



Style 90 “Universal”

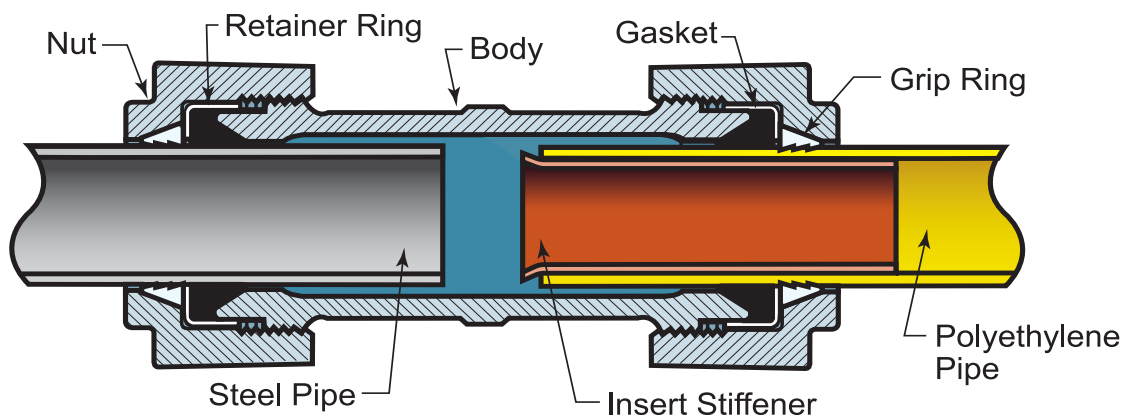
Seal & Restraining Products for Gas

Make quick, reliable connections on any combination of Steel and P. E. Pipe



Style 90 Universal Products

Dresser® Style 90 “Universal” couplings and fittings create a seal & restraining connection when joining any combination of steel and polyethylene pipe!



There's no need for special tools or procedures with the Dresser “Universal” Style 90 product line. With minimal training, you can make quick, consistent and reliable joints on Steel to Steel, Steel to PE, or PE to PE pipe connections...using a common pipe wrench.

The “Universal” Style 90 product line is available in nominal IPS sizes 3/4”, 1”, 1-1/4”, 1-1/2” and 2”. Couplings can be ordered with either 5” or 10” middle rings. Also available are “Universal” ells, street tees, Tap-N-Valve® tees, reducing couplings, male adapters, line caps and curb valves.

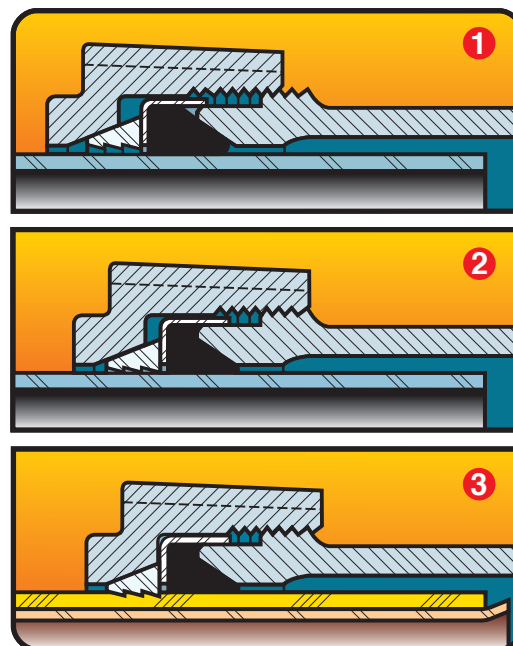
Dresser furnishes insert stiffeners for PE pipe in all SDR sizes commonly used in gas piping systems. Properly assembled plastic pipe joints made with the Dresser “Universal” Style 90 product line meet or exceed the requirements of D.O.T. 192.283(b).

Positive Pipe Restraint...

The “Universal” Style 90 locking design creates a positive pipe restraint. As the nut is tightened, it compresses the gasket, which forces the steel lock rings to collapse around the pipe end creating a strong grip. This gripping action actually increases as the pipe moves or attempts to pull out of the coupling.

Factory Applied Coatings...

“Universal” Style 90 couplings and fittings can be supplied with Dresser AL-CLAD™ factory-applied plastisol coating, which offers quality and integrity no field coating can approach. Plus, high dielectric strength in cathodically protected systems, and resistance to soil stress and fungi.



Illustrated above shows the Style 90 “Universal” end before tightening (1), after tightening onto steel pipe (2), and after tightening onto polyethylene pipe (3).



NOTE: Never install these products before reading the Installation Instructions and Warnings.

UNIVERSAL STYLE 90 - Seal & Restraining Connections

Couplings, Reducing Couplings, Ells

For Joining Steel Pipe to Steel Pipe

Nominal Size (I.D.) (In.)	Outside Diameter (O.D.) (In.)	SDR	E-Coat Part Number	Plastisol Part Number	Overall Dimensions						Dimension Drawing
					A	B	C	D	E	F	
COUPLINGS WITH 5" MIDDLE RING — STEEL x STEEL											
3/4	1.050	--	0090-5001-632	0090-5001-278	6 ¹³ / ₁₆	2 ⁷ / ₃₂	--	--	--	--	
1	1.315	--	0090-5002-632	0090-5002-278	6 ¹³ / ₁₆	2 ⁹ / ₁₆	--	--	--	--	
1 1/4	1.660	--	0090-5003-632	0090-5003-278	6 ¹³ / ₁₆	3	--	--	--	--	
1 1/2	1.900	--	0090-5004-632	0090-5004-278	6 ⁷ / ₈	3 ³ / ₈	--	--	--	--	
2	2.375	--	0090-5005-632	0090-5005-278	7	4	--	--	--	--	
COUPLINGS WITH 10" MIDDLE RING — STEEL x STEEL											
3/4	1.050	--	0090-5026-632	0090-5026-278	11 ¹³ / ₁₆	2 ⁷ / ₃₂	--	--	--	--	
1	1.315	--	0090-5027-632	0090-5027-278	11 ¹³ / ₁₆	2 ⁹ / ₁₆	--	--	--	--	
1 1/4	1.660	--	0090-5028-632	0090-5028-278	11 ¹³ / ₁₆	3	--	--	--	--	
1 1/2	1.900	--	0090-5029-632	0090-5029-278	11 ⁷ / ₈	3 ³ / ₈	--	--	--	--	
2	2.375	--	0090-5030-632	0090-5030-278	12	4	--	--	--	--	
REDUCING COUPLINGS — STEEL x STEEL											
1 x 3/4	--	--	0090-5016-632	0090-5016-278	2 ⁹ / ₁₆	5	6 ⁷ / ₈	2 ¹ / ₄	--	--	
1 1/4 x 3/4	--	--	0090-5017-632	0090-5017-278	3	5	6 ⁷ / ₈	2 ¹ / ₄	--	--	
1 1/4 x 1	--	--	0090-5018-632	0090-5018-278	3	5	6 ⁷ / ₈	2 ⁹ / ₁₆	--	--	
1 1/2 x 3/4	--	--	0090-5019-632	0090-5019-278	3 ³ / ₈	4 ³ / ₄	6 ¹¹ / ₁₆	2 ¹ / ₄	--	--	
1 1/2 x 1	--	--	0090-5020-632	0090-5020-278	3 ³ / ₈	5	6 ¹⁵ / ₁₆	2 ⁹ / ₁₆	--	--	
1 1/2 x 1 1/4	--	--	0090-5022-632	0090-5022-278	3 ³ / ₈	5	6 ¹⁵ / ₁₆	3	--	--	
2 x 3/4	--	--	0090-5023-632	0090-5023-278	4	4 ⁷ / ₈	6 ⁷ / ₈	2 ¹ / ₄	--	--	
2 x 1	--	--	0090-5024-632	0090-5024-278	4	5 ¹ / ₂	7 ¹ / ₂	2 ⁹ / ₁₆	--	--	
2 x 1 1/4	--	--	0090-5021-632	0090-5021-278	4	5	7	3	--	--	
2 x 1 1/2	--	--	0090-5025-632	0090-5025-278	4	5	7 ¹ / ₁₆	3 ³ / ₈	--	--	
90° ELL — STEEL x STEEL											
3/4	1.050	--	0090-5214-632	0090-5214-278	3 ²⁵ / ₃₂	2 ⁷ / ₃₂	--	--	--	--	
1	1.315	--	0090-5216-632	0090-5216-278	3 ²⁷ / ₃₂	2 ⁹ / ₁₆	--	--	--	--	
1 1/4	1.660	--	0090-5218-632	0090-5218-278	3 ²⁹ / ₃₂	3	--	--	--	--	
1 1/2	1.900	--	0090-5220-632	0090-5220-278	4 ⁵ / ₈	3 ³ / ₈	--	--	--	--	
2	2.375	--	0090-5222-632	0090-5222-278	4 ³ / ₄	4	--	--	--	--	
PLAIN END STREET ELL — STEEL x STEEL											
3/4	1.050	--	0090-5277-632	0090-5277-278	3 ²⁵ / ₃₂	2 ⁷ / ₃₂	3 ⁹ / ₁₆	--	--	--	
1	1.315	--	0090-5279-632	0090-5279-278	3 ²⁵ / ₃₂	2 ⁹ / ₁₆	3 ³ / ₈	--	--	--	
1 1/4	1.660	--	0090-5281-632	0090-5281-278	3 ²⁵ / ₃₂	3	4	--	--	--	
1 1/2	1.900	--	0090-5283-632	0090-5283-278	4 ¹ / ₂	3 ³ / ₈	4 ⁵ / ₁₆	--	--	--	
2	2.375	--	0090-5285-632	0090-5285-278	4 ⁵ / ₈	4	5 ¹ / ₈	--	--	--	
THREADED END STREET ELL — STEEL x STEEL											
1	1.315	--	0090-5291-632	0090-5291-278	3 ²⁵ / ₃₂	2 ⁹ / ₁₆	1	2 ⁵ / ₁₆	--	--	
1 1/4	1.660	--	0090-5293-632	0090-5293-278	3 ²⁵ / ₃₂	3	1 ¹ / ₄	2 ⁷ / ₈	--	--	
2	2.375	--	0090-5297-632	0090-5297-278	4 ⁵ / ₈	4	2	3 ¹ / ₂	--	--	

NOTE: For Anode Connector, change detail code to: -682 for E-Coat or -283 for Plastisol.

