

Grey Acetal Swivel Elbow (NPTF Thread)

Connects imperial sized pipe to form a swivel type 90 degree pipe bend

Overview

John Guest grey push-fit acetal swivel elbow (NPTF thread) fitting connects metric to a NPTF thread connection to form a 90° swivel type connection. 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

- Strong acetal copolymer fitting with nitrile O-Ring
- Airtight connection with superior flow characteristics
- Instant push-fit connection and demountable without tools
- Secure collet cover prevents accidental disconnection
- Suitable for air and pneumatics piping systems up to 10 bar
- Ideal for air, inert gases and vacuum applications
- Food grade fitting suitable for potable liquids
- Compatible with soft metal or plastic pipe/tubing

| Product code | Description | Size | Bag QTY |
|--------------|----------------------------|--------------|---------|
| PMO90421S | Swivel Elbow (NPTF Thread) | 5/32" x 1/8" | 10 |
| PMO90422S | Swivel Elbow (NPTF Thread) | 5/32" x 1/4" | 10 |
| PIO90621S | Swivel Elbow (NPTF Thread) | 3/16" x 1/8" | 10 |
| PIO90821S | Swivel Elbow (NPTF Thread) | 1/4" x 1/8" | 10 |
| PIO90822S | Swivel Elbow (NPTF Thread) | 1/4" x 1/4" | 10 |
| PMO90821S | Swivel Elbow (NPTF Thread) | 5/16" x 1/8" | 10 |
| PMO90822S | Swivel Elbow (NPTF Thread) | 5/16" x 1/4" | 10 |
| PMO90823S | Swivel Elbow (NPTF Thread) | 5/16" x 3/8" | 10 |
| PIO91222S | Swivel Elbow (NPTF Thread) | 3/8" x 1/4" | 10 |
| PIO91223S | Swivel Elbow (NPTF Thread) | 3/8" x 3/8" | 10 |
| PIO91623S | Swivel Elbow (NPTF Thread) | 1/2" X 3/8" | 10 |
| PIO91624S | Swivel Elbow (NPTF Thread) | 1/2" X 1/2" | 10 |



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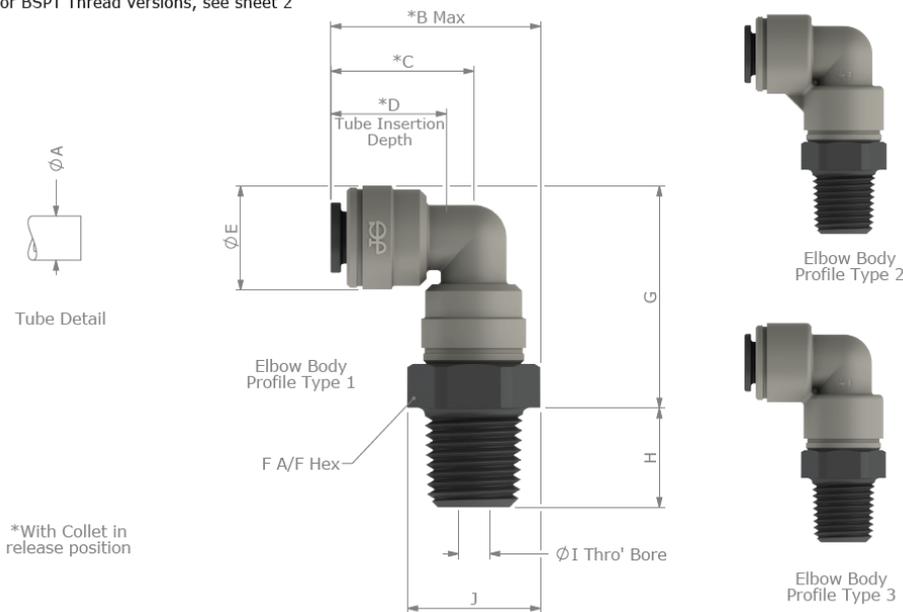
| Application | Maximum working pressure, bar |
|-------------|-------------------------------|
| Air | 16 Bar |

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

| Application |
|-------------------|
| Potable Liquid |
| Food Grade Liquid |
| Inert Gases |
| Vacuum |

