Electrofusion Fittings
EASY TIP

At Georg Fischer Central Plastics, we are experts in electrofusion. We pioneered and introduced the concept of electrofusion to industries throughout the United States in 1983. Today, we design and manufacture everything electrofusion, including quality fittings, installation tools and advanced processors.

Everything you need to close the gap.

All of our products and equipment are manufactured in Shawnee, Oklahoma under the highest ISO 9001 quality standards. With a long history of innovation, our in-house engineering design capabilities are leading edge. We continue to develop products and solutions to meet the demands and challenges of today’s piping infrastructure. Georg Fischer Central Plastics offers a world of experience in manufacturing leak-free and durable systems.

ADVANCED IN-HOUSE TESTING

All electrofusion fitting lines are tested in our in-house facility.

- ASTM D1599 - Minimum Hydraulic Burst Pressure Test
- ASTM D1598 - Sustained Pressure Test
- ASTM F1055 Tensile Strength Test
- Joint Integrity Test
- ASTM F1055 9.4.1 Crush test of pipe without separation from electrofusion zone
- ASTM D3034 - Gasketed Outlet Tested to 30 psi x 100 hrs (where applicable)
- PE3408/PE4710 fittings are tested to the requirements of AWWA C906 (where applicable)

STATE-OF-THE ART MANUFACTURING

- Fully controlled production system
- ISO 9001 quality system
- High volume capabilities
- Robotic manufacturing
- Fully-automated injection molding cells
- Tool & die facility
- 3-D SolidWorks Modelling
- Mold-Flow analysis
- Linear and non-linear FEA analysis for stress/strain and thermal modeling
All of our products and equipment are manufactured and tested in our ISO 9001 certified facilities.
Electrofusion Fittings.

EF FITTINGS:
Most electrofusion fittings can be supplied with an integral identification resistor that is recognized by Georg Fischer Central Plastics’ processors to automatically set the proper fusion parameters. All electrofusion fittings are supplied with a 24-digit ISO compliant barcode label, which facilitates the simple input of correct fusion parameters (regardless of your brand of electrofusion processor).

- Designed and manufactured in accordance with ASTM F-1055 for use with pipe conforming to ASTM D2513/3035, F-714 and with Butt fittings conforming to ASTM D3261 as applicable.
- PE2406/PE2708 and PE3408/PE4710 electrofusion fittings are produced from high quality virgin resins that have designated listings of PE2406/2708 or PE3408/PE4710, both of which comply with ASTM D3350.

FEATURES:
- Compatible for fusion to either PE2406/PE2708 or PE3408/PE4710 and other similar pipe
- Cross-fusion compatible without special fusion instructions
- Pressure rated for natural gas and potable water applications
- Available in metric sizes
- PE3408/PE4710 fittings:
  - Utilize NSF listed resin
  - Tested to the requirements of AWWA C906
  - FM approved (where applicable)
  - CSA Certification (where applicable)

EF EQUAL TEES IN DEVELOPMENT

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

**EF COUPLINGS**

**PE2406/2708**
- 1/2" CTS - 1 1/4" CTS
- 1 1/4" IPS - 8" IPS
- NGAO = 80 psi
- MAOP = N/A

**PE3408/PE4710**
- 1/2" CTS - 1 1/4" CTS
- 1 1/4" IPS - 12" IPS
- 1 1/4" Sidor
- 4" DIPS - 12" DIPS
- NGAO = 100 psi
- MAOP = 200 psi

**EF LARGE DIAMETER COUPLINGS**

**PE3408/PE4710**
- 14" IPS - 26" IPS
- 14" DIPS - 24" DIPS
- NGAO = Currently N/A
- MAOP = 200 psi

**END CAPS**

**EF END CAP ASSEMBLY**

**PE2406/PE2708**
- 1/2" CTS - 1 1/4" CTS
- 1 1/4" IPS - 6" IPS
- NGAO = 80 psi
- MAOP = N/A

**PE3408/PE4710**
- 1/2" CTS - 1 1/4" CTS
- 3/4" IPS - 8" IPS
- NGAO = 100 psi
- MAOP = 160 psi

**REDUCERS**

**EF REDUCERS**

**PE2406/PE2708**
- 1" CTS - 1 1/4" CTS
- 3/4" IPS - 6" IPS
- NGAO = 80 psi
- MAOP = N/A

**PE3408/PE4710**
- 1 1/4" CTS
- 3/4" IPS - 2" IPS
- NGAO = 100 psi
- MAOP = 160 psi

Sizes listed above are MAXIMUM pipe size.

1 1/4" IPS x 2" IPS

NGAO = Natural Gas Allowable Operating Pressure
MAOP = Municipal Application Operating Pressure
Saddle Fittings.

**TAPPING TEES**

**EF TAPPING TEE WITH SOCKET OR BUTT OUTLET**
PE2406/PE2708
Main Sizes: 1 ¼” IPS – 10” IPS
Outlet Sizes: ½” CTS & IPS, ¾” IPS, 1” IPS & CTS

**EF TAPPING TEE TRAINER**
PE3408/PE4710
Main Sizes: 1 ¼” IPS – 12” IPS
Outlet Sizes: ½” CTS – 1 ¼” CTS, ½” IPS - 1” IPS
Also available in yellow 2406/2708

See our catalog for specific base size, outlet type and outlet size availability.