UNIVERSAL STYLE 90 - Seal & Restraining Connections

Street Tees, Compression Tees, Adapters & Line Caps For Joining Steel Pipe to Steel Pipe

Nominal Size (I.D.) (In.)	Outside Diameter (O.D.) (In.)	SDR	E-Coat Part Number	Plastisol Part Number	Overall Dimensions						Dimension Drawing
					A	B	C	D	E	F	
STREET TEE (FIPS x MIPS x I.D.) — STEEL x STEEL											
3/4	1.050	--	0090-5327-632	0090-5327-278	3 ²⁵ / ₃₂	2 ⁷ / ₃₂	3/4	3/4	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	
1	1.315	--	0090-5329-632	0090-5329-278	3 ²⁵ / ₃₂	2 ⁹ / ₁₆	1	1	1 ⁵ / ₈	2 ³ / ₄	
1 1/4	1.660	--	0090-5331-632	0090-5331-278	3 ²⁵ / ₃₂	3	1 1/4	1 1/4	1 ¹³ / ₁₆	2 ⁷ / ₈	
1 1/2	1.900	--	0090-5333-632	0090-5333-278	4 ¹ / ₂	3 ³ / ₈	1 1/2	1 1/2	2	3 ¹ / ₁₆	
2	2.375	--	0090-5335-632	0090-5335-278	4 ⁵ / ₈	4	2	2	2 ⁵ / ₁₆	3 ⁵ / ₁₆	
REDUCING STREET TEE (FIPS x MIPS x I.D.) — STEEL x STEEL											
1 1/4 x 1 1/4 x 1	--	--	0090-5453-632	0090-5453-278	3 ¹³ / ₃₂	2 ⁹ / ₁₆	1 1/4	1 1/4	1 ³ / ₄	2 ³ / ₄	
1 1/4 x 1 x 1 1/4	--	--	0090-5457-632	0090-5457-278	3 ²⁵ / ₃₂	3	1	1 1/4	1 ¹³ / ₁₆	2 ⁷ / ₈	
1 1/2 x 1 1/2 x 1 1/4	--	--	0090-5459-632	0090-5459-278	3 ²⁹ / ₃₂	3	1 1/2	1 1/2	2	2 ⁷ / ₈	
1 1/2 x 1 1/4 x 1 1/2	--	--	0090-5464-632	0090-5464-278	3 ¹³ / ₁₆	3 ³ / ₈	1 1/4	1 1/2	2	3 ¹ / ₈	
2 x 1 1/4 x 2	--	--	0090-5469-632	0090-5469-278	4 ⁵ / ₈	4	1 1/4	2	2 ⁵ / ₁₆	3 ³ / ₈	
2 x 1 1/2 x 2	--	--	0090-5471-632	0090-5471-278	4 ⁵ / ₈	4	1 1/2	2	2 ⁵ / ₁₆	3 ⁵ / ₁₆	
ALL COMPRESSION TEE — STEEL x STEEL											
3/4	1.050	--	0090-5377-632	0090-5377-278	3 ²⁷ / ₃₂	2 ⁷ / ₃₂	--	--	--	--	
1	1.315	--	0090-5379-632	0090-5379-278	3 ²⁷ / ₃₂	2 ⁹ / ₁₆	--	--	--	--	
1 1/4	1.660	--	0090-5381-632	0090-5381-278	3 ²⁷ / ₃₂	3	--	--	--	--	
2	2.375	--	0090-5385-632	0090-5385-278	4 ³ / ₄	4	--	--	--	--	
MALE ADAPTER — STEEL x STEEL											
3/4	1.050	--	0090-5427-632	0090-5427-278	2 ¹ / ₄	3 ¹³ / ₁₆	4 ¹³ / ₁₆	--	--	--	
1	1.315	--	0090-5429-632	0090-5429-278	2 ⁹ / ₁₆	3 ¹³ / ₁₆	4 ³ / ₄	--	--	--	
1 1/4	1.660	--	0090-5431-632	0090-5431-278	3	3 ⁷ / ₈	4 ¹³ / ₁₆	--	--	--	
2	2.375	--	0090-5435-632	0090-5435-278	4	4	5 ¹ / ₁₆	--	--	--	
LINE CAP — STEEL x STEEL											
3/4	1.050	--	0090-5076-632	0090-5076-278	3 ¹ / ₄	2 ⁷ / ₃₂	--	--	--	--	
1	1.315	--	0090-5077-632	0090-5077-278	3 ¹¹ / ₁₆	2 ⁹ / ₁₆	--	--	--	--	
1 1/4	1.660	--	0090-5078-632	0090-5078-278	3 ¹ / ₄	3	--	--	--	--	
1 1/2	1.900	--	0090-5079-632	0090-5079-278	3 ¹ / ₄	3 ³ / ₈	--	--	--	--	
2	2.375	--	0090-5080-632	0090-5080-278	3 ⁹ / ₁₆	4	--	--	--	--	

NOTE: For Anode Connector, change detail code to: -682 for E-Coat or -283 for Plastisol.

UNIVERSAL STYLE 90 - Seal & Restraining Connections

Couplings, Reducing Couplings, Ells

For Joining Steel Pipe to IPS P.E. Pipe (One Insert Included)

Nominal Size (I.D.) (In.)	Outside Diameter (O.D.) (In.)	SDR	E-Coat Part Number	Plastisol Part Number	Overall Dimensions						Dimension Drawing
					A	B	C	D	E	F	
COUPLINGS WITH 5" MIDDLE RING — STEEL x POLYETHYLENE											
3/4	1.050	11	0090-5102-636	0090-5102-279	6 ¹³ / ₁₆	2 ⁷ / ₃₂	--	--	--	--	
1	1.315	11	0090-5104-636	0090-5104-279	6 ¹³ / ₁₆	2 ⁹ / ₁₆	--	--	--	--	
1 1/4	1.660	9.3	0090-5107-636	0090-5107-279	6 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	10	0090-5105-636	0090-5105-279	6 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	11	0090-5106-636	0090-5106-279	6 ¹³ / ₁₆	3	--	--	--	--	
1 1/2	1.900	11	0090-5108-636	0090-5108-279	6 ⁷ / ₈	3 ³ / ₈	--	--	--	--	
2	2.375	9.3	0090-5111-636	0090-5111-279	7	4	--	--	--	--	
2	2.375	11	0090-5110-636	0090-5110-279	7	4	--	--	--	--	
COUPLINGS WITH 10" MIDDLE RING — STEEL x POLYETHYLENE											
3/4	1.050	11	0090-5127-636	0090-5127-279	11 ¹³ / ₁₆	2 ⁷ / ₃₂	--	--	--	--	
1	1.315	11	0090-5129-636	0090-5129-279	11 ¹³ / ₁₆	2 ⁹ / ₁₆	--	--	--	--	
1 1/4	1.660	9.3	0090-5132-636	0090-5132-279	11 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	10	0090-5130-636	0090-5130-279	11 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	11	0090-5131-636	0090-5131-279	11 ¹³ / ₁₆	3	--	--	--	--	
1 1/2	1.900	11	0090-5133-636	0090-5133-279	11 ⁷ / ₈	3 ³ / ₈	--	--	--	--	
2	2.375	9.3	0090-5136-636	0090-5136-279	12	4	--	--	--	--	
2	2.375	11	0090-5135-636	0090-5135-279	12	4	--	--	--	--	
REDUCING COUPLINGS — STEEL x POLYETHYLENE											
1 x 3/4	--	11	0090-5034-636	0090-5034-279	2 ⁹ / ₁₆	5	6 ⁷ / ₈	2 ¹ / ₄	--	--	
1 1/4 x 3/4	--	11	0090-5035-636	0090-5035-279	3	5	6 ⁷ / ₈	2 ¹ / ₄	--	--	
1 1/4 x 1	--	9.3	0090-5036-636	0090-5036-279	3	5	6 ⁷ / ₈	2 ⁹ / ₁₆	--	--	
1 1/4 x 1	--	11	0090-5043-636	0090-5043-279	3	5	6 ⁷ / ₈	2 ⁹ / ₁₆	--	--	
1 1/2 x 3/4	--	11	0090-5049-636	0090-5049-279	3 ³ / ₈	4 ³ / ₄	6 ¹¹ / ₁₆	2 ¹ / ₄	--	--	
1 1/2 x 1	--	9.3	0090-5044-636	0090-5044-279	3 ³ / ₈	5	6 ¹⁵ / ₁₆	2 ⁹ / ₁₆	--	--	
1 1/2 x 1	--	11	0090-5045-636	0090-5045-279	3 ³ / ₈	5	6 ¹⁵ / ₁₆	2 ⁹ / ₁₆	--	--	
1 1/2 x 1 1/4	--	9.3	0090-5046-636	0090-5046-279	3 ³ / ₈	5	6 ¹⁵ / ₁₆	3	--	--	
1 1/2 x 1 1/4	--	10	0090-5047-636	0090-5047-279	3 ³ / ₈	5	6 ¹⁵ / ₁₆	3	--	--	
1 1/2 x 1 1/4	--	11	0090-5048-636	0090-5048-279	3 ³ / ₈	5	6 ¹⁵ / ₁₆	3	--	--	
2 x 3/4	--	11	0090-5050-636	0090-5050-279	4	4 ⁷ / ₈	6 ⁷ / ₈	2 ¹ / ₄	--	--	
2 x 1	--	9.3	0090-5037-636	0090-5037-279	4	5 ¹ / ₂	7 ¹ / ₂	2 ⁹ / ₁₆	--	--	
2 x 1	--	11	0090-5038-636	0090-5038-279	4	5 ¹ / ₂	7 ¹ / ₂	2 ⁹ / ₁₆	--	--	
2 x 1 1/4	--	9.3	0090-5039-636	0090-5039-279	4	5	7	3	--	--	
2 x 1 1/4	--	10	0090-5040-636	0090-5040-279	4	5	7	3	--	--	
2 x 1 1/4	--	11	0090-5041-636	0090-5041-279	4	5	7	3	--	--	
2 x 1 1/2	--	11	0090-5042-636	0090-5042-279	4	5	7 ¹ / ₁₆	3 ³ / ₈	--	--	
90° ELL — STEEL x POLYETHYLENE											
3/4	1.050	11	0090-5252-636	0090-5252-279	3 ²⁵ / ₃₂	2 ⁷ / ₃₂	--	--	--	--	
1	1.315	9.3	0090-5253-636	0090-5253-279	3 ²⁷ / ₃₂	2 ⁹ / ₁₆	--	--	--	--	
1	1.315	11	0090-5254-636	0090-5254-279	3 ²⁷ / ₃₂	2 ⁹ / ₁₆	--	--	--	--	
1 1/4	1.660	9.3	0090-5258-636	0090-5258-279	3 ²⁹ / ₃₂	3	--	--	--	--	
1 1/4	1.660	10	0090-5256-636	0090-5256-279	3 ²⁹ / ₃₂	3	--	--	--	--	
1 1/4	1.660	11	0090-5257-636	0090-5257-279	3 ²⁹ / ₃₂	3	--	--	--	--	
1 1/2	1.900	11	0090-5259-636	0090-5259-279	4 ⁵ / ₈	3 ³ / ₈	--	--	--	--	
2	2.375	9.3	0090-5262-636	0090-5262-279	4 ³ / ₄	4	--	--	--	--	
2	2.375	11	0090-5261-636	0090-5261-279	4 ³ / ₄	4	--	--	--	--	

