

# PL Nickel-Plated Brass Spigot Fitting Range

## PL Nickel-Plated Brass Spigot Fittings

### Stud Fittings

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### Banjo Fitting

**COR4BPL**  
BSPP  
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### Tube-to-Tube Fittings

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### Complementary Fitting

**BPLM**  
Nut  
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# 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

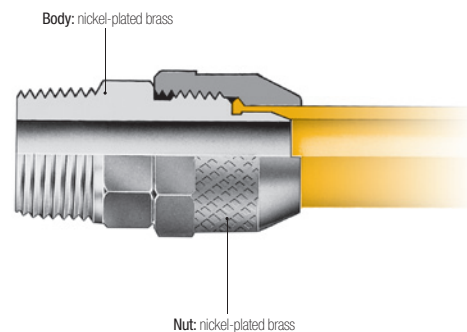
## Technical Characteristics

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

<b>Tensile Performance (polyamide tubing)</b>	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

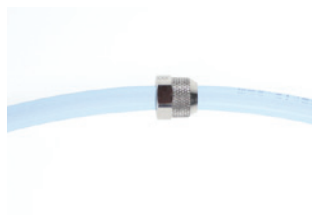
## Installation

### Cutting the Tube



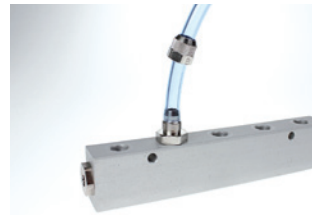
Cut the polymer tube square.

### Preparing the Connection



Slide the nut onto the tube.

### Connecting the Tube



Push the tube home into the body of the fitting.


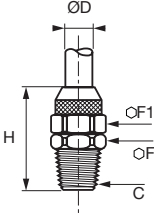

### Final Assembly




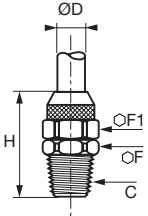

Tighten the nut by hand (in the case of soft tubing) or using a spanner (for semi-rigid tubing) until it comes into contact with the end stop.

# Stud Fittings


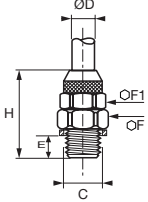

## FBPL Stud Fitting, Male NPT Thread

		<b>ØD</b> <b>C</b> 	<b>F</b>	<b>F1</b>	<b>H</b>	<b>kg</b>
		2.7x4    NPT1/8 <b>FBPL2.7/4-1/8</b> 4x6    NPT1/8 <b>FBPL4/6-1/8</b> 4x6    NPT1/4 <b>FBPL4/6-1/4aV</b> 6x8    NPT1/8 <b>FBPL6/8-1/8</b> 6x8    NPT1/4 <b>FBPL6/8-1/4</b> 8x10    NPT1/4 <b>FBPL8/10-1/4</b> 8x10    NPT3/8 <b>FBPL8/10-3/8</b> 10x12    NPT3/8 <b>FBPL10/12-3/8</b>				

## F3BPL Stud Fitting, Male BSPT Thread


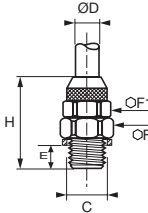

		<b>ØD</b> 	<b>F</b>	<b>F1</b>	<b>H</b>	<b>kg</b>
		2.7x4    R1/8 <b>F3BPL2.7/4-1/8</b> 4x6    R1/8 <b>F3BPL4/6-1/8</b> 4x6    R1/4 <b>F3BPL4/6-1/4</b> 6x8    R1/8 <b>F3BPL6/8-1/8</b> 6x8    R1/4 <b>F3BPL6/8-1/4</b> 6x8    R3/8 <b>F3BPL6/8-3/8</b> 7.5x10    R1/4 <b>F3BPL7.5/10-1/4</b> 7.5x10    R3/8 <b>F3BPL7.5/10-3/8</b> 8x10    R1/4 <b>F3BPL8/10-1/4</b> 8x10    R3/8 <b>F3BPL8/10-3/8</b> 10x12    R3/8 <b>F3BPL10/12-3/8</b> 11x14    R3/8 <b>F3BPL11/14-3/8</b>				

## F4BPL Stud Fitting, Male BSPP Thread

		<b>ØD</b> <b>C</b> 	<b>E</b>	<b>F</b>	<b>F1</b>	<b>H</b>	<b>kg</b>
		4x6    G1/8 <b>F4BPL4/6-1/8</b> 6x8    G1/4 <b>F4BPL6/8-1/4</b>					

These fittings are supplied with a copper seal.

