



Parker Legris Rectus Distribution Catalogue

Low Pressure Fluid Handling Solutions



ENGINEERING YOUR SUCCESS.

COMPRESSION FITTINGS

Compression Fittings

	Materials	Fluids	Maximum Pressure (bar)	Temperature		Performance in Aggressive Environments		Page
				Min.	Max.	Mechanical	Chemical	
Compression Fittings								
Brass Compression Fittings 	Brass	Compressed air, industrial fluids	550 (depending on the type of tubing used)	-60°C	+250°C	Excellent	Moderate	137
Stainless Steel Compression Fittings 	Stainless steel 316L	All fluids	400 (80 bar in aggressive environment)	-60°C	+250°C	Excellent	Excellent	151
Nickel-Plated brass Spigot Fittings 	Nickel-plated brass	Compressed air, industrial fluids	40 (depending on the type of nut used)	-40°C	+100°C	Good	Good	157

Compression Fitting Part Numbers

Item Type	0105	14	27	99	Suffix
01XX: brass 18XX: stainless steel					39: bonded seal 40: treated steel 60: nut 70: polymer nut 99: chemical nickel
	Ø		Thread		
	04 = 4 mm 06 = 6 mm ... 20 = 20 mm 28 = 28 mm		10 = 1/8 13 = 1/4 ... 21 = 1/2 27 = 3/4		

PL Fitting Part Numbers

Item Type	F3BPL	8/10	-1/4
FBPL F3BPL HBPL WBPL ...		Ø	Thread
		2.7/4 4/6 6/8 7.5/10 8/10 10/12 11/14	BSPT: 1/8 1/4 3/8 ... Metric: M10 M12 NPT: with adaptor BSPT and NPT

Brass Compression Fittings / Stud Fittings



These "universal" fittings provide users with numerous connection options for a wide variety of tube materials without the need for tube threading or soldering guarantee excellent long-term sealing and performance.

Ø metric:
4 to 28 mm

Technical Characteristics

- **Compatible Fluids:** Water, machining oil, fuel, hydraulic oil, compressed air, chemical fluids, disinfectants
- **Working Pressure:** Vacuum to 550 bar
- **Working Temperature:** -60°C to +250°C without sealing washer, with metal tubing

Working temperature: -20°C to +100°C, with sealing washer and polyamide tubing.

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).

Thread sealing must be guaranteed by user.

Advantages

- 22 configurations
- Excellent sealing due to the tightening of the olive onto the tube
- Metallic sealing for optimum service life, pressure and temperature ranges
- Connection of different types of tubing and hose: metal, polymer, steel, rubber, etc.
- Multiple tube diameters can be connected using the Legris reducer assembly system

Maximum Bore Diameters

The table below shows the recommended compatibility of tube size, BSPP male thread and maximum bore.

Tube O.D.	BSPP Thread	Max. Bore
4-5-6	G1/8	4
6-8-10	G1/4	7
10-12-14	G3/8	11
14-15-16-18	G1/2	14
18-20-22	G3/4	18
22-25-28	G1	24

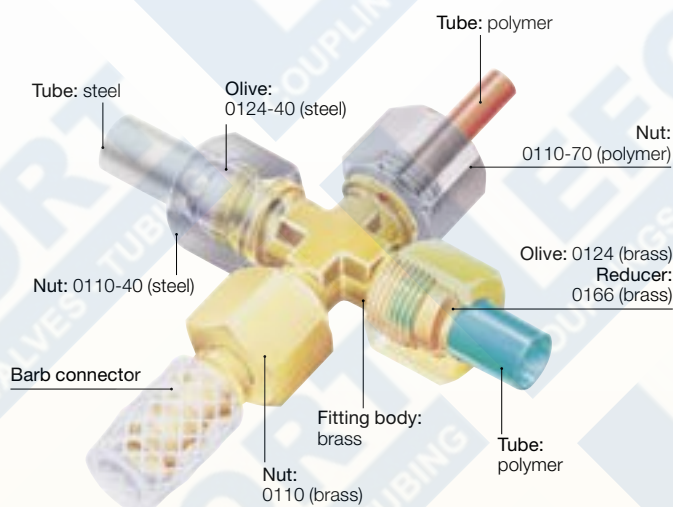
Tube Length for Assembly

Minimum length of tube (L) between 2 fittings.



ØD	L (mm)	ØD	L (mm)	ØD	L (mm)
4	26.5	12	39	20	51
5	26	14	41	22	54
6	26	15	41	25	62
8	32	16	46.5	28	62
10	39	18	49.5		

Component Materials



Regulations

- PED
- REACH
- RoHS

Regulations

CNOMO: E07.21.115N
(for robotic equipment in the automotive industry)

DI: 97/23/EC (PED)

RG: 1907/2006 (REACH)

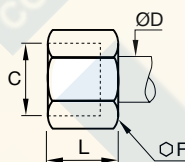
DI: 2002/95/EC (RoHS)

DI: 94/9/EC (ATEX)

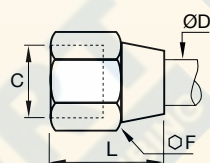
Recommended Nut Tightening Torque

Tightening torque in daN.m =

maximum tightening torque of a 0110 nut and 0124 olive with copper, brass or steel tube.



Nut 0110 and 0110..40



Nut 0110..60

Ø D (mm)	Ø F 0110	Ø F 0110..60	Max. daN.m Copper or Brass	Ø F 0110..40	Max. daN.m Steel
4	10	11	0.7	10	1.5
5	12	13	0.7	12	1.5
6	13	13	1.5	13	2.5
8	14	16	1.5	14	2.5
10	19	20	1.8	19	3
12	22	22	3	22	4.5
14	24	24	3.5	24	5.5
15	24	24	4	24	6
16	27	27	5	27	7
18	30	30	6	30	9
20	32	32	6	32	10
22	36	36	7	36	12
25	41	41	8	41	13
28	42		9		

Brass Compression Fittings / Stud Fittings

Installation

Cutting the Tube



Cut the polymer or metal tube square.

Preparing the Connection



For metal tubing, de-burr the tube prior to connection. Tube bending should be done before connection.



Slide the nut onto the tube; lubricate the threads on the body and nut along with the olive to facilitate tightening (for metal tubing as well). Fit the olive onto the end of the tube.

Connecting the Tube



Push the tube up against the shoulder of the fitting and hand tighten.

Final Assembly



Tighten the nut using a spanner or torque wrench to enable the olive to bite on the tube, the connection being completed when the recommended tightening torque is reached (see tables below).



It is recommended to use an insert in order to prevent tube creeping (diameter > 14mm)

Recommended Tube Type

Copper tube: copper which has been "cold rolled", cold drawn and in straight lengths.

Brass tube: in cold-rolled straight lengths (same working pressure as for copper tube).

"Coiled annealed" copper tube: reduces working pressure by 35%; must be avoided completely if vibration is present.

