

PL Nickel-Plated Brass Spigot Fitting Range

PL Nickel-Plated Brass Spigot Fittings

Stud Fittings

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Banjo Fitting

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Tube-to-Tube Fittings

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Complementary Fitting

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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

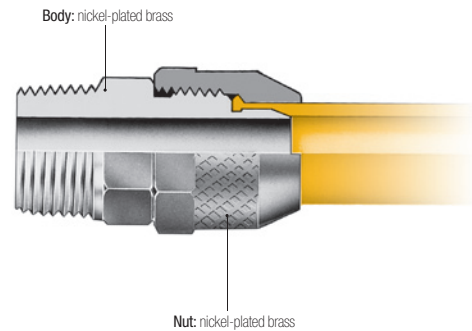
Technical Characteristics

Compatible Fluids	Compressed air 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

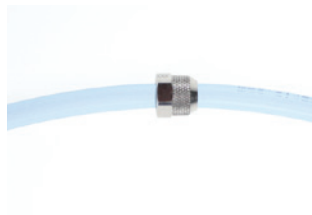
Installation

Cutting the Tube



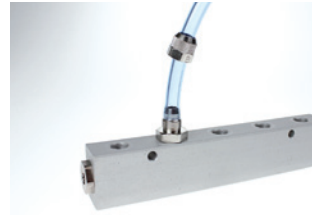
Cut the polymer tube square.

Preparing the Connection



Slide the nut onto the tube.

Connecting the Tube



Push the tube home into the body of the fitting.


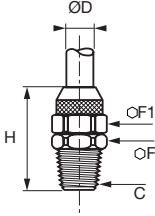

Final Assembly




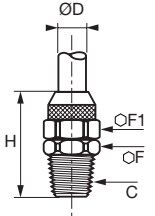

Tighten the nut by hand (in the case of soft tubing) or using a spanner (for semi-rigid tubing) until it comes into contact with the end stop.

Stud Fittings


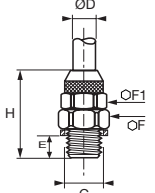

FBPL Stud Fitting, Male NPT Thread

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

F3BPL Stud Fitting, Male BSPT Thread


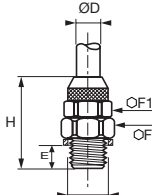

		ØD 	F	F1	H	kg
		2.7x4 R1/8 F3BPL2.7/4-1/8 4x6 R1/8 F3BPL4/6-1/8 4x6 R1/4 F3BPL4/6-1/4 6x8 R1/8 F3BPL6/8-1/8 6x8 R1/4 F3BPL6/8-1/4 6x8 R3/8 F3BPL6/8-3/8 7.5x10 R1/4 F3BPL7.5/10-1/4 7.5x10 R3/8 F3BPL7.5/10-3/8 8x10 R1/4 F3BPL8/10-1/4 8x10 R3/8 F3BPL8/10-3/8 10x12 R3/8 F3BPL10/12-3/8 11x14 R3/8 F3BPL11/14-3/8				

F4BPL Stud Fitting, Male BSPP Thread

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

These fittings are supplied with a copper seal.

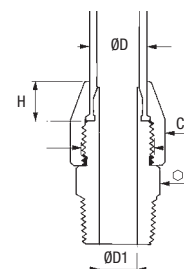
F8BPL Stud Fitting, Male Metric Straight Thread

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

These fittings are supplied with a copper seal.


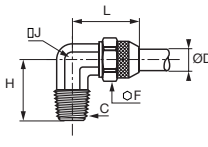

Fitting Dimensions

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


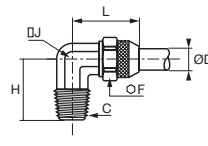



Stud Fittings


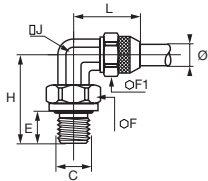

CBPL Stud Elbow, Male NPT Thread

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

C3BPL Stud Elbow, Male BSPT Thread


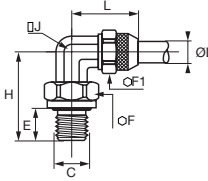

	<p>Nickel-plated brass</p> 	ØD	C		F	H	J	L	kg
		2.7x4	R1/8	C3BPL2.7/4-1/8	8	17	8	22	0.018
		4x6	R1/8	C3BPL4/6-1/8	11	17	8	24	0.022
		4x6	R1/4	C3BPL4/6-1/4	11	21.5	10	25	0.031
		6x8	R1/8	C3BPL6/8-1/8	13	18	10	25	0.025
		6x8	R1/4	C3BPL6/8-1/4	13	21.5	10	25	0.031
		6x8	R3/8	C3BPL6/8-3/8	13	23.1	12	27	0.050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

