

Style and Description

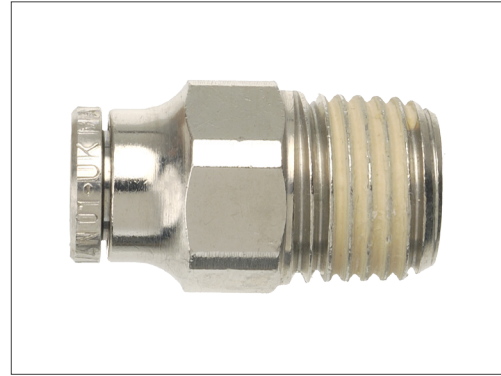
Known as a 'push-in' or 'push-fit' fitting the Pneufit option allows the tradesman a choice of product that does not require any tools to complete a trouble-free joint.

Because of its compact design and unlimited make and re-make feature, Pneufit is found in the Pneumatic/Robotics sectors.

However, Pneufit can only be used with non-metallic tube in pneumatic applications (should not be used in any hydraulic application.)

Working Pressure

0-1000kPa Pneufit Composite
0-1800kPa Pneufit Brass



Construction

- Body incorporates collet and 'O' ring
- Material: Nickel plated 385 Brass Alloy and Nitrile 'O' ring
- Pipe Thread BSP: AS1722.1 Tapered Male (R Series) Parallel Female (Rp Series)
- Material: PBT Polybutylene Terephthalate (Composite)

Media / Application

- ✓ Low pressure pneumatic applications
- ✓ Automation
- ✗ Hydraulic applications of any type

Tube

- ✓ Nylon
- ✓ Poly tube
- ✗ Metal tubes

Assembly & Installation

1. Cut the tube square using a nylon tube cutter.
2. Slide the tube through the collet into the fitting.
3. Slide the tube firmly through the 'O' ring until it rests against the tube stop. Pull on the tubing to ensure a secure joint has been made.
4. To disconnect the tube, push on tube, hold down the collet and withdraw the tube.

Note: Male threads pre-coated with thread sealant.

Maximum Working Pressure Tables for Tube Connection Fittings (kPa)

All working pressures are calculated at an ambient temperature using a safety factor of 4:1. Generally, working pressure is dependent upon the type of tubing used and not the fitting. Consequently the tables shown below should be used as a guide only.

Hydraulic Applications Only

Tube O.D	Standard Compression	Internal Compression	SAE 45° Flare	SAE 45° Inverted Flare	Fleetfit Air Brake	Pneufit
1/8	23700	23700	23700	23700	n/r	n/r
3/16	15300	15300	22150	22150	n/r	n/r
1/4	12080	12080	16200	16200	n/r	n/r
5/16	9380	9380	12600	12600	n/r	n/r
3/8	7680	7680	10200	10200	n/r	n/r
1/2	5630	5630	7450	7450	n/r	n/r
5/8	n/a	3500	6090	n/a	n/r	n/r
3/4	n/a	3500	4850	n/a	n/r	n/r
4mm	15300	n/a	n/a	n/a	n/r	n/r
6mm	12080	n/a	n/a	n/a	n/r	n/r
8mm	9380	n/a	n/a	n/a	n/r	n/r
10mm	7680	n/a	n/a	n/a	n/r	n/r
12mm	5630	n/a	n/a	n/a	n/r	n/r

n/a = Not Available n/r = Not Recommended for Hydraulic Applications

Pneumatic Applications

Tube O.D	Standard Compression	Internal Compression	SAE 45° Flare	SAE 45° Inverted Flare	Fleetfit Air Brake	Pneufit Brass
1/8	17775	17775	17775	17775	1050	1800
3/16	11475	11475	11475	11475	1050	1800
1/4	9060	9060	9060	9060	1050	1800
5/16	7035	7035	7035	7035	1050	1800
3/8	5760	5760	5760	5760	1050	1800
1/2	4370	4370	4370	4370	1050	1800
5/8	n/a	2625	2625	n/a	1050	n/a
3/4	n/a	2625	2625	n/a	1050	n/a
4mm	11475	n/a	n/a	n/a	1050	1800
6mm	9060	n/a	n/a	n/a	1050	1800
8mm	7035	n/a	n/a	n/a	1050	1800
10mm	5760	n/a	n/a	n/a	1050	1800
12mm	4370	n/a	n/a	n/a	1050	1800

n/a = Not Available