



**Gas
Utilities**

From Applications
to Products



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GF Piping Systems

Your global system provider

We are dedicated to designing, manufacturing and marketing piping systems for the safe and secure conveyance of liquids and gases.

We put customers first

- We offer customer support and training worldwide
- We measure your satisfaction

We act fast

- Local presence worldwide
- Superior logistics
- Speed in all details

We do what we say

- Tested quality
- Always reliable

Your competent partner to build, monitor and operate your network

- Always the right solution for water utilities
- Premium quality and performance
- Increased security throughout the system
- Technological expertise
- «One-stop shopping» around the world
- System solutions
- Know-how and experience
- Local support

+GF+

Added Value



Long term proven solutions for Gas Utilities

In gas distribution, whether for main lines, service lines, a safe connection – especially with different materials – is always a primary concern.

GF Piping Systems has the right solution even for your most difficult connections. Our complete system solutions are:

- PE welded distribution systems, butt fusion and electrofusion.
- Mechanical restraint solutions for PE, PVC, DCI and steel.
- Maintenance and repair as well as tapping concepts for all types of transmission and distribution systems.

Brandnames:

Draw Lock
ELGEF Plus
MSA Plus
TM
MULTI/JOINT
Multi/Clamp
Multi/Saddle Plus
Plast/Joint
PRIMOFIT

How to use the brochure



1

Start with Application Environment



2

Select your Application



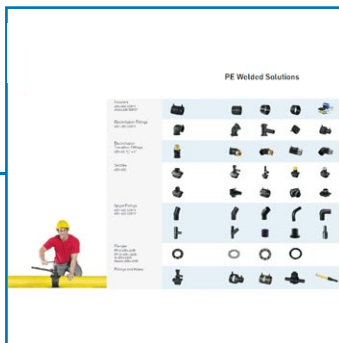
3

Find your System Solution



4

Choose your Jointing Technology



5

Add Products



Gas Utilities

For decades, gas has been delivered through a network of buried transmission and distribution pipes to homes and industries throughout the world. It has grown to become the most dependable form of energy and being one of the cleanest, safest and most useful of all energy sources. During recent years the gas supply industry has invested greatly to ensure and enhance consistent quality in the operation and maintenance of the gas supply networks. GF Piping Systems continues to provide high quality systems and services for building and maintaining these networks thus contributing to the transportation of gas in the safest, most secure and reliable way. With our polyethylene (PE100) systems we offer you full traceability for integrated sustainable quality assurance. Our leading know-how and expertise for all gas distribution applications help you finding the right solution.



*Ship Building/Biogas
Offshore/Coal Seam Gas* 1

Transport Lines 2

Distribution Lines 3

→ For more information please see our application brochures or ask your local representative.

Transport lines bring the gas from the production to the gas distribution points and could serve as intermediate storage.

Distribution lines distribute the gas to the point of use either in industrial or housing areas.

From Source to Point of Use

Extraction → Production → Transport → Storage → Distribution → Point of Use



Service lines and House Connections 4

Service lines convey the gas from the distribution line into the home either by connecting or passing through a gas meter.

Maintenance & Repair 5

Gas distribution networks are continually maintained, extended and serviced ensuring a safe and reliable gas supply to end-users.

Building Technology 6

→ For more information please see our brochures.



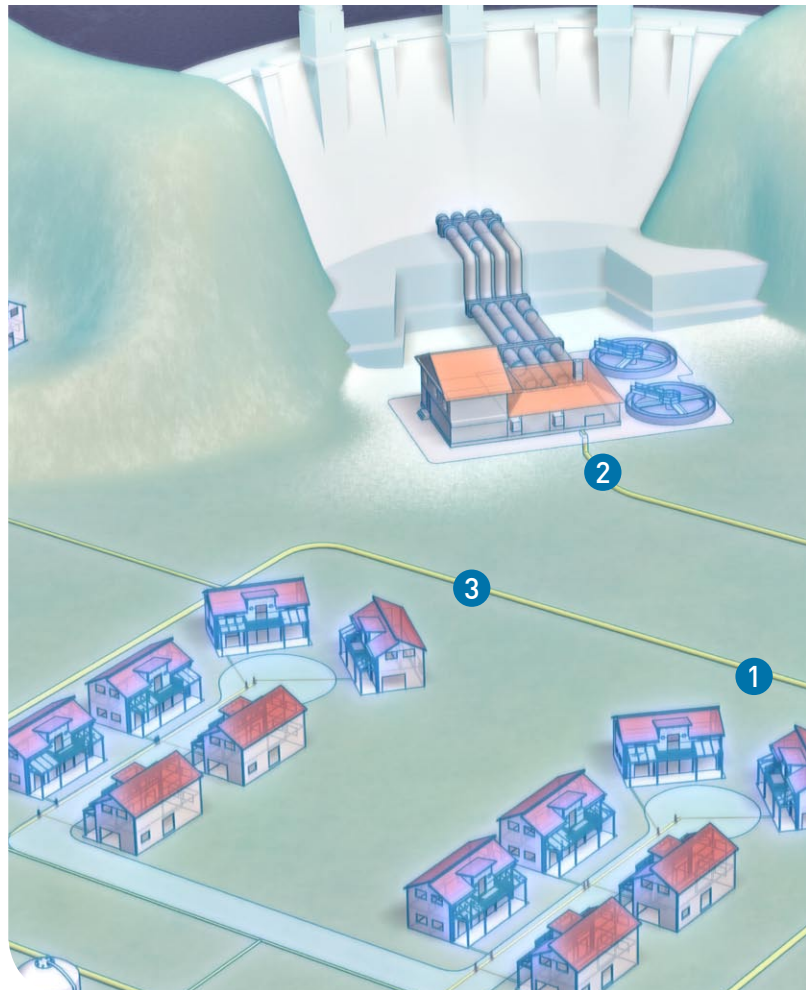
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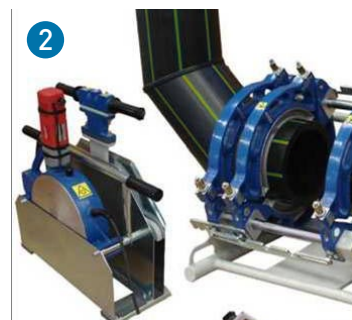
Efficient and effective movement of gas from producing regions to consumption regions requires an extensive and elaborate transportation system. In many instances, produced gas will have to travel great distances to reach its point of use. These pipelines are buried in the ground usually at a depth of around 1 meter and generally operate at pressures of up to 70 bar and are typically in the range from DN300 and upwards.

Transportation is closely linked to storage, should the gas being transported not been required at that time. The transmission systems are also linked to the systems of other transmission operator or directly to industrial sites.