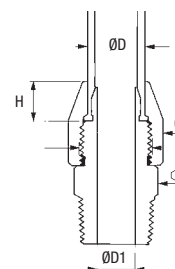
## F8BPL Stud Fitting, Male Metric Straight Thread

		<b>ØD</b> <b>C</b> 	<b>E</b>	<b>F</b>	<b>F1</b>	<b>H</b>	<b>kg</b>
		6x8    M10x1 <b>F8BPL6/8M10</b> 6x8    M12x1.25 <b>F8BPL6/8M12</b>					

These fittings are supplied with a copper seal.


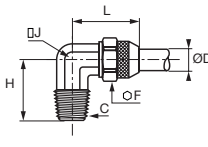

### Fitting Dimensions

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


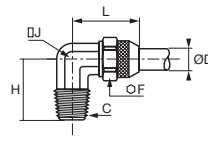



# Stud Fittings


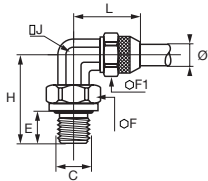

## CBPL Stud Elbow, Male NPT Thread

	<p>Nickel-plated brass</p> 	<b>ØD</b>	<b>C</b>		<b>F</b>	<b>H</b>	<b>J</b>	<b>L</b>	<b>kg</b>
		2.7x4	NPT1/8	<a href="#">CBPL2.7/4-1/8</a>	8	18	8	22	0.019
		4x6	NPT1/8	<a href="#">CBPL4/6-1/8</a>	11	18	8	24	0.023
		4x6	NPT1/4	<a href="#">CBPL4/6-1/4</a>	11	23	10	25	0.036
		6x8	NPT1/8	<a href="#">CBPL6/8-1/8</a>	13	19	10	25	0.027
		6x8	NPT1/4	<a href="#">CBPL6/8-1/4</a>	13	23	10	25	0.034
		8x10	NPT1/4	<a href="#">CBPL8/10-1/4</a>	16	24	12	28	0.058
		8x10	NPT3/8	<a href="#">CBPL8/10-3/8</a>	16	25	12	28	0.059
		10x12	NPT3/8	<a href="#">CBPL10/12-3/8</a>	17	27	14	32	0.051

## C3BPL Stud Elbow, Male BSPT Thread


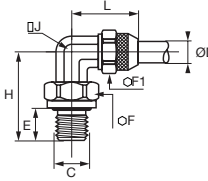

	<p>Nickel-plated brass</p> 	<b>ØD</b>	<b>C</b>		<b>F</b>	<b>H</b>	<b>J</b>	<b>L</b>	<b>kg</b>
		2.7x4	R1/8	<a href="#">C3BPL2.7/4-1/8</a>	8	17	8	22	0.018
		4x6	R1/8	<a href="#">C3BPL4/6-1/8</a>	11	17	8	24	0.022
		4x6	R1/4	<a href="#">C3BPL4/6-1/4</a>	11	21.5	10	25	0.031
		6x8	R1/8	<a href="#">C3BPL6/8-1/8</a>	13	18	10	25	0.025
		6x8	R1/4	<a href="#">C3BPL6/8-1/4</a>	13	21.5	10	25	0.031
		6x8	R3/8	<a href="#">C3BPL6/8-3/8</a>	13	23.1	12	27	0.050
		7.5x10	R1/4	<a href="#">C3BPL7.5/10-1/4</a>	16	22.5	12	28	0.057
		7.5x10	R3/8	<a href="#">C3BPL7.5/10-3/8</a>	16	23.1	12	28	0.058
		8x10	R1/4	<a href="#">C3BPL8/10-1/4</a>	16	21.5	12	28	0.057
		8x10	R3/8	<a href="#">C3BPL8/10-3/8</a>	16	23.1	12	28	0.058
		10x12	R3/8	<a href="#">C3BPL10/12-3/8</a>	17	25.1	14	32	0.052
		11x14	R3/8	<a href="#">C3BPL11/14-3/8</a>	22	25.1	16	34	0.094

## C4BPL Stud Elbow, Male BSP Thread

	<p>Nickel-plated brass, NBR</p> 	<b>ØD</b>	<b>C</b>		<b>E</b>	<b>F</b>	<b>F1</b>	<b>H</b>	<b>J</b>	<b>L</b>	<b>kg</b>
		6x8	G1/4	<a href="#">C4BPL6/8-1/4</a>	7	13	13	27	12	27	0.063

These fittings are supplied with nitrile seals.


