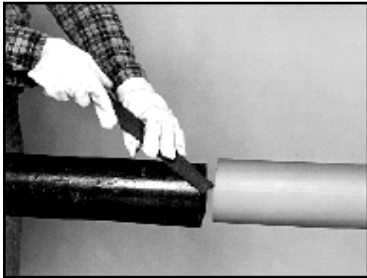


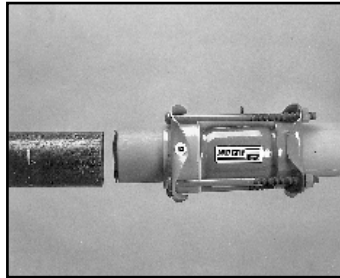


Class III-EZ Cast Iron Reducing to IPS Insulating on Cast Iron-Pipe End INSTALLATION INSTRUCTIONS

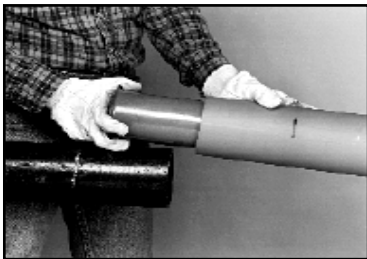
For joining STEEL and PLASTIC pipes IN ANY COMBINATION



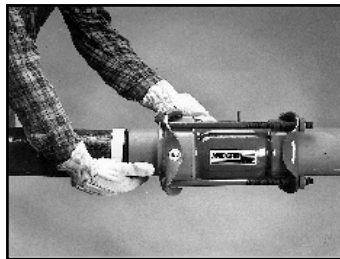
1. Clean pipe ends at least 6" back from end, removing dirt, rust, oil and scale. Pipe ends must be cut square (straight) and be free of longitudinal grooves. NOTE: Leave a 1" minimum gap between pipe ends for the spacer ring. Gap should not exceed 2".



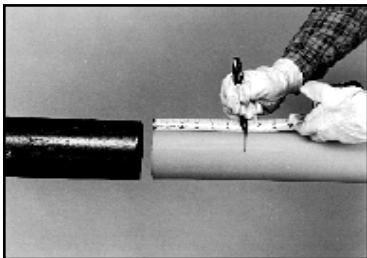
6. Pull coupling entirely onto one pipe (if reducing, pull onto smaller pipe). If coupling does not stab easily onto pipe, see other side of these instructions. NOTE: Max pipe deflection should not exceed 2° at each pipe end.



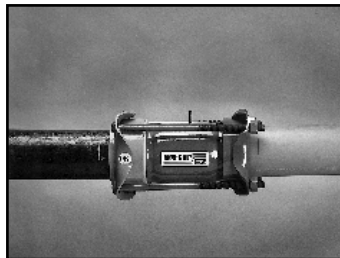
2. When joining non-metallic pipe, insert a properly sized metallic stiffener into non-metallic pipe end(s). The stiffener must be at least 7" long and be marked with the same SDR as the pipe.



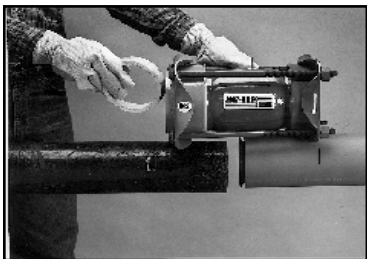
7. Hold spacer ring between pipes while backing coupling over other pipe.



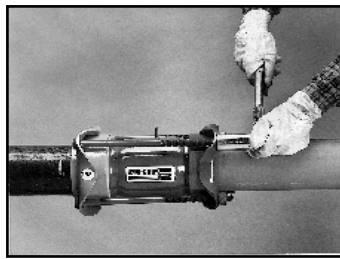
3. Mark each pipe 6" back from end.



8. Center coupling between marks on pipes.

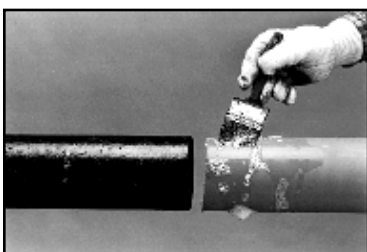


4. Remove spacer ring from inside of coupling. (See other side of instructions for insulator details.) Note: Spacer ring not needed when joining to non-metallic pipe.



9. Torque nuts fully and evenly, in uniform increments, in a criss-cross pattern for all sizes to:

90 ft-lbs +/- 10 ft-lbs



5. Lubricate pipes and coupling gaskets.

Tensile Rating Per DOT 192.283 (b)

