

Risers and Transitions: Transition Fittings Overview

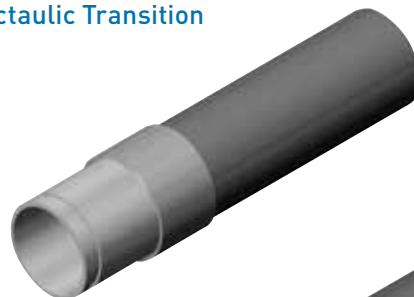
The time-tested Georg Fischer Central Plastics Transition Fitting design eliminates human error in the plastic-to-seal connection by providing a tamper proof and gas tight ASTM D2513 Category 1 mechanical joint that exceeds the hydrostatic burst pressure and tensile strength of the polyethylene pipe. The simplicity and reliability of which is now making the Georg Fischer Central Plastics Transition Fitting the transition fitting of choice in a growing number of industrial applications.

Georg Fischer Central Plastics continues to maintain a standard of excellence backed up by the most extensive research and development, quality assurance and in-house testing programs available to the industry.

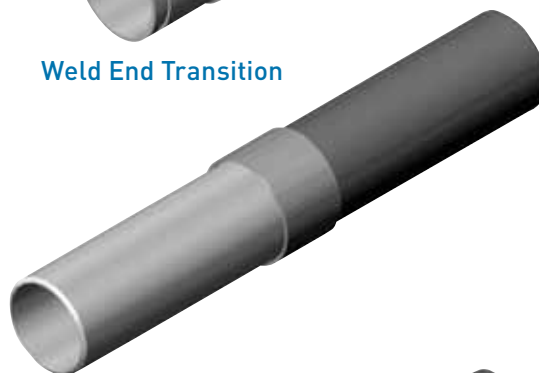
Features and Benefits

- All products are protected with an electrostatically-applied fusion-bonded epoxy powder coating specifically designed for the exterior of gas petroleum pipelines.
- One-piece design eliminates loose parts
- PE-to-steel transition joint is stronger than the PE pipe.
- Transition joint design effectively resists pullout.
- The transition design utilizes a double o-ring design for added protection.
- All gas carrying welds on steel transitions are 100% air tested.
- Minimum shear points

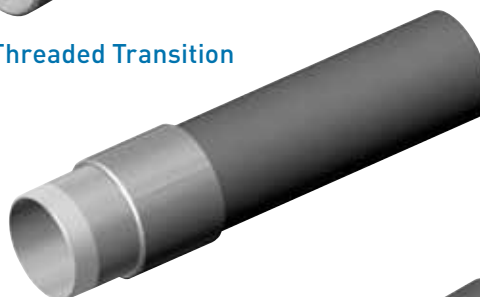
Victaulic Transition



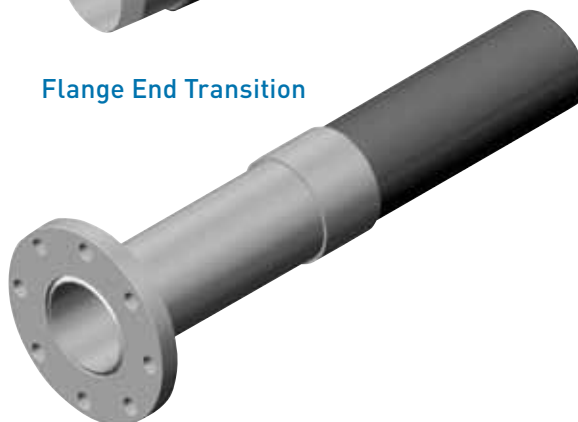
Weld End Transition



Threaded Transition



Flange End Transition



Risers and Transitions: Transition Fittings

Available Types and Options

Transition Types

- Steel thread end epoxy coated (½"–8")
- Steel threaded internal coated (½"–8")
- Steel weld end epoxy coated (½"–24")
- Steel flange end epoxy coated (2"–24")
- Steel victaulic end epoxy coated (2"–24")

Options

- Tracer wire connector
- Special designs and custom specifications available
- Protective sleeves
- Available in Schedule 40 and Schedule 80

Testing and Compliance

All Georg Fischer Central Plastics Risers meet or exceed the following applicable standards and are subjected to an extensive testing program to ensure consistent performance in the field that is safe, robust and reliable.

- DOT Code of Federal Regulations, Title 49, Part 192
- ASTM D2513 - Standard Specification for Thermoplastic gas pressure pipe, tubing, and fittings qualified Category 1 requirements
 - ASTM D1598 - Test Method for Time to Failure of plastic pipe under constant internal pressure (Sustained Pressure Test)
 - ASTM D1599 - Test Method for resistance to short term hydraulic pressure of plastic pipe, tubing and fittings (Quick Burst)
 - ASTM D638 - Test Method for Tensile Testing

- ASTM F1973 - Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings.
 - ASTM E515 - Test Method for Leak Testing
 - ASTM D638 - Test Method for Tensile Testing
 - ASTM F1588 - Test Method Constant Tensile Load Test
 - ASTM F1973, 7.4 - Test Method for Temperature Cycling Test
- Complies with CSA B137.4
- Listed with IAPMO/UPC (where applicable)

