

The comprehensive iJOINT system is ideal for new installations as well as renovations or extensions of existing water lines

iJOINT is designed for use in house connections and service lines. This wide-ranging system lends itself to new installations as well as to renovation or extension work on existing water lines. iJOINT can be used for diverse applications and its design benefits a vast number of industries. In addition, iJOINT is the perfect solution for bypass systems, where temporarily laid lines need to be disassembled in a quick and easy way.

+ Applications



Water Distribution Lines

House Connections

High-end Irrigation



1

- Water Distribution Lines
- House Connections and Service Lines
- Pressure Sewage

2

- Industrial Applications
- Mining Industry

3

- Leisure Parks
- Golf Courses
- Camping Grounds

4

- Farming
- Greenhouses
- High-end Irrigation

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Our sales companies and representatives ensure local customer support in over 100 countries.

www.gfps.com

**Argentina / Southern South America**  
Georg Fischer Central Plastics  
Sudamérica S.R.L.  
Buenos Aires, Argentina  
Phone +54 11 4512 02 90  
gcentral.ps.ar@georgfischer.com  
www.gfps.com/ar

**Australia**  
Georg Fischer Pty Ltd  
Riverwood NSW 2210 Australia  
Phone +61 (0) 2 9502 8000  
australia.ps@georgfischer.com  
www.gfps.com/au

**Austria**  
Georg Fischer Rohrleitungssysteme GmbH  
3130 Herzogenburg  
Phone +43 (0) 2782 856 43-0  
austria.ps@georgfischer.com  
www.gfps.com/at

Georg Fischer Fittings GmbH  
3140 Traisen  
Phone +43 (0) 2742 90300  
fittings.ps@georgfischer.com  
www.fittings.at

**Belgium / Luxembourg**  
Georg Fischer NV/SA  
1070 Bruxelles/Brüssel  
Phone +32 (0) 2 556 40 20  
be.ps@georgfischer.com  
www.gfps.com/be

**Brazil**  
Georg Fischer Sist. de Tub. Ltda.  
04795-100 São Paulo  
Phone +55 (0) 11 5525 1311  
br.ps@georgfischer.com  
www.gfps.com/br

**Canada**  
Georg Fischer Piping Systems Ltd  
Mississauga, ON L5T 2B2  
Phone +1 (905) 670 8005  
Fax +1 (905) 670 8513  
ca.ps@georgfischer.com  
www.gfps.com/ca

**China**  
Georg Fischer Piping Systems Ltd  
Shanghai 201319  
Phone +86 21 3899 3899  
china.ps@georgfischer.com  
www.gfps.com/cn

Chinaust Plastics Corp. Ltd.  
Songlindian, Zhuozhou city,  
Hebei province, China, 072761  
Phone +86 312 395 2000  
Fax +86 312 365 2222  
chinaust@chinaust.com  
www.chinaust.com.cn

**Denmark / Iceland**  
Georg Fischer A/S  
2630 Taastrup  
Phone +45 (0) 70 22 19 75  
info.dk.ps@georgfischer.com  
www.gfps.com/dk

**Finland**  
Georg Fischer AB  
01510 VANTAA  
Phone +358 (0) 9 586 58 25  
Fax +358 (0) 9 586 58 29  
info.fi.ps@georgfischer.com  
www.gfps.com/fi

**France**  
Georg Fischer SAS  
95932 Roissy Charles de Gaulle Cedex  
Phone +33 (0) 1 41 84 68 84  
fr.ps@georgfischer.com  
www.gfps.com/fr

**Germany**  
Georg Fischer GmbH  
73095 Albershausen  
Phone +49 (0) 7161 302-0  
info.de.ps@georgfischer.com  
www.gfps.com/de

**India**  
Georg Fischer Piping Systems Ltd  
400 076 Mumbai  
Phone +91 224007 2001  
branchoffice@georgfischer.com  
www.gfps.com/in

**Italy**  
Georg Fischer S.p.A.  
20063 Cernusco S/N (MI)  
Phone +39 02 921 861  
it.ps@georgfischer.com  
www.gfps.com/it

**Georg Fischer TPA S.r.l.**  
IT-16012 Busalla (GE)  
Phone +39 010 962 47 11  
tpa.ps@georgfischer.com  
www.gfps.com/it

**Japan**  
Georg Fischer Ltd  
556-0011 Osaka,  
Phone +81 (0) 6 6635 2691  
jp.ps@georgfischer.com  
www.gfps.com/jp

**Korea**  
Georg Fischer Piping Systems  
271-3 Seohyeon-dong Bundang-gu  
Seongnam-si, Gyeonggi-do  
Seoul 463-824  
Phone +82 31 8017 1450  
Fax +82 31 8017 1454  
kor.ps@georgfischer.com  
www.gfps.com/kr

**Malaysia**  
Georg Fischer (M) Sdn. Bhd.  
40460 Shah Alam, Selangor Darul Ehsan  
Phone +60 (0) 3 5122 5585  
my.ps@georgfischer.com  
www.gfps.com/my

