**Style 1103 Rubber Expansion Joint**

96” ID x 22” F/F (DN2400mm x 559mm) - 150-lb Drilling | 1103-0096-3.16

**Section Detail**

- **Materials:**
  - Tube: 22” [559mm]
  - Reinforcement: Tire Cord
  - Tube: 22” [559mm]
  - Cover: Nitrile (Buna-N)

**Temperature Rating:**
- 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**

- **ITEM**
- **MATERIAL**
- **FINISH**
  - Retaining Ring: Carbon Steel
  - Stainless Steel
  - Hot Dipped Galvanized
  - Plain
  - Gusset: Carbon Steel
  - Stainless Steel
  - Hot Dipped Galvanized
  - Plain
  - Rods: ASTM A193 B7 Alloy Steel
  - ASTM A193 B8M 316 SS
  - Hot Dipped Galvanized
  - Plain
  - Nuts: ASTM A194 2H Steel
  - 316 SS
  - 316L SS
  - Hot Dipped Galvanized
  - Plain
  - Spherical Washers: Stainless Steel
  - Rubber Embedded
  - High Tensile Steel
  - Textile Reinforcement: RFL Coating

**Movement (non-concurrent)**

- **ITEM**
- **MATERIAL**
- **FINISH**
  - Comp. in [mm]
  - Ext. in [mm]
  - Lateral in [mm]
  - Angular deg.
  - Spring Rate lb/in [N/mm]
  - Comp. lb/in [N/mm]
  - Ext. lb/in [N/mm]
  - Lateral lb/in [N/mm]
  - Angular ft-lb/deg/N/mm
  - Torsional ft-lb/deg/N/mm
  - Pressure psig [barg]
  - Vacuum psig [barg]
  - RBJ with Rings lbs [kg]
  - Control Unit lbs [kg]

**Optional Control Units**

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

*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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