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**Designed to join ribbed/corrugated profile pipe to smooth wall plastic drainage pipe**

**Flex-Seal® Corrugated Coupling - Submittal**
MR70 Series - 18” to 48” sizes

Performance Couplings for Similar and Dissimilar Pipe Sizes

**MEETS:**
- ASTM C 425
- ASTM C 1173
- ASTM A240/A240M

**PROJECT**

**ENGINEER**

**CONTRACTOR**

**MATERIALS**
- T-bolt Clamp: Bolt: 305 series ss / Nut: 305 series ss / Band: 316 series ss
- Worm Drive Clamp: Screw: 305 series ss / Housing: 304 series ss / Saddle: 304 series ss / Band: 304 series ss
- Shield: 301 series ASTM stainless steel .0315” thick on 18” - 48”
- Gasket: This gasket is fabricated from a compound with high-quality elastomeric properties to meet physical testing

**Used to Join** - MR70 Series Couplings are used to join ribbed/corrugated profile pipe to smooth wall plastic drainage pipe.

**Mission Rubber's Flex-Seal® Corrugated Coupling** is a shielded storm water, sewer and drainage system coupling. The MR70 Series 18” to 48” coupling consists of a combination of 300 series stainless steel worm drive clamps with surgical grade 316 stainless steel T-Bolt clamps, attached to a heavy duty 301 stainless steel shield over an elastomeric sealing gasket.

**Leak-Proof Seal** - Increased band tension of the surgical grade 316 stainless steel T-Bolt clamps ensures a water-tight, leak-proof and root-proof seal that is resistant to both infiltration and exfiltration. Sealing “O” Rings are installed under each sealing clamp to prevent pipe slippage and create a more positive seal.

**Corrosion Resistant** - Surgical grade 316 stainless steel T-Bolt clamps and 300 series stainless steel components, provide outstanding protection in severe environments; such as marine applications, poorly aerated or moist soils, contaminated ground conditions (particularly industrial fill sites) and where the ground water contains chloride, sulfates or bicarbonates.

**Superior Rigidity** - .0315” thick 301 series stainless steel shield provides for superior load bearing control between the coupling and pipe surface. The coupling’s rugged construction provides excellent sealing properties and the stainless steel shield provides excellent resistance to shear forces and helps with alignment, while maintaining flexibility.

**Withstands Tension and Compression** - Synthetic rubbers permit a substantial degree of distortion without change in basic physical resistance, unlike other manufacturers’ thermoplastic coupling materials. Molded synthetic rubber gasket is strong, durable and resilient to ultraviolet rays, ozone, fungus growth, natural erosive properties of soil and normal sewer gages. More pliable and easier to install in cold weather applications than an elastomeric PVC gasket.

**Pre-Set Calibration** - All Flex-Seal® MR70 Series Couplings are designed to be installed with a pre-set torque wrench calibrated to 60 in/lbs. maximum to accommodate the 300 series stainless steel 5/64” hex head screw.