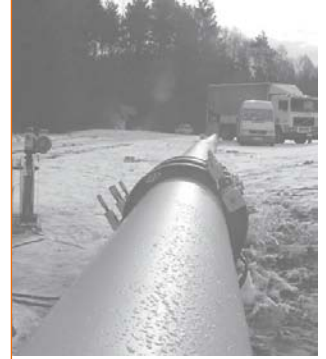
For secure transport of gas, it is essential that pipes, fittings, valves and other components are connected safely and reliably, especially in applications where different materials are jointed. GF Piping Systems offers a full comprehensive package, inclusive of all tooling like butt & electrofusion machines, fittings, couplers, saddles as well as mechanical transition joints for jointing pipes up to d1200, with pressures up to 10bar.



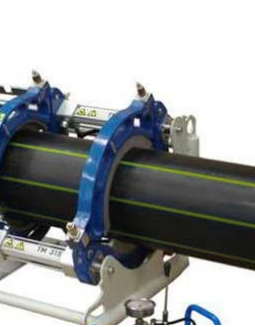
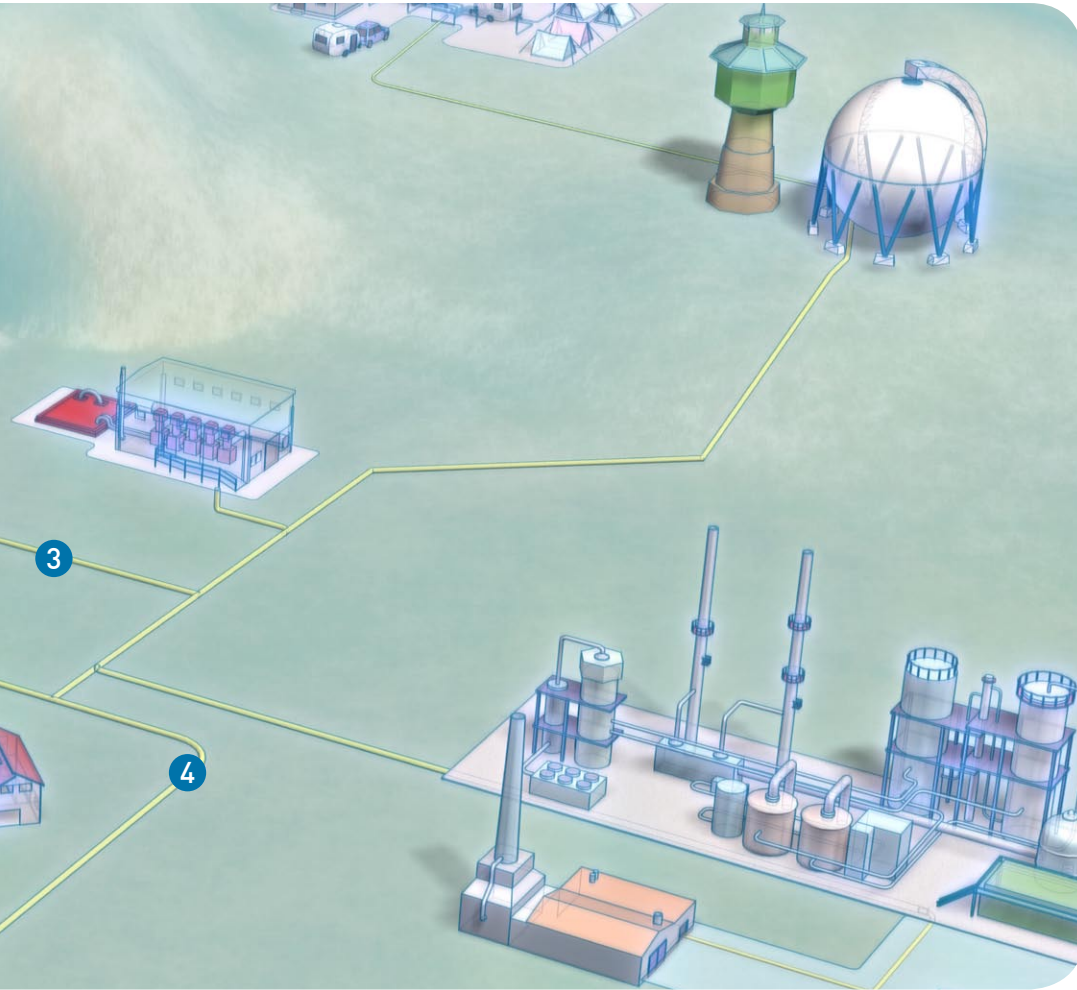
Quick and easy installation for bigger diameters. Active welding without pre-heating for diameters up to d630.



Economic and safe jointing of large dimensions. The sturdy design of the butt-fusion machine



Transport Lines



eliminates any bending and laying stresses.



Cost effective butt fused pipe laying meets local requirements.



Tough conditions: Our welding equipment and tools are completely reliable and geared for use under challenging conditions.

Transport Lines



Couplers for PE pipelines for bigger dimensions. Active reinforcement with following functions:

- Allows bigger gaps for easy assembly
- Rapid gap closing for safe and reliable joints

Butt fusion machines for bigger dimensions.

Installation of PE or PP pipelines cost effectively, free of leakage and with a long-term safety factor, butt fusion technology is highly versatile and widely used.

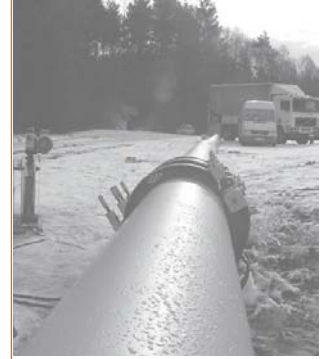
Transitions for all kinds of transport pipes.

Regardless of the pipe material, we have the perfect fit when it comes to making transitions. Resicoat offers maximum corrosion protection and the long fitting lengths make installation easier.

Perfect electrofusion with our control units.

MSA Plus control units with USB connectivity, data recording and transfer to our Win-Weld software. Robust design, reliable fusion process, user guidance in 28 languages and long servicelife





Transport Lines



High productivity workshop machines, a perfect way for producing customized solutions. The unit features functions like automatic or operator guided welding process with data recording for ease of use.



Connections to existing pipelines.

Connections to pipelines are installed without pressure or under pressure. The right tools enable the construction of a perfect joint, branch connection or transition.



Easy and fast pipe cutting for large diameters.

Plastic pipe cutter for diameters from 355 – 1600 mm. The KS 1600 basic kit includes saw blade and guidance chains.



Spigot fittings from our ELGEF Plus program.

Widest range of fittings/ sizes, high quality manufacturing and fully compatible. Long-end spigot fittings are suitable for both electrofusion and butt fusion; individually packed in PE bags.

Transport Lines

+GF+



On the outskirts of towns, the gas is taken over by the local distribution system. Delivery stations reduce the pressure of the gas coming from the transmission lines to make it compatible with the distribution system and meter the gas flow.

The distribution system, which has smaller pipes than on the transmission system, and mostly made of polyethylene (PE100) delivers the gas to the house via service lines and house connections. Distribution Lines generally operate at 0,1 to 10 bar and are typically dimensioned in the range of d90 up to 225 mm.