C4BPL Stud Elbow, Male BSP Thread

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

These fittings are supplied with nitrile seals.


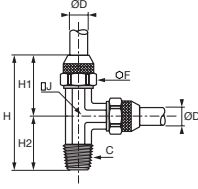

C8BPL Stud Elbow, Male Metric Straight Thread

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


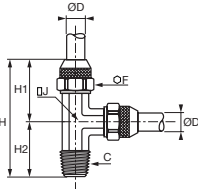

These fittings are supplied with nitrile seals.

Stud Fittings


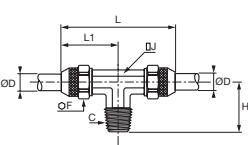

RBPL Stud Run Tee, Male NPT Thread

		ØD C 	F	H	H1	H2	J	kg
		4x6 NPT1/8 RBPL4/6-1/8	11	42	24	18	8	0.037
		4x6 NPT1/4 RBPL4/6-1/4	11	48	25	23	10	0.050
		6x8 NPT1/4 RBLP6/8-1/4	13	48	25	23	10	0.046


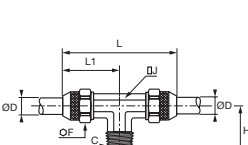

R3BPL Stud Run Tee, Male BSPT Thread

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


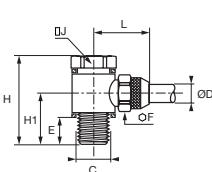

SBPL Stud Branch Tee, Male NPT Thread

		ØD C 	F	H	J	L	L1	kg
		4x6 NPT1/8 SBPL4/6-1/8	11	18	8	48	24	0.035
		4x6 NPT1/4 SBPL4/6-1/4	11	23	10	50	25	0.050
		6x8 NPT1/4 SBPL6/8-1/4	13	23	10	50	25	0.049

S3BPL Branch Tee, Male BSPT Thread

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

COR4BPL Single Banjo, Male BSPP Thread


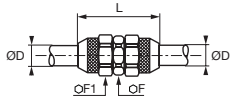

		ØD C 	E	F	F1	H	H1	L	kg
		4x6 G1/8 COR4BPL4/6-1/8	7	14	11	27	16	24	0.068
		4x6 G1/4 COR4BPL4/6-1/4	8	19	11	29	17	26	0.096
		6x8 G1/8 COR4BPL6/8-1/8	7	14	13	27	16	25	0.068
6x8 G1/4 COR4BLP6/8-1/4	8	19	13	30	17	27	0.096		

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

PL Tube-to-Tube and Complementary Fittings


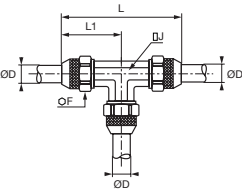

HBPL

Equal Tube-to-Tube Connector

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


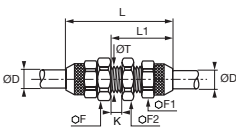

JBPL

Equal Tee

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


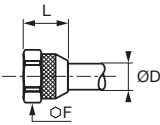

WBPL

Equal Bulkhead Connector

	Nickel-plated brass 	ØD		F	F1	F2	K_{max}	L	L1	T_{min}	kg
		4x6	WBPL4/6	13	11	13	5	39	22	M9x0.75	0.030
		6x8	WBPL6/8	14	13	16	5	39	22	M11x0.75	0.032
		8x10	WBPL8/10	16	16	17	5	43	24	M13x1	0.057
		10x12	WBPL10/12	19	17	19	5	46	26	M15x1.25	0.064
		11x14	WBPL11/14	22	22	22	5	50	28	M18x1.5	0.112

BPLM

Nut

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