**Mexico / Northern Latin America**  
Georg Fischer S.A. de C.V.  
Apodaca, Nuevo Leon  
CP66636 Mexico  
Phone +52 (81) 1340 8586  
Fax +52 (81) 1522 8906  
mx.ps@georgfischer.com  
www.gfps.com/mx

**Middle East**  
Georg Fischer  
Piping Systems (Switzerland) Ltd  
Dubai, United Arab Emirates  
Phone +971 4 289 49 60  
gss.ps@georgfischer.com  
www.gfps.com/int

**Netherlands**  
Georg Fischer N.V.  
8161 PA Epe  
Phone +31 (0) 578 678 222  
nl.ps@georgfischer.com  
www.gfps.com/nl

**Georg Fischer Waga N.V.**  
NL-8160 AG Epe  
Phone +31 (0) 578 678 378  
waga.ps@georgfischer.com  
www.waga.nl

**New Zealand**  
Georg Fischer Ltd  
13 Jupiter Grove, Upper Hutt 5018  
PO Box 40399, Upper Hutt 5140  
Phone +64 (0) 4 527 9813  
nz.ps@georgfischer.com  
www.gfps.com/nz

**Norway**  
Georg Fischer AS  
1351 Rud  
Phone +47 67 18 29 00  
no.ps@georgfischer.com  
www.gfps.com/no

**Poland**  
Georg Fischer Sp. z o.o.  
05-090 Sekocin Nowy  
Phone +48 (0) 22 31 31 0 50  
poland.ps@georgfischer.com  
www.gfps.com/pl

**Romania**  
Georg Fischer  
Piping Systems (Switzerland) Ltd  
020257 Bucharest - Sector 2  
Phone +40 (0) 21 230 53 80  
ro.ps@georgfischer.com  
www.gfps.com/int

**Russia**  
Georg Fischer  
Piping Systems (Switzerland) Ltd  
Moscow 125047  
Phone +7 495 258 60 80  
ru.ps@georgfischer.com  
www.gfps.com/ru

**Singapore**  
Georg Fischer Pte Ltd  
11 Tampines Street 92, #04-01/07  
528 872 Singapore  
Phone +65 6747 0611  
sg.ps@georgfischer.com  
www.gfps.com/sg

**Spain / Portugal**  
Georg Fischer S.A.  
28046 Madrid  
Phone +34 (0) 91 781 98 90  
es.ps@georgfischer.com  
www.gfps.com/es

**Sweden**  
Georg Fischer AB  
117 43 Stockholm  
Phone +46 (0) 8 506 775 00  
info.se.ps@georgfischer.com  
www.gfps.com/se

**Switzerland**  
Georg Fischer  
Rohrleitungssysteme (Schweiz) AG  
8201 Schaffhausen  
Phone +41 (0) 52 631 30 26  
ch.ps@georgfischer.com  
www.georgfischer.com

**Taiwan**  
Georg Fischer Co., Ltd  
San Chung Dist., New Taipei City  
Phone +886 2 8512 2822  
Fax +886 2 8512 2823  
www.gfps.com/tw

**United Kingdom / Ireland**  
Georg Fischer Sales Limited  
Coventry, CV2 2ST  
Phone +44 (0) 2476 535 535  
uk.ps@georgfischer.com  
www.gfps.com/uk

**USA / Caribbean**  
Georg Fischer LLC  
Tustin, CA 92780-7258  
Phone +1 (714) 731 88 00  
Toll Free 800/854 40 90  
us.ps@georgfischer.com  
www.gfipping.com

Georg Fischer Central Plastics LLC  
Shawnee, OK 74801  
Phone +1 (405) 273 63 02  
gcentral.ps@georgfischer.com  
www.centralplastics.com

**Vietnam**  
Georg Fischer Pte Ltd  
136E Tran Vu, Ba Dinh District, Hanoi  
Phone +84 4 3715 3290  
Fax +84 4 3715 3285

**International**  
Georg Fischer  
Piping Systems (Switzerland) Ltd  
8201 Schaffhausen/Switzerland  
Phone +41 (0) 52 631 30 03  
Fax +41 (0) 52 631 28 93  
info.export@georgfischer.com  
www.gfps.com/int

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GF Piping Systems

iJOINT – compression fittings

The smarter fitting



# The iJOINT focuses on safety and ergonomic handling – real benefits for our customers

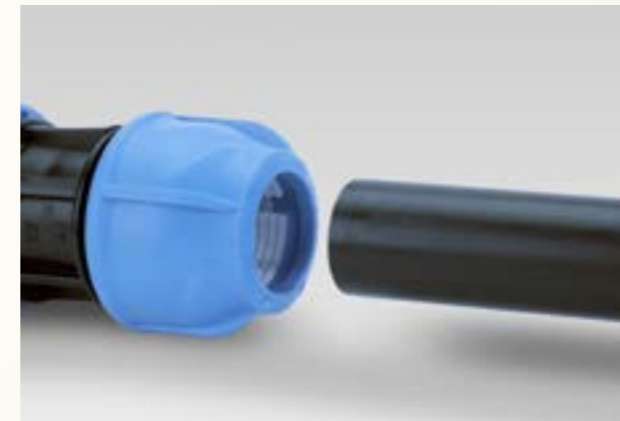
The new line of compression fittings from GF Piping Systems has been specially developed for use in water systems, assuring a quicker and easier installation compared to a traditional compression fitting. The lip sealing system makes this product both unique and long-lasting. Superb quality and innovative features predestine iJOINT for the drinking water market worldwide. iJOINT comprises all the benefits of plastics: no rust and no incrustation, lightweight construction, no leakage, excellent pressure resistance – just to name a few. To sum it up: iJOINT provides an excellent cost-benefit ratio with a life cycle of at least 50 years.

