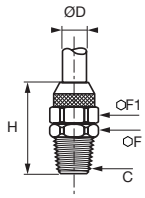
# Stud Fittings

## FBPL Stud Fitting, Male NPT Thread



Nickel-plated brass

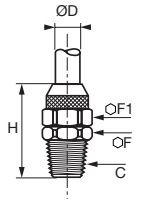



| ØD | C | | F | F1 | H | kg |
|---|---|---|---|---|---|---|
| 2.7x4 | NPT1/8 | FBPL2.7/4-1/8 | 11 | 8 | 22 | 0.011 |
| 4x6 | NPT1/8 | FBPL4/6-1/8 | 11 | 11 | 25 | 0.016 |
| 4x6 | NPT1/4 | FBPL4/6-1/4aV | 11 | 11 | 29 | 0.026 |
| 6x8 | NPT1/8 | FBPL6/8-1/8 | 14 | 13 | 25 | 0.016 |
| 6x8 | NPT1/4 | FBPL6/8-1/4 | 12 | 13 | 29 | 0.023 |
| 8x10 | NPT1/4 | FBPL8/10-1/4 | 14 | 16 | 30 | 0.031 |
| 8x10 | NPT3/8 | FBPL8/10-3/8 | 14 | 16 | 31 | 0.040 |
| 10x12 | NPT3/8 | FBPL10/12-3/8 | 14 | 17 | 33 | 0.040 |

## F3BPL Stud Fitting, Male BSPT Thread



Nickel-plated brass

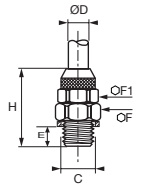



| ØD | | | F | F1 | H | kg |
|---|---|---|---|---|---|---|
| 2.7x4 | R1/8 | F3BPL2.7/4-1/8 | 10 | 8 | 20.5 | 0.009 |
| 4x6 | R1/8 | F3BPL4/6-1/8 | 10 | 11 | 23.5 | 0.016 |
| 4x6 | R1/4 | F3BPL4/6-1/4 | 14 | 11 | 26.5 | 0.025 |
| 6x8 | R1/8 | F3BPL6/8-1/8 | 12 | 13 | 23.5 | 0.015 |
| 6x8 | R1/4 | F3BPL6/8-1/4 | 14 | 13 | 26.5 | 0.023 |
| 6x8 | R3/8 | F3BPL6/8-3/8 | 17 | 13 | 27.6 | 0.026 |
| 7.5x10 | R1/4 | F3BPL7.5/10-1/4 | 14 | 16 | 27.5 | 0.031 |
| 7.5x10 | R3/8 | F3BPL7.5/10-3/8 | 17 | 16 | 28.6 | 0.037 |
| 8x10 | R1/4 | F3BPL8/10-1/4 | 14 | 16 | 27.5 | 0.031 |
| 8x10 | R3/8 | F3BPL8/10-3/8 | 17 | 16 | 28.6 | 0.043 |
| 10x12 | R3/8 | F3BPL10/12-3/8 | 17 | 17 | 30.1 | 0.036 |
| 11x14 | R3/8 | F3BPL11/14-3/8 | 19 | 22 | 32.5 | 0.058 |

## F4BPL Stud Fitting, Male BSPP Thread



Nickel-plated brass



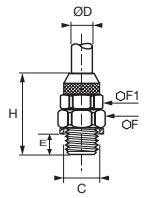

| ØD | C | | E | F | F1 | H | kg |
|---|---|---|---|---|---|---|---|
| 4x6 | G1/8 | F4BPL4/6-1/8 | 8 | 14 | 11 | 26 | 0.021 |
| 6x8 | G1/4 | F4BPL6/8-1/4 | 9 | 17 | 13 | 28 | 0.030 |

These fittings are supplied with a copper seal.