NOTE: For Anode Connector SxP, change detail code to: -683 for E-Coat or -284 for Plastisol.

UNIVERSAL STYLE 90 - Seal & Restraining Connections

Street Ells, Street Tees

For Joining Steel Pipe to IPS P.E. Pipe (One Insert Included)

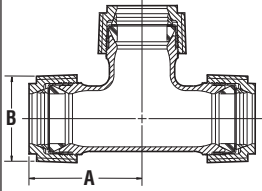
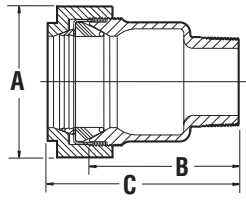
Nominal Size (I.D.) (In.)	Outside Diameter (O.D.) (In.)	SDR	E-Coat Part Number	Plastisol Part Number	Overall Dimensions						Dimension Drawing
					A	B	C	D	E	F	
PLAIN END STREET ELL -- STEEL x POLYETHYLENE -- SEAL & RESTRAINT											
3/4	1.050	11	0090-5302-636	0090-5302-279	3 ²⁵ / ₃₂	2 ⁷ / ₃₂	3 ⁹ / ₁₆	--	--	--	
1	1.315	11	0090-5304-636	0090-5304-279	3 ²⁵ / ₃₂	2 ⁹ / ₁₆	3 ³ / ₈	--	--	--	
1 1/4	1.660	9.3	0090-5307-636	0090-5307-279	3 ²⁵ / ₃₂	3	4	--	--	--	
1 1/4	1.660	10	0090-5305-636	0090-5305-279	3 ²⁵ / ₃₂	3	4	--	--	--	
1 1/4	1.660	11	0090-5306-636	0090-5306-279	3 ²⁵ / ₃₂	3	4	--	--	--	
1 1/2	1.900	11	0090-5308-636	0090-5308-279	4 ¹ / ₂	3 ³ / ₈	4 ⁵ / ₁₆	--	--	--	
2	2.375	9.3	0090-5311-636	0090-5311-279	4 ⁵ / ₈	4	5 ¹ / ₈	--	--	--	
2	2.375	11	0090-5310-636	0090-5310-279	4 ⁵ / ₈	4	5 ¹ / ₈	--	--	--	
THREADED END STREET ELL — STEEL x POLYETHYLENE											
3/4	1.050	11	0090-5314-636	0090-5314-279	3 ²⁵ / ₃₂	2 ⁷ / ₃₂	3/4	2	--	--	
1	1.315	11	0090-5316-636	0090-5316-279	3 ²⁵ / ₃₂	2 ⁹ / ₁₆	1	2 ⁵ / ₁₆	--	--	
1 1/4	1.660	9.3	0090-5319-636	0090-5319-279	3 ²⁵ / ₃₂	3	1 1/4	2 ⁷ / ₈	--	--	
1 1/4	1.660	10	0090-5317-636	0090-5317-279	3 ²⁵ / ₃₂	3	1 1/4	2 ⁷ / ₈	--	--	
1 1/4	1.660	11	0090-5318-636	0090-5318-279	3 ²⁵ / ₃₂	3	1 1/4	2 ⁷ / ₈	--	--	
1 1/2	1.900	11	0090-5320-636	0090-5320-279	4 ¹ / ₂	3 ³ / ₈	1 1/2	2 ⁷ / ₈	--	--	
2	2.375	9.3	0090-5323-636	0090-5323-279	4 ⁵ / ₈	4	2	3 ¹ / ₂	--	--	
2	2.375	11	0090-5322-636	0090-5322-279	4 ⁵ / ₈	4	2	3 ¹ / ₂	--	--	
STREET TEE -- STEEL x POLYETHYLENE											
3/4	1.050	11	0090-5352-636	0090-5352-279	3 ²⁵ / ₃₂	2 ⁷ / ₃₂	3/4	3/4	1 ¹⁵ / ₁₆	2 ¹ / ₁₆	
1	1.315	11	0090-5354-636	0090-5354-279	3 ²⁵ / ₃₂	2 ⁹ / ₁₆	1	1	1 ⁵ / ₈	2 ³ / ₄	
1 1/4	1.660	9.3	0090-5357-636	0090-5357-279	3 ²⁵ / ₃₂	3	1 1/4	1 1/4	1 ¹³ / ₁₆	2 ⁷ / ₈	
1 1/4	1.660	10	0090-5355-636	0090-5355-279	3 ²⁵ / ₃₂	3	1 1/4	1 1/4	1 ¹³ / ₁₆	2 ⁷ / ₈	
1 1/4	1.660	11	0090-5356-636	0090-5356-279	3 ²⁵ / ₃₂	3	1 1/4	1 1/4	1 ¹³ / ₁₆	2 ⁷ / ₈	
1 1/2	1.900	11	0090-5358-636	0090-5358-279	4 ¹ / ₂	3 ³ / ₈	1 1/2	1 1/2	2	3 ¹ / ₁₆	
2	2.375	9.3	0090-5361-636	0090-5361-279	4 ⁵ / ₈	4	2	2	2 ⁵ / ₁₆	3 ⁵ / ₁₆	
2	2.375	11	0090-5360-636	0090-5360-279	4 ⁵ / ₈	4	2	2	2 ⁵ / ₁₆	3 ⁵ / ₁₆	
REDUCING STREET TEE (FIPS x MIPS x I.D.) — STEEL x POLYETHYLENE											
1 1/4 x 1 1/4 x 1	--	11	0090-5477-636	0090-5477-279	3 ¹³ / ₃₂	2 ⁹ / ₁₆	1 1/4	1 1/4	1 ³ / ₄	2 ³ / ₄	
1 1/4 x 1 x 1 1/4	--	9.3	0090-5480-636	0090-5480-279	3 ²⁵ / ₃₂	3	1	1 1/4	1 ¹³ / ₁₆	2 ⁷ / ₈	
1 1/4 x 1 x 1 1/4	--	10	0090-5481-636	0090-5481-279	3 ²⁵ / ₃₂	3	1	1 1/4	1 ¹³ / ₁₆	2 ⁷ / ₈	
1 1/4 x 1 x 1 1/4	--	11	0090-5482-636	0090-5482-279	3 ²⁵ / ₃₂	3	1	1 1/4	1 ¹³ / ₁₆	2 ⁷ / ₈	
1 1/2 x 1 1/2 x 1 1/4	--	9.3	0090-5487-636	0090-5487-279	3 ²⁹ / ₃₂	3	1 1/2	1 1/2	2	2 ⁷ / ₈	
1 1/2 x 1 1/2 x 1 1/4	--	10	0090-5485-636	0090-5485-279	3 ²⁹ / ₃₂	3	1 1/2	1 1/2	2	2 ⁷ / ₈	
1 1/2 x 1 1/2 x 1 1/4	--	11	0090-5486-636	0090-5486-279	3 ²⁹ / ₃₂	3	1 1/2	1 1/2	2	2 ⁷ / ₈	
1 1/2 x 1 1/4 x 1 1/2	--	11	0090-5490-636	0090-5490-279	3 ¹³ / ₁₆	3 ³ / ₈	1 1/4	1 1/2	2	3 ¹ / ₈	
2 x 2 x 1 1/4	--	9.3	0090-5497-636	0090-5497-279	4 ⁵ / ₈	4	1 1/4	2	2 ⁵ / ₁₆	3 ³ / ₈	
2 x 2 x 1 1/4	--	10	0090-5498-636	0090-5498-279	4 ⁵ / ₈	4	1 1/4	2	2 ⁵ / ₁₆	3 ³ / ₈	
2 x 2 x 1 1/4	--	11	0090-5499-636	0090-5499-279	4 ⁵ / ₈	4	1 1/4	2	2 ⁵ / ₁₆	3 ³ / ₈	
2 x 1 1/4 x 2	--	9.3	0090-5493-636	0090-5493-279	4 ⁵ / ₈	4	1 1/4	2	2 ⁵ / ₁₆	3 ³ / ₈	
2 x 1 1/4 x 2	--	11	0090-5492-636	0090-5492-279	4 ⁵ / ₈	4	1 1/4	2	2 ⁵ / ₁₆	3 ³ / ₈	
2 x 1 1/2 x 2	--	9.3	0090-5495-636	0090-5495-279	4 ⁵ / ₈	4	1 1/2	2	2 ⁵ / ₁₆	3 ⁵ / ₁₆	
2 x 1 1/2 x 2	--	11	0090-5494-636	0090-5494-279	4 ⁵ / ₈	4	1 1/2	2	2 ⁵ / ₁₆	3 ⁵ / ₁₆	

NOTE: For Anode Connector SxP, change detail code to: -683 for E-Coat or -284 for Plastisol.