GF Piping Systems offers a full and comprehensive package, inclusive of all tooling like butt & electro fusion machines, fittings, couplers, saddles as well as mechanical transition joints for the gas distribution systems.

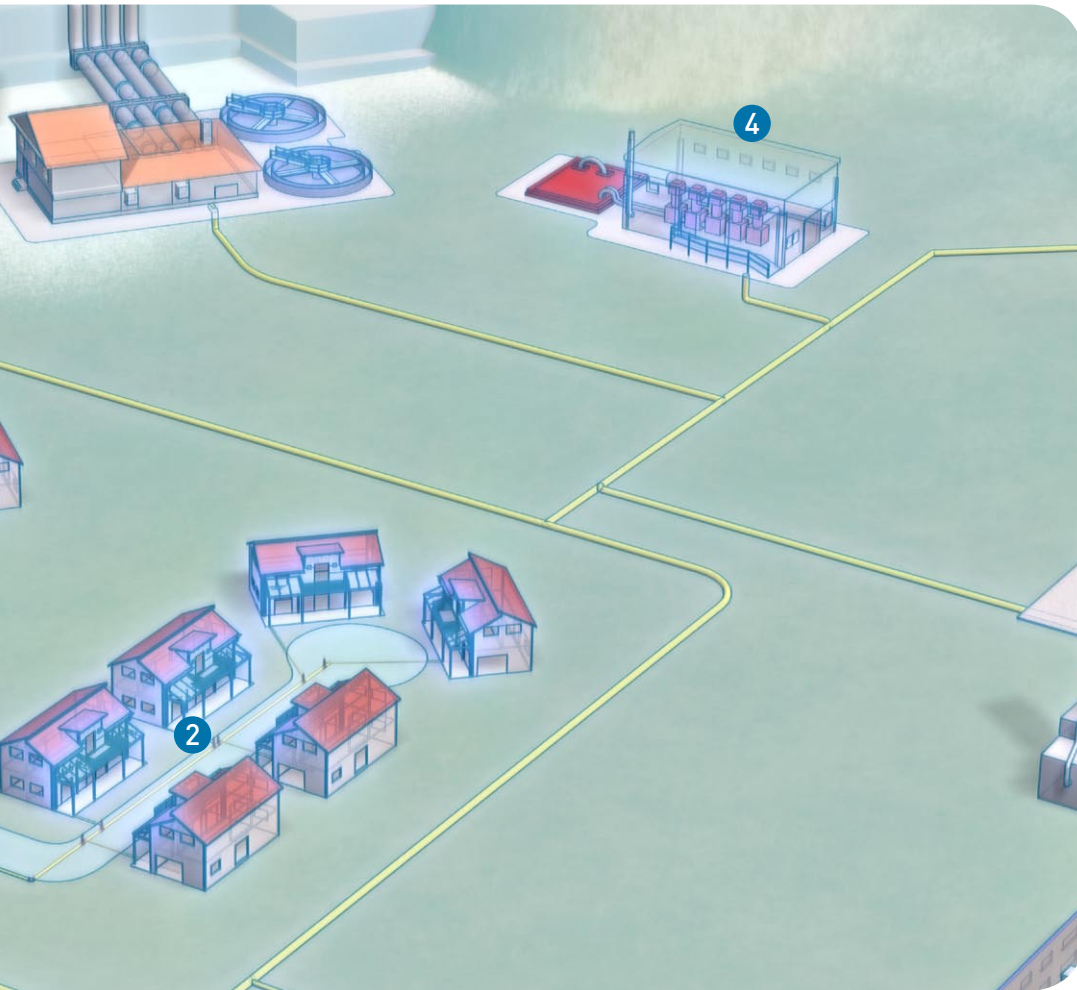


Transitions are made easy with the MULTI/JOINT system. Transitions for all pipes.



Enable traceability: Robust, handy barcode scanner. For traceability and data storage.

Distribution Lines



Distribution Lines



Full comprehensive range of necessary tools for pipe preparation and quality jointing to flanges, with Draw Lock.



Integral systems solutions offered in one delivery program, PE Ball Valve and saddle both from the ELGEF Plus range can either be installed under pressure or pressureless.

Distribution Lines



ELGEF Plus electrofusion system in PE 100 with modular components. Full range from d20 up to d630 with couplers, reducers, branches and fittings. For a complete urban district piping system, either new pipelines or extensions.

Butt fusion machines: Flexibility when joining different pipes in the wide field of distribution. Welding of PE or PP pipes. Machines equipped with data recorder for documentation of the piping network and fully automatic CNC machines.

Complementary solutions to welding
Plast/Joint – the dedicated mechanical coupling from d63 – d315. For easy installation of plastic pipes with a single-bolt system.

Transition in a universal way:
 MULTI/JOINT 3000 restraint fittings can be used to make end-loaded or flexible resistant connections up to 8 bar.



Distribution Lines



The perfect product in every situation. Fusion joints and mechanical connections made fast and easy.



The right tools: Rotary peelers and MSA Plus control units round off the product selection. Data recording, reliable fusion process and robust design ensure traceability.



PE Ball Valve from ELGEF Plus available in PE 100 SDR 11. Lightweight, corrosion resistant, with plug or ball valve, full range of accessories.



Wide range of extension spindles and street covers: We offer a lightweight and yet sturdy access point for top-operation of valves.



Distribution Lines

Distribution Lines

+GF+



House connections and service lines tap directly into the distribution grid thus transporting the gas through meters and safety valves to the end customers like apartment buildings, industrial estates, offices and private houses where it is mostly used for cooking, heating and small industrial processes. Generally the pressures in these systems, range in size from d20 to 63 mm, do not exceed 1 bar.

Today predominantly polyethylene (PE100) is used for nearly all house service pipes for such reasons as flexibility, easy jointing and a long product. The modular ELGEF design electro fusion systems offer a proven and appropriate solution for almost every application.

GF Piping Systems also offers a lot of different jointing technologies: compression, draw-lock, push-it and thread joints, this to service the needs to connect also to existing piping thus making GF Piping Systems your partner in bringing you the full solution to build, renovate and maintain your networks.