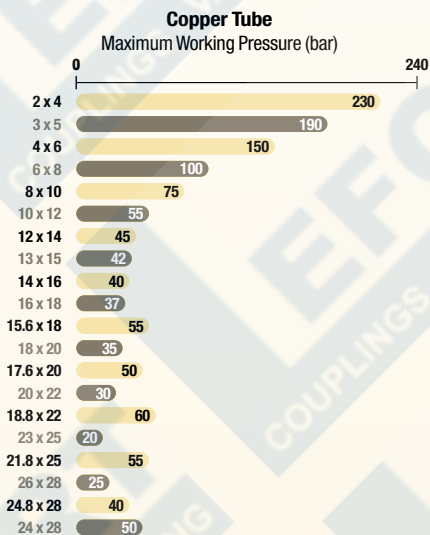
Steel tube: "thin wall" cold drawn, seamless, bright annealed and in straight lengths.
6 mm to 16 mm O.D.: max. wall thickness 1 mm
Above 16 mm O.D.: max. wall thickness 1.5 mm

Polyamide tube: semi-rigid

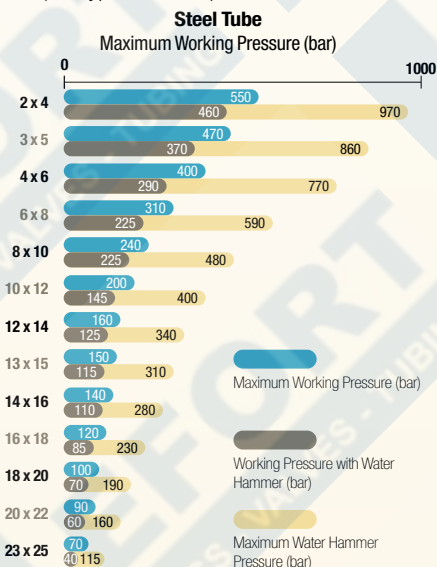
For rigid polyamide tube, multiply the figures in this table by 1.8.

Recommended Tube-Fitting Assembly Configurations

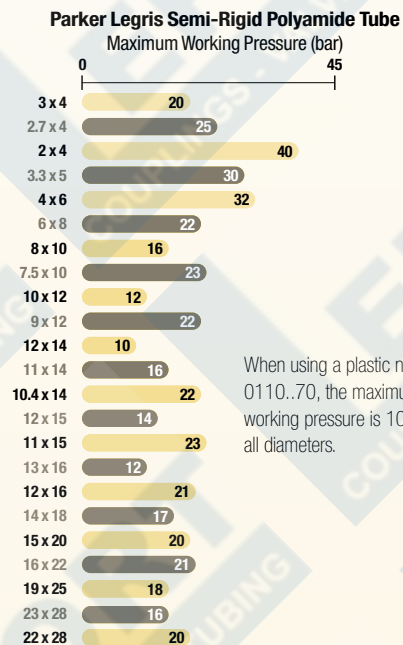
Assembled using Parker Legris brass olive and nut.



Assembled using Parker Legris steel olive and nut (nut type O110..40).



Assembled using Parker Legris brass olive and nut.



When using a plastic nut type O110..70, the maximum working pressure is 10 bar, for all diameters.

Working Pressure Coefficients for Semi-Rigid Polyamide Tubing

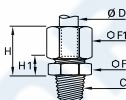
Temperature °C	-40°C / -15°C	-15°C / +30°C	+30°C / +50°C	+50°C / +70°C	+70°C / +100°C
Factor	1.8	1	0.68	0.55	0.31

Parker Legris brass compression fittings are not compatible with ammonia and its derivatives.

The above recommendations are given in good faith. However, since each application is different, it is advisable to undertake tests in actual working conditions.

0105 Stud Fitting, Male BSPT Thread

Brass

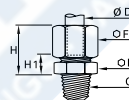


ØD	C		F	F1	H max	H1	Kg
4	R1/8	0105 04 10	10	10	17	7	0.012
5	R1/8	0105 05 10	11	12	17.5	7.5	0.016
	R1/4	0105 05 13	14	12	17.5	7.5	0.023
6	R1/8	0105 06 10	11	13	18	7.5	0.017
	R1/4	0105 06 13	14	13	18	7.5	0.024
8	R3/8	0105 06 17	17	13	18	8.5	0.030
	R1/8	0105 08 10	13	14	19.5	7	0.021
10	R1/4	0105 08 13	14	14	19.5	7	0.026
	R3/8	0105 08 17	17	14	20.5	8	0.032
12	R1/8	0105 10 10	17	19	24	9	0.043
	R1/4	0105 10 13	17	19	24	9	0.047
	R3/8	0105 10 17	17	19	24	9	0.048
14	R1/2	0105 10 21	22	19	25	10	0.066
	R1/4	0105 12 13	19	22	24	9	0.059
	R3/8	0105 12 17	19	22	24	9	0.060
16	R1/2	0105 12 21	22	22	25	10	0.076
	R1/4	0105 14 13	22	24	25	8	0.067
	R3/8	0105 14 17	22	24	25	8	0.068
18	R1/2	0105 14 21	22	24	26	9	0.079
	R3/4	0105 14 27	27	24	27	10	0.106
20	R3/8	0105 15 17	22	24	25	8	0.066
	R1/2	0105 15 21	22	24	26	9	0.076
22	R1/4	0105 16 13	24	27	27	9.5	0.092
	R3/8	0105 16 17	24	27	27	9.5	0.093
	R1/2	0105 16 21	24	27	27	9.5	0.101
24	R3/4	0105 16 27	27	27	28	10.5	0.123
	R1/2	0105 18 21	27	30	30	10.5	0.128
	R3/4	0105 18 27	27	30	30	10.5	0.140
26	R1/2	0105 20 21	30	32	32	11	0.147
	R3/4	0105 20 27	30	32	32	11	0.160
	R1/2	0105 22 21	32	36	33	11	0.188
28	R3/4	0105 22 27	32	36	33	11	0.198
	R1	0105 22 34	36	36	33	11	0.229
	R3/4	0105 25 27	36	41	36	11	0.265
30	R1	0105 25 34	36	41	36	11	0.281
	R3/4	0105 28 27	41	42	36	11	0.273
	R1	0105 28 34	41	42	36	11	0.282

Metric taper threads or Briggs (NPT threads) are available by special order, subject to minimum quantities.

0105 Stud Fitting, Male NPT Thread

Brass



ØD	C		F	F1	H max	H1	Kg
6	NPT1/8	0105 06 11	11	13	18	7.5	0.018
	NPT1/4	0105 06 14	14	13	18	7.5	0.027
8	NPT1/8	0105 08 11	13	14	21	7	0.021
	NPT1/4	0105 08 14	14	14	18.5	7	0.026
	NPT1/2	0105 10 14	17	19	24	9	0.047
10	NPT3/8	0105 10 18	17	19	24	9	0.047
	NPT1/2	0105 10 22	22	19	25	10	0.066