UNIVERSAL STYLE 90 - Seal & Restraining Connections

Compression Tees, Adapters, Line Caps

For Joining Steel Pipe to IPS P.E. Pipe (One Insert Included)

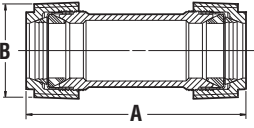
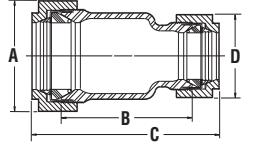
Nominal Size (I.D.) (In.)	Outside Diameter (O.D.) (In.)	SDR	E-Coat Part Number	Plastisol Part Number	Overall Dimensions						Dimension Drawing
					A	B	C	D	E	F	
ALL COMPRESSION TEE — STEEL x POLYETHYLENE											
3/4	1.050	11	0090-5402-636	0090-5402-279	3 ^{27/32}	2 ^{7/32}	--	--	--	--	
1	1.315	11	0090-5404-636	0090-5404-279	3 ^{27/32}	2 ^{9/16}	--	--	--	--	
1 1/4	1.660	9.3	0090-5407-636	0090-5407-279	3 ^{27/32}	3	--	--	--	--	
1 1/4	1.660	10	0090-5405-636	0090-5405-279	3 ^{27/32}	3	--	--	--	--	
1 1/4	1.660	11	0090-5406-636	0090-5406-279	3 ^{27/32}	3	--	--	--	--	
1 1/2	1.900	11	0090-5408-636	0090-5408-279	4 ^{5/8}	3 ^{3/8}	--	--	--	--	
2 x 2 x 1 1/4	2.375	9.3	0090-5701-636	0090-5701-279	4 ^{3/4}	4	--	--	--	--	
2 x 2 x 1 1/4	2.375	10	0090-5702-636	0090-5702-279	4 ^{3/4}	4	--	--	--	--	
2 x 2 x 1 1/4	2.375	11	0090-5703-636	0090-5703-279	4 ^{3/4}	4	--	--	--	--	
2	2.375	9.3	0090-5411-636	0090-5411-279	4 ^{3/4}	4	--	--	--	--	
2	2.375	11	0090-5410-636	0090-5410-279	4 ^{3/4}	4	--	--	--	--	
MALE ADAPTER* — STEEL x POLYETHYLENE											
3/4	1.050	11	0090-5439-636	0090-5439-279	2 ^{1/4}	3 ^{13/16}	4 ^{13/16}	--	--	--	
1	1.315	11	0090-5441-636	0090-5441-279	2 ^{9/16}	3 ^{13/16}	4 ^{3/4}	--	--	--	
1 1/4	1.660	9.3	0090-5444-636	0090-5444-279	3	3 ^{7/8}	4 ^{13/16}	--	--	--	
1 1/4	1.660	10	0090-5442-636	0090-5442-279	3	3 ^{7/8}	4 ^{13/16}	--	--	--	
1 1/4	1.660	11	0090-5443-636	0090-5443-279	3	3 ^{7/8}	4 ^{13/16}	--	--	--	
1 1/2	1.900	11	0090-5445-636	0090-5445-279	3 ^{3/8}	3 ^{15/16}	4 ^{15/16}	--	--	--	
2	2.375	9.3	0090-5448-636	0090-5448-279	4	4	5 ^{1/16}	--	--	--	
2	2.375	11	0090-5447-636	0090-5447-279	4	4	5 ^{1/16}	--	--	--	
LINE CAP* — STEEL x POLYETHYLENE											
3/4	1.050	11	0090-5087-636	0090-5087-279	3 ^{1/4}	2 ^{7/32}	--	--	--	--	
1	1.315	11	0090-5089-636	0090-5089-279	3 ^{11/16}	2 ^{9/16}	--	--	--	--	
1 1/4	1.660	9.3	0090-5093-636	0090-5093-279	3 ^{1/4}	3	--	--	--	--	
1 1/4	1.660	10	0090-5091-636	0090-5091-279	3 ^{1/4}	3	--	--	--	--	
1 1/4	1.660	11	0090-5092-636	0090-5092-279	3 ^{1/4}	3	--	--	--	--	
1 1/2	1.900	11	0090-5094-636	0090-5094-279	3 ^{1/4}	3 ^{3/8}	--	--	--	--	
2	2.375	9.3	0090-5097-636	0090-5097-279	3 ^{9/16}	4	--	--	--	--	
2	2.375	11	0090-5096-636	0090-5096-279	3 ^{9/16}	4	--	--	--	--	

*NOTE: For Anode Connector SxP, change detail code to: -683 for E-Coat or -284 for Plastisol.

UNIVERSAL STYLE 90 - Seal & Restraining Connections

Couplings, Reducing Couplings

For Joining IPS P.E. Pipe to IPS P.E. Pipe (Inserts Included)

Nominal Size (I.D.) (In.)	Outside Diameter (O.D.) (In.)	SDR	E-Coat Part Number	Plastisol Part Number	Overall Dimensions						Dimension Drawing
					A	B	C	D	E	F	
COUPLINGS WITH 5" MIDDLE RING — POLYETHYLENE x POLYETHYLENE											
3/4	1.050	11 x 11	0090-5114-637	0090-5114-281	6 ¹³ / ₁₆	2 ⁷ / ₃₂	--	--	--	--	
1	1.315	11 x 11	0090-5116-637	0090-5116-281	6 ¹³ / ₁₆	2 ⁹ / ₁₆	--	--	--	--	
1 1/4	1.660	9.3 x 9.3	0090-5119-637	0090-5119-281	6 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	9.3 x 10	0090-5731-637	0090-5731-281	6 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	9.3 x 11	0090-5732-637	0090-5732-281	6 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	10 x 10	0090-5117-637	0090-5117-281	6 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	10 x 11	0090-5733-637	0090-5733-281	6 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	11 x 11	0090-5118-637	0090-5118-281	6 ¹³ / ₁₆	3	--	--	--	--	
1 1/2	1.900	11 x 11	0090-5120-637	0090-5120-281	6 ⁷ / ₈	3 ³ / ₈	--	--	--	--	
2	2.375	9.3 x 9.3	0090-5123-637	0090-5123-281	7	4	--	--	--	--	
2	2.375	9.3 x 11	0090-5735-637	0090-5735-281	7	4	--	--	--	--	
2	2.375	11 x 11	0090-5122-637	0090-5122-281	7	4	--	--	--	--	
COUPLINGS WITH 10" MIDDLE RING — POLYETHYLENE x POLYETHYLENE											
3/4	1.050	11 x 11	0090-5139-637	0090-5139-281	11 ¹³ / ₁₆	2 ⁷ / ₃₂	--	--	--	--	
1	1.315	11 x 11	0090-5141-637	0090-5141-281	11 ¹³ / ₁₆	2 ⁹ / ₁₆	--	--	--	--	
1 1/4	1.660	9.3 x 9.3	0090-5144-637	0090-5144-281	11 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	9.3 x 10	0090-5741-637	0090-5741-281	11 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	9.3 x 11	0090-5742-637	0090-5742-281	11 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	10 x 10	0090-5142-637	0090-5142-281	11 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	10 x 11	0090-5743-637	0090-5743-281	11 ¹³ / ₁₆	3	--	--	--	--	
1 1/4	1.660	11 x 11	0090-5143-637	0090-5143-281	11 ¹³ / ₁₆	3	--	--	--	--	
1 1/2	1.900	11 x 11	0090-5145-637	0090-5145-281	11 ⁷ / ₈	3 ³ / ₈	--	--	--	--	
2	2.375	9.3 x 9.3	0090-5148-637	0090-5148-281	12	4	--	--	--	--	
2	2.375	9.3 x 11	0090-5746-637	0090-5746-281	12	4	--	--	--	--	
2	2.375	11 x 11	0090-5147-637	0090-5147-281	12	4	--	--	--	--	
REDUCING COUPLINGS — POLYETHYLENE x POLYETHYLENE											
1 x 3/4	--	11 x 11	0090-5502-637	0090-5502-281	2 ⁹ / ₁₆	5	6 ⁷ / ₈	2 ¹ / ₄	--	--	
1 1/4 x 3/4	--	9.3 x 11	0090-5503-637	0090-5503-281	3	5	6 ⁷ / ₈	2 ¹ / ₄	--	--	
1 1/4 x 3/4	--	10 x 11	0090-5504-637	0090-5504-281	3	5	6 ⁷ / ₈	2 ¹ / ₄	--	--	
1 1/4 x 3/4	--	11 x 11	0090-5505-637	0090-5505-281	3	5	6 ⁷ / ₈	2 ¹ / ₄	--	--	
1 1/4 x 1	--	9.3 x 11	0090-5509-637	0090-5509-281	3	5	6 ⁷ / ₈	2 ⁹ / ₁₆	--	--	
1 1/4 x 1	--	10 x 11	0090-5510-637	0090-5510-281	3	5	6 ⁷ / ₈	2 ⁹ / ₁₆	--	--	
1 1/4 x 1	--	11 x 11	0090-5511-637	0090-5511-281	3	5	6 ⁷ / ₈	2 ⁹ / ₁₆	--	--	
1 1/2 x 3/4	--	11 x 11	0090-5512-637	0090-5512-281	3 ³ / ₈	4 ³ / ₄	6 ¹ / ₁₆	2 ¹ / ₄	--	--	
1 1/2 x 1	--	11 x 11	0090-5514-637	0090-5514-281	3 ³ / ₈	5	6 ¹⁵ / ₁₆	2 ⁹ / ₁₆	--	--	
1 1/2 x 1 1/4	--	11 x 9.3	0090-5515-637	0090-5515-281	3 ³ / ₈	5	6 ¹⁵ / ₁₆	3	--	--	
1 1/2 x 1 1/4	--	11 x 10	0090-5516-637	0090-5516-281	3 ³ / ₈	5	6 ¹⁵ / ₁₆	3	--	--	
1 1/2 x 1 1/4	--	11 x 11	0090-5517-637	0090-5517-281	3 ³ / ₈	5	6 ¹⁵ / ₁₆	3	--	--	
2 x 3/4	--	9.3 x 11	0090-5518-637	0090-5518-281	4	4 ⁷ / ₈	6 ⁷ / ₈	2 ¹ / ₄	--	--	
2 x 3/4	--	11 x 11	0090-5519-637	0090-5519-281	4	4 ⁷ / ₈	6 ⁷ / ₈	2 ¹ / ₄	--	--	
2 x 1	--	9.3 x 9.3	0090-5520-637	0090-5520-281	4	5 ¹ / ₂	7 ¹ / ₂	2 ⁹ / ₁₆	--	--	
2 x 1	--	9.3 x 11	0090-5521-637	0090-5521-281	4	5 ¹ / ₂	7 ¹ / ₂	2 ⁹ / ₁₆	--	--	
2 x 1	--	11 x 9.3	0090-5522-637	0090-5522-281	4	5 ¹ / ₂	7 ¹ / ₂	2 ⁹ / ₁₆	--	--	
2 x 1	--	11 x 11	0090-5523-637	0090-5523-281	4	5 ¹ / ₂	7 ¹ / ₂	2 ⁹ / ₁₆	--	--	
2 x 1 1/4	--	9.3 x 9.3	0090-5524-637	0090-5524-281	4	5	7	3	--	--	
2 x 1 1/4	--	9.3 x 10	0090-5525-637	0090-5525-281	4	5	7	3	--	--	
2 x 1 1/4	--	9.3 x 11	0090-5526-637	0090-5526-281	4	5	7	3	--	--	