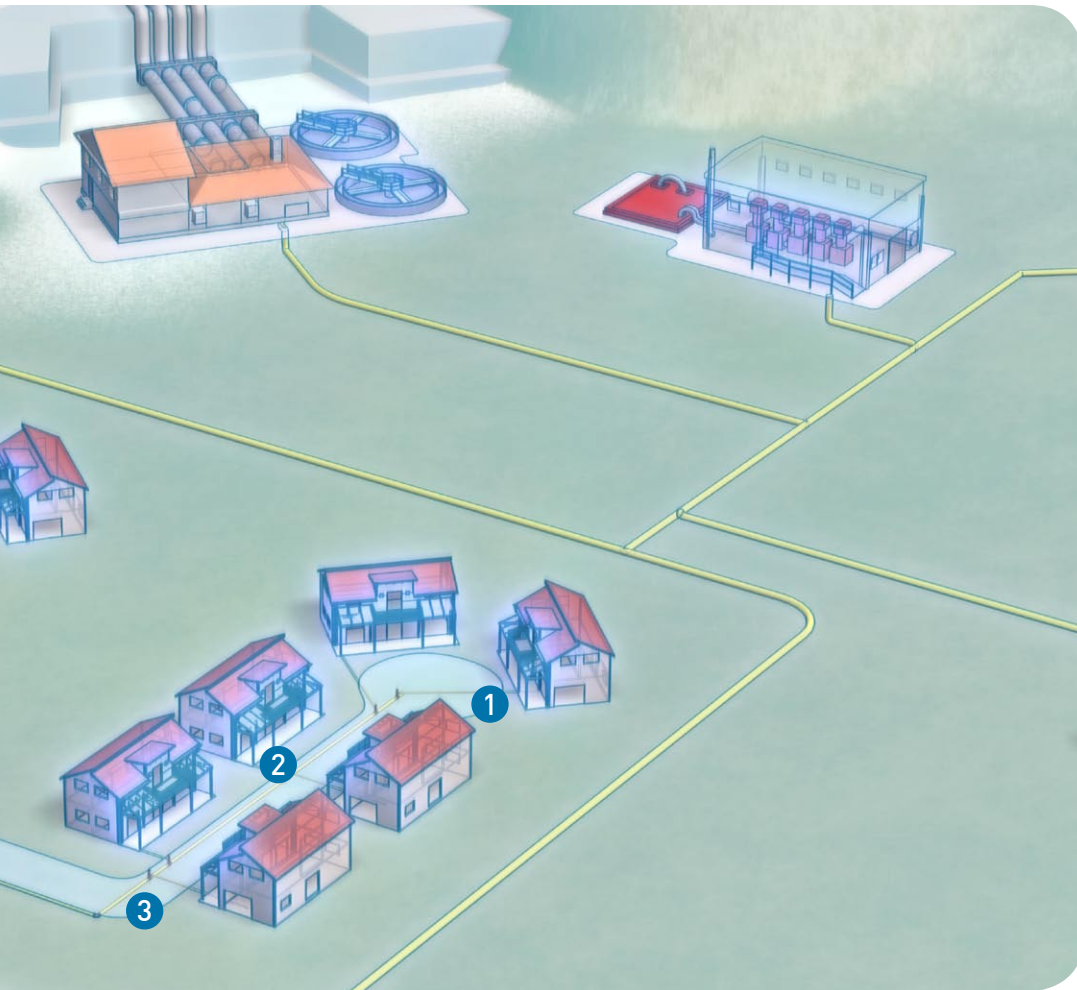


Easy preparation ensuring quality welding. Rotary scraper for correct pipe surface preparation.



Under pressure branch connection with PE Ball Valve from ELGEF Plus with saddle and telescopic extension spindle

House Connections and Service Lines



Service Lines



House Connections & Service Lines

House Connections &



Easy and time-saving solution. Tapping saddle and Primofit combination for repair, network extension or new installation.



Automatic fusion data input: Easy and fast input of the necessary fusion data with the barcode reader used for example traceability.

Connection Possibilities

- 1 Plastic Street Cover
- 2 Extension Spindle
- 3 ELGEF Monoblock Tapping Saddle
- 4 ELGEF Tapping Tee Modular System
- 5 ELGEF Pressure Tapping Valve
- 6 ELGEF Saddle
- 7 Gas Stop Coupler
- 8 Gas Stop
- 9 ELGEF Reducer
- 10 ELGEF Coupler
- 11 Electrofusion Elbow
- 12 PE Ball Valve
- 13 Transition Fitting
- 14 Drilling Device W400
- 15 Weldable Transition Fitting
- 16 Multi Saddle 200
- 17 Multi Saddle 201
- 18 Multi Saddle 301
- 19 Multi/Clamp Saddle
- 20 Service Top Tee
- 21 Primofit Coupling
- 22 Male Adaptor
- 23 ELGEF Transition Fitting
- 24 Meter Box Adaptor (Draw Lock)
- 25 Metal Box Adaptor (Push-Fit)

Under pressure tapping solutions either integral or with tapping tool are possible with most connection possibilities.

Above
Ground

1



Main
Line

Below
Ground

2



4



3



5



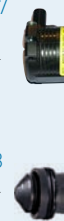
6



Welded
plastic
solutions

7

8



Mechanical
solutions in
metal and
plastics

20



18



16



17



19



Connection
Technology

1



Valves

Connection
Technology

2



13



9



10



14



15



9



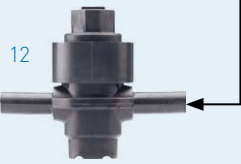
10



11



12



Service Lines



House Connections
& Service Lines

House Connections & Service Lines

25



21



24



21



22



23



12





Modularity is the strength of ELGEF Plus.

Each individual fitting and saddle is made to match and when put together form reliable leakproof connections.

Joining PE and steel pipe without threading.

Complete range of metal fittings for connecting pipes made of PE, steel, lead and other materials. The product range also offers malleable cast iron gas service fittings.

Meter Box Adaptors as transition for joining PE service lines to gas meter boxes. For easy installing two different jointing technologies are available: Draw-lock and push-fit. These house connections are offered for 20 mm, 25 mm and 32 mm.

Service Top Tees as transition for joining steel or cast iron mains to PE service lines. Top Tees are available for PE service lines 20 mm to 32 mm and 63 mm.

Ensuring the highest quality welding in little time, peeling tools and MSA Plus electrofusion machines. Rotary scraper ensures exact pipe preparation. The MSA electrofusion machines offer unique temperature-dependent welding cycles shortening the overall welding times featuring optional full traceability. Robust design, user guidance in several languages and long service life.



House Connections and Service Lines



Quick, easy and permanent saddles on any existing pipe.

The **Multi/Clamp** series, stainless steel flexible saddles with any outlet required. The **Multi/Saddle Plus** a wide-range tapping saddle, DN60 - DN300, with integrated temporary shut-off mechanism.



ELGEF Plus Tapping Valve

– **you choose the direction.** Select between two tapping designs and then bring the 360° rotatable outlet into position.



Lightweight and easy to install with a robust PE service valve. Material combinations or different jointing techniques are possible. Rely on such proven products as our ELGEF Plus modular system. Reliable possibility to activate all valves.



Tapping into new or existing pipes under pressure or pressureless, with GF W400 or W410 Light-weight drilling tool for 3/4 up to d 86 onto d630 mains. Featuring wide range accessories to allow economic extensions.

