

# COMPRESSION FITTINGS

# Nickel-Plated Brass Spigot Fittings



Particularly suitable for flexible tubing, PL fittings allow the tubes to be disassembled and reused.

Ø metric:  
4 to 14 mm

## Technical Characteristics

- **Compatible Fluids:** Compressed air  
Other fluids: contact us
- **Working Pressure:** Vacuum to 18 bar with BPLM-M nut  
Vacuum to 40 bar with BPLM nut
- **Working Temperature:** -40°C to +100°C

Tightening Torque (Nm)	M5 x0.8	M6 x1	1/8	1/4	3/8	1/2
<b>BSPT Thread</b>			8	12	14	16
<b>BSPP Thread with "O" ring</b>			1.2	1.5	2.5	3.5
<b>BSPP Thread with metal sleeve</b>			5	8	10	12
<b>Metric Thread</b>	0.8	0.8				

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

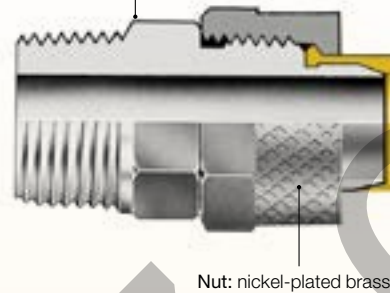
Guaranteed for use with a vacuum of 755 mm Hg (99% vacuum).

For use with fire-proof tubing: please consult us.

## Component Materials

### Silicone-free

Body: nickel-plated brass



Nut: nickel-plated brass

## Advantages

- Full flow sealing system
- Compatible with flexible and semi-rigid tubes (polyurethane, polyamide, polyethylene, fluoropolymers, etc.)
- Reliable direct sealing system without the use of a seal or olive
- Nickel-plated for increased corrosion resistance

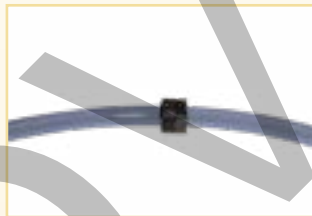
## Installation

### 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.

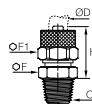
### Final Assembly



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.

## F3BPL Stud Fitting, Male BSPT Thread

Nickel-plated brass

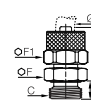


ØD	C		F	F1	H	Kg
2.7x4	R1/8	<b>F3BPL2.7/4-1/8</b>	12	8	16	0.009
4x6	R1/8	<b>F3BPL4/6-1/8</b>	12	12	19.5	0.016
	R1/4	<b>F3BPL4/6-1/4</b>	14	12	20	0.025
	R1/8	<b>F3BPL6/8-1/8</b>	12	14	19.5	0.019
6x8	R1/4	<b>F3BPL6/8-1/4</b>	14	14	20	0.026
	R3/8	<b>F3BPL6/8-3/8</b>	17	14	20	0.030
8x10	R1/4	<b>F3BPL8/10-1/4</b>	14	16	21.5	0.031
	R3/8	<b>F3BPL8/10-3/8</b>	17	16	21.5	0.043
10x12	R3/8	<b>F3BPL10/12-3/8</b>	17	18	23	0.036
11x14	R3/8	<b>F3BPL11/14-3/8</b>	22	22	23.5	0.061

Compatible with BPLM-M nut only

## F4BPL Stud Fitting, Male BSPP Thread

Nickel-plated brass, NBR



ØD	C		E	F	F1	H	Kg
4x6	G1/8	<b>F4BPL4/6-1/8</b>	6	13	12	19.5	0.031
6x8	G1/4	<b>F4BPL6/8-1/4</b>	8	16	14	20	0.033

Compatible with BPLM-M nut only

# Nickel-Plated Brass Spigot Fittings

## F8BPL Stud Fitting, Male Metric Thread

Nickel-plated brass, NBR

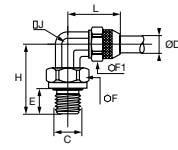


ØD	C		E	F	F1	H	Kg
6x8	M10x1	<b>F8BPL6/8M10</b>	8	14	13	20	0.025
	M12x1.25	<b>F8BPL6/8M12</b>	8	17	14	28	0.028