0101 Stud Fitting with Captive Sealing Washer, Male BSPP and Metric Thread

Brass, technical polymer



20 bar

ØD	C		E	F	F1	H max	H1	Kg
4	M5x0.8	0101 04 19	5	10	10	16.5	8	0.011
	G1/8	0101 04 10	6.5	13	10	16.5	8	0.016
5	G1/8	0101 05 10	6.5	13	12	17.5	8.5	0.019
6	G1/8	0101 06 10	6.5	13	13	18	8.5	0.020
	G1/4	0101 06 13	8	17	13	18	9.5	0.030
8	G1/8	0101 08 10	6.5	13	14	19	8.5	0.021
	G1/4	0101 08 13	8	17	14	19.5	9	0.031
10	G3/8	0101 08 17	11	22	14	20	10.5	0.043
	G1/4	0101 10 13	8	17	19	24	11	0.048
12	G3/8	0101 10 17	11	22	19	24	11.5	0.061
	G1/4	0101 12 13	8	19	22	24	11	0.061
14	G3/8	0101 12 17	11	22	22	24	11.5	0.069
	G1/2	0101 12 21	12	27	22	24	12	0.089
16	G3/8	0101 14 17	11	22	24	25	10.5	0.075
	G1/2	0101 14 21	12	27	24	25	11	0.093
18	G3/8	0101 15 17	11	22	24	25	10.5	0.071
	G1/2	0101 15 21	12	27	24	25	11	0.093
20	G3/8	0101 16 17	11	22	27	27	12	0.092
	G1/2	0101 16 21	12	27	27	27	12.5	0.110
22	G1/2	0101 18 21	12	27	30	29.5	12.5	0.131
	G3/4	0101 18 27	13	32	30	29.5	13	0.154
24	G3/4	0101 20 27	13	32	32	31	13	0.166
	G3/4	0101 22 27	13	32	36	32	13	0.197
26	G1	0101 22 34	15	41	36	31	13.5	0.259
	G1	0101 28 34	15	41	42	35.5	13.5	0.300

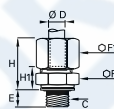
With pre-assembled polyamide washer

Sealing washers 0602 can be found in the sub-chapter "Adaptors and Manifolds".

Brass Compression Fittings / Stud Fittings

0101..39 Stud Fitting, with Bi-Material Seal, Male BSPP Thread

Brass, zinc plated steel with NBR seal



250 bar

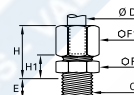
ØD	C		E	F	F1	H max	H1	Kg
4	G1/8	0101 04 10 39	5.5	13	10	17.5	9	0.016
5	G1/8	0101 05 10 39	5.5	13	12	18.5	9.5	0.019
6	G1/8	0101 06 10 39	5.5	13	13	19	9.5	0.020
	G1/4	0101 06 13 39	7	17	13	19	10.5	0.030
8	G1/8	0101 08 10 39	5.5	13	14	20	9.5	0.022
	G1/4	0101 08 13 39	7	17	14	20.5	10	0.031
10	G3/8	0101 08 17 39	9.5	22	14	21.5	12	0.045
	G1/4	0101 10 13 39	7	17	19	25	12	0.048
12	G3/8	0101 10 17 39	9.5	22	19	25.5	13	0.062
	G1/4	0101 12 13 39	7	19	22	25	12	0.062
14	G3/8	0101 12 17 39	9.5	22	22	25	13	0.071
	G1/2	0101 12 21 39	10.5	27	22	25	13.5	0.091
16	G3/8	0101 14 17 39	9.5	22	24	26.5	12	0.074
	G1/2	0101 14 21 39	10.5	27	24	26.5	12.5	0.094
18	G3/8	0101 15 17 39	9.5	22	24	26.5	12	0.071
	G1/2	0101 15 21 39	10.5	27	24	26.5	12.5	0.094
20	G3/8	0101 16 17 39	9.5	22	27	28.5	13.5	0.093
	G1/2	0101 16 21 39	10.5	27	27	28.5	14	0.111
22	G1/2	0101 18 21 39	10.5	27	30	31	14	0.131
	G3/4	0101 18 27 39	11.5	32	30	31	14.5	0.156
24	G3/4	0101 20 27 39	11.5	32	32	32.5	14.5	0.167
	G1	0101 22 27 39	11.5	32	36	32.5	14.5	0.200
26	G1	0101 22 34 39	13	41	36	33	15.5	0.261
	G1	0101 28 34 39	13	41	42	37.5	15.5	0.301

Thread with bi-material seal

Bi-material sealing washers, part number 0139, can be found in the sub-chapter "Adaptors and Manifolds".

0101 Stud Fitting, Male Metric Thread

Brass

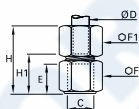


ØD	C		E	F	F1	H max	H1	Kg
4	M7x1	0101 04 55	6.5	10	10	16.5	7.5	0.012
	M8x1	0101 04 56	6.5	11	10	16.5	7.5	0.013
5	M8x1	0101 05 56	6.5	11	12	17.5	8	0.016
	M10x1	0101 05 60	6.5	14	12	17.5	8.5	0.020
6	M10x1	0101 06 60	6.5	14	13	18	8.5	0.021
	M10x1.5	0101 06 62	6.5	14	13	18	8.5	0.021
8	M12x1	0101 08 65	8	17	14	19.5	9	0.029
	M12x1.25	0101 08 66	8	17	14	19.5	9	0.029
10	M13x1.25	0101 08 68	8	17	14	19.5	9	0.030
	M14x1.25	0101 10 70	8	17	19	24	11	0.047
12	M14x1.5	0101 10 71	8	17	19	24	11	0.047
	M16x1.25	0101 10 74	9	19	19	24	11	0.052
14	M16x1.5	0101 10 75	9	19	19	24	11	0.051
	M18x1.5	0101 10 78	9	22	19	24	11.5	0.059
16	M16x1.5	0101 12 75	9	19	22	24	11	0.061
	M18x1.5	0101 12 78	9	22	22	24	11.5	0.070
18	M18x1.5	0101 14 78	9	22	24	25	10.5	0.073
	M20x1.5	0101 14 80	10	24	24	25	11	0.084
20	M20x1.5	0101 16 80	10	24	27	27	12.5	0.103
	M22x1.5	0101 16 82	10	27	27	27	12.5	0.112
22	M22x1.5	0101 18 82	10	27	30	29.5	12.5	0.131

Brass Compression Fittings / Stud Fittings

0114 Stud Fitting, Female BSPP Thread

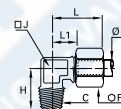
Brass



ØD	C		E	F	F1	H max	H1	Kg
4	G1/8	0114 04 10	9.5	14	10	26	16.5	0.020
	G1/4	0114 04 13	13.5	17	10	30	20.5	0.030
5	G1/8	0114 05 10	9.5	14	12	28	17	0.024
	G1/4	0114 05 13	13.5	17	12	31	21	0.032
6	G1/8	0114 06 10	9.5	14	13	28	17	0.025
	G1/4	0114 06 13	13.5	17	13	32	21	0.034
8	G3/8	0114 06 17	14	22	13	32	21.5	0.051
	G1/8	0114 08 10	9.5	14	14	29	16.5	0.026
8	G1/4	0114 08 13	13.5	17	14	33	20.5	0.035
	G3/8	0114 08 17	14	22	14	34	21	0.052
10	G1/4	0114 10 13	13.5	17	19	37	21.5	0.052
	G3/8	0114 10 17	14	22	19	37	22	0.069
10	G1/2	0114 10 21	18.5	27	19	42	26.5	0.099
	G1/4	0114 12 13	13.5	19	22	36	20.5	0.068
12	G3/8	0114 12 17	14	22	22	37	22	0.078
	G1/2	0114 12 21	18.5	27	22	42	26.5	0.109
14	G1/4	0114 14 13	13.5	22	24	36	18.5	0.084
	G3/8	0114 14 17	14	22	24	38	21	0.081
14	G1/2	0114 14 21	18.5	27	24	43	25.5	0.111
	G3/8	0114 15 17	14	22	24	38	21	0.077
15	G1/2	0114 15 21	18.5	27	24	43	25.5	0.109
	G1/4	0114 16 13	13.5	24	27	36	18	0.109
16	G3/8	0114 16 17	14	24	27	38	20.5	0.108
	G1/2	0114 16 21	18.5	27	27	44	26	0.129
18	G3/8	0114 18 17	14	27	30	39	19.5	0.141
	G1/2	0114 18 21	18.5	27	30	45	26	0.146
20	G3/4	0114 18 27	19.5	32	30	46	27	0.165
	G1/2	0114 20 21	18.5	30	32	44.5	24	0.173
20	G3/4	0114 20 27	19.5	32	32	47	26.5	0.174
	G3/4	0114 22 27	19.5	32	36	48	26.5	0.204

