Mission Rubber Company LLC
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**For Installations Requiring a Shielded Transition Coupling that Joins Similar and Dissimilar Pipe Sizes and Pipe Materials**

- **SIZES ¾” THROUGH 4” - 2 BANDS**
- **SIZES 5” THROUGH 12” - 4 BANDS**

**GASKET PHYSICAL TESTS (ASTM C 564)**

- **Tensile Strength**: 1500 PSI minimum
- **Elongation**: 250% minimum
- **Durometer (Shore A)**: 70 ± 5 @ 76˚F ± 5˚F
- **Accelerated Aging**: 15% maximum tensile and 20% maximum elongation deterioration. 10 points maximum increase in hardness. All determinations after oven aging for 96 hours at 158˚F.
- **Compression Set**: 15% maximum after 22 hours at 158˚F
- **Oil Immersion**: 80% maximum volume change after immersion in ASTM oil #3 for 70 hours at 212˚F
- **Ozone Cracking**: No visible cracking at 2X magnification of the gasket after 100 hours exposure in 1.5 PPHM ozone concentration at 100˚F. Testing and inspection to be on gasket which is loop-mounted to give approximately 20% elongation of outer surface.
- **Tear Resistance**: Die C 150 lbs. minimum per inch of thickness
- **Water Absorption**: 20% maximum by weight after 7 days at 158˚F

**MATERIALS**

- **Band**: Series 301 ASTM stainless steel
- **Screw Housing**: Series 301 ASTM stainless steel
- **Screw Saddle**: Series 301 ASTM stainless steel
- **Screw**: Series 305 ASTM stainless steel
- **Shield**: Series 301 ASTM stainless steel

**Gasket**

This gasket is fabricated from a compound with high-quality elastomeric properties to meet physical testing.

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