PIPE DIAMETER		CATALOG NUMBER	CERTIFIED PER CFR 49 PART 192.283 (B)*	
NOMINAL	ACTUAL		PE 2306/2406	PE 3406/3408
2 to 1-1/4	2.50/1.66	EZ25169A7UMG	SDR 10	SDR 9.33
2 to 2	2.50/2.375	EZ25239A7UMG	SDR 11	SDR 9.33
2-1/4 to 1-1/4	2.75/1.66	EZ27169A7UMG	SDR 10	SDR 9.33
2-1/4 to 2	2.75/2.375	EZ27239A7UMG	SDR 11	SDR 9.33
3.8 to 2	3.80/2.375	EZ38239A7UMG	SDR 11	SDR 9.33
3.8 to 3	3.80/3.50	EZ38359A7UMG	SDR 11	SDR 9.33
4.8 to 2	4.80/2.375	EZ48239A7UMG	SDR 11	SDR 9.33
4.8 to 3	4.80/3.50	EZ48359A7UMG	SDR 11	SDR 9.33
4.8 to 4	4.80/4.50	EZ48459A7UMG	SDR 11	SDR 9.33
6.9 to 4	6.90/4.50	EZ69459A7UMG	SDR 11	SDR 9.33
6.9 to 6	6.90/6.625	EZ69669A7UMG	SDR 11	SDR 11
7.1 to 4	7.10/4.50	EZ71459A7UMG	SDR 11	SDR 9.33
7.1 to 6	7.10/6.625	EZ71669A7UMG	SDR 11	SDR 11
9.05 to 8	9.05/6.625	EZ9069A7UMG	SDR 11	SDR 11

**PRESSURE RATING
150 WOG**

CAST IRON TO PLASTIC OR STEEL MAXI-GRIP™ EZ

DISASSEMBLY INSTRUCTIONS

Most installations should not require disassembly of the Maxi-Grip™ EZ coupling. If a coupling does not stab, loosen the nuts and then gently attempt to pull the coupling onto the pipe.

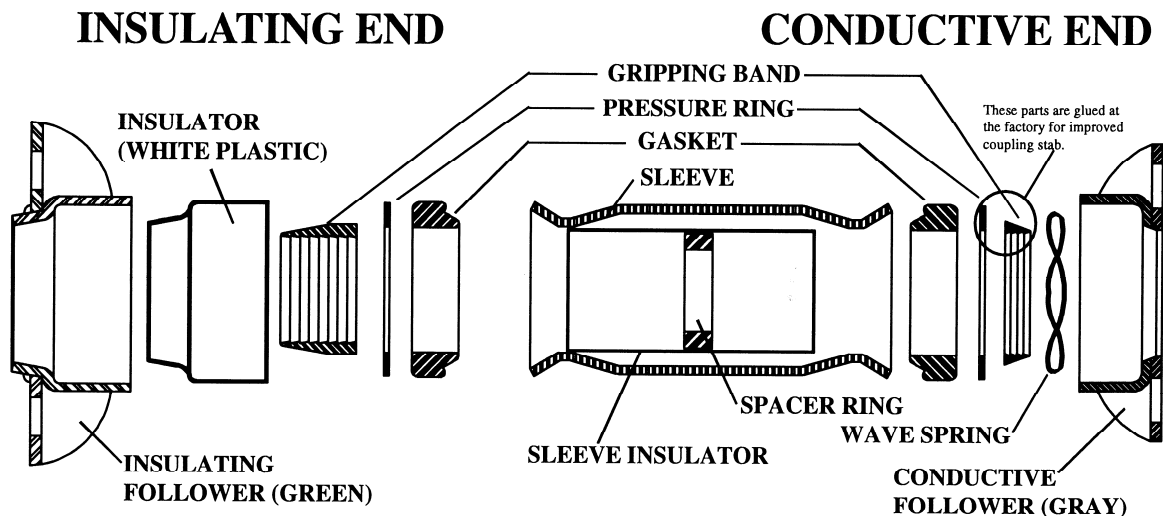
If the coupling must be disassembled for installation (such as in tight spaces or on out-of-round pipe), observe the following guidelines:

- 1) **Prepare pipes** as per instructions 1 thru 5 on other side.
- 2) **Remove nuts** (and bolts) from coupling, but keep all component parts within each follower.
- 3) **Slide each follower** (with internal components) onto its respective pipe.
- 4) **Remove spacer ring** from inside of coupling and place between pipe ends.

NOTE: See Insulator Detail Below

- 5) **Center Barrel** (Sleeve) between marks on pipes. Be sure that sleeve insulator remains in sleeve.
- 6) **Bring each follower back against sleeve.** Be sure to keep components evenly aligned with pipe.
- 7) **Replace bolts and nuts** and tighten fully to a minimum torque of 80 Ft.-Lbs. and a maximum of 100 Ft. Lbs.

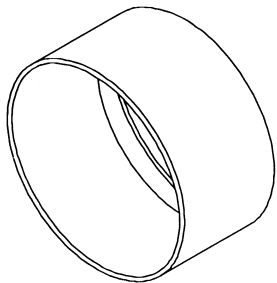
Note: In extreme cases it may be necessary to slide component parts individually onto each pipe. In this case, slide the parts onto each pipe as indicated below.



SLEEVE INSULATOR SYSTEMS

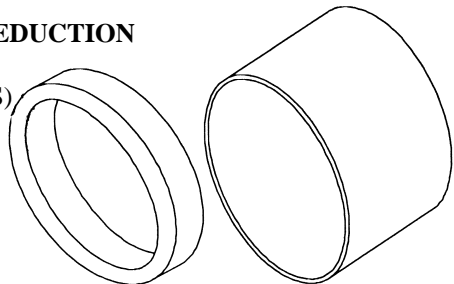
FOR DOUBLE REDUCTION COUPLINGS
(IE 4.8 CI to 3 IPS)

1 PIECE MOLDED INSULATOR



FOR SINGLE REDUCTION COUPLINGS
(IE 4.8 CI to 3 IPS)

2 PIECE BOOT AND SPACER INSULATOR



Smith-Blair, Inc.