0109 Stud Elbow, Male BSPT Thread

Brass

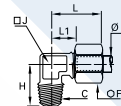


ØD	C		F	H	J	L max	L1	Kg
4	R1/8	0109 04 10	10	17	8	19	9.5	0.016
	R1/4	0109 04 13	10	20	10	19	11	0.025
5	R1/8	0109 05 10	12	17.5	8	21	11	0.019
	R1/4	0109 05 13	12	21.5	10	22	12	0.029
6	R1/8	0109 06 10	13	18	8	22	11	0.021
	R1/4	0109 06 13	13	21.5	10	22	12	0.030
8	R1/8	0109 08 10	14	18.5	10	28	15	0.028
	R1/4	0109 08 13	14	22	10	28	15	0.033
8	R3/8	0109 08 17	14	24	12	28	15	0.044
	R1/4	0109 10 13	19	25	12	30	14.5	0.053
10	R3/8	0109 10 17	19	25.5	12	30	14.5	0.059
	R1/2	0109 10 21	19	32	19	36	21	0.108
12	R1/4	0109 12 13	22	26	15	30	15	0.073
	R3/8	0109 12 17	22	27	15	30	15	0.077
14	R1/2	0109 12 21	22	32	19	36	21	0.114
	R3/8	0109 14 17	24	30	19	35	18	0.104
14	R1/2	0109 14 21	24	32	19	35	18	0.112
15	R3/8	0109 15 17	24	30	19	35	18	0.101
	R1/2	0109 15 21	24	32	19	35	18	0.107
16	R3/8	0109 16 17	27	30	19	39	21	0.122
	R1/2	0109 16 21	27	33.5	19	39	21	0.132
18	R3/4	0109 16 27	27	36.5	23	41	23	0.189
	R1/2	0109 18 21	30	35.5	23	41	21.5	0.181
20	R3/4	0109 18 27	30	36.5	23	41	21.5	0.197
	R1/2	0109 20 21	32	36.5	23	42	21.5	0.186
22	R3/4	0109 20 27	32	38	23	42	21.5	0.203
	R3/4	0109 22 27	36	40	27	50	30	0.293
22	R1	0109 22 34	36	44	27	50	30	0.332
	R1	0109 25 34	41	44	27	54	30	0.370
28	R1	0109 28 34	42	48	32	54	30	0.378

Metric taper threads or Briggs (NPT threads) are available by special order, subject to minimum quantities.

0109 Stud Elbow, Male NPT Thread

Brass

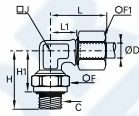


ØD	C		F	H	J	L max	L1	Kg
6	NPT1/8	0109 06 11	13	18	8	22	11	0.021
	NPT1/4	0109 06 14	13	21.5	10	22	12	0.030
8	NPT1/8	0109 08 11	14	18.5	10	28	15	0.027
	NPT1/4	0109 08 14	14	22	10	28	15	0.032
10	NPT1/4	0109 10 14	19	25	12	30	14.5	0.054

Brass Compression Fittings / Stud Fittings

0199 Stud Orientable Elbow, Male BSPP Thread

Brass, NBR



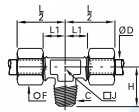
20 bar

ØD	C	F	F1	H	H1	H1 max	J	L max	L1	Kg
4	G1/8 0199 04 10	14	10	23	16	17	8	19	9.5	0.022
	G1/4 0199 04 13	19	10	30.5	22	23.5	10	19	11	0.043
6	G1/8 0199 06 10	14	13	23	16	17	8	22	11	0.027
	G1/4 0199 06 13	19	13	30.5	22	23.5	10	22	12	0.047
8	G1/8 0199 08 13	14	14	24	17	18	10	28	15	0.034
	G1/4 0199 08 13	19	14	30.5	22	23.5	10	28	15	0.050
10	G3/8 0199 08 17	22	14	33.5	24	25.5	12	28	15	0.065
	G1/4 0199 10 13	19	19	31	22.5	24	12	30	14.5	0.067
14	G3/8 0199 10 17	22	19	33.5	24	25.5	12	30	14.5	0.079
	G1/2 0199 10 21	27	19	40	29.5	31	19	37	22	0.136
18	G3/8 0199 14 17	22	24	35.5	26	27.5	19	35	18	0.115
	G1/2 0199 14 21	27	24	40	29.5	31	19	35	18	0.138
22	G1/2 0199 18 21	27	30	40	29	30.5	23	41	21.5	0.193
	G3/4 0199 18 27	32	30	43.5	32	33.5	23	41	21.5	0.224
22	G3/4 0199 22 27	32	36	45.5	34	36	32	51	31	0.381
	G1 0199 22 34	41	36	54	40.5	43	32	51	31	0.414

The body will orientate for positioning purposes.

0108 Stud Branch Tee, Male BSPT Thread

Brass

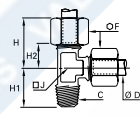


ØD	C	F	H	J	L/2	L1	Kg
4	R1/8 0108 04 10	10	17	8	19	9.5	0.025
	R1/8 0108 06 10	13	18	8	22	11	0.033
6	R1/4 0108 06 13	13	21.5	10	27	16	0.047
	R1/8 0108 08 10	14	18.5	10	28	15	0.045
8	R1/4 0108 08 13	14	22	10	28	15	0.048
	R3/8 0108 08 17	14	24	12	28	15	0.062
10	R1/4 0108 10 13	19	25	12	30	14.5	0.085
	R3/8 0108 10 17	19	25.5	12	30	14.5	0.092
12	R1/4 0108 12 13	22	26	15	30	15	0.114
	R3/8 0108 12 17	22	27	15	30	15	0.118
14	R3/8 0108 14 17	24	30	19	35	18	0.158
	R1/2 0108 14 21	24	32	19	35	18	0.169
16	R3/8 0108 16 17	27	30	19	39	21	0.192
	R1/2 0108 16 21	27	33.5	19	39	21	0.206
18	R1/2 0108 18 21	30	35.5	23	41	21.5	0.273
20	R3/4 0108 20 27	32	38	23	42	21.5	0.301
22	R3/4 0108 22 27	36	40	27	50	29	0.433

Metric taper threads or Briggs (NPT threads) are available by special order, subject to minimum quantities.

