



# Maxi-Grip EZ Restraining Couplings

## Material Specifications

<b>Middle Ring:</b>	Steel: AISI C-1010 ERW, ASTM A-513, Hydrostatically or Eddy tested or ASTM A-53.
<b>Followers:</b>	Steel: Hot rolled - AISI C-1008/1010 - ASTM A-569 Ductile Iron: ASTM 6545-12
<b>Locking Plates:</b>	Steel: Hot rolled - commercial quality
<b>Gaskets:</b>	<b>Plain and Conductive</b> Durometer: 70-75 Shore A Tensile: 2177 PSI, Min. Elongation: 200%, Min. Compression Set- ASTM D395-Method B: 10%, Max. a. Conductive Only Brass Springs for Conductivity <b>Insulating:</b> 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, 5000 Volts <b>Resistance To:</b> Natural Gas, Natural Gas Odorants, Carbon Dioxide, Water, U.V., Ozone 1/2" Trackhead (1/2" to 1-1/2" sizes) 5/8" Trackhead (2" to 12" sizes) Steel: ASTM A242, minimum tensile 70,000 PSI
<b>Bolts:</b>	Steel: ASTM A563 Grade A
<b>Nuts:</b>	Steel, hot rolled - AISI C-1010 ASTM A569
<b>Insert Caps:</b>	IPS: Steel-AISI C-1010 ERW ASTM A513 Cast Iron: Stainless steel pipe (welded) Type 304 ASTM A312 or stainless steel strip AISI 304
<b>Gripping Band:</b>	IPS: Hot Rolled AISI C-1010 ASTM A569 Cast Iron: Stainless Steel, AISI 304
<b>Pressure Ring:</b>	Steel AISI C-1080, Spring temper
<b>Wave Ring:</b>	Followers: Super tough nylon
<b>Insulators:</b>	Boot: Polypropylene Spacer: PVC

Material Specifications are subject to change.



**Smith-Blair Restraining Couplings** are designed with push on gaskets. They are engineered to simplify installation, restrain the pipe joint and ensure a tight seal.

The restraint couplings can be used to connect PE to steel pipes 1" through 12" diameters. They can also connect cast iron to PE or steel pipe, 2" through 8" diameters.

### Pressure Rating:

<b>Steel</b>	<b>300 PSIG</b>
<b>PE Plastic</b>	<b>150 PSIG</b>
<b>Cast Iron</b>	<b>150 PSIG</b>

## Features:

- **Universal application:**  
Maxi-Grip EZ Couplings are designed to seal and grip independently in all applications, including anchored or abutted steel, plastic or cast iron pipe.
- **Inventory reduction:**  
One Maxi-Grip EZ Coupling does it all, on all types of pipe. No need to bother with transition fittings, welding, fusing, blocking, harnessing or shop fabrication.
- **Proven design:**  
The Maxi-Grip EZ Coupling's design is based upon field-proven sealing and gripping principles.
- **The Maxi-Grip EZ is available in three classes:**
  - Class I, for straight connections on plastic and steel pipes in any combination;
  - Class II, for reducing connections
  - Class III, for joining plastic or steel to cast iron pipe.

**Note:** Where pipe pullout will not occur, see the GCC-CSP Brochure for Smith-Blair E series, Seal-Only Couplings.

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



# Maxi-Grip EZ Restraint Couplings

## Class I, Class II and Class III

### Class I - IPS Straight (Conductive)

PIPE		Gas & Industrial Catalog Number	Oilfield Catalog Number	M. RING		BOLTS		Wt. Each Lbs.
Nom. Size (In.)	O.D. (In.)			Thickness & Length (In.)	No.	Size (In.)		
1	1.320	EZ08A6UMG*	-	.134x6	3	1/2x9	8	
1 1/4	1.660	EZ18A7UMG	EZ18A7OMG	.134x6	3	1/2x9	9	
2	2.375	EZ28A7UMG	EZ28A7OMG	.156x7	3	5/8x11	12	
3	3.500	EZ38A7UMG	EZ38A7OMG	.203x7	4	5/8x11	18	
4	4.500	EZ48A7UMG	EZ48A7OMG	.203x7	4	5/8x11	22	
6	6.625	EZ68A7UMG	EZ68A7OMG	.250x7	6	5/8x12	34	
8	8.625	EZ88A7UMG	EZ88A7OMG	.250x7	8	5/8x12	58	
10	10.750	EZ1008A10UMG	EZ1008A10OMG	.250x10	12	5/8x15.75	136	
12	12.750	EZ1208A10UMG	EZ1208A10OMG	.250x10	12	5/8x15.75	154	

\*For steel to steel applications only.