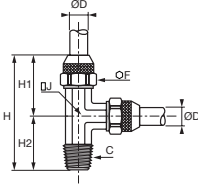

## C8BPL Stud Elbow, Male Metric Straight Thread

	<p>Nickel-plated brass, NBR</p> 	<b>ØD</b>	<b>C</b>		<b>E</b>	<b>F</b>	<b>F1</b>	<b>H</b>	<b>J</b>	<b>L</b>	<b>kg</b>
		6x8	M10x1	<a href="#">C8BPL6/8M10</a>	7	14	13	27.25	10	21.5	0.031
		6x8	M12x1	<a href="#">C8BPL6/8M12</a>	7	13	13	26	12	25	0.063


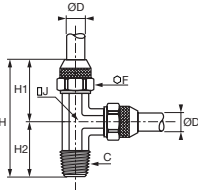

These fittings are supplied with nitrile seals.

# Stud Fittings


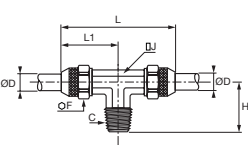

## RBPL Stud Run Tee, Male NPT Thread

		<b>ØD</b> <b>C</b> 	<b>F</b>	<b>H</b>	<b>H1</b>	<b>H2</b>	<b>J</b>	<b>kg</b>
		4x6 NPT1/8 <a href="#">RBPL4/6-1/8</a>	11	42	24	18	8	0.037
		4x6 NPT1/4 <a href="#">RBPL4/6-1/4</a>	11	48	25	23	10	0.050
		6x8 NPT1/4 <a href="#">RBLP6/8-1/4</a>	13	48	25	23	10	0.046


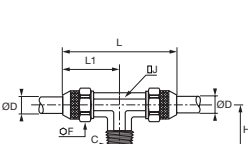

## R3BPL Stud Run Tee, Male BSPT Thread

		<b>ØD</b> <b>C</b> 	<b>F</b>	<b>H</b>	<b>H1</b>	<b>H2</b>	<b>J</b>	<b>kg</b>
		4x6 R1/8 <a href="#">R3BPL4/6-1/8</a>	11	42	24	17	8	0.035
		4x6 R1/4 <a href="#">R3BPL4/6-1/4</a>	11	48	25	21.5	10	0.048
		6x8 R1/8 <a href="#">R3BPL6/8-1/8</a>	13	44	25	18	10	0.037
6x8 R1/4 <a href="#">R3BLP6/8-1/4</a>	13	48	25	21.5	10	0.045		


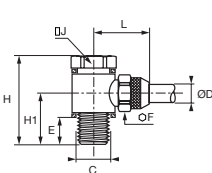

## SBPL Stud Branch Tee, Male NPT Thread

		<b>ØD</b> <b>C</b> 	<b>F</b>	<b>H</b>	<b>J</b>	<b>L</b>	<b>L1</b>	<b>kg</b>
		4x6 NPT1/8 <a href="#">SBPL4/6-1/8</a>	11	18	8	48	24	0.035
		4x6 NPT1/4 <a href="#">SBPL4/6-1/4</a>	11	23	10	50	25	0.050
		6x8 NPT1/4 <a href="#">SBPL6/8-1/4</a>	13	23	10	50	25	0.049

## S3BPL Branch Tee, Male BSPT Thread

		<b>ØD</b> <b>C</b> 	<b>F</b>	<b>H</b>	<b>J</b>	<b>L</b>	<b>L1</b>	<b>kg</b>
		4x6 R1/8 <a href="#">S3BPL4/6-1/8</a>	11	17	8	48	24	0.035
		4x6 R1/4 <a href="#">S3BPL4/6-1/4</a>	11	21.5	10	50	25	0.048
		6x8 R1/8 <a href="#">S3BPL6/8-1/8</a>	13	18	10	50	25	0.037
6x8 R1/4 <a href="#">S3BLP6/8-1/4</a>	13	21.5	10	50	25	0.045		