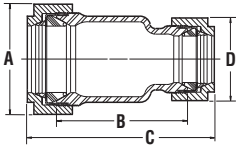
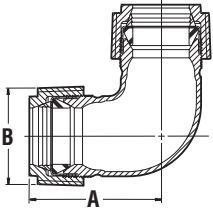
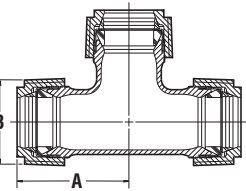
Cont'd on next pg.

NOTE: For Anode Connector, change detail code to: -661 for E-Coat or -285 for Plastisol.

UNIVERSAL STYLE 90 - Seal & Restraining Connections

Reducing Couplings, Ells, Tees

For Joining IPS P.E. Pipe to IPS P.E. Pipe (Inserts Included)

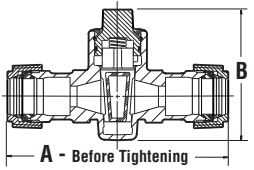
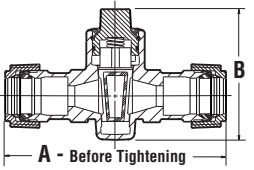
Nominal Size (I.D.) (In.)	Outside Diameter (O.D.) (In.)	SDR	E-Coat Part Number	Plastisol Part Number	Overall Dimensions						Dimension Drawing
					A	B	C	D	E	F	
REDUCING COUPLINGS (Continued) — POLYETHYLENE x POLYETHYLENE											
2 x 1 ¹ / ₄	--	11 x 9.3	0090-5527-637	0090-5527-281	4	5	7	3	--	--	
2 x 1 ¹ / ₄	--	11 x 10	0090-5071-637	0090-5071-281	4	5	7	3	--	--	
2 x 1 ¹ / ₄	--	11 x 11	0090-5072-637	0090-5072-281	4	5	7	3	--	--	
2 x 1 ¹ / ₂	--	9.3 x 11	0090-5528-637	0090-5528-281	4	5	7 ¹ / ₁₆	3 ³ / ₈	--	--	
2 x 1 ¹ / ₂	--	11 x 11	0090-5529-637	0090-5529-281	4	5	7 ¹ / ₁₆	3 ³ / ₈	--	--	
90° ELL — POLYETHYLENE x POLYETHYLENE											
3/4	1.050	11 x 11	0090-5264-637	0090-5264-281	3 ²⁵ / ₃₂	2 ⁷ / ₃₂	--	--	--	--	
1	1.315	9.3 x 9.3	0090-5265-637	0090-5265-281	3 ²⁷ / ₃₂	2 ⁹ / ₁₆	--	--	--	--	
1	1.315	9.3 x 11	0090-5763-637	0090-5763-281	3 ²⁷ / ₃₂	2 ⁹ / ₁₆	--	--	--	--	
1	1.315	11 x 11	0090-5266-637	0090-5266-281	3 ²⁷ / ₃₂	2 ⁹ / ₁₆	--	--	--	--	
1 ¹ / ₄	1.660	9.3 x 9.3	0090-5270-637	0090-5270-281	3 ²⁹ / ₃₂	3	--	--	--	--	
1 ¹ / ₄	1.660	9.3 x 10	0090-5766-637	0090-5766-281	3 ²⁹ / ₃₂	3	--	--	--	--	
1 ¹ / ₄	1.660	9.3 x 11	0090-5767-637	0090-5767-281	3 ²⁹ / ₃₂	3	--	--	--	--	
1 ¹ / ₄	1.660	10 x 10	0090-5268-637	0090-5268-281	3 ²⁹ / ₃₂	3	--	--	--	--	
1 ¹ / ₄	1.660	10 x 11	0090-5768-637	0090-5768-281	3 ²⁹ / ₃₂	3	--	--	--	--	
1 ¹ / ₄	1.660	11 x 11	0090-5269-637	0090-5269-281	3 ²⁹ / ₃₂	3	--	--	--	--	
1 ¹ / ₂	1.900	11 x 11	0090-5271-637	0090-5271-281	4 ⁵ / ₈	3 ³ / ₈	--	--	--	--	
2	2.375	9.3 x 9.3	0090-5274-637	0090-5274-281	4 ³ / ₄	4	--	--	--	--	
2	2.375	9.3 x 11	0090-5770-637	0090-5770-281	4 ³ / ₄	4	--	--	--	--	
2	2.375	11 x 11	0090-5273-637	0090-5273-281	4 ³ / ₄	4	--	--	--	--	
ALL COMPRESSION TEE** — POLYETHYLENE x POLYETHYLENE											
3/4	1.050	11x11x11	0090-5414-669	0090-5414-292	3 ²⁷ / ₃₂	2 ⁷ / ₃₂	--	--	--	--	
1	1.315	11x11x11	0090-5416-669	0090-5416-292	3 ²⁷ / ₃₂	2 ⁹ / ₁₆	--	--	--	--	
1 ¹ / ₄	1.660	9.3x9.3x9.3	0090-5419-669	0090-5419-292	3 ²⁷ / ₃₂	3	--	--	--	--	
1 ¹ / ₄	1.660	9.3x9.3x10	0090-5780-669	0090-5780-292	3 ²⁷ / ₃₂	3	--	--	--	--	
1 ¹ / ₄	1.660	9.3x9.3x11	0090-5781-669	0090-5781-292	3 ²⁷ / ₃₂	3	--	--	--	--	
1 ¹ / ₄	1.660	10x10x10	0090-5417-669	0090-5417-292	3 ²⁷ / ₃₂	3	--	--	--	--	
1 ¹ / ₄	1.660	10x10x9.3	0090-5782-669	0090-5782-292	3 ²⁷ / ₃₂	3	--	--	--	--	
1 ¹ / ₄	1.660	10x10x11	0090-5783-669	0090-5783-292	3 ²⁷ / ₃₂	3	--	--	--	--	
1 ¹ / ₄	1.660	11x11x11	0090-5418-669	0090-5418-292	3 ²⁷ / ₃₂	3	--	--	--	--	
1 ¹ / ₄	1.660	11x11x9.3	0090-5784-669	0090-5784-292	3 ²⁷ / ₃₂	3	--	--	--	--	
1 ¹ / ₄	1.660	11x11x10	0090-5785-669	0090-5785-292	3 ²⁷ / ₃₂	3	--	--	--	--	
2 x 2 x 1 ¹ / ₄	2.375	9.3x9.3x9.3	0090-5811-669	0090-5811-292	4 ³ / ₄	4	--	--	--	--	
2 x 2 x 1 ¹ / ₄	2.375	9.3x9.3x10	0090-5812-669	0090-5812-292	4 ³ / ₄	4	--	--	--	--	
2 x 2 x 1 ¹ / ₄	2.375	9.3x9.3x11	0090-5813-669	0090-5813-292	4 ³ / ₄	4	--	--	--	--	
2 x 2 x 1 ¹ / ₄	2.375	11x11x9.3	0090-5814-669	0090-5814-292	4 ³ / ₄	4	--	--	--	--	
2 x 2 x 1 ¹ / ₄	2.375	11x11x10	0090-5815-669	0090-5815-292	4 ³ / ₄	4	--	--	--	--	
2	2.375	9.3x9.3x9.3	0090-5423-669	0090-5423-292	4 ³ / ₄	4	--	--	--	--	
2	2.375	9.3x9.3x11	0090-5787-669	0090-5787-292	4 ³ / ₄	4	--	--	--	--	
2	2.375	11x11x11	0090-5422-669	0090-5422-292	4 ³ / ₄	4	--	--	--	--	
2	2.375	11x11x9.3	0090-5788-669	0090-5788-292	4 ³ / ₄	4	--	--	--	--	

NOTE: For Anode Connector, change detail code to: -661 for E-Coat or -285 for Plastisol.