### Class I - IPS Straight (Insulating)

PIPE		Catalog Number	M. RING		BOLTS		Wt. Each Lbs.
Nom. Size (In.)	O.D. (In.)		Thickness & Length (In.)	No.	Size (In.)		
2	2.375	EZ29A7UMG	.156x7	3	5/8x11	12	
3	3.500	EZ39A7UMG	.156x7	4	5/8x12	18	
4	4.500	EZ49A7UMG	.156x7	4	5/8x12	22	
6	6.250	EZ69A7UMG	.250x7	6	5/8x12	34	

### Class II - IPS Reducing (Conductive)

PIPE REDUCTION		Catalog Number	M. RING		BOLTS		Wt. Each Lbs.
Nom. Size (In.)	O.D. (In.)		Thickness & Length (In.)	No.	Size (In.)		
2 to 1 1/4	2.375 to 1.660	EZ218A7UMG	.134x7	3	5/8x11	11.0	
3 to 2	3.500 to 2.375	EZ328A7UMG	.156x7	4	5/8x11	17.0	
4 to 2	4.500 to 2.375	EZ428A7UMG	.156x7	4	5/8x12	22.0	
4 to 3	4.500 to 3.500	EZ438A7UMG	.156x7	4	5/8x12	22.0	
6 to 4	6.625 to 4.500	EZ648A7UMG	.188x7	6	5/8x12	35.0	
8 to 6	8.625 to 6.625	EZ868A7UMG	.203x7	8	5/8x12	60.0	
10 to 8	10.750 to 8.635	EZ1088A12UMG	.250x12	12	5/8x9 5/8x5	132.0	
12 to 10	12.750 to 10.75	EZ12108A12UMG	.250x12	12	5/8x19	156.0	

### Class II - IPS Reducing (Insulating)

PIPE REDUCTION		Catalog Number	M. RING		BOLTS		Wt. Each Lbs.
Nom. Size (In.)	O.D. (In.)		Thickness & Length (In.)	No.	Size (In.)		
2 to 1 1/4	2.375 to 1.660	EZ219A7UMG	.134x7	3	5/8x11	11.0	
3 to 2	3.500 to 2.375	EZ329A7UMG	.156x7	4	5/8x11	17.0	
4 to 2	4.500 to 2.375	EZ429A7UMG	.156x7	4	5/8x12	22.0	
4 to 3	4.500 to 3.500	EZ439A7UMG	.156x7	4	5/8x12	22.0	
6 to 4	6.625 to 4.500	EZ649A7UMG	.188x7	6	5/8x12	35.0	

### Class III - Cast Iron to IPS Steel or Plastic Pipe (Insulating CI End)

PIPE REDUCTION				Catalog Number	M. RING		BOLTS		Wt. Each Lbs.
Nom. Size (In.)		Actual (In.)			Thickness & Length (In.)	No.	Size (In.)		
CI	IPS	CI	IPS						
2	1 1/4	2.50	1.660	EZ25169A7UMG	.120x7	3	5/8x12	14.0	
2	2	2.50	2.375	EZ25239A7UMG	.156x7	3	5/8x12	14.0	
2 1/4	1 1/4	2.75	1.660	EZ27169A7UMG	.120x7	3	5/8x12	14.0	
2 1/4	2	2.75	2.375	EZ27239A7UMG	.156x7	3	5/8x12	14.0	
3	2	3.80	2.375	EZ38239A7UMG	.156x7	4	5/8x12	19.0	
3	3	3.80	3.500	EZ38359A7UMG	.203x7	4	5/8x12	19.0	
4	2	4.80	2.375	EZ48239A7UMG	.156x7	4	5/8x12	23.0	
4	3	4.80	3.500	EZ48359A7UMG	.156x7	4	5/8x12	23.0	
4	4	4.80	4.500	EZ48459A7UMG	.203x7	4	5/8x12	23.0	
6	4	6.90	4.500	EZ69459A7UMG	.188x7	6	5/8x12	50.0	
6	6	6.90	6.625	EZ69669A7UMG	.250x7	6	5/8x12	43.0	
6 O.S.	4	7.10	4.500	EZ71459A7UMG	.188x7	6	5/8x12	50.0	
6 O.S.	6	7.10	6.625	EZ71669A7UMG	.250x7	6	5/8x12	43.0	
8	6	9.05	6.625	EZ90669A7UMG	.250x7	8	5/8x12	62.0	
8	8	9.05	8.625	EZ90869A7UMG	.250x7	8	5/8x12	56.0	

Other reducing sizes available.

All Maxi-Grip™ Couplings are epoxy coated.

When ordering, please specify size and catalog number.