



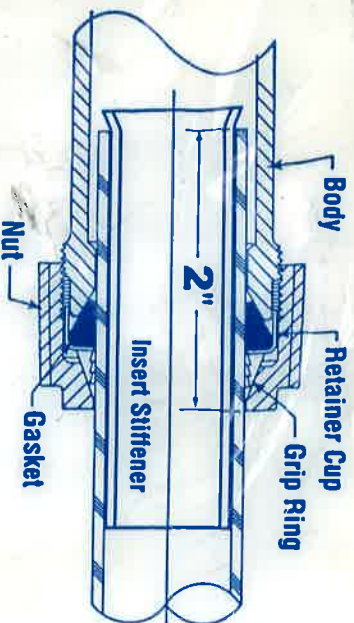
INSTALLATION INSTRUCTIONS

Style 90 "Universal" Couplings & Fittings

FOR P.E. to P.E., P.E. to Steel & Steel to Steel

(For use on polyethylene pipe listed in ASTM D2513)

- Clean steel pipe ends to bare metal removing oil, dirt, loose scale, and rust. Polyethylene pipe must be free of dirt, longitudinal scratches, grooves & burrs for a distance of 4" when using 5" long bodies or fittings & 7" on 10" long bodies.
- On all P. E. pipe ends, the recommended Dresser insert stiffener must be installed. Before inserting in pipe end, each insert should be checked to ensure that the SDR indicated on the branding corresponds to the SDR of the pipe being used.
- Remove plastic identification plug from nut, then loosen nut (DO NOT DISASSEMBLE) and check inside of the fitting to assure gasket and grip ring are loose and free of dirt or foreign matter.
- Apply soap-water to the gaskets, only when installing on steel pipe (anti-freeze may be added in freezing weather).
- Mark each pipe 2" from pipe end. Stab the pipe end(s) into the fitting or coupling until the mark on the pipe is even with the edge of the nut or inside the nut.
CAUTION: A minimum of 1/2" is required between the pipe ends or pipe end and pipe stop in fitting when connecting steel pipe(s).
- Tighten nut(s) independently while holding the body from rotating with a 100 lb. minimum pull on the recommended wrench size.



Nom. Pipe Size (ID)	Wrench Size
3/4"	14"
1"	18"
1-1/4"	18"
1-1/2"	24"
2"	24"

WARNING

Use proper stiffener in P. E. pipe end. Improper stiffener could result in escaping gas that could ignite and cause property damage, serious injury or death.

WARNING

You MUST mark and stab the pipe into the fitting to the proper slab depth. Failure to do so could result in escaping gas that could ignite and cause property damage, serious injury or death.

WARNING

Do not butt pipe ends in the coupling. Butted steel pipe ends could result in escaping gas that could ignite and cause property damage, serious injury or death.

Product Rating For Couplings With Same Pipe Diameter On Both Ends (For Reducing Sizes, The Rating For The Smallest Diameter Applies)

Pipe Size	Max. Sealing Pressure (See Note 2)	Max. Steel Pipe Pullout Resistance	Polyethylene Pipe Pullout Resistance Up To The Max. Wall Listed In Table Meets Or Exceeds The Requirements Specified in D.O.T. 192.283(b) (See Note 1)	
			Type 2306	Type 3406/3408
3/4"	1,050	1300 lbs.	SDR 11	Sch. 40
1"	1,315	1500 lbs.	SDR 11	SDR 9.3
1-1/4"	1,660	2100 lbs.	SDR 10	SDR 9.3
1-1/2"	1,900	3200 lbs.	-----	SDR 11
2"	2,375	3700 lbs.	SDR 9.3	SDR 9.3

NOTE 1 - Pullout resistance is based on using Dresser reinforcing pipe inserts.
NOTE 2 - Unless noted on body.



Piping Specialties

Dresser, Inc.