Service Lines



House Connections & Service Lines

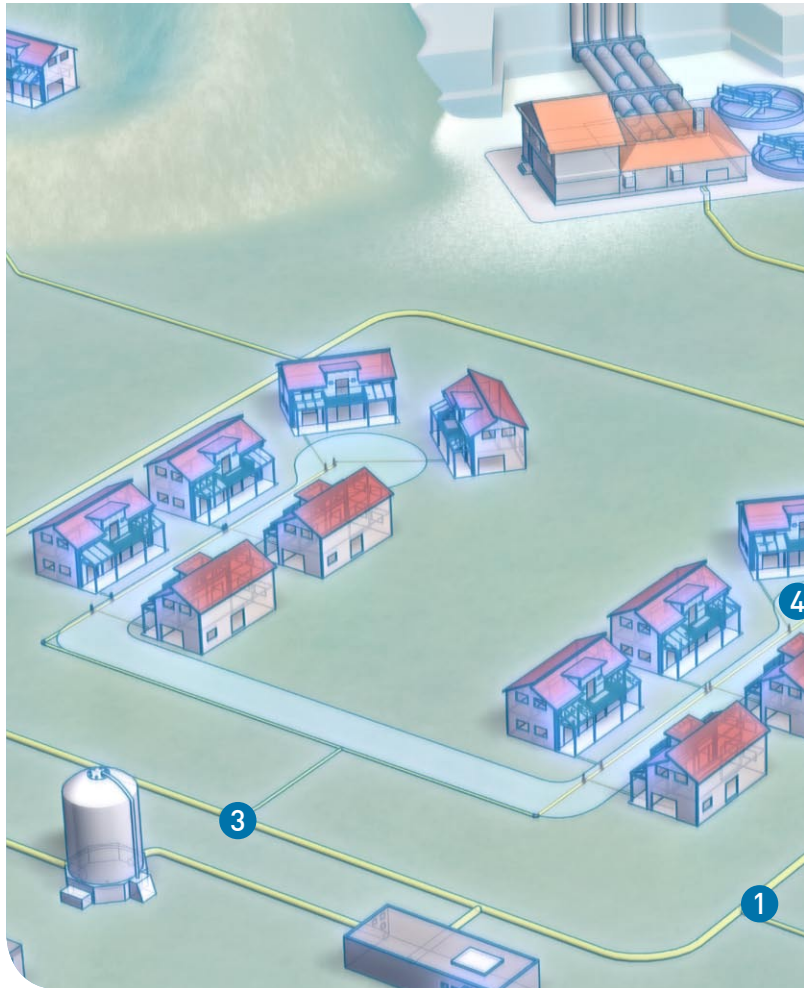
House Connections &



Having appropriate maintenance, extension and repair solutions is essential for the operation of the gas distribution grids to avoid calamities and ensuring an uninterrupted safe supply to customers.

Historically gas networks are designed to cater for wet town gas where nowadays LNG, seem gas and biogas is used or mixed, this change in gas has strained the older metal networks. Large replacement programs are in place to renovate the older metal sections of the networks. Solutions like hot tapping in running networks is a delicate procedure. But cost saving as much as continuous supply to gas users must be guaranteed.

For the full spectrum of maintaining, extending and repairing the gas distribution grid of GF Piping Systems offers a full comprehensive high quality package inclusive of the Multi/Joint repair concept, fittings, couplers, saddles as well as mechanical transition joints.

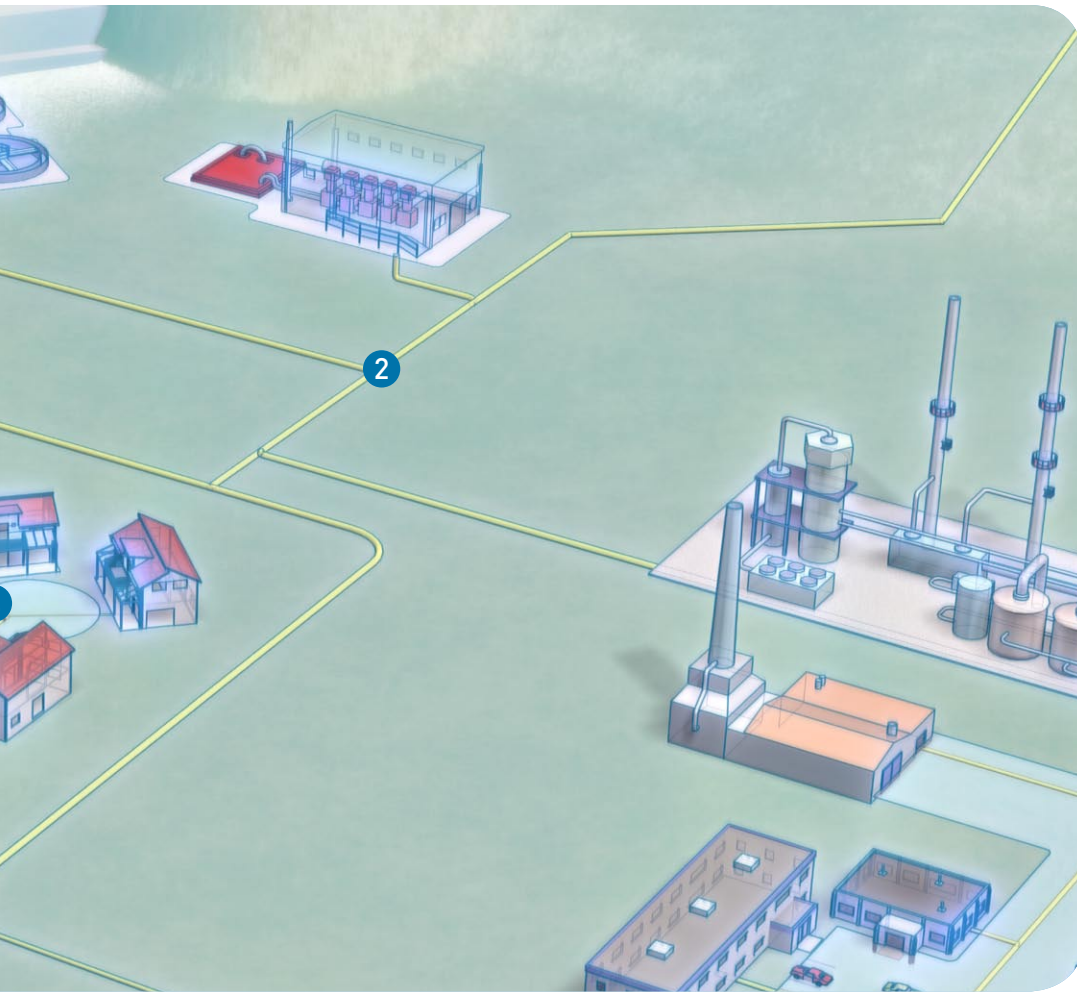


Quick gas shut-off using studded Multi/Clamp with insertable balloon.



Solutions from one supplier for all kinds of pipe materials. For repairs, renovations and making by-pass connections.

Maintenance and Repair



Maintenance and Repair



Maintenance and Repair



Simple installation technology: PE branch off with the Draw Lock flange connection



Quick restraint transition from PE100 to existing steel service lines are made with Primofit.



