



Maxi-Grip™ U-Series

Specification Sheet No. 210

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

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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"	6"	9.05"	6.625"	U90669A7UMG	.250x7	6	5/8x12	62
8"	8"	9.05"	8.625"	U90869A7UMG	.250x7	6	5/8x12	56
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