41 Fisher Ave., Bradford, PA 16701

0001-0665-999
REV. 12/99



INSTALLATION INSTRUCTIONS

Style 90 "Universal" Couplings & Fittings

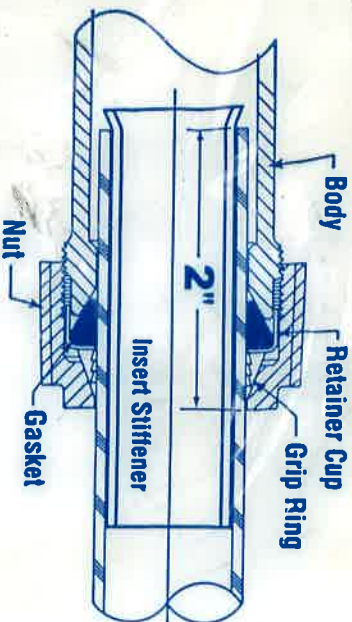
For P.E. to P.E., P.E. to Steel & Steel to Steel

(For use on polyethylene pipe listed in ASTM D2513)

- Clean steel pipe ends to bare metal removing oil, dirt, loose scale, and rust. Polyethylene pipe must be free of dirt, longitudinal scratches, grooves & burrs for a distance of 4" when using 5" long bodies or fittings & 7" on 10" long bodies.
- On all P. E. pipe ends, the recommended Dresser insert stiffener must be installed. Before inserting in pipe end, each insert should be checked to ensure that the SDR indicated on the branding corresponds to the SDR of the pipe being used.
- Remove plastic identification plug from nut, then loosen nut (DO NOT DISASSEMBLE) and check inside of the fitting to assure gasket and grip ring are loose and free of dirt or foreign matter.
- Apply soap-water to the gaskets, only when installing on steel pipe (anti-freeze may be added in freezing weather).
- Mark each pipe 2" from pipe end. Stab the pipe end(s) into the fitting or coupling until the mark on the pipe is even with the edge of the nut or inside the nut.

CAUTION: A minimum of 1/2" is required between the pipe ends or pipe end and pipe stop in fitting when connecting steel pipe(s).

- Tighten nut(s) independently while holding the body from rotating with a 100 lb. minimum pull on the recommended wrench size.



Nom. Pipe Size (ID)	Wrench Size
3/4"	14"
1"	18"
1-1/4"	18"
1-1/2"	24"
2"	24"

WARNING

Use proper stiffener in P.E. pipe end. Improper stiffener could result in escaping gas that could ignite and cause property damage, serious injury or death.

WARNING

You MUST mark and stab the pipe into the fitting to the proper stab depth. Failure to do so could result in escaping gas that could ignite and cause property damage, serious injury or death.

WARNING

Do not butt pipe ends in the coupling. Buried steel pipe ends could result in escaping gas that could ignite and cause property damage, serious injury or death.

Product Rating For Couplings With Same Pipe Diameter On Both Ends (For Reducing Sizes, The Rating For The Smallest Diameter Applies)

Pipe Size	Max. Sealing Pressure (See Note 2)	Max. Steel Pipe Pullout Resistance	Polyethylene Pipe Pullout Resistance Up To The Max. Wall Listed In Table Meets Or Exceeds The Requirements Specified in D.O.T. 192.283(b) (See Note 1)	
			Type 2306	Type 3406/3408
3/4"	1,050	150 P.S.I.	SDR 11	Sch. 40
1"	1,315	150 P.S.I.	SDR 11	SDR 9.3
1-1/4"	1,660	150 P.S.I.	SDR 10	SDR 9.3
1-1/2"	1,900	150 P.S.I.	-----	SDR 11
2"	2,375	150 P.S.I.	SDR 9.3	SDR 9.3

NOTE 1 - Pullout resistance is based on using Dresser reinforcing pipe inserts.
NOTE 2 - Unless noted on body.



Piping Specialties
Dresser, Inc.
41 Fisher Ave., Bradford, PA 16701

0001-0665-999
REV. 12/99