Dimensions – All measurements in mm unless otherwise stated

For BSPT Thread versions, see sheet 2



| Product Number | Size | A Tube O/D | B | C | D | E | F | G | H | I | J | Elbow Body Profile Type |
|----------------|------------------|---|----------------|----------------|----------------|----------------|--------|----------------|----------------|---------------|----------------|-------------------------|
| PM090421S | 5/32" x 1/8 NPTF | 0.156 +0.001 / -0.003 [3.97 +0.03 / -0.07] | 1.00 [25.3] | 0.69 [17.6] | 0.56 [14.3] | 0.51 [13.0] | 9/16" | 1.14 [28.9] | 0.37 [9.5] | 0.10 [2.5] | 0.61 [15.4] | 3 |
| PM090422S | 5/32" x 1/4 NPTF | 0.156 +0.001 / -0.003 [3.97 +0.03 / -0.07] | 1.00 [25.3] | 0.69 [17.6] | 0.56 [14.3] | 0.51 [13.0] | 9/16" | 1.14 [28.9] | 0.56 [14.3] | 0.10 [2.5] | 0.61 [15.4] | 3 |
| PI090621S | 3/16" x 1/8 NPTF | 0.188 +0.001 / -0.003 [4.78 +0.03 / -0.07] | 1.07 [27.1] | 0.69 [17.6] | 0.56 [14.3] | 0.51 [13.0] | 11/16" | 1.14 [28.9] | 0.37 [9.5] | 0.12 [3.0] | 0.75 [19.0] | 3 |
| PI090821S | 1/4" x 1/8 NPTF | 0.250 +0.001 / -0.004 [6.35 +0.03 / -0.10] | 1.15 [29.1] | 0.77 [19.6] | 0.62 [15.7] | 0.59 [15.0] | 11/16" | 1.26 [32.0] | 0.37 [9.5] | 0.18 [4.4] | 0.75 [19.0] | 1 |
| PI090822S | 1/4" x 1/4 NPTF | 0.250 +0.001 / -0.004 [6.35 +0.03 / -0.10] | 1.15 [29.1] | 0.77 [19.6] | 0.62 [15.7] | 0.59 [15.0] | 11/16" | 1.26 [32.0] | 0.56 [14.3] | 0.18 [4.4] | 0.75 [19.0] | 1 |
| PM090821S | 5/16" x 1/8 NPTF | 0.313 +0.001 / -0.004 [7.94 +0.03 / -0.10] | 1.20 [30.5] | 0.83 [21.0] | 0.66 [16.7] | 0.70 [17.8] | 11/16" | 1.37 [34.7] | 0.37 [9.5] | 0.22 [5.6] | 0.75 [19.0] | 2 |
| PM090822S | 5/16" x 1/4 NPTF | 0.313 +0.001 / -0.004 [7.94 +0.03 / -0.10] | 1.20 [30.5] | 0.83 [21.0] | 0.66 [16.7] | 0.70 [17.8] | 11/16" | 1.37 [34.7] | 0.56 [14.3] | 0.22 [5.6] | 0.75 [19.0] | 2 |
| PM090823S | 5/16" x 3/8 NPTF | 0.313 +0.001 / -0.004 [7.94 +0.03 / -0.10] | 1.27 [32.3] | 0.83 [21.0] | 0.66 [16.7] | 0.70 [17.8] | 13/16" | 1.37 [34.7] | 0.56 [14.3] | 0.22 [5.6] | 0.89 [22.6] | 2 |
| PI091222S | 3/8" x 1/4 NPTF | 0.375 +0.001 / -0.004 [9.53 +0.03 / -0.10] | 1.44 [36.7] | 1.00 [25.4] | 0.78 [19.7] | 0.78 [19.9] | 13/16" | 1.58 [40.2] | 0.56 [14.3] | 0.26 [6.5] | 0.89 [22.6] | 1 |
| PI091223S | 3/8" x 3/8 NPTF | 0.375 +0.001 / -0.004 [9.53 +0.03 / -0.10] | 1.44 [36.7] | 1.00 [25.4] | 0.78 [19.7] | 0.78 [19.9] | 13/16" | 1.58 [40.2] | 0.56 [14.3] | 0.26 [6.5] | 0.89 [22.6] | 1 |
| PI091623S | 1/2" x 3/8 NPTF | 0.500 +0.001 / -0.004 [12.7 +0.03 / -0.10] | 1.76 [44.8] | 1.20 [30.5] | 0.91 [23.0] | 0.91 [23.0] | 1" | 1.97 [50.1] | 0.56 [14.3] | 0.38 [9.6] | 1.11 [28.3] | 1 |
| PI091624S | 1/2" x 1/2 NPTF | 0.500 +0.001 / -0.004 [12.7 +0.03 / -0.10] | 1.75 [44.5] | 1.20 [30.5] | 0.91 [23.0] | 0.91 [23.0] | 1" | 1.97 [50.1] | 0.63 [16.0] | 0.38 [9.6] | 1.10 [28.0] | 1 |