

# 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 Constance 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.**