Conventional PE Fusion Fittings
UNRIVALLED EXPERIENCE

Georg Fischer Central Plastics has taken the lead in creating pipe joining solutions since plastics were first used in the industry.

Since the early 1960s, researching and developing top of the line pipe fittings, and manufacturing them to perfection has been at the core of our business. We’ve learned a lot along the way and are confident that when it comes to creating durable, leak-free piping systems we have the best solutions.

We have the broadest and most complete line of Butt, Saddle, and Socket Fusion Fittings available, all manufactured and tested in our facility in Shawnee, Oklahoma. Our high-capacity manufacturing plant, certified ISO 9001, is built around advanced technologies, including fully automated injection molding to ensure precision and quality.

With leading edge, in-house engineering design capabilities and testing facilities, we design and manufacture over 10,000 pipe joining solutions for the gas, water and energy sectors.

ADVANCED IN-HOUSE TESTING

Georg Fischer Central Plastics has a comprehensive in-house lab and testing facility. The following tests are performed on all of our Butt, Saddle and Socket fittings:

- ASTM D 1599 - Minimum Hydraulic Burst Pressure Test
- ASTM D 1598 - Sustained Pressure Test Results
- ASTM D638 Tensile Strength Test
- PE3408/PE4710 Fittings are tested to the requirements of AWWA C906 (where applicable)
- PE3408/PE4710 FM Tested and Approved (where applicable)

STATE-OF-THE ART MANUFACTURING

- Fully controlled production system
- ISO 9001 quality system
- High volume capabilities
- Robotic welding
- Fully-automated injection molding
- Tool & die facility
- Advanced powder coating system
- Many proprietary processes
Polyethylene is the ideal material to create leak-free systems with no connections to corrode or loosen.
Butt Fusion Fittings.

MOLDED PE2406/PE2708:
- Manufactured and tested to the requirements of ASTM D2513 and ASTM D3261 and are sized for use with pipe conforming to ASTM D2513 and with Butt fittings con-forming to ASTM D3261.
- PE2406 /PE2708 Butt fittings are molded from a virgin yellow medium density resin in accordance with the material specifications listed in ASTM D3350 with a designation of PE2406/ PE2708.
- All PE2406/ PE2708 Butt Fittings are compatible for heat fusion with any pipe or fitting manufactured from a like or similar resin.
- PE2406/PE2708 fittings have been qualified for fusion using PPI generic fusion procedures.

MOLDED PE3408/PE4710:
- Manufactured and tested to the requirements of ASTM D2513, ASTM D3261, and ANSI/AWWA C906 for use with outside diameter controlled pipe and fittings conforming to ASTM D2513, ASTM D3035, ASTM F-714.
- Butt fittings are molded from an NSF listed resin in accordance with the material specifications listed in ASTM D3350 with a designation of PE3408/PE4710.
- GFCP PE3408/PE4710 Butt fittings are manufactured and tested to the requirements of ASTM D2513 and ASTM D3261 (where applicable) and are compatible for heat fusion with any pipe and or fitting manufactured from a like or similar resin.
- PE3408/PE4710 fittings have been qualified for fusion using PPI generic fusion procedures.

FEATURES:
- Pressure rated for natural gas and potable water applications
- IAPMO Approved (where applicable)
- CSA Approved (where applicable)
- PE3408/PE4710 FM Approved (where applicable)
- PE3408/PE4710 fittings are tested to the requirements of AWWA C906
- Can be joined by butt, socket, electrofusion or mechanical methods
- Can be heat fused with all conventional and electrofusion fusion methods

Call us for availability of other sizes and dimensions. Visit gfcp.com to view product details in our catalog.
90° ELBOWS
PE2406/PE2708
3⁄4” – 12” IPS
1” CTS
PE3408/PE4710
3⁄4” - 12” IPS and 4” - 12” DIPS

45° ELBOWS
PE2406/PE2708
3” – 12” IPS
PE3408/PE4710
3” – 12” IPS and 4” – 12” DIPS

TEES
PE2406/PE2708
3⁄4” - 12” IPS
½” - 1” CTS
PE3408/PE4710
3⁄4” - 12” IPS and ½” & 1” CTS and 4” - 12” DIPS

REDUCERS
PE2406/PE2708 and PE3408/PE4710
Wide range of sizes and dimensions available.

END CAPS
PE2406/PE2708
½” – 12” IPS
½” - 1” CTS
PE3408/PE4710
½” & 1” CTS
½” - 12” IPS

PURGE CAPS
Socket Fusion:
PE2406/PE2708
Main sizes 2”- 8” IPS
Outlet Sizes ½” & 1” CTS
Butt Fusion:
PE2406/PE2708
Main sizes 2”- 8” IPS
Outlet Sizes ½” & 1” CTS
Purge caps are available for socket fusion or butt fusion. Available with PE pups fused on [as shown] or without.