**BRANCH SADDLES**

**BRANCH SADDLE WITH 1 1/4” - 2” OUTLET & 2” - 12” BASE**

**FULL PRESSURE BRANCH SADDLES**
Main Sizes: 8” X 4” IPS - 12” X 8” IPS

**BRANCH SADDLE WITH 4” OUTLET WITH 4” - 6” BASE**

**FULL PRESSURE BRANCH SADDLE - TOP LOAD**
Main Sizes: 8” X 6” - 48” X 8” IPS/DIPS

**LOW PRESSURE BRANCH SADDLE**
Main Sizes: 8” X 6” - 48” X 8” IPS/DIPS

*Restricted pressure rating limited to 50 PSI.
See our catalog for specific base size and pressure ratings for each Branch Saddle style.

Call us for availability of other sizes and dimensions. Visit gfcp.com to view product details in our catalog.
EF TAPPING TEE WITH EXCESS FLOW VALVE

See our catalog for specific base and outlet sizes and pressure rating for each branch saddle style.

EF TAPPING TEE WITH STAB OUTLET

EF HIGH VOLUME TAPPING TEES

PE2406/PE2708
Main Sizes: 2” IPS – 12” IPS
Outlet Sizes: 1 ¼” IPS – 2” IPS

PE3408/PE4710
Main Sizes: 2” IPS – 12” IPS
and 4” DIPS – 12” DIPS
Outlet Sizes: 1 ¼” IPS – 2” IPS

TRANSITION

EF TRANSITION CORP SADDLES

PE3408/PE4710
Main Sizes: 2” IPS – 12” IPS and 4” DIPS – 12” DIPS
Outlet Sizes: ¾” CC – 2” CC and ¾” FPT – 2” FPT
This product is available in stainless steel or brass.

SEWER SADDLES

EF GASKETED SEWER SADDLES

PE3408/PE4710
Main Sizes: 6” IPS – 48 IPS”, 8” DIPS – 48” DIPS, Multi-Base 8” – 10”
Outlet Sizes: 4” IPS, 6” IPS, 4” PSM, 6” PSM

HALF COUPLING

EFHVTT WITH AN EF OUTLET

PE3408/PE4710
Main Sizes: 2” IPS – 12” IPS
and 4” DIPS – 12” DIPS
Outlet Sizes: 2” IPS

FLEX RESTRAINT

EF FLEX RESTRAINTS

PE3408/PE4710
Main Sizes: 6” – 63”
Works on solid wall pipe 6” IPS & larger

BRANCH UNIONS

EF BRANCH UNIONS

PE3408/PE4710
Main Sizes: Multi-Base
7” – 10” and 6” Fixed Base
Outlet Sizes: 4” IPS, 4” Sch 80 or 4” Cap
Installation Tools.

We carry or can source all the electrofusion tools you need for the job.

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

**SCRAPING TOOLS**

Pipe preparation and avoiding contamination are very important in the electrofusion process. Careful attention must be given to proper scraping and cleaning procedures.

**EFV SCRAPER**

**CONCEPT SCRAPER**

**PENCIL TYPE SCRAPERS**

$\frac{1}{4}"$ CTS – $2"$ CTS and $\frac{1}{2}"$ IPS – $2"$ IPS

**MOLDED SCRAPERS**

$2"$ CTS and $1 \frac{1}{4}"$ IPS – $6"$ IPS

**COUPLING SCRAPERS**

**MACHINED ROTARY SCRAPERS**

$1 \frac{1}{4}"$ – $8"$

**CAST ROTARY SCRAPERS**

$1 \frac{1}{4}"$ – $8"$

**LARGE DIAMETER COUPLING SCRAPERS**

Ritmo $2"$ – $6"$ Set,
Ritmo $3"$ – $12"$ Set,
Ritmo $14"$ – $28"$ Set
RESTRAINT TOOLS

COUPLING CLAMPS

LOCKING PLIER CLAMPS
1 ¼” CTS – 2” CTS and 1 ¼” IPS – 2” IPS

UNDER CLAMPS
Various sizes: 1 ¼” – 6”

REDUCING CLAMPS
½” CTS – 2” CTS, ½” IPS – 2” IPS
¾” x ½” - 1 ¼” x 1”

MINI CLAMPS
½” CTS – 1 ¼” CTS and ½” IPS – 1” IPS

T-CLAMPS
2”, 4”, 6” – 8”

SIDE WALL CLAMPS

LOCKING PLIER CLAMPS
1 ¼” CTS – 2” CTS and 1 ¼” IPS – 2” IPS

UNDER CLAMPS
Various sizes: 1 ¼” – 6”

REDUCING CLAMPS
½” CTS – 2” CTS, ½” IPS – 2” IPS
¾” x ½” - 1 ¼” x 1”

MINI CLAMPS
½” CTS – 1 ¼” CTS and ½” IPS – 1” IPS

T-CLAMPS
2”, 4”, 6” – 8”

SIDE WALL CLAMPS

LOCKING PLIER CLAMPS
1 ¼” CTS – 2” CTS and 1 ¼” IPS – 2” IPS

UNDER CLAMPS
Various sizes: 1 ¼” – 6”

REDUCING CLAMPS
½” CTS – 2” CTS, ½” IPS – 2” IPS
¾” x ½” - 1 ¼” x 1”

MINI CLAMPS
½” CTS – 1 ¼” CTS and ½” IPS – 1” IPS

T-CLAMPS
2”, 4”, 6” – 8”

TOP LOAD CLAMP
For use on 8” to 12” pipe
Re-rounding Tools & Accessories.

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