## + Features



# iJOINT – the next generation of polypropylene compression fittings

## + Benefits



iJOINT is the result of GF Piping Systems' unrelenting commitment to continuous improvement and a culture based on innovation and ingenuity. The innovative design provides essential benefits like fast, forgiving and effort-free installation methods in challenging trench and weather situations, ensuring maximum lifetime and high flow capacity for top performance in water applications. The iJOINT range contains straight and reducing joiners, tees, elbows, threaded connectors, end caps and metal transition adaptors ranging from d20 to d110 mm.

### Fast and easy installation

iJOINT comes ready for installation, no disassembling of the fitting is required. Easy pipe insertion even for bigger dimensions due to the fact, that there is no contact between the clamp ring and the pipe during insertion. No special tools or equipment are required for the installation.

### Lip gasket

The special lubricated NBR lip gasket allows a smooth pipe insertion even without pre-lubrication of the pipe. The special lip profile provides outstanding hydraulic performance even in case of ovalized, scratched or undersized pipes.

### Safe design and long life time

The special design in combination with the use of top quality raw materials enables high pressure and pull-out resistance throughout the complete range, also in case of water hammer. The end-stop for the nut works as a very helpful indicator of the proper nut closing position. An anti-rotation stop prevents the nut from working itself loose. All components are fixed in the body so that they cannot be lost even in the unlucky event of disassembly.

# Conformity to all important standards and availability in a wide range of diameters makes iJOINT your first choice

iJOINT compression fittings are suitable for use with all types of polyethylene pipes PE 80, PE 100, PEX and PVC-U with special transition kit. The fitting is ready to be installed out of the box without any preparation. The pipe can be inserted directly without loosening the nut or disassembling the fitting. There is a 16 bar resistance throughout the complete range of iJOINT fittings, with approvals according to the most stringent regulations worldwide. The special lip gasket grants a perfect performance even with ovalised, scratched and undersized pipes.

## + Technical specifications

<p><b>From ø 20 to 63</b></p>	<p><b>Pressure range</b></p>	<p>MOP of 16 bar for the complete range of iJOINT fittings from d20 to d110 mm (complete range DVGW approved PN16)</p>	<p><b>From ø 75 to 110</b></p>
	<p><b>Temperature range</b></p>	<p>-10 °C to +45 °C</p>	
<p><b>Materials</b></p>	<p><b>Body and thrust ring</b></p>	<p>UV stabilized polypropylene impact Copolymer with high long term aging stability complying with ISO 9080.</p>	
	<p><b>Nut</b></p>	<p>UV stabilized blue polypropylene Impact Copolymer</p>	
	<p><b>Clamp ring</b></p>	<p>Polyacetal (POM)</p>	
	<p><b>Lubricated lip gasket</b></p>	<p>Food-safe NBR rubber suitable for potable water.</p>	
<p><b>Regulation for drinking water</b></p>	<p><b>Reinforcement ring (for female thread)</b></p>	<p>Stainless steel AISI 430</p>	
	<p>iJOINT compression fittings comply with the strictest worldwide regulations, e.g.:</p>	<ul style="list-style-type: none"> <li>- W270 and KTW (Germany)</li> <li>- ATA (Netherlands)</li> <li>- DM 174-06/04/2004 (Italy)</li> <li>- Global Mark (Australia)</li> <li>- ACS (France)</li> </ul>	
<p><b>Approvals</b></p>	<p>- DVGW (Germany)</p> <p>- IIP (Italy)</p> <p>- SVGW (Switzerland)</p> <p>- KIWA (Netherlands)</p> <p>- ACS (France)</p> <p>- Global Mark (Australia)</p>		
	<p><b>Standards</b></p>	<p><b>For PE pipes:</b> DIN EN 12201; ISO 11922-1; DIN 8074; EN 12201-1/2; AS/NZS 4130; BS 6572; BS 6730; ISO 4427; UNI 7990; ISO 12162</p> <p><b>Threads</b> DIN EN 10226 (ISO 7-1); BS 21; AS 1722.1</p> <p><b>Flanges</b> DIN EN1092-1; DIN 2501.1</p>	
<p><b>Test standards</b></p>	<p>ISO 14236; DIN 8076-3; AS/NZS 4129; BRL K534/03 -UNI; ISO 3501; ISO 3503; ISO 3458; ISO 3459; VP609</p>		