0103 Stud Run Tee, Male BSPT Thread

Brass

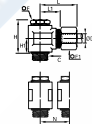


ØD	C	F	H max	H1	H2	J	Kg
4	R1/8 0103 04 10	10	19	17	9.5	8	0.025
	R1/8 0103 06 10	13	22	18	11	8	0.033
6	R1/4 0103 06 13	13	27	21.5	16	10	0.048
	R1/4 0103 08 13	14	28	22	15	10	0.050
10	R1/4 0103 10 13	19	30	25	14.5	12	0.085
12	R1/4 0103 12 13	22	30	26	15	15	0.114

Metric taper threads or Briggs (NPT threads) are available by special order, subject to minimum quantities.

0118..39 Single Banjo with Bi-Material Seal, Male BSPP Thread

Brass, zinc plated steel with NBR seal



250 bar

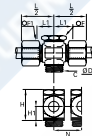
ØD	C	F	F1	H	H1	L max	L1	N	Kg
4	G1/8 0118 04 10 39	14	10	23	9.5	24	14.5	17.5	0.040
5	G1/8 0118 05 10 39	14	12	23	9.5	25	14.5	17.5	0.042
6	G1/8 0118 06 10 39	14	13	23	9.5	25	14.5	17.5	0.043
	G1/4 0118 06 13 39	17	13	24	10	26	16	21	0.058
8	G1/8 0118 08 10 39	14	14	23	9.5	28	15.5	17.5	0.055
	G1/4 0118 08 13 39	17	14	24	10	28	15.5	21	0.059
10	G3/8 0118 08 17 39	22	14	31.5	13.5	30	18	26.5	0.113
	G1/4 0118 10 13 39	17	19	30	13	34	19	23	0.118
12	G3/8 0118 10 17 39	22	19	31.5	13.5	34	19	26.5	0.128
	G1/4 0118 12 13 39	17	22	33	14.5	34	19	23	0.128
14	G3/8 0118 12 17 39	22	22	34.5	15	34	19	26.5	0.137
	G1/4 0118 14 13 39	17	24	36	16	37	20.5	28	0.190
16	G3/8 0118 14 17 39	22	24	37.5	16.5	37	20.5	28	0.196
	G1/2 0118 14 21 39	27	24	39	16.5	38	20.5	32.5	0.207
15	G1/2 0118 15 21 39	27	24	40	16.5	38	20.5	32.5	0.202
16	G1/2 0118 16 21 39	27	27	40	16.5	38	21	32.5	0.225
18	G1/2 0118 18 21 39	27	30	47	20	43	24.5	36	0.372
22	G3/4 0118 22 27 39	32	36	54	22.5	45	24.5	39	0.467

With bi-material sealing washer

The bi-material sealing washers, part number 0139, can be found in the sub-chapter "Adaptors and Manifolds".

0119 Double Banjo with Captive Sealing Washer, Male BSPP Thread

Brass, technical polymer



20 bar

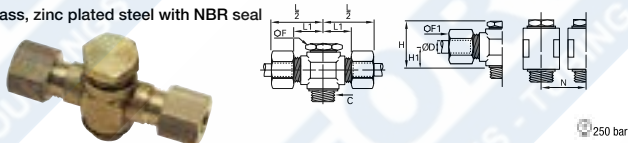
ØD	C	F	F1	H	H1	L/2	L1	N	Kg
8	G1/4 0119 08 13	17	14	25	10	28	15.5	21	0.075
	G3/8 0119 08 17	22	14	32	13	30.5	18	26.5	0.135

Thread with pre-assembled washer

Sealing washers 0602 can be found in the sub-chapter "Adaptors and Manifolds".

0119..39 Double Banjo with Bi-Material Seal, Male BSPP Thread

Brass, zinc plated steel with NBR seal



ØD	C		F	F1	H	H1	L/2	L1	N	Kg
4	G1/8	0119 04 10 39	14	10	23	9.5	24	14.5	17.5	0.050
6	G1/8	0119 06 10 39	14	13	23	9.5	25	14.5	17.5	0.055
8	G1/8	0119 08 10 39	14	14	23	9.5	28	15.5	17.5	0.072
	G1/4	0119 08 13 39	17	14	24	10	28	15.5	21	0.076
10	G1/4	0119 10 13 39	17	19	30	13	34	19	23	0.156
12	G1/4	0119 12 13 39	17	22	33	14.5	34	19	23	0.180
14	G1/2	0119 14 21 39	27	24	39	16.5	38	20.5	32.5	0.256

Thread with pre-assembled washer
Bi-material sealing washers, part number 0139, can be found in the sub-chapter "Adaptors and Manifolds".

Customised Fittings

Working directly with its customers and based on its knowledge and experience, Parker Legris can design customised brass compression fittings for specific requirements using the customer's specifications.

The range of compression fittings also offers nickel chemical surface treatment in order to improve the corrosion resistance and chemical compatibility of the fittings (the model number of the fitting is then given the suffix 99).

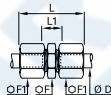
The above recommendations are given in good faith. However, since each application is different, it is advisable to undertake tests in actual working conditions.



Brass Compression Fittings / Tube-to-Tube Fittings

0106 Equal Tube-to-Tube Connector

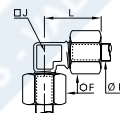
Brass



ØD		F	F1	L max	L1	Kg
4	0106 04 00	10	10	28	10	0.016
5	0106 05 00	11	12	31	11	0.023
6	0106 06 00	11	13	32	11	0.026
8	0106 08 00	13	14	36	10	0.031
10	0106 10 00	17	19	42	13	0.070
12	0106 12 00	19	22	42	13	0.091
14	0106 14 00	22	24	45	11	0.103
15	0106 15 00	22	24	45	11	0.096
16	0106 16 00	24	27	48	13	0.145
18	0106 18 00	27	30	53	14	0.190
20	0106 20 00	30	32	56	14	0.217
22	0106 22 00	32	36	60	14	0.281
28	0106 28 00	41	42	64	14	0.398

0102 Equal Elbow

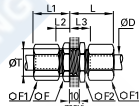
Brass



ØD		F	J	L max	Kg
4	0102 04 00	10	5	19	0.017
5	0102 05 00	12	8	21	0.025
6	0102 06 00	13	8	22	0.027
8	0102 08 00	14	10	28	0.038
10	0102 10 00	19	12	30	0.072
12	0102 12 00	22	15	30	0.097
14	0102 14 00	24	19	35	0.133
15	0102 15 00	24	19	35	0.122
16	0102 16 00	27	19	39	0.168
18	0102 18 00	30	23	41	0.236
20	0102 20 00	32	23	42	0.238
22	0102 22 00	36	27	50	0.375
28	0102 28 00	42	32	54.5	0.473

