

Polypropylene Rigid Elbow (NPTF Thread)

Quickly and easily connects imperial pipe to form a 90° bend

Overview

John Guest push-fit polypropylene rigid elbow (NPTF thread) fitting connects two imperial pipes to form a 90° pipe bend. Fast and simple to install, John Guest push-fit fittings create an instant push-fit connection and leak tight seal without the need for tools, hot works or sealing agents.

The unique collet locking design firmly and securely holds the pipe in place without deforming the pipe or restricting flow. Fittings are corrosion resistant and fully demountable, improving system performance and reducing system downtime during maintenance.

Manufactured in polypropylene with EPDM O-Rings, the fitting offers greater chemical resistance than push-fit acetal and is suitable for potable water (10 bar at 20°C) and intermittent hot water applications (4 bar at 60°C), as well as water treatment and purification applications. All John Guest fittings are manufactured and assembled in the UK.



Features & Benefits

- Polypropylene material and EPDM O-Ring offers high chemical resistance
- Suitable for potable water, intermittent hot water (up to 65°C max) water treatment and purification applications (Not suitable for compressed air or vacuum applications)
- Instant push-fit connection and leak tight seal
- Connect, disconnect and reconnect in seconds without tools
- No scale build up improves performance and equipment lifespan
- Superior flow characteristics
- Compatible with LLDPE or soft metal pipe/tube

Product Code	Description	Size
PP480821W	Rigid Elbow	1/4" - 1/8"
PP480822W	Rigid Elbow	1/4" - 1/4"
PP480823W	Rigid Elbow	1/4" - 3/8"
PP481222W	Rigid Elbow	3/8" - 1/4"
PP481223W	Rigid Elbow	3/8" - 3/8"
PP481623W	Rigid Elbow	1/2" - 3/8"



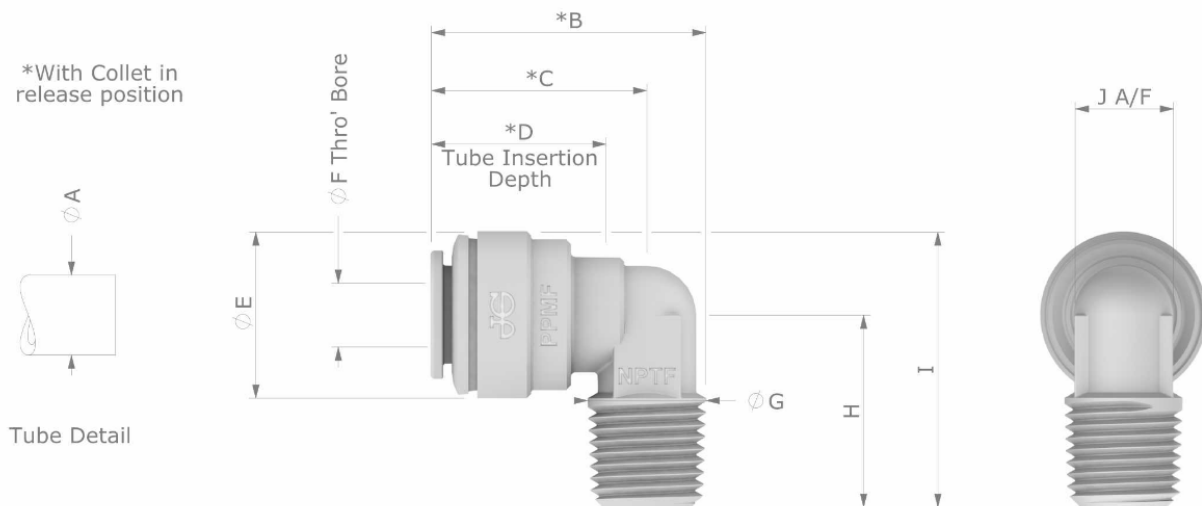
Polypropylene Straight Adaptor (NPTF Thread)

Application	Maximum working temperature °C	Maximum working pressure, bar
Potable Water	20	10
Intermittent Hot Water	60	4

Materials	
Body	Polypropylene
O-Ring	EPDM
Collet	Polypropylene
Collet Teeth	Stainless Steel 301

Application
Potable Liquid
Water Treatment & Purification
Not Suitable for Compressed Air & Vacuum

Dimensions – All measurements in mm unless otherwise stated



Product No.	Colour	Size	A	B	C	D	E	F	G	H	I	J
PP480821W	White	1/4" x 1/8 NPTF	0.250 +0.001 / -0.004 [6.35 +0.03 / -0.10]	0.97 [24.7]	0.76 [19.4]	0.62 [15.9]	0.64 [16.3]	0.21 [5.3]	0.42 [10.6]	0.70 [17.9]	1.02 [26.0]	3/8"
PP480821E	Black											
PP480822W	White	1/4" x 1/4 NPTF	0.250 +0.001 / -0.004 [6.35 +0.03 / -0.10]	1.04 [26.4]	0.76 [19.4]	0.62 [15.7]	0.65 [16.5]	0.21 [5.3]	0.55 [14.1]	0.85 [21.5]	1.17 [29.8]	3/8"
PP480822E	Black											
PP480823W	White	1/4" x 3/8 NPTF	0.250 +0.001 / -0.004 [6.35 +0.03 / -0.10]	1.11 [28.3]	0.77 [19.5]	0.62 [15.7]	0.65 [16.5]	0.21 [5.3]	0.69 [17.6]	0.93 [23.5]	1.25 [31.8]	3/8"
PP480823E	Black											
PP481222W	White	3/8" x 1/4 NPTF	0.375 +0.001 / -0.004 [9.53 +0.03 / -0.10]	1.25 [31.7]	0.97 [24.6]	0.78 [19.8]	0.78 [19.8]	0.30 [7.6]	0.55 [14.1]	0.90 [22.9]	1.29 [32.8]	15/32"
PP481222E	Black											
PP481223W	White	3/8" x 3/8 NPTF	0.375 +0.001 / -0.004 [9.53 +0.03 / -0.10]	1.32 [33.4]	0.97 [24.6]	0.78 [19.8]	0.78 [19.8]	0.30 [7.6]	0.69 [17.6]	0.93 [23.5]	1.31 [33.4]	9/16"
PP481223E	Black											
PP481623W	White	1/2" x 3/8 NPTF	0.500 +0.001 / -0.004 [12.70 +0.03 / -0.10]	1.58 [40.3]	1.24 [31.5]	0.93 [23.7]	0.98 [24.8]	0.38 [9.7]	0.69 [17.5]	1.05 [26.7]	1.54 [39.1]	9/16"

Dimensions in Inches & [mm]