

Compression couplings iJOINT

Georg Fischer



The iJOINT Series of compression couplings (successor to the Poly-16 Series) consists of high-quality compression couplings for 20 - 110 mm PE pipes (ZPE, LDPE, PE63, PE80, PE100), with KIWA certification, suitable for 16 bar.

The couplings can be fitted without the nut having to be removed. With this compression coupling the focus is on reliability and ergonomic use. The patented NBR seals greased during production ensure smooth and easy installation.

APPLICATION

Drinking water supplies, foodstuffs industry, civil engineering, industrial and agricultural sector

CHARACTERISTICS

- ✔ Reinforced for extra protection, extremely compact design (shorter installation length than predecessor)
- ✔ Very solid housing: absolutely leak-tight
- ✔ Better grip on the outside thanks to the ergonomic design
- ✔ Good sealing in the form of lip seal (20-63 mm) and spring seal (75-110 mm), even with slightly oval pipes
- ✔ Suitable for connection of corrugated pipes (PP heater pipes)
- ✔ The improved cutting ring ensures a better fixing of the pipe in the coupling and hence an even higher grip (in the event of water hammer)
- ✔ Nut fixing by means of fixing lugs prevents the accidental loosening of the nuts
- ✔ A special stop edge prevents the nuts being tightened too far
- ✔ Product data are given on the housing
- ✔ Extensive certification and UV-resistant

TECHNICAL DATA

Dimensions	: 20 - 110 mm
Nut colour	: light blue (RAL 5012)
Connection	: ½" - 4" BSPT and flange
Certification	: KIWA, DVGW, SGVW, IIP, ACS, WRC
Max. pressure	: 16 bar
Max. temp.	: 60 °C (with decreasing max. pressure; see table)
Material:	polypropylene (housing and nut)
	: polypropylene (thrust ring)
	: POM - acetal (clamp/cutting ring)
	: NBR (seals; lip seal and spring seal)

Maximum working pressure (bar) vs. temperature (°C)

Temperature	-10 /+20 °C	+20/+40 °C	+40/+60 °C
	(bar)	(bar)	(bar)
PN	16	10	6

INSTALLATION & MAINTENANCE

- ✔ Cut off the pipe at an angle (preferably by shearing or cutting) and clean.
- ✔ Back off the nut by 3 to 4 turns.
- ✔ Push in the pipe up to the first resistance (seal), then push in up to the stop.
- ✔ Small nuts can be tightened by hand. For larger sizes, two special wrenches from GF are required.

Note: Do not use soap-based products during assembly.