0116 Equal Bulkhead Connector

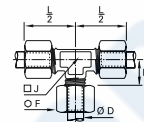
Brass



ØD		F	F1	F2	L max	L1 max	L2	L3	ØT min	Kg
4	0116 04 00	10	10	13	27	17	7	17	8.3	0.024
5	0116 05 00	13	12	14	28	18	7.5	17.5	10.3	0.035
6	0116 06 00	13	13	14	28	19	7.5	17.5	10.3	0.037
8	0116 08 00	14	14	17	29	20	7	17	12.3	0.045
10	0116 10 00	19	19	22	33	25	9	19	16.5	0.100
12	0116 12 00	22	22	22	33	25	9	19	18.5	0.121
14	0116 14 00	24	24	24	35	25	8	18	20.5	0.143
15	0116 15 00	24	24	24	35	25	8	18	20.5	0.134
16	0116 16 00	27	27	27	36	28	9.5	19.5	22.5	0.192
18	0116 18 00	27	30	30	40	30	10.5	20.5	24.5	0.238
20	0116 20 00	32	30	32	41	31	11	21	27.5	0.275
22	0116 22 00	36	36	36	42	32	11	21	30.5	0.379

0104 Equal Tee

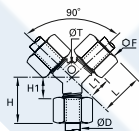
Brass



ØD		F	H	J	L/2	Kg
4	0104 04 00	10	9.5	8	19	0.029
5	0104 05 00	12	11	8	21	0.037
6	0104 06 00	13	11	8	22	0.040
8	0104 08 00	14	15	10	28	0.054
10	0104 10 00	19	14.5	12	30	0.104
12	0104 12 00	22	15	15	30	0.140
14	0104 14 00	24	18	19	35	0.190
15	0104 15 00	24	18	19	35	0.171
16	0104 16 00	27	21	19	39	0.245
18	0104 18 00	30	21.5	23	41	0.328
20	0104 20 00	32	21.5	23	42	0.336
22	0104 22 00	36	29	27	50	0.520

0142 Equal Y Piece with Mounting Boss

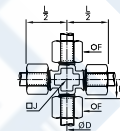
Brass



ØD		F	H max	H1	L max	L1	ØT	Kg
4	0142 04 00	10	16.5	7	26.5	17	4.2	0.031
6	0142 06 00	13	19.5	8.5	28	17	4.2	0.047
8	0142 08 00	14	21	8	30	17	6.2	0.059

0107 Equal Cross

Brass

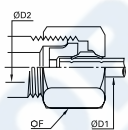


ØD		F	H	J	L/2	Kg
6	0107 06 00	13	11	8	22	0.052
8	0107 08 00	14	15	11	28	0.073
10	0107 10 00	19	14.5	14	30	0.141
12	0107 12 00	22	15	15	35	0.231
14	0107 14 00	24	18	20	35	0.244

Brass Compression Fittings / Complementary Fittings

0166 3-Piece Reducer

Brass



ØD1	ØD2		F	Kg
4	6	0166 04 06	13	0.011
5	6	0166 05 06	13	0.010
6	8	0166 06 08	14	0.012
6	10	0166 06 10	19	0.030
6	12	0166 06 12	22	0.043
6	14	0166 06 14	24	0.052
6	16	0166 06 16	27	0.077
8	10	0166 08 10	19	0.027
8	12	0166 08 12	22	0.040
8	14	0166 08 14	24	0.050
8	16	0166 08 16	27	0.076
10	12	0166 10 12	22	0.037
10	14	0166 10 14	24	0.045
10	16	0166 10 16	27	0.069
10	18	0166 10 18	30	0.096
10	20	0166 10 20	32	0.107
10	22	0166 10 22	36	0.146
12	16	0166 12 16	27	0.066
12	22	0166 12 22	36	0.142
14	16	0166 14 16	27	0.060
14	18	0166 14 18	30	0.084
14	25	0166 14 25	41	0.189
16	20	0166 16 20	32	0.086
16	22	0166 16 22	36	0.125
18	22	0166 18 22	36	0.118
20	25	0166 20 25	41	0.168

ØD1: tube to be fitted

ØD2: for a x mm fitting

Each of the above part numbers comprises:

- a reduction piece
- an olive, PN 0124
- a sleeve nut

0124 Brass Olive

Brass



ØD		Kg
4	0124 04 00	0.001
5	0124 05 00	0.001
6	0124 06 00	0.001
8	0124 08 00	0.001
10	0124 10 00	0.003
12	0124 12 00	0.004
14	0124 14 00	0.005
15	0124 15 00	0.004
16	0124 16 00	0.006
18	0124 18 00	0.007
20	0124 20 00	0.009
22	0124 22 00	0.012
25	0124 25 00	0.016
28	0124 28 00	0.017

0124..40 Steel Olive

Zinc-plated steel



ØD		Kg
4	0124 04 00 40	0.001
5	0124 05 00 40	0.001
6	0124 06 00 40	0.001
8	0124 08 00 40	0.001
10	0124 10 00 40	0.003
12	0124 12 00 40	0.004
14	0124 14 00 40	0.005
15	0124 15 00 40	0.004
16	0124 16 00 40	0.006
18	0124 18 00 40	0.007
20	0124 20 00 40	0.008
22	0124 22 00 40	0.010
25	0124 25 00 40	0.014

0111 BNA* Brass Olive

Brass



ØD		Kg
4	0111 04 00	0.001
5	0111 05 00	0.001
6	0111 06 00	0.001
8	0111 08 00	0.001
10	0111 10 00	0.002
12	0111 12 00	0.002
14	0111 14 00	0.003
15	0111 15 00	0.003
16	0111 16 00	0.004

*Bureau de Normalisation de l'Automobile

0110 Brass Nut

Brass



ØD	C		F	L	Kg
4	M8x1	0110 04 00	10	11	0.004
5	M10x1	0110 05 00	12	11	0.006
6	M10x1	0110 06 00	13	11	0.008
8	M12x1	0110 08 00	14	13	0.008
10	M16x1.5	0110 10 00	19	15	0.019
12	M18x1.5	0110 12 00	22	15	0.025
14	M20x1.5	0110 14 00	24	15	0.029
15	M20x1.5	0110 15 00	24	15	0.028
16	M22x1.5	0110 16 00	27	17	0.044
18	M24x1.5	0110 18 00	30	18	0.059
20	M27x1.5	0110 20 00	32	18	0.059
22	M30x1.5	0110 22 00	36	19	0.081
25	M33x1.5	0110 25 00			0.131
28	M36x1.5	0110 28 00			0.108

Brass Compression Fittings / Complementary Fittings

0110..40 Steel Nut

Zinc-plated steel



ØD	C		F	L	Kg
4	M8x1	0110 04 00 40	10	11	0.004
6	M10x1	0110 06 00 40	13	12	0.008
8	M12x1	0110 08 00 40	14	13.5	0.008
10	M16x1.5	0110 10 00 40	19	16	0.018
12	M18x1.5	0110 12 00 40	22	16.5	0.026
16	M22x1.5	0110 16 00 40	27	18	0.042
18	M24x1.5	0110 18 00 40	30	19	0.057
22	M30x1.5	0110 22 00 40	36	21.5	0.084

0110..60 Brass Long Nut

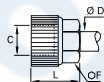
Brass



ØD	C		F	L	Kg
4	M8x1	0110 04 00 60	11	14.5	0.007
6	M10x1	0110 06 00 60	13	17.5	0.011
8	M12x1	0110 08 00 60	16	20	0.018
10	M16x1.5	0110 10 00 60	20	23	0.032
12	M18x1.5	0110 12 00 60	22	25	0.038

0110..70 Technical Polymer Nut-Olive

Technical polymer



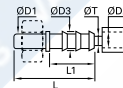
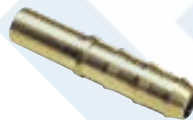
10 bar

ØD	C		F	L	Kg
4	M8x1	0110 04 00 70	8	13	0.001
6	M10x1	0110 06 00 70	11	15	0.002

NB: polymer nut-olives should not be used on metal tubes.

