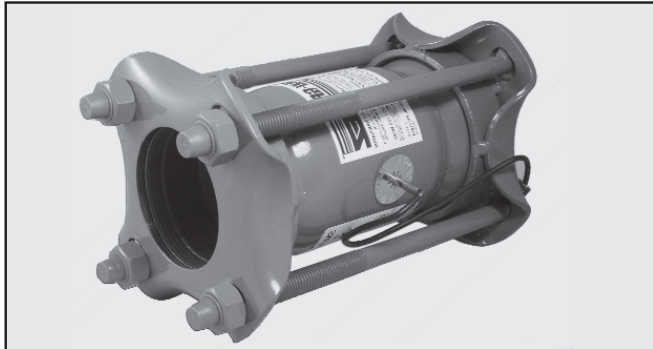




Maxi-Grip™ EZ Restraint Couplings



Smith-Blair's Maxi-Grip EZ Coupling combines mechanical strength with an evolutionary design making installation a snap. No disassembly, special equipment or time consuming alignment procedures are required.

The Maxi-Grip EZ utilizes an advanced gasket pre-load mechanism - the wave spring. This exclusive engineering concept causes the bolting action to compress the gaskets before engaging the gripping rings resulting in a positive seal and maximum grip every time.

Pressure Ratings:

Steel	300 PSIG	PE Plastic 150 PSIG
Cast Iron	150 PSIG	

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.

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

Material Specifications

- Middle Ring:** Steel: AISI C-1010 ERW, ASTM A-513, Hydrostatically or Eddy tested or ASTM A-53.
- Followers:** Steel: Hot rolled - AISI C-1008/1010 - ASTM A-569
Ductile Iron: ASTM A536 65-45-12
- Gaskets:** **Plain and Conductive**
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
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, 5000 Volts
Resistance To:
Natural Gas, Natural Gas Odorants,
Carbon Dioxide, Water, U.V., Ozone
1/2" Trackhead (1" to 1-1/4" sizes)
5/8" Trackhead (2" to 12" sizes)
Steel: ASTM A242, minimum tensile
70,000 PSI
- Bolts:** Steel: ASTM A563 Grade A
- Nuts:** Steel, hot rolled - AISI C-1010 ASTM A569
- Insert Caps:** Steel: Steel-AISI C-1010 ERW ASTM A513
- Gripping Band:** IPS: Steel-AISI C-1010 ERW ASTM A513
Cast Iron: Stainless steel pipe (welded)
Type 304 ASTM A312 or stainless steel strip AISI 304
- Pressure Ring:** IPS: Hot Rolled AISI C-1010 ASTM A569
Cast Iron: Stainless Steel, AISI 304
- Wave Ring:** Steel AISI C-1080, Spring temper
- Insulators:** Follower: Super tough nylon
Boot: Polypropylene
Spacer: PVC

Material Specifications are subject to change.

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



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	EZ18A7UMG	.134x6	3	1/2x9	9
2	2.375	EZ28A7UMG	EZ28A7UMG	.156x7	3	5/8x11	12
3	3.500	EZ38A7UMG	EZ38A7UMG	.203x7	4	5/8x11	18
4	4.500	EZ48A7UMG	EZ48A7UMG	.203x7	4	5/8x11	22
6	6.625	EZ68A7UMG	EZ68A7UMG	.250x7	6	5/8x12	34
8	8.625	EZ88A7UMG	EZ88A7UMG	.250x7	8	5/8x12	58
10	10.750	EZ1008A10UMG	EZ1008A10UMG	.250x10	12	5/8x15.75	136
12	12.750	EZ1208A10UMG	EZ1208A10UMG	.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
3 to 2	3.500 to 2.375	EZ328A7UMG	.156x7	4	5/8x11	17
4 to 2	4.500 to 2.375	EZ428A7UMG	.156x7	4	5/8x12	22
4 to 3	4.500 to 3.500	EZ438A7UMG	.156x7	4	5/8x12	22
6 to 4	6.625 to 4.500	EZ648A7UMG	.188x7	6	5/8x12	35
8 to 6	8.625 to 6.625	EZ868A7UMG	.203x7	8	5/8x12	60
10 to 8	10.750 to 8.635	EZ1088A12UMG	.250x12	12	5/8x9	132
				8	5/8x5	
12 to 10	12.750 to 10.75	EZ12108A12UMG	.250x12	12	5/8x19	156

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
3 to 2	3.500 to 2.375	EZ329A7UMG	.156x7	4	5/8x11	17
4 to 2	4.500 to 2.375	EZ429A7UMG	.156x7	4	5/8x12	22
4 to 3	4.500 to 3.500	EZ439A7UMG	.156x7	4	5/8x12	22
6 to 4	6.625 to 4.500	EZ649A7UMG	.188x7	6	5/8x12	35

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
2	2	2.50	2.375	EZ25239A7UMG	.156x7	3	5/8x12	14
2 1/4	1 1/4	2.75	1.660	EZ27169A7UMG	.120x7	3	5/8x12	14
2 1/4	2	2.75	2.375	EZ27239A7UMG	.156x7	3	5/8x12	14
3	2	3.80	2.375	EZ38239A7UMG	.156x7	4	5/8x12	19
3	3	3.80	3.500	EZ38359A7UMG	.203x7	4	5/8x12	19
4	2	4.80	2.375	EZ48239A7UMG	.156x7	4	5/8x12	23
4	3	4.80	3.500	EZ48359A7UMG	.156x7	4	5/8x12	23
4	4	4.80	4.500	EZ48459A7UMG	.203x7	4	5/8x12	23
6	4	6.90	4.500	EZ69459A7UMG	.188x7	6	5/8x12	50
6	6	6.90	6.625	EZ69669A7UMG	.250x7	6	5/8x12	43
6 O.S.	4	7.10	4.500	EZ71459A7UMG	.188x7	6	5/8x12	50
6 O.S.	6	7.10	6.625	EZ71669A7UMG	.250x7	6	5/8x12	43
8	6	9.05	6.625	EZ90669A7UMG	.250x7	8	5/8x12	62
8	8	9.05	8.625	EZ90869A7UMG	.250x7	8	5/8x12	56

Other reducing sizes available.

All Maxi-Grip™ Couplings are epoxy coated.

When ordering, please specify size and catalog number.