WAL/V leak clamps: WAL/V Single enables under pressure repair of leaking bell joint connections. WAL/V Double is the solution for leaking double socket connections. Both offering a range from DN80 - DN1200, for repair on all kinds of pipe materials.

Squeeze-off tool, Type S1: This mechanical device is used to squeeze off PE pipes during repair and extension work. In order to prevent the pipe becoming over stressed, the pipe tool is equipped with adjustable end stops for SDR 11 (ISO S5).

Economic alternative to conventional pipe jointing techniques. Quick and easy installation of the steel repair couplings. Ready for immediate use and only limited space is needed. Non-corrosive, low maintenance, multi-purpose applications.

Quick, easy and permanent repair of corroded or damaged gas pipes using stainless steel repair clamps, tapping tees and saddles.

- Under pressure repair is made without interrupting the medium flow in the piping. This type of repair is normally used for porous, cracked pipes with pitting corrosion over longer sections of the network.
- Pressure less repair requires the flow of gas to be stopped completely in order to exchange larger sections of broken or corroded piping.



Maintenance and Repair



Cost saving and easy hot tapping: Using the W400 series tapping tool in proven combination with either saddles with shut-off device or branch saddle PE Ball Valve combination.



Primofit – compression fittings for quick assembly without special tools. For joining steel – steel, steel – PE, PE – PE or others. Minimum pipe preparation needed.



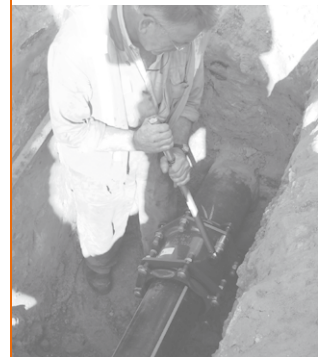
Plast/Join – the dedicated mechanical coupling. Range from d63 – d315. For easy installation of plastic pipes. Designed with one-bolt system.



Transition and full repair in a universal way: Using the Multi/Join 3000 system as only repair and transition will drive down network maintenance costs.



Simple repair & relining steel pipe in a proven way: From mains to meter with PE 100 using Draw Lock, Serviflex, adaptors and service tees as a full system.



Maintenance and Repair

Maintenance and Repair

+GF+



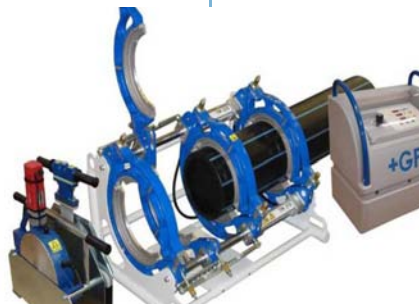
For the most suitable piping system, the best jointing technology is needed to install reliable and high quality piping systems. GF Piping Systems has developed it for you.

Surroundings

- Underground consistency
- Trench size
- Temperature
- Site conditions

Interface requirements

- Connection to pumps and housing
- Integration in existing pipelines
- Staff training

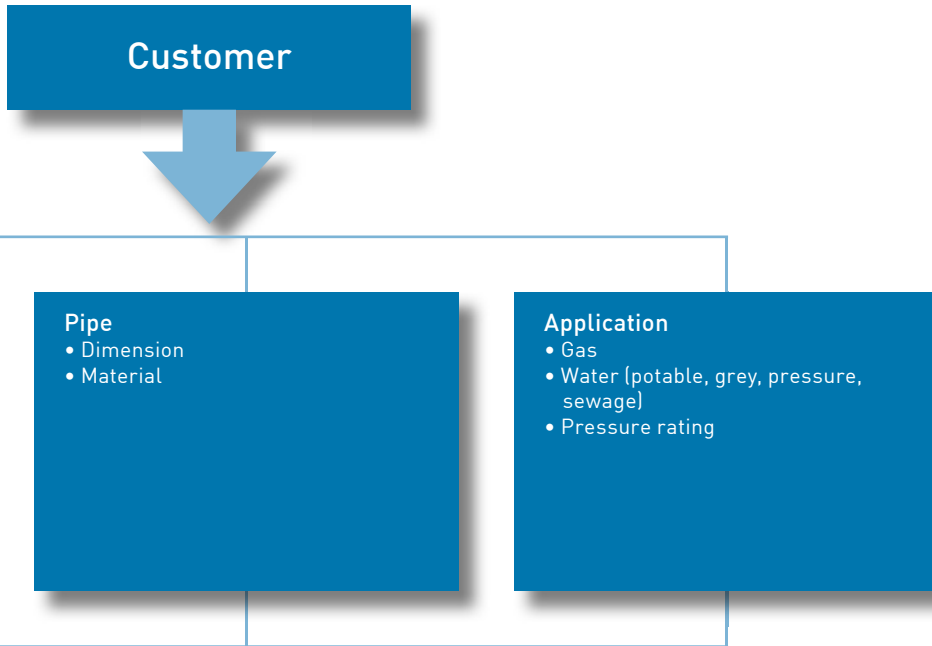


Butt fusion



Electrofusion

Preferred Jointing Technology



Our *plus* for your applications



Mechanical connection



Compression jointing



Jointing
Technology

Jointing Technology



Products & Systems

Your competent partner to build, monitor and operate your network.

- Always the right solution for gas utilities
- Premium quality and performance
- Increased security throughout the system
- Technological expertise
- «One-stop shopping» around the world
- System solutions
- Know-how and experience
- Local support



PE Welded Solutions

ELGEF Plus & Spigot fittings



Welded Solutions

Electrofusion & Butt Fusion

Units & Tools

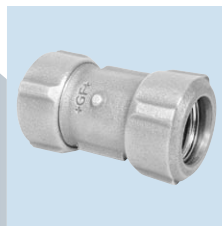


Your Global System Provider



Mechanical
Solutions

Mechanical Solutions with Metal



- PRIMOFIT
- Compression fittings
- Mechanical gas fittings

Maintenance
& Repair



Mechanical Solutions with Metal

- MULTI/JOINT
- Plast/Joint
- Multi/Saddle Plus
- Multi/Clamp

Products



Products



ELGEF Plus

Reliable non-corrosive connections.

Whether for water, gas or other pressurised piping systems, above or below ground, ELGEF Plus is the ideal solution.

Modularity is the strength of ELGEF Plus. Each individual fitting and saddle is made to match and when put together form reliable leakproof connections.

The outstanding customising possibilities of ELGEF Plus, together with its flexibility, produce convincing and decisive customer benefits. Numerous and original solutions can be created by using just a few products.

Another hallmark of the ELGEF Plus modular concept is its limited stock requirement. As only a small number of fittings and saddles will complete a system, warehousing costs are greatly reduced.



