

800-233-6294

Customer:		Date:
Job/Project:		
0	Dof/Toru	

Quantity: _____ Ref/Tag: **Style 1101 Rubber Expansion Joint** Shown with 60" ID x 12" F/F (DN1500mm x 305mm) - 150-lb Drilling | 1101-0060-3.16 **Control Unit** 1 1/8" thk. W/B [28.6mm] Rod Ø1 1/4" x 32" Mating [31.8mm x 813mm] Flange Section Detail Cover (by others) Ø69 1/4" BC [1758.95mm] Retaining Ring (segmented) Reinforcement Unfilled Arch Tube Nuts Filled Arch 12" [305mm] (reduce movements by 50%, increase spring rates by 400%) Pure Gum Neoprene Butvl Nitrile **EPDM** Viton® (Buna-N) (FKM) Tube Cover ° F [° C] Tire Cord: ° F [° C] ∘ F [∘ C] ∘ F [∘ C] ° F [° C] ° F [° C] Polyester 180 [82] 225 [107] 250 [121] 210 [99] 250 [121] 250 [121] 350 [177] Kevlar® 180 [82] 225 [107] 300 [149] 210 [99] 400 [204] 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** MATERIAL ITEM **FINISH** Ø60" ID **Retaining Ring** Carbon Steel Hot Dipped Galvanized [1524mm] Stainless Steel Plain Gusset **Carbon Steel** Hot Dipped Galvanized Stainless Steel Plain Rods **ASTM A193 B7 Alloy Steel** Hot Dipped Galvanized **ASTM A193 B8M 316 SS** Plain Nuts ASTM A194 2H Steel Hot Dipped Galvanized Ø73" OD ASTM A194 8M 316 SS Plain [1854.2mm] **Spherical Washers** Stainless Steel Plain Metal Reinforcement **High Tensile Steel Rubber Embedded** *Gusset Ø79 1/8" Max OD Ø1 7/8" [47.6mm] **Textile Reinforcement** Tire Cord RFL Coating 1 31/32" thk. [50mm] (52 holes) [2009mm] **MOVEMENT** (non-concurrent) **SPRING RATE PRESSURE WEIGHT** Angular Lateral Vacuum **RBJ** with Comp. Ext. Lateral **Torsional** Comp. Ext. **Angular** Torsional Pressure Control ft-lb/deg ft-lb/deg Rings lb/in lb/in lb/in Unit in [mm] in [mm] in [mm] deg. deg. psig in-Hg [N/mm] [N/mm] [N/mm] [N-m/deg] [N-m/deg] lbs [kg] lbs [kg] [barg] [barq] 1 1/4 [32] 5,560 [974] 4,580 [802] 3,303 [4,478] 3,609 [4,893] 220 [100] 2 1/2 [64] 1 1/2 [38] 1.8 4,520 [792] 85 [5.9] 30 [-1] 500 [227] Inner Nuts (W/W) Spherical Washer (SW/B) Spherical Washer (SW/SW) **Optional Control Units** No Control Units Outer Washer, Integral Ring (INT-W/B) Integral Ring (INT-W/W) Integral Ring, Spherical Washer (INT-SW/SW) Inner Bare (W/B) (shown above)

*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.

*No. of Rods: 2 Rods / 35 psig 3 Rods / 53 psig 4 Rods / 70 psig 5 Rods / 85 psig