**Customer:**
**Job/Project:**
**Quantity:**
**Date:**
**Ref/Tag:**

---

**Style 1102 Rubber Expansion Joint**

6" ID x 10" F/F (DN150mm x 254mm) - 150-lb Drilling | 1102-0006-3.16

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**Section Detail**

- **Rubber Grommet**
- **Rod ∅5/8" x 20" typ.**
- **Mating Flange** (by others)
- **Retaining Ring (segmented)**
- **Nuts**
- **Cover**
- **Reinforcement**

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**Bill of Materials**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>MATERIAL</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retaining Ring</td>
<td>Carbon Steel</td>
<td>Hot Dipped Galvanized</td>
</tr>
<tr>
<td></td>
<td>Stainless Steel</td>
<td>Plain</td>
</tr>
<tr>
<td>Gusset</td>
<td>Carbon Steel</td>
<td>Hot Dipped Galvanized</td>
</tr>
<tr>
<td></td>
<td>Stainless Steel</td>
<td>Plain</td>
</tr>
<tr>
<td>Rods</td>
<td>ASTM A193 B7 Alloy Steel</td>
<td>Hot Dipped Galvanized</td>
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<tr>
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<td>ASTM A193 B8M 316 SS</td>
<td>Plain</td>
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<tr>
<td>Nuts</td>
<td>ASTM A194 2H Steel</td>
<td>Hot Dipped Galvanized</td>
</tr>
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<td>ASTM A194 8M 316 SS</td>
<td>Plain</td>
</tr>
<tr>
<td>Spherical Washers</td>
<td>Stainless Steel</td>
<td>Plain</td>
</tr>
<tr>
<td>Metal Reinforcement</td>
<td>High Tensile Steel</td>
<td>Rubber Embedded</td>
</tr>
<tr>
<td>Textile Reinforcement</td>
<td>Tire Cord</td>
<td>RFL Coating</td>
</tr>
</tbody>
</table>

---

**Movement (non-concurrent) SPRING RATE PRESSURE WEIGHT**

<table>
<thead>
<tr>
<th>Tube</th>
<th>Pure Gum</th>
<th>Neoprene</th>
<th>Butyl</th>
<th>Nitrile (Buna-N)</th>
<th>EPDM</th>
<th>Viton® (FKM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cover</td>
<td>180 [82]</td>
<td>225 [107]</td>
<td>250 [121]</td>
<td>300 [149]</td>
<td>350 [177]</td>
<td>400 [204]</td>
</tr>
</tbody>
</table>

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**Optional Control Units**

- **No Control Units**
- **Outer Washer / Grommet**
  - Inner Bare (GR/B) (shown above)
- **Integral Ring (INT-W/B)**
- **Integral Ring (INT-W/W)**
- **Integral Ring, Spherical Washer (INT-SW/SW)**
- **Inner Nuts (GR/W)**
- **Spherical Washer (GR-SW/B)**
- **Spherical Washer (GR-SW/SW)**

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**Maximum Temperature rating based on lowest temperature material selected. EPDM or Butyl w/ Polyester Tire Cord rated 300°F (149°C) for Air Service up to 25 psig (1.7 barg).**

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*Gusset thickness and pressure listed above are for carbon steel gussets and ASTM A193 B7 rods. Contact General Rubber for stainless steel pressures and thicknesses.

Contact General Rubber Corporation for full product specifications, Warnings and installation instructions.

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*No. of Rods: 2 Rods / 225 psig