Couplers

d20 – 400 SDR11
d160 – 630 SDR17



Electrofusion Fittings

d20 – 250 SDR11



Electrofusion Transition Fittings

d20 – 63, 1/2" – 2"



Saddles

d32 – 630



Spigot Fittings

d20 – 630 SDR11
d90 – 630 SDR17



Flanges

PP-V d20 – d400
PP-St d20 – d630
St d32 – d630
Gasket d20 – d630



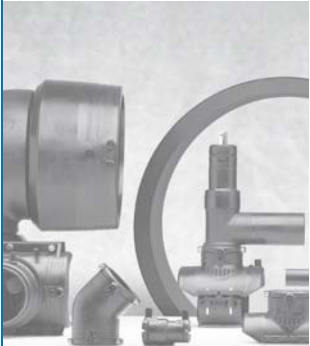
Fittings and Valves



PE Welded Solutions



Products



Products



TM - Butt Fusion

MSA - Electrofusion

High added value.

For more than 40 years GF Piping Systems has been developing and manufacturing butt fusion machines and tooling for the installation of plastic piping systems. This long experience is reflected in the modern design of the products, which are also suitable for use under harsh site conditions and ensure high quality jointing.

Application-oriented solutions for gas and water distribution projects are on offer. The wide product range includes hydraulically operated machines providing the possibility to connect joint recording equipment as well as fully automatic CNC-controlled butt fusion machines. This equipment is highly valued not just on the construction site, but also in the workshop where it is used to prefabricate entire pipeline sections and customised segmented fittings.



Site Machines



Workshop Machines



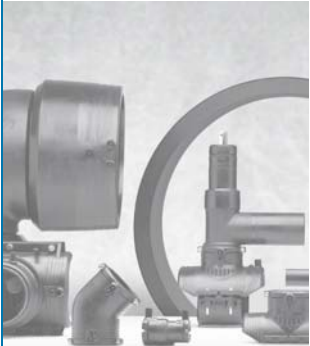
Tools



Machines and Tools



Products



Products



PRIMOFIT

Joining PE and steel pipe without threading.

PRIMOFIT from GF Piping Systems comprises a complete range of metal compression fittings for connecting pipes made of PE, steel, lead and other materials.

This versatile product is available in pipe sizes from 3/8" to 3" or from 20 mm to 63 mm, offering full pull-out resistance and angular deflection.

By using different sealing materials (NBR, FPM, EPDM), Primofit provides solutions for a variety of applications ranging from water, gas, oil, to heating, fuel and compressed air piping systems.

Primofit is an easy and time-saving solution for repair situations, new installations as well as for network extensions.



Couplings
black or galvanised



Female/Male Adaptor and Elbows
black or galvanised



Tees and Caps
black or galvanised



Spare Kites
for reuse of PRIMOFIT and easy change of application field



Meter Box Adaptors
for connecting PE service lines to meter boxes



Service Insertion Adaptor and Serviflex System
for relining/repair steel pipe service lines



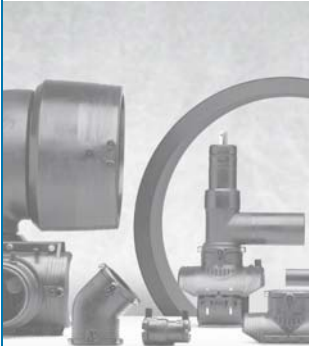
Service Top Tees
for connection from mains (steel or cast iron pipes) to PE service lines



Mechanical Solutions



Products



Products



MULTI/JOINT Plast/Joint Multi/Saddle Plus Multi/Clamp

Competent customer service.

GF Piping Systems is the connection technology specialist, supplying a complete range of products which have been used in the water and gas market for many decades. No matter how complicated your connection problem seems, we can provide solutions when it comes to connecting, repairing and tapping of all kinds of pipe materials.

We have what you need wherever you are.

We offer tailor-made solutions, a wide range of couplings, competent and worldwide customer support, fast delivery with local availability, complete packages as well as know-how and know-why for all applications.

We provide safe and reliable connections between different pipe materials and pipe dimensions even when operating under the most demanding conditions.



MULTI/JOINT 3000
wide-range couplings
restraint – non-restraint
DN50 – DN200



MULTI/JOINT 3000 Plus



MULTI/JOINT XL
wide-range couplings
non-restraint
DN300 – DN600



FGR
stainless steel couplings
restraint – non-restraint
DN25 – DN2000



Plast/Joint
mechanical connection for
plastic pipes
restraint – non-restraint
d63 – d315



Draw Lock
solution to connect metal to PE
DN50 – DN300



Multi/Clamp
stainless steel repair clamps
tapping tees and saddles



Multi/Saddle Plus
wide range of tapping saddles
with or without shut-off mechanism
DN60 – DN300

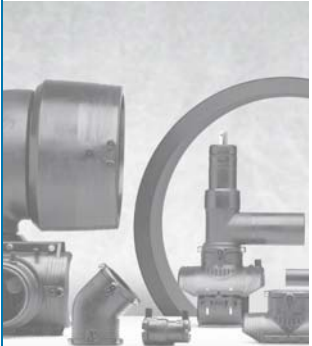
Others
W400 drilling device
WAL/V leak clamp
GRP street covers



Maintenance and Repair



Products



Products



ISO Certified Management Systems

According to the quality management system ISO 9001 and environmental certification ISO 14001, the high quality of our products is guaranteed. Our QM-System is developed on a continuous basis to achieve more customer satisfaction. Improved performance while taking environmental issues into consideration has become a fixed part of our philosophy.



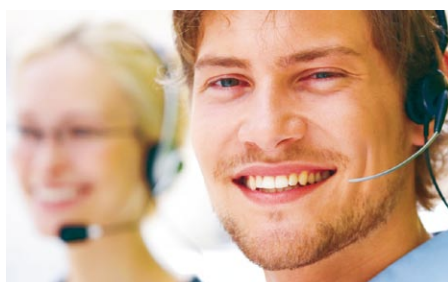
Accredited Test Centre

Our testing laboratory is certified according to SN EN ISO 9001 and SN EN ISO 14001. The accreditation confirms our competence in testing components for piping systems as well as pipes, pipe connections, fittings, manual- and automatic-valves and flow meters. Accredited certification is also important when exchanging test reports as only such reports are accepted by approval board worldwide and increasingly by customers.



Documentation/Online Catalogue

Find fundamentals about plastic piping systems as well as working information in printed form or on the internet. Our website also provides information about CAD-library, calculation tool, planning fundamentals and approvals as well as inspection certificates. All that is required to get a specific certificate is the product code and batch number.



Technical Support

For technical support or information about application please contact our specialists of our sales companies and representatives mentioned on the last page or visit our website: www.piping.georgfischer.com

Pipe Connection Technology since 1802

50 Years of Know-how in Plastics

Training

GF Piping Systems guarantees the safe and faultless installation of its products by means of these carefully targeted customer-training courses, offered in numerous countries around the world. As a result, customers and dealers are able to rely on well-trained GF Piping Systems employees, who have both knowledge of the products and application know-how. Our training centre in Schaffhausen offers the perfect opportunity for both staff and customers to receive in-depth knowledge on applications and markets for our systems.