0122 Barb Connector for Hose

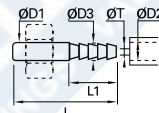
Brass



ØD1	ØD2	ØD3		L	L1	ØT min	Kg
4	4	6	0122 04 04	37.5	22.5	3	0.004
6	4	6	0122 06 04	37.5	22.5	3	0.005
	7	9	0122 06 07	37.5	22.5	6	0.007
8	6	8	0122 08 06	40	22.5	5	0.007
	7	9	0122 08 07	40	22.5	6	0.008
10	10	12.5	0122 08 10	40	22.5	9	0.012
	7	9	0122 10 07	43	22.5	6	0.010
12	10	12.5	0122 10 10	43	22.5	9	0.014
	10	12.5	0122 12 10	43	22.5	9	0.013
14	13	15	0122 12 13	50	29.5	12	0.018
	13	15	0122 14 13	52	29.5	12	0.019
16	16	18.5	0122 14 16	60.5	38	15	0.031
	13	15	0122 15 13	52	29.5	12	0.019
18	16	18.5	0122 15 16	60.5	38	15	0.032
	13	15	0122 16 13	53.5	29.5	12	0.021
20	16	18.5	0122 16 16	62	38	15	0.032
	16	18.5	0122 18 16	62	38	15	0.031
22	19	21.5	0122 18 19	62	38	18	0.040
	16	18.5	0122 20 16	64	38	15	0.034
25	19	21.5	0122 20 19	64	38	18	0.039
	19	21.5	0122 22 19	64	38	18	0.041
	19	21.5	0122 25 19	70	38	18	0.048
	25	27.5	0122 25 25	70	38	24	0.054

0165 Barb Connector for Flexible Tubing

Brass



ØD1	ØD2	ØD3		L	L1	ØT min	Kg
4	4	4.3	0165 04 06	30	15	2	0.002
5	4	4.3	0165 05 06	30	15	2	0.003
	4	4.3	0165 06 06	30	15	2	0.003
6	6	6.4	0165 06 08	30	15	4	0.004
	8	8.4	0165 06 10	30	15	4	0.005
8	6	6.4	0165 08 08	32.5	15	4	0.006
	8	8.4	0165 08 10	32.5	15	6	0.006
10	10	10.7	0165 08 12	37.5	20	8	0.009
	8	8.4	0165 10 10	35.5	15	6	0.008
12	10	10.7	0165 10 12	40.5	20	8	0.010
	12	12.7	0165 10 14	40.5	20	8	0.012
14	10	10.7	0165 12 12	40.5	20	8	0.011
	12	12.7	0165 12 14	40.5	20	10	0.013
15	12	12.7	0165 14 14	42.5	20	10	0.015
	13	13.7	0165 15 16	42.5	20	11	0.015
16	13	13.7	0165 16 16	44	20	11	0.018

Brass Compression Fittings / Complementary Fittings

0126 Plug for Compression Fitting

Brass



ØD		L	Kg
4	0126 04 00	10	0.002
6	0126 06 00	10	0.003
8	0126 08 00	11.5	0.006
10	0126 10 00	13	0.010
12	0126 12 00	13	0.014
14	0126 14 00	13.5	0.020
18	0126 18 00	16	0.038
22	0126 22 00	18	0.003

The plug is used to blank off an outlet in a compression fitting, replacing the olive.
When an open outlet is required, simply dismantle and replace the plug with the tube olive, reusing the nut.
The plug is also reusable.

0125 Tube End Plug for Compression Fitting

Brass

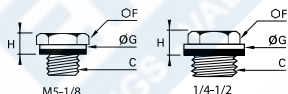


ØD	C		F	L	L1	Kg
4	M8x1	0125 04 00	10	12	8	0.005
6	M10x1	0125 06 00	11	13.5	9.5	0.008
8	M12x1	0125 08 00	14	14	9	0.013
10	M16x1.5	0125 10 00	17	18	11	0.025

This plug enables unused tubes to be blanked off.
The male thread on the plug has the same pitch as the female thread on the sleeve nut of a standard Parker Legris fitting.
Therefore the plug screwed into the sleeve nut blanks off the tube.
To reopen the passage, simply unscrew the plug and fit the required coupler.
No further treatment of the tube is required.

0220 Hex Head Plug, Male BSPP and Metric Thread

Brass, technical polymer

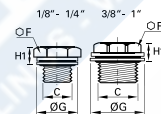


C		F	G	H1	Kg
M5x0.8	0220 19 00	8	8	5	0.002
G1/8	0220 10 00	14	14	7.5	0.011
G1/4	0220 13 00	17	17	7.5	0.020
G3/8	0220 17 00	17	22	8.5	0.024
G1/2	0220 21 00	22	27	10	0.041

Thread with pre-assembled sealing washer
M5: with screwdriver slot for tightening
Maximum allowable working pressure = 20 bar
Conforms to BNA 229 (with the exception of M5 model), BSPP thread, ISO ISO 228-1, Parallel metric thread, ISO NFE 03-054.

0220..39 Hex Head Plug with Bi-Material Seal, Male BSPP Thread

Brass, zinc plated steel with NBR seal



C		F	G	H	Kg
G1/8	0220 10 00 39	14	14	6.5	0.012
G1/4	0220 13 00 39	17	17	6.5	0.020
G3/8	0220 17 00 39	17	22	8	0.025
G1/2	0220 21 00 39	22	26	9	0.042
G3/4	0220 27 00 39	22	32	10	0.059
G1	0220 34 00 39	27	39.5	10.5	0.088

Plug with bi-material seal
Bi-material washers part number 0139 can be found in sub-chapter "Adaptors and Manifolds".
Part Number with suffix 39, maximum allowable working pressure: 250 bar

0120 Stud Standpipe, Male BSPT Thread

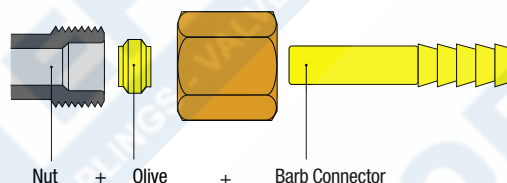
Brass



ØD	C		F	L	L1	Kg
4	R1/8	0120 04 10	11	25.5	14	0.007
5	R1/8	0120 05 10	11	26	14.5	0.007
6	R1/8	0120 06 10	11	26.5	15	0.008
	R1/4	0120 06 13	14	31	15	0.015
	R1/8	0120 08 10	11	28.5	17	0.009
8	R1/4	0120 08 13	14	33	17	0.016
	R3/8	0120 08 17	17	33.5	17	0.020
	R1/4	0120 10 13	14	36	20	0.017
10	R3/8	0120 10 17	17	36.5	20	0.022
	R1/2	0120 10 21	22	41	20	0.039
	R1/4	0120 12 13	14	36	20	0.017
12	R3/8	0120 12 17	17	36.5	20	0.022
	R1/2	0120 12 21	22	41	20	0.040
14	R3/8	0120 14 17	17	38	21.5	0.023
	R1/2	0120 14 21	22	42.5	21.5	0.042
15	R3/8	0120 15 17	17	38	21.5	0.023
	R1/2	0120 15 21	22	42.5	21.5	0.040
16	R3/8	0120 16 17	17	39.5	23	0.024
	R1/2	0120 16 21	22	44	23	0.042
18	R1/2	0120 18 21	22	44.5	23.5	0.042
	R3/4	0120 18 27	27	47.5	23.5	0.070
20	R3/4	0120 20 27	27	49	25	0.070
22	R3/4	0120 22 27	27	48.5	25.5	0.067
	R1	0120 22 34	36	52.5	25.5	0.117
28	R1	0120 28 34	36	57	30	0.140

