Shown with Control Unit GR/B

Style 1103 Rubber Expansion Joint
5” ID x 14” F/F (DN125mm x 356mm) - 150-lb Drilling | 1103-0005-3.16

Section Detail

Bill of Materials

ITEM | MATERIAL |
--- | --- |
Retaining Ring | Carbon Steel | Hot Dipped Galvanized |
 | 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 |
 | ASTM A194 8M 316 SS | Plain |
Spherical Washers | Stainless Steel | Plain |
Metal Reinforcement | High Tensile Steel | Rubber Embedded |
Textile Reinforcement | | |
Reinforcement Cover | Tire Cord | |
Tube | | |
 | Pure Gum | Neoprene | Butyl | Nitrile (Buna-N) | EPDM | Viton® (FKM) |
 | | | | | | |
Cover | | | | | |
 | Kevlar* | 180 [82] | 225 [107] | 250 [121] | 300 [149] | 350 [177] | |
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)

MOVEMENT (non-concurrent)

| ITEM | MATERIAL |
--- | --- |
Retaining Ring | Carbon Steel | Hot Dipped Galvanized |
 | 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 |
 | ASTM A194 8M 316 SS | Plain |
Spherical Washers | Stainless Steel | Plain |
Metal Reinforcement | High Tensile Steel | Rubber Embedded |
Textile Reinforcement | | |
Reinforcement Cover | Tire Cord | |
Tube | | |
 | Pure Gum | Neoprene | Butyl | Nitrile (Buna-N) | EPDM | Viton® (FKM) |
 | | | | | | |
Cover | | | | | |
 | Kevlar* | 180 [82] | 225 [107] | 250 [121] | 300 [149] | 350 [177] | |
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)

Optional Control Units

No Control Units

Outer Washer / Grommet Inner Bare (GR/B) (shown above)

Inner Nuts (GR/W)

Integral Ring (INT-W/B)

Integral Ring, Spherical Washer (INT-SW/SW)

Integral Ring (INT-W/W)

Integral Ring (INT-W/B)

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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