

iJOINT –

Compression fittings



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

From ø 20 to 63		From ø 75 to 110	
	Pressure range MOP of 16 bar for the complete range of iJOINT fittings from d20 to d110 mm (complete range DVGW approved PN16)		
	Temperature range -10 °C to +45 °C		Materials Body and thrust ring UV stabilized polypropylene impact Copolymer with high long term aging stability complying with ISO 9080. Nut UV stabilized blue polypropylene Impact Copolymer Clamp ring Polyacetal (POM) Lubricated lip gasket Food-safe NBR rubber suitable for potable water. Reinforcement ring (for female thread) Stainless steel AISI 430
	Regulation for drinking water iJOINT compression fittings comply with the strictest worldwide regulations, e.g.: – W270 and KTW (Germany) – ATA (Netherlands) – DM 174-06/04/2004 (Italy) – Global Mark (Australia) – ACS (France)		
	Approvals – DVGW (Germany) – IIP (Italy) – SVGW (Switzerland) – KIWA (Netherlands) – ACS (France) – Global Mark (Australia)		
	Standards For PE pipes: 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 Threads DIN EN 10226 (ISO 7-1); BS 21; AS 1722.1 Flanges DIN EN1092-1; DIN 2501.1		
	Test standards ISO 14236; DIN 8076-3; AS/NZS 4129; BRL K534/03 –UNI; ISO 3501; ISO 3503; ISO 3458; ISO 3459; VP609		

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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