Compatible with BPLM nut only.  
These fittings are supplied with a copper seal.  
Maximum working pressure: 40 bar

## C8BPL-1 Stud Elbow, Male Metric Thread

Nickel-plated brass, NBR

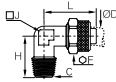


ØD	C		E	F	F1	H	J	L	Kg
6x8	M10x1	<b>C8BPL6/8M10</b>	6.5	14	14	22	10	23	0.030
	M12x1.25	<b>C8BPL6/8M12X125</b>	8	17	14	25	10	23	0.035

These fittings are supplied with nitrile seals.  
Compatible with BPLM-M nut only.

## C3BPL Stud Elbow, Male BSPT Thread

Nickel-plated brass

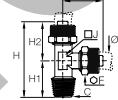


ØD	C		F	H	J	L	Kg
2.7x4	R1/8	<b>C3BPL2.7/4-1/8</b>	8	17	8	19.5	0.018
4x6	R1/8	<b>C3BPL4/6-1/8</b>	12	17	8	22.5	0.022
	R1/4	<b>C3BPL4/6-1/4</b>	12	20	10	22.5	0.031
6x8	R1/8	<b>C3BPL6/8-1/8</b>	14	17	10	22.5	0.029
	R1/4	<b>C3BPL6/8-1/4</b>	14	20	10	22.5	0.031
6x8	R3/8	<b>C3BPL6/8-3/8</b>	14	22.5	11	24	0.064
	R1/4	<b>C3BPL7.5/10-1/4</b>	16	22.5	12	28	0.057
8x10	R1/4	<b>C3BPL8/10-1/4</b>	16	21.5	11	25.5	0.057
	R3/8	<b>C3BPL8/10-3/8</b>	16	22.5	11	25.5	0.057
10x12	R3/8	<b>C3BPL10/12-3/8</b>	18	24.5	14	30	0.060
11x14	R3/8	<b>C3BPL11/14-3/8</b>	22	28	14	34	0.075

Compatible with BPLM-M nut only

## R3BPL Stud Run Tee, Male BSPT Thread

Nickel-plated brass

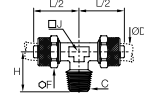


ØD	C		F	H	H1	H2	J	Kg
4x6	R1/8	<b>R3BPL4/6-1/8</b>	12	39.5	17	22.5	8	0.035
	R1/4	<b>R3BPL4/6-1/4</b>	12	43.5	21	22.5	10	0.048

Compatible with BPLM-M nut only

## S3BPL Stud Branch Tee, Male BSPT Thread

Nickel-plated brass

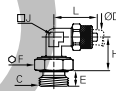


ØD	C		F	H	J	L/2	Kg
4x6	R1/8	<b>S3BPL4/6-1/8</b>	12	17	8	22.5	0.035
	R1/4	<b>S3BPL4/6-1/4</b>	12	20.5	10	22.5	0.047

Compatible with BPLM-M nut only

## C4BPL Stud Elbow, Male BSPP Thread

Nickel-plated brass, NBR

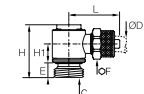


ØD	C		E	F	F1	H	J	L	Kg
4x6	G1/4	<b>C4BPL4/6-1/4</b>	8	17		25	10	23.5	0.066
6x8	G1/4	<b>C4BPL6/8-1/4</b>	8	17	14	25	10	23.5	0.068

These fittings are supplied with nitrile seals.  
Compatible with BPLM-M nut only.

## COR4BPL Single Banjo, Male BSPP Thread

Nickel-plated brass, treated steel, NBR



ØD	C		E	F	H	H1	L	Kg
4x6	G1/8	<b>COR4BPL4/6-1/8</b>	6.5	12	25.5	9	24	0.069
	G1/4	<b>COR4BPL4/6-1/4</b>	8	12	31.5	10	26	0.097
6x8	G1/4	<b>COR4BPL6/8-1/4</b>	8	14	31.5	10	26	0.101
	G1/8	<b>COR4BPL6/8-1/8</b>	6.5	14	25.5	9	24	0.073

These parts are supplied with peripheral seals.  
The banjo bolt is made of steel.  
Compatible with BPLM-M nut only.