PE – Always the best choice

Nowadays, PE plays an important role in Water Utilities. Georg Fischer continues to innovate and bring new network components into the PE system which traditionally were constructed in corrosion-sensitive material. Water-proof, stable, weather-resistant, light-weight and easy-to-handle materials are required. PE offers the following advantages:



- Light-weight
- Outstanding flexibility
- Good abrasion resistance
- Corrosion resistance
- High impact resistance at low temperatures
- Good mechanical resistance
- Safe and easy jointing by welding
- Excellent cost-performance ratio
- A long, proven track record in water application










Information



Information

Product Literature










Product		Languages available	Transport Lines	Distribution Lines	House Connections	Maintenance & Repair	Hydrants	Butt Fusion	Electrofusion	Mechanical	Repair	Tapping	Water	Gas
1	POLY16 Plus Compression Fittings (Foldable Leaflet) Code: COLL116-ENG-07/06	E		X	X	X	X			X	X		X	
2	Mechanical Tapping Saddle (Flyer) Code: FL110-ENG-03/06	E		X	X	X				X	X	X	X	
3	POLY16 Plus - Plastic Stop Cocks (Flyer) Code: FL118-ENG-09/06							X	X	X	X	X	X	
4	POLY16 Plus - Universal Fittings (Flyer) Code: FL115-ENG-09/06	E		X	X	X	X			X	X		X	
5	POLY16 Plus & POLYFAST AZ Compression Fitting/ Clamp Saddles (Brochure) Code: Fi5764/4	D/E/F		X	X	X	X			X	X	X	X	
6	Compression Fittings/ Blue Clamp Saddle (Flyer) Code: FL111-ENG	E		X	X	X				X	X	X	X	
7	MULTI/JOINT Products Code: WA 2089p/0606/EN	E/RUS	X	X		X				X	X		X	X
8	ST-System Code: WA 2084/0506/GB	E	X	X		X	X			X	X		X	X
9	Draw Lock System Code: WA 2072s/0605/GB	D/E/F/NL		X		X	X			X	X		X	X

Product		Languages available	Transport Lines	Distribution Lines	House Connections	Maintenance & Repair	Hydrants	Butt Fusion	Electrofusion	Mechanical	Repair	Tapping	Water	Gas
10	Draw Lock System Products Code: WA 2072/0605/ GB 2020722072p/0606/ EN		D/E		X		X			X	X		X	X
11	Drilling Device W400 Code: WA 2046/0705/ GB		E			X	X			X	X	X	X	X
12	Stainless Steel Pipe Couplings Code: WA 2515/1206/ GB		D/E	X	X	X	X			X	X	X	X	
13	Multi/Saddles Plus Code: WA 2071s/0906/ GB		E			X	X			X	X	X		
14	WAL/V Code: WA 2063/0806/ GB		E	X	X		X			X	X		X	X
15	Plast/Joint Code: WA 2078/0906/ GB		E	X	X	X	X			X	X		X	X
16	GRP Street Covers Code: WA 2079/0806/ GB		E		X	X		X		X			X	
17	Inserts Code: WA 2073/0900/ GB		E	X	X		X			X	X		X	
18	TM 160												X	X

Information



Product		Languages available	Transport Lines	Distribution Lines	House Connections	Maintenance & Repair	Hydrants	Butt Fusion	Electrofusion	Mechanical	Repair	Tapping	Water	Gas
19	TM 250			X			X	X			X		X	X
20	TM 315			X			X	X			X		X	X
21	GF 400		X	X				X			X		X	X
22	GF 500		X	X				X			X		X	X
23	GF 630		X	X				X			X		X	X
24	KL 160			X	X		X	X				X	X	X
25	KL 250			X				X				X	X	X
26	KL 315			X				X				X	X	X
27	KL 500		X	X				X			X		X	X

Product		Languages available	Transport Lines	Distribution Lines	House Connections	Maintenance & Repair	Hydrants	Butt Fusion	Electrofusion	Mechanical	Repair	Tapping	Water	Gas
28	KL 630		X					X			X		X	X
29	GF 800		X					X			X		X	X
30	GF 1000		X					X			X		X	X
31	GF 1200		X					X			X		X	X
32	WR 100		X	X	X	X	X	X			X		X	X
33	WM 315		X	X			X	X			X		X	X
34	WM 500 Plus		X	X				X			X		X	X
35	WM 630 Plus		X	X				X			X		X	X
36	MSA 210		X	X	X	X	X	X	X				X	

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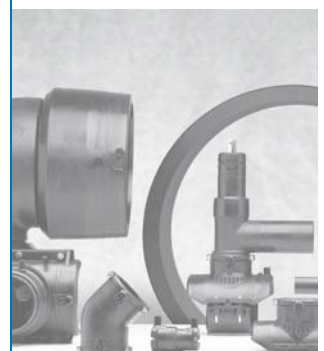


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Product		Languages available	Transport Lines	Distribution Lines	House Connections	Maintenance & Repair	Hydrants	Butt Fusion	Electrofusion	Mechanical	Repair	Tapping	Water	Gas
37	MSA Electrofusion Units Code: GMST 5904/4 (11.05)	D/E	X	X	X	X	X		X				X	X
38	PRIMOFIT – the real name in pipe couplings	D/E			X	X	X			X	X		X	X
39	The New PE Hydrant Code: GMST 5977/4 (09.06)	D/E					X						X	
40	ELGEF Plus Branch Fitting Code: Fi 5542/4e (3.04)	D/E		X	X				X			X	X	X
41	ELGEF Plus Pressure Tapping Valve Code: GMST 6169 (8.09)	D/E			X				X			X	X	X
42	Hydrant Connections Code: GMST 5811/4 (08.06)	D/E			X		X		X				X	
43	ELGEF Plus Electrofusion System Code: GMST 5949/4 (9.06)	D/E	X	X	X		X		X				X	X
44	Datasheet POM Service Valve male thread Code: GMST 5984/4 (09.06)	D/E					X						X	X
45	Flyer POM Service Valve male thread Code: GMST 5992/4 (09.06)	D/E			X								X	X

Product		Languages available	Transport Lines	Distribution Lines	House Connections	Maintenance & Repair	Hydrants	Butt Fusion	Electrofusion	Mechanical	Repair	Tapping	Water	Gas
46	Datasheet POM Service Valve PE Spigot Ends Code: GMST 5982/4		D/E			X							X	X
47	Flyer POM Service Valve PE Spigot Ends Code: GMST 5991/4		D/E			X							X	X
48	The New Plastic Gate Valve for House Service Connections Code: GMST 5996/4 (9.06)		D/E			X							X	X
49	Market Segment Brochure Water & Gas Code: Fi 5775/4a (6.05)		D/E											
50	Water Treatment Code: GMST 5908/1		D										X	
51	Building Services Code: GMST 6007/4 Available in 2008		E										X	X
52	Ship Building Offshore Code: GMST 6006/4		E											
53	Application Brochure Water Utilities Code: GMST 6055/4		D/E										X	

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