Meter Valves - With Style 90 Seal & Restraining Compression Ends

Style 175 Meter/Curb Valves

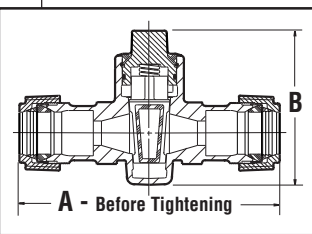
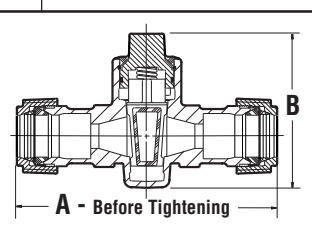
For Joining Steel Pipe to Steel Pipe

Nominal Size (I.D.) (In.)	Outside Diameter (O.D.) (In.)	SDR	E-Coat Part Number	Plastisol Part Number	Overall Dimensions						Dimension Drawing
					A	B	C	D	E	F	
STYLE 175* VALVE — 360° OPERATION WITH UNIVERSAL STYLE 90 ENDS — STEEL x STEEL											
3/4	1.050	--	0175-0852-164	0175-0852-202	8 ³ / ₄	5	--	--	--	--	
1	1.315	--	0175-0853-164	0175-0853-202	9 ¹ / ₂	5	--	--	--	--	
1 1/4	1.660	--	0175-0854-164	0175-0854-202	9 ³ / ₄	6	--	--	--	--	
1 1/2	1.900	--	0175-0855-164	0175-0855-202	10 ¹ / ₂	6	--	--	--	--	
2	2.375	--	0175-0856-164	0175-0856-202	10 ³ / ₄	7	--	--	--	--	
STYLE 175* VALVE — 90° OPEN LEFT OPERATION WITH UNIVERSAL STYLE 90 ENDS — STEEL x STEEL											
3/4	1.050	--	0175-0865-164	0175-0865-202	8 ³ / ₄	5	--	--	--	--	
1	1.315	--	0175-0866-164	0175-0866-202	9 ¹ / ₂	5	--	--	--	--	
1 1/4	1.660	--	0175-0867-164	0175-0867-202	9 ³ / ₄	6	--	--	--	--	
1 1/2	1.900	--	0175-0868-164	0175-0868-202	10 ¹ / ₂	6	--	--	--	--	
2	2.375	--	0175-0869-164	0175-0869-202	10 ³ / ₄	7	--	--	--	--	

* NOTE: For Anode Connector Style 175 SxS, change detail code to: -168 for E-Coat or -204 for Plastisol.

Style 175 Meter/Curb Valves

For Joining Steel Pipe to IPS P.E. Pipe

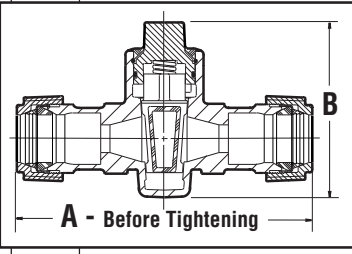
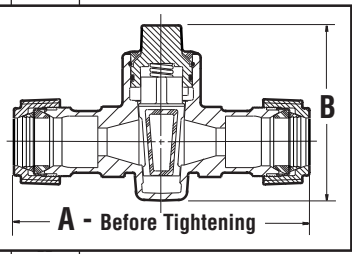
Nominal Size (I.D.) (In.)	Outside Diameter (O.D.) (In.)	SDR	E-Coat Part Number	Plastisol Part Number	Overall Dimensions						Dimension Drawing
					A	B	C	D	E	F	
STYLE 175** VALVE — 360° OPERATION WITH UNIVERSAL STYLE 90 ENDS — STEEL x POLYETHYLENE											
3/4	1.050	11	0175-0877-165	0175-0877-203	8 ³ / ₄	5	--	--	--	--	
1	1.315	11	0175-0878-165	0175-0878-203	9 ¹ / ₂	5	--	--	--	--	
1 1/4	1.660	9.3	0175-0883-165	0175-0883-203	9 ³ / ₄	6	--	--	--	--	
1 1/4	1.660	10	0175-0884-165	0175-0884-203	9 ³ / ₄	6	--	--	--	--	
1 1/4	1.660	11	0175-0879-165	0175-0879-203	9 ³ / ₄	6	--	--	--	--	
1 1/2	1.900	11	0175-0880-165	0175-0880-203	10 ¹ / ₂	6	--	--	--	--	
2	2.375	9.3	0175-0886-165	0175-0886-203	10 ³ / ₄	7	--	--	--	--	
2	2.375	11	0175-0881-165	0175-0881-203	10 ³ / ₄	7	--	--	--	--	
STYLE 175** — 90° OPEN LEFT OPERATION WITH UNIVERSAL STYLE 90 ENDS — STEEL x POLYETHYLENE											
3/4	1.050	11	0175-0888-165	0175-0888-203	8 ³ / ₄	5	--	--	--	--	
1	1.315	11	0175-0889-165	0175-0889-203	9 ¹ / ₂	5	--	--	--	--	
1 1/4	1.660	9.3	0175-0894-165	0175-0894-203	9 ³ / ₄	6	--	--	--	--	
1 1/4	1.660	10	0175-0895-165	0175-0895-203	9 ³ / ₄	6	--	--	--	--	
1 1/4	1.660	11	0175-0890-165	0175-0890-203	9 ³ / ₄	6	--	--	--	--	
1 1/2	1.900	11	0175-0891-165	0175-0891-203	10 ¹ / ₂	6	--	--	--	--	
2	2.375	9.3	0175-0897-165	0175-0897-203	10 ³ / ₄	7	--	--	--	--	
2	2.375	11	0175-0892-165	0175-0892-203	10 ³ / ₄	7	--	--	--	--	

** NOTE: For Anode Connector Style 175 SxP, change detail code to: -169 for E-Coat or -205 for Plastisol.

Meter Valves - With Style 90 Seal & Restraining Compression Ends

Style 175 Meter/Curb Valves

For Joining IPS P.E. Pipe to IPS P.E. Pipe

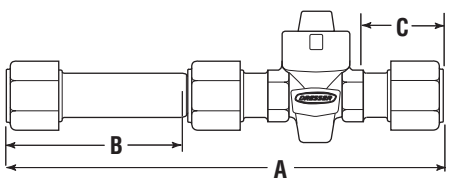
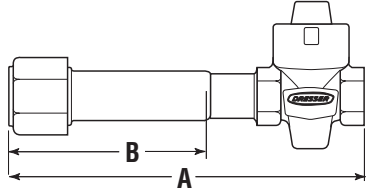
Nominal Size (I.D.) (In.)	Outside Diameter (O.D.) (In.)	SDR	E-Coat Part Number	Plastisol Part Number	Overall Dimensions						Dimension Drawing
					A	B	C	D	E	F	
STYLE 175* VALVE WITH UNIVERSAL STYLE 90 ENDS — 360° OPERATION — P.E. x P.E.											
3/4	1.050	11	0175-0902-166	0175-0902-204	8 ³ / ₄	5	--	--	--		
1	1.315	9.3	0175-0907-166	0175-0907-204	9 ¹ / ₂	5	--	--	--		
1	1.315	11	0175-0903-166	0175-0903-204	9 ¹ / ₂	5	--	--	--		
1 1/4	1.660	9.3	0175-0908-166	0175-0908-204	9 ³ / ₄	6	--	--	--		
1 1/4	1.660	10	0175-0909-166	0175-0909-204	9 ³ / ₄	6	--	--	--		
1 1/4	1.660	11	0175-0904-166	0175-0904-204	9 ³ / ₄	6	--	--	--		
1 1/2	1.900	11	0175-0905-166	0175-0905-204	10 ¹ / ₂	6	--	--	--		
2	2.375	9.3	0175-0911-166	0175-0911-204	10 ³ / ₄	7	--	--	--		
2	2.375	11	0175-0906-166	0175-0906-204	10 ³ / ₄	7	--	--	--		
STYLE 175* VALVE WITH UNIVERSAL STYLE 90 ENDS — 90° OPEN-LEFT OPERATION — P.E. x P.E.											
3/4	1.050	11	0175-0914-166	0175-0914-204	8 ³ / ₄	5	--	--	--		
1	1.315	9.3	0175-0919-166	0175-0919-204	9 ¹ / ₂	5	--	--	--		
1	1.315	11	0175-0915-166	0175-0915-204	9 ¹ / ₂	5	--	--	--		
1 1/4	1.660	9.3	0175-0920-166	0175-0920-204	9 ³ / ₄	6	--	--	--		
1 1/4	1.660	10	0175-0921-166	0175-0921-204	9 ³ / ₄	6	--	--	--		
1 1/4	1.660	11	0175-0916-166	0175-0916-204	9 ³ / ₄	6	--	--	--		
1 1/2	1.900	11	0175-0917-166	0175-0917-204	10 ¹ / ₂	6	--	--	--		
2	2.375	9.3	0175-0923-166	0175-0923-204	10 ³ / ₄	7	--	--	--		
2	2.375	11	0175-0918-166	0175-0918-204	10 ³ / ₄	7	--	--	--		

* NOTE: For Anode Connector Style 175 PxP, change detail code to: -171 for E-Coat or -249 for Plastisol.