PURGE POINTS
PE2406/PE2708
1¼” & 2” IPS
PE 3408/PE4710
1¼” & 2” IPS
Saddle Fusion Fittings.
Side-wall Tapping Tees
Service Saddles
Branch Saddles

Call us for availability of other sizes and dimensions. Visit gfcp.com to view product details in our catalog.

MOLDED PE2406/PE2708:
• Manufactured and tested to the requirements of ASTM D2513 and ASTM D3261 and are sized for use with pipe conforming to ASTM D2513 and with Butt fittings conforming to ASTM D3261 as applicable.
• Molded from a virgin yellow medium density resin in accordance with the material specifications listed in ASTM D3350.
• Compatible for side-wall fusion with any pipe or fitting manufactured from a like or similar resin.
• Have been qualified for fusion using PPI generic fusion procedures.

MOLDED PE3408/PE4710:
• Manufactured and tested to the requirements of ASTM D2513, ASTM D3261 and ANSI/AWWA C906
• For use with outside diameter controlled pipe and fittings conforming to ASTM D2513, ASTM D3035, ASTM F-714 and with Butt fittings conforming to ASTM D3261.
• Molded from NSF listed resin in accordance with the material specifications listed in ASTM D3350.
• Compatible for side-wall fusion with any pipe and or fitting manufactured from a like or similar resin.
• Qualified for fusion using PPI generic fusion procedures.

FEATURES:
• Pressure rated for natural gas and potable water applications
• IAPMO Approved (where applicable)
• CSA Approved (where applicable)
• PE3408/PE4710 are tested to the requirements of AWWA C906
• Can be heat fused to pipe wall using conventional side-wall fusion methods
• Outlets can be heat fused using conventional or electrofusion fusion methods

BRANCH SADDLES

HVT T WITH ROUND BASE
PE2406/PE2708
IPS x IPS
PE 3408/PE4710
IPS x IPS, IPS x DIPS, DIPS x DIPS

Wide range of sizes and dimensions available.
**TAPPING TEES**

**ROUND BASE AND BUTT OUTLET**
PE 3408/PE4710
Main Size: 2” – 12” IPS and 4” – 12” DIPS
Outlet Size: 1” IPS and ¾” – 1” CTS

**RECTANGULAR BASE AND BUTT OUTLET**
PE2406/PE2708 and PE3408/PE4710

**TAPPING TEES TRAINERS**
PE2406/PE2708
w/Butt Outlet
Main Size: 2” – 4” IPS
Outlet Size: ¾” IPS and 1” IPS – 1” CTS

PE 3408/PE4710
w/Butt Outlet
Main Size: 2” IPS
Outlet Size: ½” CTS

**RECTANGULAR BASE AND SOCKET OUTLET**
PE2406/PE2708 and PE3408/PE4710
Wide range of sizes and dimensions available.
Also available with 12” sleeves.

**HIGH VOLUME TAPPING TEES**

**RECTANGULAR BASE AND COMBO OUTLET**
PE2406/PE2708
Wide range of sizes and dimensions available.

**HVTT WITH SQUARE BASE**
PE 2406/PE2708 [SDR 11 Outlets]
Main Size: 2” – 12” IPS and
4” – 12” DIPS
Outlet Size: 2” IPS

**HVTT WITH LARGE ROUND BASE**
PE 3408/PE4710 w/Socket Outlet
[SDR 11 Outlets]
Main Size: 2” – 12” IPS and
4” – 12” DIPS Outlet Size: 2” IPS

**CAST IRON TRANSITION TEE W/ BRASS THREADS AND BUTT OUTLETS**
PE2406/PE2708
Outlet Size: 1 ¼” IPS and 1” CTS
Tapping Thread Size: 1” – 2” Brass

PE 3408/PE4710
Outlet Size: 1” – 1 ¼” IPS and 1” to 1 ½” CTS Tapping Thread Size: 1” – 2” Brass

**STAB OUTLET**
GF Central Plastics offers factory-installed stab outlets and excess slow valves on our conventional tapping tees.

**EXCESS FLOW VALVE**
Socket Fusion Fittings.

**MOLDED PE2406/PE2708:**
- Manufactured and tested to the requirements of ASTM D2513 and ASTM D2683 and are sized for use with pipe conforming to ASTM D2513.
- Molded from a virgin yellow medium density resin in accordance with the material specifications listed in ASTM D3350.
- Compatible for heat fusion with any pipe or fitting manufactured from a like or similar resin.
- PE2406/PE2708 fittings have been qualified for fusion using ASTM D2657 generic fusion procedures.