## F8BPL Stud Fitting, Male Metric Straight Thread



Nickel-plated brass

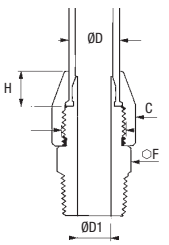



| ØD | C | | E | F | F1 | H | kg |
|---|---|---|---|---|---|---|---|
| 6x8 | M10x1 | F8BPL6/8M10 | 7 | 14 | 13 | 28 | 0.021 |
| 6x8 | M12x1.25 | F8BPL6/8M12 | 7 | 17 | 13 | 28 | 0.024 |

These fittings are supplied with a copper seal.

### Fitting Dimensions

| D: Tube O.D. (mm) | C: Metric Thread | D1: Bore Diameter (mm) | F: Hex (mm) | H: Tube Insertion Length (mm) |
|---|---|---|---|---|
| 4x2.7 | M6x0.75 | 1.5 | 8 | 4.5 |
| 6x4 | M9x0.75 | 3 | 11 | 6.5 |
| 8x6 | M11x0.75 | 5 | 13 | 6.5 |
| 10x7.5 | M13x1 | 6.5 | 17 | 7 |
| 10x8 | M13x1 | 6.5 | 17 | 7 |
| 12x10 | M15x1.25 | 9 | 17 | 7.5 |
| 14x11 | M18x1.50 | 9.5 | 22 | 8.5 |



# PL Nickel-Plated Brass Spigot Fittings

This range of Parker Legris has a sealing system which guarantees **excellent sealing and full flow**. PL fittings for flexible tubing are **fully re-usable**. They provide excellent compatibility with a wide variety of fluids.

## Product Advantages

**Rapid Assembly**

- Nut design allows hand tightening with soft tubing (PU, PE etc.)
- Quick to assemble and disassemble
- Compatible with all flexible tubes of hardness up to 90 shore A (polyurethane, polyamide, polyethylene, fluoropolymers, etc.)
- Mechanical stop on the body to prevent overtightening

**Performance**

- Special spigot design ensures full flow and excellent tensile performance
- Reliable direct sealing system without the use of a seal or olive
- Low and medium pressure
- Nickel-plated for increased corrosion resistance



**Applications**

Food Process
Painting
Pneumatic Systems
Chemical
Welding
Laboratories
Railway

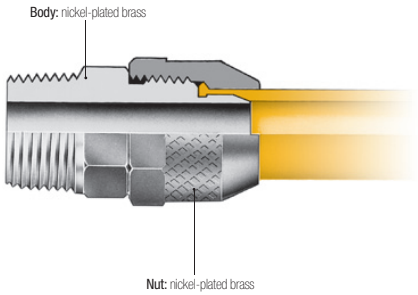
## Technical Characteristics

| | |
|---|---|
| **Compatible Fluids** | Compressed air<br>Other fluids: contact us |
| **Working Pressure** | Vacuum to 40 bar |
| **Working Temperature** | -40°C to +100°C |

| **Tensile Performance (polyamide tubing)** | Ø | 2.7/4 | 4/6 | 6/8 | 7.5/10 | 8/10 | 10/12 | 11/14 |
|---|---|---|---|---|---|---|---|---|
| | daN | 11 | 41 | 52 | 88 | 67 | 79 | 149 |

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.
Guaranteed for use with a vacuum of 755 mm Hg (99% vacuum).

**Component Materials**




**Silicone-free**

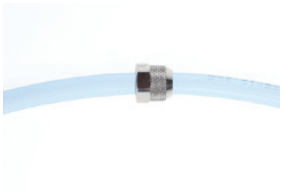
## Installation

**Cutting the Tube**



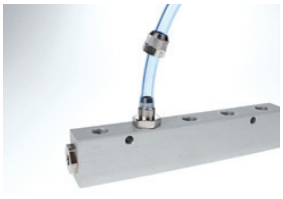
Cut the polymer tube square.

**Preparing the Connection**



Slide the nut onto the tube.

**Connecting the Tube**



Push the tube home into the body of the fitting.

**Final Assembly**



Tighten the nut by hand (in the case of soft tubing) or using a spanner (for semi-rigid tubing) until it comes into contact with the end stop.



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