For replacement of existing threaded or compression curb valves

Style 175 Cut-In Valves

Available with Universal 90 x 90, and FIPS x 90 End Configurations

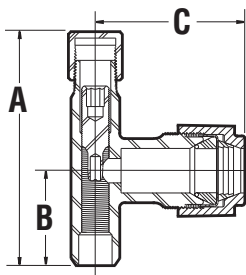
Style 175 Cut-In* Universal 90 x Universal 90					
Nom. Size (in.)	A Length	B Cut-In Adapter Depth	C Pipe Entrc. Dpth.	Part Number	
3/4"	14-1/4	5	2-1/2	0175-0021-490	
1"	14-1/2	5	2-3/4	0175-0021-500	
1-1/4"	14-3/4	5	2-3/4	0175-0021-510	
1-1/2"	15-1/4	5	2-3/4	0175-0021-520	
2"	15-3/4	5	2-3/4	0175-0021-530	
Style 175 Cut-In* FIPS x Universal 90					
Nom. Size (in.)	A Length	B Cut-In Adapter Depth	Part Number		
3/4"	10-1/2	5	0175-0001-440		
1"	11-1/8	5	0175-0001-460		
1-1/4"	12-3/8	5	0175-0001-360		
1-1/2"	12-3/4	5	0175-0001-470		
2"	13-1/4	5	0175-0001-480		

* NOTE: Does not include pipe insert

UNIVERSAL STYLE 90 - Seal & Restraining Connections

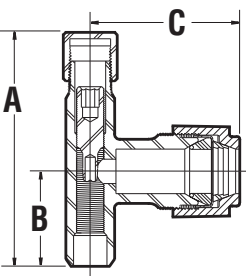
Tap-N-Valve® Tees (Weld & MIPS)

For Connecting Steel Pipe to Steel Pipe

Nominal Size (I.D.) (In.)	Outside Diameter (O.D.) (In.)	SDR	Outlet Size (In.)	Tapping Tool (In.)	Part Number	Overall Dimensions						Dimension Drawing
						A	B	C	D	E	F	
STYLE 90 TAP-N-VALVE TEE WITH UNIVERSAL STYLE 90 OUTLET — STEEL x STEEL												
3/4 WELD	1.050	--	3/4	1/4	0090-5553-631	5 1/2	2 5/16	3 9/16	--	--	--	
3/4 WELD	1.050	--	3/4	3/8	0090-5553-671	5 1/2	2 5/16	3 9/16	--	--	--	
3/4 WELD	1.050	--	3/4	1/2	0090-5553-672	5 1/2	2 5/16	3 9/16	--	--	--	
3/4 WELD	1.315	--	1	1/4	0090-5554-631	5 1/2	2 5/16	3 9/16	--	--	--	
3/4 WELD	1.315	--	1	3/8	0090-5554-671	5 1/2	2 5/16	3 9/16	--	--	--	
3/4 WELD	1.315	--	1	1/2	0090-5554-672	5 1/2	2 5/16	3 9/16	--	--	--	
1 MIPS	1.050	--	3/4	1/4	0090-5558-631	5 1/2	2 5/16	3 9/16	--	--	--	
1 MIPS	1.050	--	3/4	3/8	0090-5558-671	5 1/2	2 5/16	3 9/16	--	--	--	
1 MIPS	1.050	--	3/4	1/2	0090-5558-672	5 1/2	2 5/16	3 9/16	--	--	--	

Tap-N-Valve® Tees (Weld & MIPS)

For Connecting Steel Pipe to IPS P.E. Pipe

Nominal Size (I.D.) (In.)	Outside Diameter (O.D.) (In.)	SDR	Outlet Size (In.)	Tapping Tool (In.)	Part Number	Overall Dimensions						Dimension Drawing
						A	B	C	D	E	F	
STYLE 90 TAP-N-VALVE TEE WITH UNIVERSAL STYLE 90 OUTLET -- STEEL x POLYETHYLENE												
3/4 WELD	1.050	11	3/4	1/4	0090-5565-673	5 1/2	2 5/16	3 9/16	--	--	--	
3/4 WELD	1.050	11	3/4	3/8	0090-5565-674	5 1/2	2 5/16	3 9/16	--	--	--	
3/4 WELD	1.050	11	3/4	1/2	0090-5565-675	5 1/2	2 5/16	3 9/16	--	--	--	
3/4 WELD	1.315	9.3	1	1/4	0900-5566-673	5 1/2	2 5/16	3 9/16	--	--	--	
3/4 WELD	1.315	9.3	1	3/8	0090-5566-674	5 1/2	2 5/16	3 9/16	--	--	--	
3/4 WELD	1.315	9.3	1	1/2	0090-5566-675	5 1/2	2 5/16	3 9/16	--	--	--	
3/4 WELD	1.315	11	1	1/4	0900-5567-673	5 1/2	2 5/16	3 9/16	--	--	--	
3/4 WELD	1.315	11	1	3/8	0090-5567-674	5 1/2	2 5/16	3 9/16	--	--	--	
3/4 WELD	1.315	11	1	1/2	0090-5567-675	5 1/2	2 5/16	3 9/16	--	--	--	
1 MIPS	1.050	11	3/4	1/4	0090-5571-673	5 1/2	2 5/16	3 9/16	--	--	--	
1 MIPS	1.050	11	3/4	3/8	0090-5571-674	5 1/2	2 5/16	3 9/16	--	--	--	
1 MIPS	1.050	11	3/4	1/2	0090-5571-675	5 1/2	2 5/16	3 9/16	--	--	--	

UNIVERSAL Style 90 End x Style 501 SEAL-PLUS Compression End

Transition Couplings

For Joining Steel Pipe to Copper Tube Size P.E. Pipe (One Insert Included)

Universal St. 90 End (I.D.) (In.)	SDR	Style 501 End (O.D.) (In.)	Tubing Wall	E-Coat Part Number	Plastisol Part Number	Overall Dimensions				Dimension Dwg.
						A	B	C	D	
TRANSITION COUPLING* — UNIVERSAL STYLE 90 END x STYLE 501 END — STEEL x POLYETHYLENE										
3/4	--	5/8	.062	0090-5601-677	0090-5601-296	2 ⁷ / ₃₂	4	--	--	
3/4	--	5/8	.090	0090-5602-677	0090-5602-296	2 ⁷ / ₃₂	4	--	--	
3/4	--	1 ¹ / ₈	.090	0090-5604-677	0090-5604-296	2 ⁷ / ₃₂	4	--	--	
3/4	--	1 ¹ / ₈	.099	0090-5605-677	0090-5605-296	2 ⁷ / ₃₂	4	--	--	
3/4	--	1 ¹ / ₈	.121	0090-5606-677	0090-5606-296	2 ⁷ / ₃₂	4	--	--	
1	--	5/8	.062	0090-5609-677	0090-5609-296	2 ⁹ / ₁₆	4	--	--	
1	--	5/8	.090	0090-5610-677	0090-5610-296	2 ⁹ / ₁₆	4	--	--	
1	--	1 ¹ / ₈	.090	0090-5612-677	0090-5612-296	2 ⁹ / ₁₆	4	--	--	
1	--	1 ¹ / ₈	.099	0090-5613-677	0090-5613-296	2 ⁹ / ₁₆	4	--	--	
1	--	1 ¹ / ₈	.121	0090-5614-677	0090-5614-296	2 ⁹ / ₁₆	4	--	--	
1 ¹ / ₄	--	5/8	.062	0090-5617-677	0090-5617-296	3	4	--	--	
1 ¹ / ₄	--	5/8	.090	0090-5618-677	0090-5618-296	3	4	--	--	
1 ¹ / ₄	--	1 ¹ / ₈	.090	0090-5619-677	0090-5619-296	3	4	--	--	
1 ¹ / ₄	--	1 ¹ / ₈	.099	0090-5620-677	0090-5620-296	3	4	--	--	
1 ¹ / ₄	--	1 ¹ / ₈	.121	0090-5621-677	0090-5621-296	3	4	--	--	
1 ¹ / ₄	--	1 ³ / ₈	.090	0090-5622-677	0090-5622-296	3	4	--	--	
1 ¹ / ₄	--	1 ³ / ₈	.121	0090-5623-677	0090-5623-296	3	4	--	--	
1 ¹ / ₂	--	1 ¹ / ₈	.090	0090-5626-677	0090-5626-296	3 ³ / ₈	4	--	--	
1 ¹ / ₂	--	1 ¹ / ₈	.099	0090-5627-677	0090-5627-296	3 ³ / ₈	4	--	--	
1 ¹ / ₂	--	1 ¹ / ₈	.121	0090-5628-677	0090-5628-296	3 ³ / ₈	4	--	--	
1 ¹ / ₂	--	1 ³ / ₈	.090	0090-5631-677	0090-5631-296	3 ³ / ₈	4 ¹ / ₂	--	--	
1 ¹ / ₂	--	1 ³ / ₈	.121	0090-5632-677	0090-5632-296	3 ³ / ₈	4 ¹ / ₂	--	--	
2	--	1 ¹ / ₈	.099	0090-5636-677	0090-5636-296	4	6 ¹ / ₄	--	--	
2	--	1 ³ / ₈	.090	0090-5640-677	0090-5640-296	4	6 ¹ / ₄	--	--	
2	--	1 ³ / ₈	.121	0090-5641-677	0090-5641-296	4	6 ¹ / ₄	--	--	

Transition Couplings

For Joining IPS P. E. Pipe to Copper Tube Size P.E. Pipe (Inserts Included)

Universal St. 90 End (I.D.) (In.)	SDR	Style 501 End (O.D.) (In.)	Tubing Wall	E-Coat Part Number	Plastisol Part Number	Overall Dimensions				Dimension Dwg.
						A	B	C	D	
TRANSITION COUPLINGS* — UNIVERSAL STYLE 90 END x STYLE 501 END — POLYETHYLENE x POLYETHYLENE										
3/4	11	5/8	.062	0090-5826-678	0090-5826-297	2 ⁷ / ₃₂	4	--	--	
3/4	11	5/8	.090	0090-5827-678	0090-5827-297	2 ⁷ / ₃₂	4	--	--	
3/4	11	1 ¹ / ₈	.090	0090-5829-678	0090-5829-297	2 ⁷ / ₃₂	4	--	--	
3/4	11	1 ¹ / ₈	.099	0090-5830-678	0090-5830-297	2 ⁷ / ₃₂	4	--	--	
3/4	11	1 ¹ / ₈	.121	0090-5831-678	0090-5831-297	2 ⁷ / ₃₂	4	--	--	
1	11	5/8	.062	0090-5836-678	0090-5836-297	2 ⁹ / ₁₆	4	--	--	
1	11	5/8	.090	0090-5837-678	0090-5837-297	2 ³ / ₄	4	--	--	

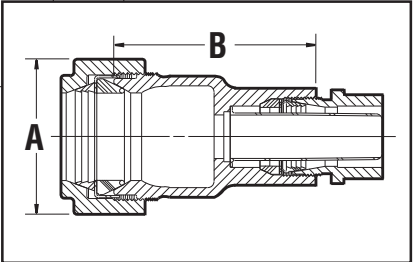
PE x PE Transition Coupling Sizes Continued on Page 12

