

Style 90 Insulated Restraining Coupling

For Cathodic Protection on Seal & Restraining Steel to Steel and Steel to P. E. Pipe* Connections

The time-proven Dresser Style 90 Coupling now in an insulating version. This coupling can be used to make quick pipe joints when positive restraint AND electrical isolation are required. The Dresser Style 90 Insulated Restraining coupling joins steel to steel and steel to polyethylene pipes listed in ASTM D2513.

Installation is Quick, Easy...

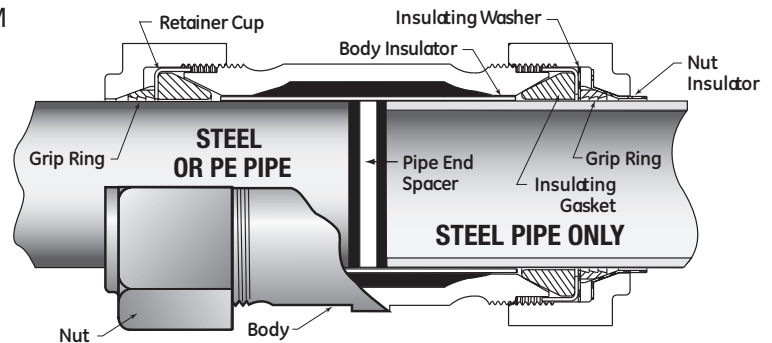
Like the Style 90 fitting, the insulating coupling is easily installed using only a common pipe wrench. Pipe ends are stabbed without disassembling the coupling, thus reducing the risk of lost parts in the ditch.

Positive Pipe Restraint...

The Style 90 restraining design creates a positive pipe restraint. As the installer tightens the nut, the gasket is compressed and the grip ring engages the pipe end creating a strong grip. This gripping action increases as internal pressure, thermal contraction of the pipe or other forces attempt to pull the pipe out of the coupling. Pipe joints made in accordance with the Dresser Style 90 Insulated Restraining installation instructions meet or exceed the requirements of D.O.T. 192.283(b).

Electrical Isolation...

Dresser Grade 41 gaskets and dielectric plastic components provide electrical isolation of the coupling from the pipe on which it is installed. These materials have been employed for many years in other Dresser natural gas products when electrical isolation is required.



Sizes and Configurations...

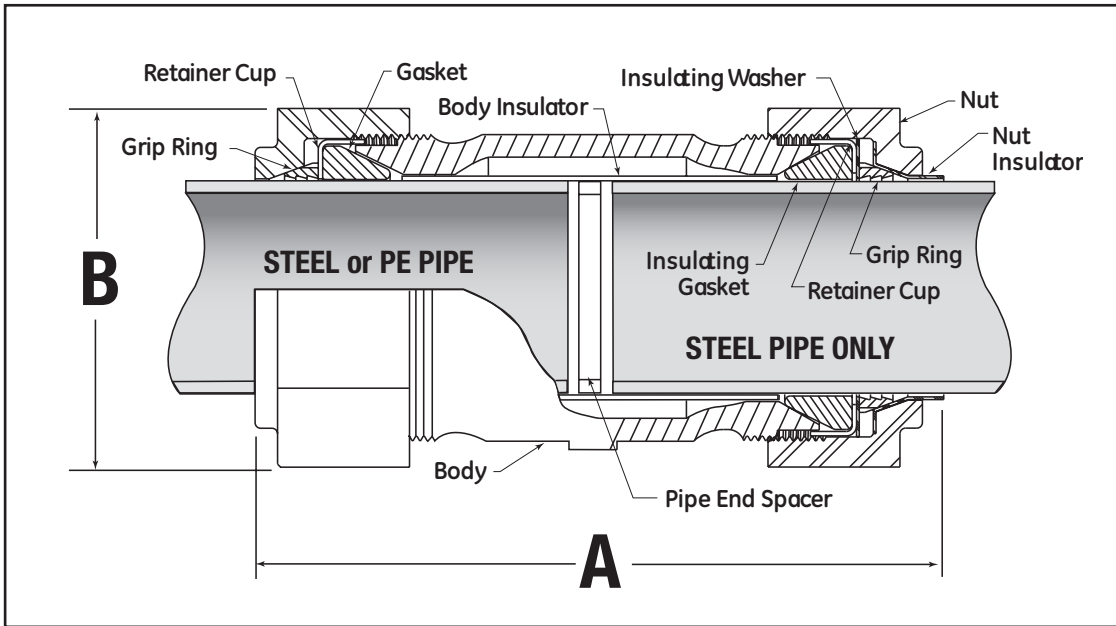
The Style 90 Insulated Restraining coupling is available in 3/4", 1", 1-1/4", 1-1/2" and 2" nominal IPS sizes. Dresser furnishes insert stiffeners for PE pipe in all SDR sizes commonly used in polyethylene piping systems. The insulating restraining end connection can also be supplied on reducing couplings, IPS by CTS transitions, service tees, valves and threaded adapters. (See back for size specifications)

Factory-applied Coatings...

Style 90 Insulated Restraining couplings can be supplied with E-coat or Plastisol coating, which offers quality no field coating can approach. Anode connectors can also be supplied, when required, for additional corrosion control.

*For use on Polyethylene Pipe as listed in ASTM D2513. Proper Dresser insert stiffener must be used.

Style 90 Couplings 3/4" thru 2" Size Specifications



Pipe Nominal Size (I.D.) (In.)	Outside Diameter (O.D.) (In.)	Part Number	Overall Length (A)	Overall Height (B)	Quantity Per Carton	Weight Per Carton
3/4"	1.050	0090-7677-632	7-1/16	2-7/32	20	58
1"	1.315	0090-7678-632	7-1/16	2-9/16	16	54
1-1/4"	1.660	0090-7679-632	7-1/16	3	14	57
1-1/2"	1.900	0090-7680-632	7-1/8	3-3/8	10	52
2"	2.375	0090-7681-632	7-1/4	4	6	42

Product Rating for restraining couplings with same pipe diameter on both ends

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)	
Nom.	O.D.			Type 2306	Type 3406/3408/PE100
3/4"	1.050	150 P.S.I.	1300 lbs.	SDR 11	Schd. 40
1"	1.315	150 P.S.I.	2100 lbs.	SDR 11	SDR 9.3
1-1/4"	1.660	150 P.S.I.	3200 lbs.	SDR 10	SDR 9.3
1-1/2"	1.900	150 P.S.I.	3700 lbs.	----	SDR 11
2"	2.375	150 P.S.I.	6600 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.

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WARNING

STAB MARK

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

WARNING

P.E. PIPE

CHECK SDR

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

WARNING

NO!

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



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