DESIGNATOR
G
ROTATABLE COUPLING

Length \pm .060 (1.52)
Min. Order Length 2.0 Inch
(See Note 5)

STYLE 2
(STRAIGHT
See Note 1)

Length \pm .060 (1.52)

STYLE 2
(45° & 90°
See Note 1)

469-001-XX Shield Support Ring
(order separately) is recommended
for use in all G-Spring backshells
(see page 463-8)

Shown with Style F
Strain Relief

Shown with Style F
Strain Relief

463 G S 003 M 17 10 F 6

Product Series
Connector Designator
Angle and Profile
H = 45°
J = 90°
S = Straight
Basic Part No.

Length: S only (1/2 inch increments: e.g. 6 = 3 inches)
Strain Relief Style (F, G)
Cable Entry (Table IV)
Shell Size (Table I)
Finish (Table II)

A Thread
(Table I)
C Typ.
(Table I)

Length *
1.22
(31.0)
Max

Cable Range
M
(Table IV)

* Length \pm .060 (1.52)
Minimum Order Length 1.5 Inch
(See Note 5)

Shown with Style F
Strain Relief

1.25 (31.8)
Max

1.000 (25.4)
Max

H (Table III)

N
(Table IV)

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Series 463 - Page 6
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Rev. 07.28.20
1. Shield Support Ring (469-001-XX) is recommended for use in all G-Spring backshells (see page 463-8).

2. When maximum cable entry (page 21) is exceeded, Style 2 will be supplied. Dimensions E, F, G and H will not apply. Please consult factory.

3. Metric dimensions (mm) are indicated in parentheses.

4. Cable range is defined as the accommodations range for the wire bundle or cable. Dimensions shown are not intended for inspection criteria.

5. Consult factory for shorter lengths on straight backshells.

### TABLE III: ELBOW DIMENSIONS

<table>
<thead>
<tr>
<th>Shell Size</th>
<th>E Max</th>
<th>F Max</th>
<th>G Max</th>
<th>H Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>1.240 (31.5)</td>
<td>1.630 (41.4)</td>
<td>1.380 (35.1)</td>
<td>1.770 (45.0)</td>
</tr>
<tr>
<td>13</td>
<td>1.260 (32.0)</td>
<td>1.660 (41.9)</td>
<td>1.440 (36.6)</td>
<td>1.830 (46.5)</td>
</tr>
<tr>
<td>15</td>
<td>1.290 (32.8)</td>
<td>1.680 (42.7)</td>
<td>1.500 (38.1)</td>
<td>1.900 (48.3)</td>
</tr>
<tr>
<td>17</td>
<td>1.310 (33.3)</td>
<td>1.700 (43.2)</td>
<td>1.570 (39.9)</td>
<td>1.960 (49.8)</td>
</tr>
<tr>
<td>19</td>
<td>1.340 (34.0)</td>
<td>1.730 (43.9)</td>
<td>1.630 (41.4)</td>
<td>2.040 (51.8)</td>
</tr>
<tr>
<td>23</td>
<td>1.380 (35.1)</td>
<td>1.770 (45.0)</td>
<td>1.730 (43.9)</td>
<td>2.120 (53.3)</td>
</tr>
<tr>
<td>25</td>
<td>1.410 (35.8)</td>
<td>1.800 (45.7)</td>
<td>1.800 (45.7)</td>
<td>2.190 (53.8)</td>
</tr>
<tr>
<td>29</td>
<td>1.580 (40.1)</td>
<td>1.970 (50.0)</td>
<td>2.040 (51.8)</td>
<td>2.430 (61.7)</td>
</tr>
<tr>
<td>33</td>
<td>1.620 (41.1)</td>
<td>2.010 (51.1)</td>
<td>2.130 (54.1)</td>
<td>2.520 (64.0)</td>
</tr>
</tbody>
</table>

### TABLE IV: CABLE ENTRY

<table>
<thead>
<tr>
<th>Dash No.</th>
<th>M Max</th>
<th>N Max</th>
<th>Cable Range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min</td>
<td>Max</td>
<td></td>
</tr>
<tr>
<td>01</td>
<td>.843 (21.4)</td>
<td>.625 (15.9)</td>
<td>.125 (3.2)</td>
</tr>
<tr>
<td>02</td>
<td>.968 (24.6)</td>
<td>.750 (19.1)</td>
<td>.156 (4.0)</td>
</tr>
<tr>
<td>03</td>
<td>1.046 (26.6)</td>
<td>.875 (22.2)</td>
<td>.250 (6.4)</td>
</tr>
<tr>
<td>04</td>
<td>1.156 (29.4)</td>
<td>1.000 (25.4)</td>
<td>.280 (7.1)</td>
</tr>
<tr>
<td>05</td>
<td>1.218 (30.9)</td>
<td>1.125 (28.6)</td>
<td>.375 (9.5)</td>
</tr>
<tr>
<td>06</td>
<td>1.343 (34.1)</td>
<td>1.250 (31.8)</td>
<td>.500 (12.7)</td>
</tr>
<tr>
<td>07</td>
<td>1.468 (37.3)</td>
<td>1.375 (34.9)</td>
<td>.625 (15.9)</td>
</tr>
<tr>
<td>08</td>
<td>1.593 (40.5)</td>
<td>1.500 (38.1)</td>
<td>.750 (19.1)</td>
</tr>
<tr>
<td>09</td>
<td>1.718 (43.6)</td>
<td>1.625 (41.3)</td>
<td>.875 (22.2)</td>
</tr>
<tr>
<td>10</td>
<td>1.843 (46.8)</td>
<td>1.750 (44.5)</td>
<td>1.000 (25.4)</td>
</tr>
<tr>
<td>11*</td>
<td>2.187 (55.5)</td>
<td>1.875 (47.6)</td>
<td>1.125 (28.6)</td>
</tr>
<tr>
<td>12*</td>
<td>2.312 (58.7)</td>
<td>2.000 (50.8)</td>
<td>1.250 (31.8)</td>
</tr>
<tr>
<td>13*</td>
<td>2.437 (61.9)</td>
<td>2.125 (54.0)</td>
<td>1.375 (34.9)</td>
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<td>14*</td>
<td>2.546 (64.7)</td>
<td>2.250 (57.2)</td>
<td>1.500 (38.1)</td>
</tr>
</tbody>
</table>

* Consult factory for availability.