

Grey Acetal Rigid Elbow (NPTF Thread)

Quickly and easily connects two unequal pipe sizes to form a 90° bend

Overview

John Guest grey push-fit acetal 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 grey push-fit acetal copolymer, the fitting is suitable for foodstuff, potable liquids and inert gases. In accordance with the British Beer & Pub Association Code of Practice, fittings can also be used with N₂/CO₂ and mixed gas dispense lines, as well as air, pneumatic and vacuum applications. All John Guest fittings are manufactured and assembled in the UK.

Features & Benefits

- Rigid and hardwearing acetal copolymer material
- Food grade material suitable for foodstuff, potable liquids, inert gases, air, pneumatic and vacuum
- 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/tubing



Product code	Description	Size
PI480821S	Reducing Elbow	1/4 - 1/8"
PI480822S	Reducing Elbow	1/4 - 1/4"
PI480823S	Reducing Elbow	1/4 - 3/8"
PI481022S	Reducing Elbow	5/16 - 1/4"
PI211208S	Reducing Elbow	5/16 - 3/8"
PI211210S	Reducing Elbow	3/8 - 1/4"
PI211610S	Reducing Elbow	3/8 - 3/8"
PI211612S	Reducing Elbow	5/8 - 1/2"



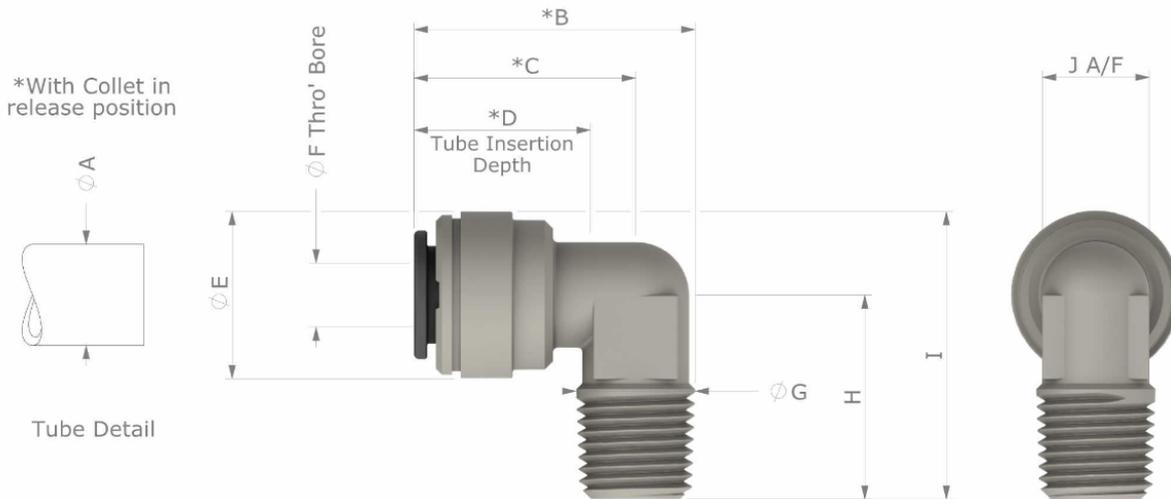
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	Maximum & Minimum Temperature	Maximum working pressure, bar
Potable Liquid	1°C -65°C	16 Bar (7 Bar @ 65°C)

Materials	
Body	Plastic
O-Ring	Nitrile, Black
Collet	Acetal Copolymer (Unfilled)
Collet Teeth	Stainless Steel 301

Application	
Potable Liquid	
Food Grade Liquids	
Inert Gases	
Vacuum	

Dimensions – All measurements in mm unless otherwise stated



Product No.	Size	A Tube O/D	B	C	D	E	F	G	H	I	J
PI480821S	1/4" x 1/8 NPTF	0.250 +0.001 / -0.004 [6.35 +0.03 / -0.10]	0.97 [24.7]	0.77 [19.5]	0.62 [15.7]	0.60 [15.2]	0.21 [5.3]	0.41 [10.5]	0.70 [17.7]	1.00 [25.3]	0.37 [9.4]
PI480822S	1/4" x 1/4 NPTF		1.04 [26.4]	0.77 [19.5]	0.62 [15.7]	0.60 [15.2]	0.21 [5.3]	0.55 [14.0]	0.86 [21.8]	1.16 [29.4]	0.37 [9.4]
PI480823S	1/4" x 3/8 NPTF	0.313 +0.001 / -0.004 [7.94 +0.03 / -0.10]	1.10 [28.0]	0.76 [19.4]	0.62 [15.7]	0.59 [15.0]	0.21 [5.3]	0.69 [17.4]	0.88 [22.4]	1.18 [29.9]	0.37 [9.4]
PI481022S	5/16" x 1/4 NPTF		1.22 [31.0]	0.95 [24.0]	0.66 [16.7]	0.70 [17.8]	0.25 [6.3]	0.55 [14.0]	0.86 [21.8]	1.21 [30.7]	0.38 [9.6]
PI481023S	5/16" x 3/8 NPTF	0.375 +0.001 / -0.004 [9.53 +0.03 / -0.10]	1.29 [32.7]	0.95 [24.0]	0.66 [16.7]	0.70 [17.8]	0.25 [6.3]	0.69 [17.4]	0.88 [22.4]	1.23 [31.3]	0.38 [9.6]
PI481222S	3/8" x 1/4 NPTF		1.26 [32.0]	0.99 [25.0]	0.78 [19.7]	0.78 [19.8]	0.30 [7.6]	0.55 [14.0]	0.95 [24.2]	1.34 [34.1]	0.49 [12.6]
PI481223S	3/8" x 3/8 NPTF	0.625 +0.001 / -0.004 [15.88 +0.03 / -0.10]	1.35 [34.3]	1.01 [25.6]	0.78 [19.7]	0.78 [19.8]	0.38 [9.6]	0.69 [17.4]	0.98 [25.0]	1.37 [34.9]	0.49 [12.6]
PI482024S	5/8" x 1/2 NPTF		2.15 [54.7]	1.72 [43.8]	1.20 [30.5]	1.10 [28.0]	0.52 [13.2]	0.85 [21.8]	1.17 [29.6]	1.72 [43.6]	0.75 [19.0]

Dimensions in Inches & [mm]