

**Maxi-Grip™ U-Series couplings** are engineered to seal and grip independently in all applications, including anchored or abutted steel or plastic pipe.



Maxi-Grip™ U-Series  
Class I Application:  
8" IPS Pipe Size Insulating

Maxi-Grip™ U-Series  
Class III Application:  
For 9.05" CI to 6.625" IPS thru  
9.30" CI to 8.625" IPS Steel or Plastic

## Features:

- **Economical** - reduced labor, equipment and fitting costs
- **Corrosion Protection** - epoxy coated under carefully controlled factory conditions
- **Cathodic Protection** - anode connector provided
- **Electrical** - available Conductive IPS end and Insulating CI end.
- **Inventory Reduction** - "One Maxi-Grip™ does it all!"

## Specifications:

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                           |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Middle Rings:</b>     | LENGTH: 7 inches (12 x 10" O.D. - 10 inches)<br>STEEL: AISI C-1010 ERW, ASTM A-513<br>Hydrostatically or Eddy Tested or ASTM A-53                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                           |
| <b>Followers:</b>        | STEEL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Hot Rolled<br>AISI C-1008 to C-1010, ASTM A-569                                           |
| <b>Locking Plate:</b>    | STEEL:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Hot Rolled commercial quality                                                             |
| <b>Gaskets:</b>          | <p><b>*CONDUCTIVE</b><br/>Durometer: 70-75 Shore A<br/>Tensile: 2177 PSI, Min.<br/>Elongation: 200%, Min.<br/>Compression Set - ASTM D395-Method B: 10%, Max.</p> <p><b>Brass springs for conductivity</b><br/><b>*INSULATING</b><br/>Durometer: 70-75 Shore A<br/>Tensile: 1706 PSI, Min.<br/>Elongation: 250%, Min.<br/>Compression Set - ASTM D395-Method B: 15%, Max.<br/>Electrical Resistance: Min. 10,000 MegOhms,<br/>5 PSI Pressure, 500 Volts</p> <p><b>*Resistance to:</b> Natural Gas, Natural Gas Odorant,<br/>Carbon Dioxide, Water, UV, Ozone</p> |                                                                                           |
| <b>Gripping Band:</b>    | STEEL: Hot Rolled<br>AISI C-1020, ASTM A-513<br>Stainless Steel, AISI 304 (Cast Iron Only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                           |
| <b>Pressure Ring:</b>    | Steel - AISI C-1020, ASTM A-569                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                           |
| <b>Insulators:</b>       | FOLLOWER:<br>BOOT:<br>SPACER:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | High density polyethylene<br>Polypropylene<br>PVC                                         |
| <b>Bolts &amp; Nuts:</b> | <b>BOLT:</b><br><b>NUT:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Steel, 5/8" trackhead, ASTM A-242<br>Min. Tensile 70,000 PSI<br>Steel ASTM A-563, Grade A |
| <b>Pressure Rating:</b>  | Steel to Steel<br>Steel to Plastic<br>Plastic to Plastic<br>Cast Iron to Steel<br>Cast Iron to Plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 300 PSIG<br>150 PSIG<br>150 PSIG<br>150 PSIG<br>150 PSIG                                  |
| <b>Finish:</b>           | Fusion Bonded Epoxy Powder Coating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                           |
| <b>U.S. Patent No.</b>   | 4,538,841 (Insulating) and 4,606,565                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                           |

Smith-Blair, Inc. products are marked in accordance with D.O.T. Regulation, 192, Paragraph 192.63 (A) (2).

**Maxi-Grip™ U-Series Class I coupling** are engineered to seal and grip independently in all applications, including anchored or abutted steel or plastic pipe. Its design eliminates longitudinal stress, and shearing stresses. Insulating Maxi-Grip™ is designed to provide both electrical insulation and positive pullout restraint for steel or plastic applications.

**Application:**

8" IPS Pipe Size Insulating

Universal - for joining and combination of steel or plastic pipe.

| PIPE      |       | Catalog Number | M. RING            | BOLTS |          | Cplg. Wgt. |
|-----------|-------|----------------|--------------------|-------|----------|------------|
| Nom. Size | O.D.  |                | Thickness & Length | No.   | Size     |            |
| 8"        | 8.625 | U89A7UMG       | .250 x 7           | 6     | 5/8 x 13 | 53         |

**Maxi-Grip™ U-Series Class II couplings** are designed to join cast iron to plastic or cast iron to steel. They provide maximum seal and maximum restraint over a full range of allowable pipe tolerances. Its patented design eliminates longitudinal stress and shearing stresses. Maxi-Grip™ is designed to provide both Class III electrical insulation and positive pullout restraint in cast iron to plastic or steel applications.

**Application:**

For 9.05" CI to 6.625" IPS thru  
9.3" CI to 8.625" IPS Steel or plastic

Plastic insertions through cast iron mains

Universal - for joining cast iron to either steel or plastic pipe

| PIPE REDUCTION |     |        |        | Catalog Number | M. RING            | BOLTS |        | Cplg. Wgt. |
|----------------|-----|--------|--------|----------------|--------------------|-------|--------|------------|
| NOMINAL        |     | ACTUAL |        |                | Thickness & Length | No.   | Size   |            |
| CI             | IPS | CI     | IPS    |                |                    |       |        |            |
| 8" O.S.        | 6"  | 9.30"  | 6.625" | U93669A7UMG    | .250x7             | 6     | 5/8x12 | 62         |
| 8" O.S.        | 8"  | 9.30"  | 8.625" | U93869A7UMG    | .250x7             | 6     | 5/8x12 | 56         |