* Includes Anode Connector

UNIVERSAL Style 90 End x Style 501 SEAL-PLUS Compression End

Transition Couplings (Continued from Page 11)

For Joining IPS P. E. Pipe to Copper Tube Size P.E. Pipe (Inserts Included)

Universal St. 90 End (I.D.) (In.)	SDR	Style 501 End (O.D.) (In.)	Tubing Wall	E-Coat Part Number	Plastisol Part Number	Overall Dimensions				Dimension Dwg.
						A	B	C	D	
TRANSITION COUPLINGS* — UNIVERSAL STYLE 90 END x STYLE 501 END — POLYETHYLENE x POLYETHYLENE										
1	11	1 ¹ / ₈	.090	0090-5843-678	0090-5843-297	2 ³ / ₄	4	--	--	
1	11	1 ¹ / ₈	.099	0090-5844-678	0090-5844-297	2 ³ / ₄	4	--	--	
1	11	1 ¹ / ₈	.121	0090-5845-678	0090-5845-297	2 ³ / ₄	4	--	--	
1 ¹ / ₄	9.3	5 ⁵ / ₈	.062	0090-5848-678	0090-5848-297	3	4	--	--	
1 ¹ / ₄	9.3	5 ⁵ / ₈	.090	0090-5849-678	0090-5849-297	3	4	--	--	
1 ¹ / ₄	10	5 ⁵ / ₈	.062	0090-5850-678	0090-5850-297	3	4	--	--	
1 ¹ / ₄	10	5 ⁵ / ₈	.090	0090-5886-678	0090-5886-297	3	4	--	--	
1 ¹ / ₄	11	5 ⁵ / ₈	.062	0090-5887-678	0090-5887-297	3	4	--	--	
1 ¹ / ₄	11	5 ⁵ / ₈	.090	0090-5888-678	0090-5888-297	3	4	--	--	
1 ¹ / ₄	9.3	1 ¹ / ₈	.090	0090-5854-678	0090-5854-297	3	4	--	--	
1 ¹ / ₄	9.3	1 ¹ / ₈	.099	0090-5855-678	0090-5855-297	3	4	--	--	
1 ¹ / ₄	9.3	1 ¹ / ₈	.121	0090-5856-678	0090-5856-297	3	4	--	--	
1 ¹ / ₄	10	1 ¹ / ₈	.090	0090-5857-678	0090-5857-297	3	4	--	--	
1 ¹ / ₄	10	1 ¹ / ₈	.099	0090-5858-678	0090-5858-297	3	4	--	--	
1 ¹ / ₄	10	1 ¹ / ₈	.121	0090-5859-678	0090-5859-297	3	4	--	--	
1 ¹ / ₄	11	1 ¹ / ₈	.090	0090-5860-678	0090-5860-297	3	4	--	--	
1 ¹ / ₄	11	1 ¹ / ₈	.099	0090-5861-678	0090-5861-297	3	4	--	--	
1 ¹ / ₄	11	1 ¹ / ₈	.121	0090-5862-678	0090-5862-297	3	4	--	--	
1 ¹ / ₄	9.3	1 ³ / ₈	.090	0090-5863-678	0090-5863-297	3	4	--	--	
1 ¹ / ₄	9.3	1 ³ / ₈	.121	0090-5864-678	0090-5864-297	3	4	--	--	
1 ¹ / ₄	10	1 ³ / ₈	.090	0090-5865-678	0090-5865-297	3	4	--	--	
1 ¹ / ₄	10	1 ³ / ₈	.121	0090-5866-678	0090-5866-297	3	4	--	--	
1 ¹ / ₄	11	1 ³ / ₈	.090	0090-5867-678	0090-5867-297	3	4	--	--	
1 ¹ / ₄	11	1 ³ / ₈	.121	0090-5868-678	0090-5868-297	3	4	--	--	
1 ¹ / ₂	11	1 ¹ / ₈	.090	0090-5871-678	0090-5871-297	3 ¹ / ₂	4	--	--	
1 ¹ / ₂	11	1 ¹ / ₈	.099	0090-5872-678	0090-5872-297	3 ¹ / ₂	4	--	--	
1 ¹ / ₂	11	1 ¹ / ₈	.121	0090-5873-678	0090-5873-297	3 ¹ / ₂	4	--	--	
1 ¹ / ₂	11	1 ³ / ₈	.090	0090-5874-678	0090-5874-297	3 ¹ / ₂	4 ¹ / ₂	--	--	
1 ¹ / ₂	11	1 ³ / ₈	.121	0090-5875-678	0090-5875-297	3 ¹ / ₂	4 ¹ / ₂	--	--	
2	9.3	1 ¹ / ₈	.090	0090-5876-678	0090-5876-297	3 ¹¹ / ₁₆	6 ¹ / ₄	--	--	
2	9.3	1 ¹ / ₈	.099	0090-5877-678	0090-5877-297	3 ¹¹ / ₁₆	6 ¹ / ₄	--	--	
2	9.3	1 ¹ / ₈	.121	0090-5878-678	0090-5878-297	3 ¹¹ / ₁₆	6 ¹ / ₄	--	--	
2	11	1 ¹ / ₈	.090	0090-5879-678	0090-5879-297	3 ¹¹ / ₁₆	6 ¹ / ₄	--	--	
2	11	1 ¹ / ₈	.099	0090-5880-678	0090-5880-297	3 ¹¹ / ₁₆	6 ¹ / ₄	--	--	
2	11	1 ¹ / ₈	.121	0090-5881-678	0090-5881-297	3 ¹¹ / ₁₆	6 ¹ / ₄	--	--	
2	9.3	1 ³ / ₈	.090	0090-5882-678	0090-5882-297	3 ¹¹ / ₁₆	6 ¹ / ₄	--	--	
2	9.3	1 ³ / ₈	.121	0090-5883-678	0090-5883-297	3 ¹¹ / ₁₆	6 ¹ / ₄	--	--	
2	11	1 ³ / ₈	.090	0090-5884-678	0090-5884-297	3 ¹¹ / ₁₆	6 ¹ / ₄	--	--	
2	11	1 ³ / ₈	.121	0090-5885-678	0090-5885-297	3 ¹¹ / ₁₆	6 ¹ / ₄	--	--	

* Includes Anode Connector

Dresser® Insert Stiffeners

Use 4" Long Inserts with 5" Middle Rings; Use 7" Long Inserts with 10" Middle Rings Only

Nominal Size (I.D.) (In.)	SDR	Length	Part Number	Nominal Size (I.D.) (In.)	SDR	Length	Part Number
DRESSER® INSERT STIFFENERS				DRESSER® INSERT STIFFENERS			
3/4	11	4"	2090-0826-014	1 1/4	10	7"	2700-0104-006
3/4	11	7"	2090-0827-014	1 1/4	11	4"	2090-0832-014
1	9.3	4"	2090-0830-015	1 1/4	11	7"	2700-0105-001
1	9.3	7"	2090-0831-015	1 1/2	11	4"	2090-0837-014
1	11	4"	2090-0828-014	1 1/2	11	7"	2090-0838-014
1	11	7"	2090-0829-014	2	9.3	4"	2090-0843-015
1 1/4	9.3	4"	2090-0839-015	2	9.3	7"	2090-0844-015
1 1/4	9.3	7"	2090-0840-015	2	11	4"	2090-0841-014
1 1/4	10	4"	2090-0834-016	2	11	7"	2700-0109-001

Other Style 90 Couplings Available from DRESSER...

Style 90 Insulated Restraining Couplings

For cathodic protection when making Steel to Steel or Steel to P.E. seal & restraining pipe connections*

The time-proven Dresser® Style 90 Coupling is also available 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. Like the Style 90 product line, 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. Pipe joint connections made in accordance with the Dresser Style 90 Insulated Restraining installation instructions meet or exceed the requirements of D.O.T. 192.283(b).

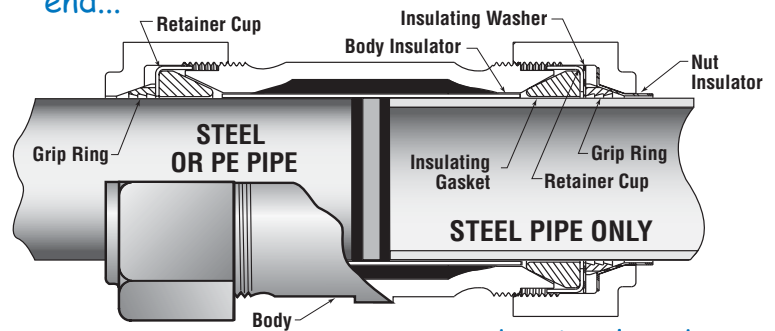
Electrical Isolation...

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.

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.)



Features a restraining end...



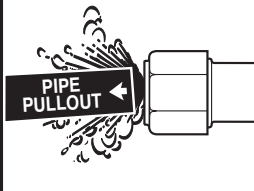
...and an insulated restraining end!

*Not part of the Universal product line. For use on polyethylene pipe listed in ASTM D2513.

Proper Dresser insert stiffener must be used.

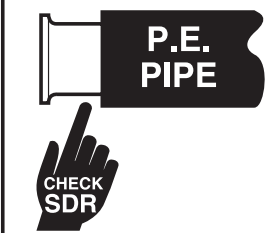
Style 90 Universal Applicable Product Warnings

⚠ WARNING



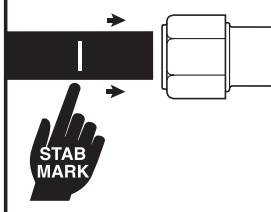
When pipe pullout could occur, pipe joint **MUST** be anchored. Failure to anchor pipe joint could result in escaping line content and cause property damage, serious injury or death.

⚠ WARNING



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

NOTE: Never install these or any other Dresser products before reading the Installation Instructions and Warnings.

Piping Specialties

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FORM NO. 90UN-294

Rev.708-S1.5M