## COR4BPL Single Banjo, Male BSPP Thread


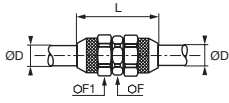

		<b>ØD</b> <b>C</b> 	<b>E</b>	<b>F</b>	<b>F1</b>	<b>H</b>	<b>H1</b>	<b>L</b>	<b>kg</b>
		4x6 G1/8 <a href="#">COR4BPL4/6-1/8</a>	7	14	11	27	16	24	0.068
		4x6 G1/4 <a href="#">COR4BPL4/6-1/4</a>	8	19	11	29	17	26	0.096
		6x8 G1/8 <a href="#">COR4BPL6/8-1/8</a>	7	14	13	27	16	25	0.068
6x8 G1/4 <a href="#">COR4BLP6/8-1/4</a>	8	19	13	30	17	27	0.096		

These parts are supplied with peripheral seals.  
The banjo bolt is made of steel.

# PL Tube-to-Tube and Complementary Fittings


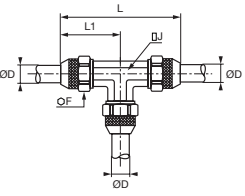

## HBPL

### Equal Tube-to-Tube Connector

	Nickel-plated brass 	<b>ØD</b>		<b>F</b>	<b>F1</b>	<b>L</b>	<b>kg</b>
		2.7x4	<a href="#">HBPL2.7/4</a>	7	8	24	0.010
		4x6	<a href="#">HBPL4/6</a>	10	11	30	0.021
		6x8	<a href="#">HBPL6/8</a>	12	13	30	0.022
		8x10	<a href="#">HBPL8/10</a>	14	16	32	0.043
		10x12	<a href="#">HBPL10/12</a>	16	17	36	0.056
		11x14	<a href="#">HBPL11/14</a>	19	22	40	0.087


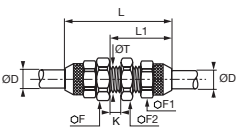

## JBPL

### Equal Tee

	Nickel-plated brass 	<b>ØD</b>		<b>F</b>	<b>J</b>	<b>L</b>	<b>L1</b>	<b>kg</b>
		2.7x4	<a href="#">JBPL2.7/4</a>	8	8	44	22	0.024
		4x6	<a href="#">JBPL4/6</a>	11	8	48	24	0.042
		6x8	<a href="#">JBPL6/8</a>	13	10	50	25	0.045
		7.5x10	<a href="#">JBPL7.5/10</a>	16	12	56	28	0.086
		8x10	<a href="#">JBPL8/10</a>	16	12	56	28	0.085
		10x12	<a href="#">JBPL10/12</a>	17	14	64	32	0.100
		11x14	<a href="#">JBPL11/14</a>	22	16	68	34	0.168


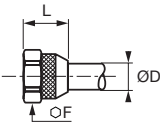

## WBPL

### Equal Bulkhead Connector

	Nickel-plated brass 	<b>ØD</b>		<b>F</b>	<b>F1</b>	<b>F2</b>	<b>K<sub>max</sub></b>	<b>L</b>	<b>L1</b>	<b>T<sub>min</sub></b>	<b>kg</b>
		4x6	<a href="#">WBPL4/6</a>	13	11	13	5	39	22	M9x0.75	0.030
		6x8	<a href="#">WBPL6/8</a>	14	13	16	5	39	22	M11x0.75	0.032
		8x10	<a href="#">WBPL8/10</a>	16	16	17	5	43	24	M13x1	0.057
		10x12	<a href="#">WBPL10/12</a>	19	17	19	5	46	26	M15x1.25	0.064
		11x14	<a href="#">WBPL11/14</a>	22	22	22	5	50	28	M18x1.5	0.112

## BPLM

### Nut

	Nickel-plated brass 	<b>ØD</b>	<b>C</b>		<b>F</b>	<b>L</b>	<b>kg</b>
		2.7x4	M6x0.75	<a href="#">BPL4M</a>	8	10	0.003
		4x6	M9x0.75	<a href="#">BPL6M</a>	11	13	0.006
		6x8	M11x0.75	<a href="#">BPL8M</a>	13	13	0.008
		7.5x10	M13x1	<a href="#">BPL10M</a>	16	14	0.014
		8x10	M13x1	<a href="#">BPL10M</a>	16	14	0.014
		10x12	M15x1.25	<a href="#">BPL12M</a>	17	16	0.012
		11x14	M18x1.5	<a href="#">BPL14M</a>	22	18	0.025

