**Style 1102 Rubber Expansion Joint**

84” ID x 16” F/F (DN2100mm x 406.4mm) - 150-lb Drilling | 1102-0084-3.16

- **Material:**
  - **Pure Gum**
  - **Neoprene**
  - **Butyl**
  - **Nitrile (Buna-N)**
  - **EPDM**
  - **Viton® (FKM)**

- **Cover:**
  - **Polyester**
  - **Kevlar®**

- **Tire Cord:**
  - **Pure Gum**
  - **Neoprene**
  - **Butyl**
  - **Nitrile (Buna-N)**
  - **EPDM**
  - **Viton® (FKM)**

- **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).**

- **Bill of Materials**

- **Section Detail**

- **Optional Control Units**
  - No Control Units
  - Outer Washer, Inner Bare (W/B) (shown above)

- **Movements (non-concurrent)**
  - Comp. (in [mm]: 5 [127], Ext. (in [mm]: 2 1/2 [63.5], Lateral (in [mm]: 3 [76.2], Angular deg: 4.6, Torsional deg: 2.8

- **Spring Rate**
  - Comp. lb/in (N/mm): 3,475 [608.5], Ext. lb/in (N/mm): 4,335 [759.1], Lateral ft-lb/deg (N-m/deg): 4,335 [759.1], Ang. ft-lb/deg (N-m/deg): 4,335 [759.1], Torsional ft-lb/deg (N-m/deg): 4,335 [759.1]

- **Pressure**
  - Pressure psig (barg): 80 [5.5], Vacuum in-Hg (barg): 10 [0.3], RBG with Rings lbs (kg): 1,338 [608], Control Unit lbs (kg): 424 [193]

- **No. of Rods:**
  - 2 Rods / 26 psig
  - 3 Rods / 40 psig
  - 4 Rods / 53 psig
  - 5 Rods / 67 psig
  - 6 Rods / 80 psig

*Gusset thickness and pressures 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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