Technical Specifications

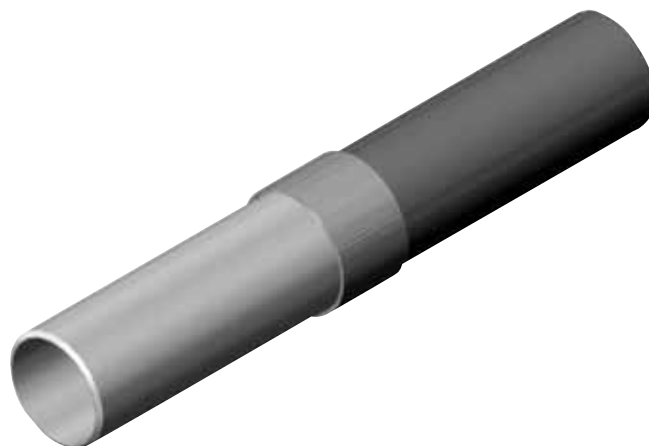
- Steel Gas Carrier - API 5L - ASTM A53
- Pipe Threads - ANSI B1.20.1
- PE Pipe per ASTM D2513
- Protective Coating Specs

All parts are protected with an electrostatically applied fusion-bonded epoxy powder coating specifically designed for the exterior of gas petroleum pipelines.

- 8 mil minimum thickness
- AGA 49 grey
- Cathodic disbondment testing per ASTM G8
- Salt spray testing per ASTM B117
- Impact resistance testing per ASTM G14

Call about Specialty Transition design options and cost.

Weld-End Transition Fittings: with PE2406/PE2708 Gas Pipe



Protective sleeves are available on request.

Please call for sizes and prices.

For transition fittings larger than 12" call for availability and pricing.

WELD END TRANSITIONS: w/PE2406/PE2708 GAS PIPE

Size	Description	Part Number	Wt.	Box / Pallet
1/2" IPS x 1/2" IPS	DR9 YEL	6500579	1.74	30 / 360
3/4" IPS x 1/2" CTS	.090 YEL	650756200000	1.52	40 / 640
3/4" IPS x 3/4" IPS	.090 YEL w/18" SLV	6500583	2.07	30 / 360
3/4" IPS x 1/2" IPS	DR9 YEL	6501203	1.49	40 / 640
3/4" IPS x 1/2" IPS	DR9 YEL w/18" SLV	6500909	1.92	30 / 360
3/4" IPS x 3/4" IPS	DR11 YEL	650757500000	1.53	40 / 640
3/4" IPS x 3/4" IPS	DR11 YEL w/12" SLV	6500937	2.02	30 / 360
1" IPS x 1" CTS	.099 YEL	650011100000	3.72	32 / 512
1" IPS x 1" CTS	.099 YEL w/12" SLV	6500073	3.72	16 / 192
1" IPS x 1" IPS	DR11 YEL	650010100000	2.26	35 / 512
1" IPS x 1" IPS	DR11 YEL w/12" SLV	6500961	3.46	16 / 192
1 1/4" IPS x 1 1/4" IPS	DR10 YEL	650121200000	3.29	15 / 240
1 1/4" IPS x 1 1/4" IPS	DR10 YEL w/18" SLV	6500066	3.32	16 / 192
1 1/2" IPS x 1 1/4" IPS	DR11 YEL	650151500000	4.36	25 / 300
2" IPS x 2" IPS	DR11 YEL	650020200000	5.26	16 / 192
2" IPS x 2" IPS	DR11 YEL w/28" SLV	6500112	6.87	9 / 108
3" IPS x 3" IPS	DR11.5 YEL	650030300000	13.67	5 / 60
3" IPS x 3" IPS	DR11.5 YEL w/28" SLV	6500586	17.57	4 / 48
4" IPS x 4" IPS	DR11 YEL	6500891	18.87	4 / 48
4" IPS x 4" IPS	DR11 YEL w/30" SLV	6500098	24.38	4 / 48
4" IPS x 4" IPS	DR11.5 YEL	6500569	18.80	4 / 48
4" IPS x 4" IPS	DR11.5 YEL w/30" SLV	6500587	19.44	4 / 32
4" IPS x 4" IPS	DR13.5 YEL	6501129	23.93	4 / 48
4" IPS x 4" IPS	DR13.5 YEL w/30" SLV	6501163	25.75	4 / 32
6" IPS x 6" IPS	DR11 YEL	6500959	45.83	1 / 24
6" IPS x 6" IPS	DR11 YEL w/36" SLV	6500960	67.50	1 / 9
6" IPS x 6" IPS	DR11.5 YEL	6500570	46.36	1 / 24
6" IPS x 6" IPS	DR11.5 YEL w/36" SLV	6500588	66.00	1 / 9
6" IPS x 6" IPS	DR13.5 YEL	6500894	47.14	1 / 24
6" IPS x 6" IPS	DR13.5 YEL w/36" SLV	6501040	78.00	1 / 9
8 IPS x 8" IPS	DR11.5 YEL	650080800000	93.80	1 / 9
8 IPS x 8" IPS	DR11.5 YEL w/48" SLV	6500589	127.50	1 / 9
10" IPS x 10" IPS	DR13.5 YEL	6500011	170.00	1 / 3
12" IPS x 12" IPS	DR13.5 YEL	6501024	241.60	1 / 2