

Conventional PE Fusion Fittings



PRECISION IS CENTRAL.

As experts in pipe joining solutions, we know precision is vital to every fitting and how they are fused. We offer the most complete range of conventional fusion fittings, injection molded and tested in our state of the art manufacturing facilities to exacting quality standards.

Georg Fisher Central
Plastics can custom build
to suit your needs.

Gas | Water & Waste Water |
Energy | Industrial

UNRIVALED 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.

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.
- 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.
- GFPC 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



90° ELBOWS

PE2406/PE2708

3/4" - 12" IPS
1" CTS

PE3408/PE4710

3/4" - 12" IPS and 4" - 12" DIPS



TEES

PE2406/PE2708

3/4" - 12" IPS
1/2" - 1" CTS

PE3408/PE4710

3/4" - 12" IPS and 1/2" & 1" CTS
and 4" - 12" DIPS



45° ELBOWS

PE2406/PE2708

3" - 12" IPS

PE3408/PE4710

2" - 12" IPS and 4" - 12" DIPS



REDUCERS

**PE2406/PE2708 and
PE3408/PE4710**

Wide range of sizes and
dimensions available.



END CAPS

PE2406/PE2708

1/2" - 12" IPS
1/2" - 1" CTS

PE3408/PE4710

1/2" & 1" CTS
3/4" - 12" IPS



PURGE CAPS

Socket Fusion:

PE2406/PE2708

Main sizes 2" - 8" IPS
Outlet Sizes 1/2" & 1" CTS

Butt Fusion:

PE2406/PE2708

Main sizes 2" - 8" IPS
Outlet Sizes 1/2" & 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

1 1/4" & 2" IPS

PE 3408/PE4710

1 1/4" & 2" IPS



Saddle Fusion Fittings.

Side-wall Tapping Tees
Service Saddles
Branch Saddles

Call us for availability of other sizes and dimensions. Visit gfc.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



HVTT 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

TRAINERS



TAPPING TEE 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

PE2406/PE2708
w/Socket Outlet
Main Size: 1¼" - 6" IPS
Outlet Size: 1" IPS and
½" - 1" CTS

PE 3408/PE4710
w/Socket Outlet
Main Size: 2" & 4" IPS
Outlet Size: 1" IPS

SERVICE SADDLES



ROUND BASE AND BUTT OUTLET

PE2406/PE2708 and
PE3408/PE4710

Wide range of sizes and dimensions available.
Also available with 12" sleeves.



RECTANGULAR BASE AND SOCKET OUTLET

PE2406/PE2708 and
PE3408/PE4710

TAPPING TEES WITH STABS AND EFV'S



STAB OUTLET

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



EXCESS FLOW VALVE

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



RECTANGULAR BASE AND SOCKET OUTLET

PE2406/PE2708
and PE3408/PE4710
Main Size: 1¼" - 8" IPS
Outlet Size: ½"-1 ¼" IPS
and ½"-1" CTS



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 ¼" CTS Tapping Thread Size:
1" - 2" Brass

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 gfc.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

ELBOWS



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

REDUCING TEES



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

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

GASKETED



Nominal Size:
4" & 6" IPS
Outlet Size:
4" & 6" PSM
and 4" & 6" Sch 40

BALL VALVES



Full Port PE3408/PE4710
1 1/4" – 12" IPS
NSF rated
The trunnion-pin design allows easy opening and closing of valves in large diameter pressure piping systems.

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

MJ ADAPTERS



PE3408/PE4710
2" – 24" IPS to IPS
and 2" – 24" DIPS to DIPS
Beveled for Butterfly Valves available on request.
Standard 45° bevel unless otherwise specified by customer.
Gland Packs sold separately (includes gasket, ring and bolts).

FLANGE ADAPTER



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.

BACK-UP RINGS



3/4" – 54" IPS and 3" – 30" DIPS

Material: ASTM A536,
GR 65/45/12

Standard: Convuluted Type,
Ductile Iron, 150 lb. Drilling

Finish: Red Oxide Primer

Epoxy coated and stainless steel
back-up rings available.

MJ ACCESSORY KITS



2"–24" IPS/DIPS

MJ Accessory Kits Include:
ductile iron gland ring, rubber
gasket, T-bolts & hex nuts.



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.





GEORG FISCHER
PIPING SYSTEMS

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

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