**MOLDED PE3408/PE4710:**
- Fully manufactured and tested to the requirements of ASTM D2513 and ASTM D2683
- Manufactured for use with outside diameter controlled pipe and fittings conforming to ASTM D2513 and ASTM F-714.
- Molded from a virgin black high density resin in accordance with the material specifications listed in ASTM D3350.
- PE3408/PE4710 Fusion fittings are manufactured and tested to the requirements of ASTM D2513 and ASTM D2683 and are compatible for heat fusion with any pipe and or fitting manufactured from a like or similar resin.
- PE3408/PE4710 fittings have been qualified for fusion using ASTM D2657 generic fusion procedures.

**FEATURES:**
- Pressure ratings up to SDR7 on most sizes
- IAPMO Approved (where applicable)
- CSA Approved (where applicable)
- Can be used with all socket fusion methods

Call us for availability of other sizes and dimensions. Visit gfcp.com to view product details in our catalog.
COUPLINGS

PE2406/PE2708
Main Size: ½” - 4” IPS and ½” & 1” CTS

PE3408/PE4710
Main Size: ½” - 4” IPS and ½” & 1” CTS

TEES

PE2406/PE2708
Main Size: ½” - 4” IPS and ½” & 1” CTS

PE3408/PE4710
Main Size: ½” - 4” IPS and ½” & 1” CTS

REDUCERS

PE2406/PE2708 and PE3408/PE4710
Wide range of sizes and dimensions available.

END CAPS

PE2406/PE2708
Main Size: ½” - 4” IPS and ½” & 1” CTS

PE3408/PE4710
Main Size: ½” - 3” IPS and ½” CTS

PURGE CAPS

PE2406/PE2708
Main sizes 2” - 8” IPS Outlet Sizes ½” & 1” CTS
PE Adapters.

**PE3408/PE4710:**
- Manufactured and tested to the requirements of ASTM D3261 and ANSI/ AWWA C906 for use with pipe conforming to ASTM D2513/3035, F-714 and with Butt fittings conforming to ASTM D3261 as applicable.
- Molded from an NSF listed resin in accordance with the material specifications listed in ASTM D3350.
- Compatible for heat fusion with any pipe or fitting manufactured from a like or similar resin.

**FEATURES:**
- Pressure rated for municipal and industrial applications
- FM Approved (where applicable)
- Tested to the requirements of AWWA C906
- Can be heat fused using conventional and electrofusion fusion methods
- Can be beveled for butterfly valves when requested
- MJ Adapters can be provided with stiffeners when requested

<table>
<thead>
<tr>
<th>GASKETED</th>
<th>BALL VALVES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Size:</td>
<td>Full Port PE3408/PE4710</td>
</tr>
<tr>
<td>4” &amp; 6” IPS</td>
<td>1 ¼” – 12” IPS</td>
</tr>
<tr>
<td>Outlet Size:</td>
<td>NSF rated</td>
</tr>
<tr>
<td>4” &amp; 6” PSM</td>
<td>The trunnion-pin design allows easy opening and closing of valves in large diameter pressure piping systems.</td>
</tr>
<tr>
<td>and 4” &amp; 6” Sch 40</td>
<td></td>
</tr>
</tbody>
</table>

Call us for availability of other sizes and dimensions. Visit gfcp.com to view product details in our catalog.
**FLANGE ADAPTER**  
**BACK-UP RINGS**

**PE3408/PE4710**  
3/4” – 54” IPS and 3” – 30” DIPS  
Beveled for Butterfly Valves available on request. Standard 45° bevel unless otherwise specified by customer.

**3/4” – 54” IPS and 3” – 30” DIPS**  
**Material:** ASTM A536, GR 65/45/12  
**Standard:** Convoluted Type, Ductile Iron, 150 lb. Drilling  
**Finish:** Red Oxide Primer  
Epoxy coated and stainless steel back-up rings available.

---

**MJ ACCESSORY KITS**

**CARBON STEEL GLAND RING**  
14”–24” IPS/DIPS  
**MJ Accessory Kits Include:**  
rubber gasket, T-bolts, heavy flat washers & hex nuts. Does not include gland ring – black carbon steel ring must be ordered separately.

**2”–24” IPS/DIPS**  
**MJ Accessory Kits Include:**  
ductile iron gland ring, rubber gasket, T-bolts & hex nuts.
GEORG FISCHER CENTRAL PLASTICS

Georg Fischer Central Plastics builds quality piping systems that are efficient, reliable and safe - supplying products and solutions with unparalleled integrity.

PIPING SYSTEMS, PRODUCTS & SOLUTIONS WITH INTEGRITY

Oklahoma - Head Office
39605 Independence
Shawnee, OK 74804

Texas
4949 Joseph Hardin Drive
Dallas, TX 75236

1.800.654.3872
gfcp.com

Gas | Water & Waste Water | Energy | Industrial