Assembly: Barb Connectors

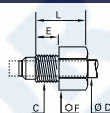
Our barb connectors 0122 and 0165 are designed to be used with different types of hose. They are secured using the nut and olive provided with the fitting.



Brass Compression Fittings / Complementary Fittings

0112 Sleeve Nut for Compression Fitting, Male Metric Thread

Brass



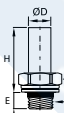
ØD	C		E	F	L	Kg
4	M8x1	0112 04 00	7	10	13	0.005
5	M10x1	0112 05 00	7.5	11	13.5	0.007
6	M10x1	0112 06 00	7.5	11	13.5	0.006
8	M12x1	0112 08 00	8	13	15	0.008
10	M16x1.5	0112 10 00	11	17	18	0.018
12	M18x1.5	0112 12 00	11	19	18	0.021
14	M20x1.5	0112 14 00	11	22	18	0.026

This product was designed to allow the tube to be fitted directly into the tapped port in a body using a standard Parker Legris olive.

For the corresponding drawings (cavity for Parker Legris olive), please consult us.

0128..39 Stud Standpipe with Bi-Material Seal, Male BSPP Thread

Brass, zinc plated steel with NBR seal

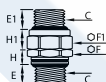


ØD	C		E	F	H	Kg
4	G1/8	0128 04 10 39	7.5	13	20	0.009
	G1/4	0128 04 13 39	9	17	22	0.015
6	G1/8	0128 06 10 39	7.5	13	21	0.010
	G1/4	0128 06 13 39	9	17	23	0.016
	G1/8	0128 08 10 39	7.5	13	23	0.011
	G1/4	0128 08 13 39	9	17	25	0.017
	G3/8	0128 08 17 39	12	22	26	0.033
	G1/4	0128 10 13 39	9	17	28	0.018
10	G3/8	0128 10 17 39	12	22	29	0.034
	G1/2	0128 10 21 39	27	27	30	0.049
	G3/8	0128 14 17 39	12	22	30.5	0.035
14	G1/2	0128 14 21 39	27	27	31.5	0.049
	G1/2	0128 18 21 39	27	27	33.5	0.051
18	G3/4	0128 18 27 39	14	32	34.5	0.085
	G3/4	0128 22 27 39	14	32	36.5	0.081
22	G1	0128 22 34 39	16.5	41	38	0.123
28	G1	0128 28 34 39	16.5	41	42.5	0.147

With bi-material seal. Bi-material washers part number 0139 can be found in sub-chapter "Adaptors and Manifolds"

0151..39 Straight Male Orientable Adaptor, with Bi-Material Seal, Male BSPP Thread

Brass, NBR, zinc plated steel with NBR seal

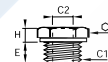


C		E	E1	F	F1	H	H1	Kg
G1/8	0151 10 10 39	5.5	7	13	14	6	6.5	0.017
G1/4	0151 13 13 39	7	8.5	17	19	6.5	9	0.036
G3/8	0151 17 17 39	9.5	9.5	22	22	9	9	0.056
G1/2	0151 21 21 39	10.5	10.5	27	27	10	10	0.082
G3/4	0151 27 27 39	11.5	11.5	32	32	11	10	0.122
G1	0151 34 34 39	13	13.5	41	41	12.5	10.5	0.217

With bi-material seal. Bi-material washers part number 0139 can be found in sub-chapter "Adaptors and Manifolds"

0168..39 Reducer, with Bi-Material Seal, Male BSPP Thread/Female BSPP and Metric Thread

Brass, zinc plated steel with NBR seal



C1	C2		E	F	H	Kg
G1/8	M5x0.8	0168 10 19 39	8	14	4.5	0.009
G1/4	M5x0.8	0168 13 19 39	8	17	5	0.018
G1/4	G1/8	0168 13 10 39	8	17	5	0.012
G3/8	G1/8	0168 17 10 39	10	19	5	0.020
G3/8	G1/4	0168 17 13 39	10	19	5	0.013
G1/2	G1/8	0168 21 10 39	12	24	7.5	0.053
G1/2	G1/4	0168 21 13 39	12	24	7.5	0.044
G1/2	G3/8	0168 21 17 39	12	24	7.5	0.031
G3/4	G1/4	0168 27 13 39	12	32	9.5	0.100
G3/4	G3/8	0168 27 17 39	12	32	9.5	0.086
G3/4	G1/2	0168 27 21 39	12	32	9.5	0.065

With bi-material seal. Bi-material washers part number 0139 can be found in sub-chapter "Adaptors and Manifolds"

0127 Brass Tube Support for Polymer Tubing

Brass



ØD1	ØD2		L	Kg
4	2	0127 04 00	11	0.001
		0127 04 25	413	0.001
4	2.7	0127 04 27	11	0.001
5	3	0127 05 03	11	0.001
5	3.3	0127 05 00	11.5	1.000
6	4	0127 06 00	11.5	0.001
8	5.5	0127 08 55	14	0.001
8	6	0127 08 00	14	0.001
10	7	0127 10 07	18	0.001
10	7.5	0127 10 75	18	0.001
10	8	0127 10 00	18	0.002
12	8	0127 12 08	26	0.002
12	9	0127 12 09	18	0.001
12	10	0127 12 00	18	0.001
14	11	0127 14 11	16	0.002
14	12	0127 14 00	18	0.003
15	12	0127 15 12	18	0.002
16	13	0127 16 13	18	0.003
18	14	0127 18 14	19.5	0.003
22	16	0127 22 16	21	0.005

This tube support guarantees good gripping, at high temperatures and pressures, by preventing collapsing of the tube.

Self-Fastening Hose Barb Connectors



This range of fittings is designed to meet the requirements of the automotive and robotics industries, combining as it does optimum CNOMO manufacturing quality, simple installation, reliable operation and a long service life.

Ø metric:
6 to 22 mm

Technical Characteristics

- **Compatible Fluids:** Coolants, compressed air
- **Working Pressure:** 0 to 16 bar
- **Working Temperature:** 0°C to +100°C (water)
-20°C to +70°C (air)

Tightening Torque, Type 0132	DN	6	8	10	14	18	22
	daN.m	0.7	1.5	1.8	3.5	6	7

Reliable performance is dependent upon the type of fluid conveyed and hose being used.

Advantages

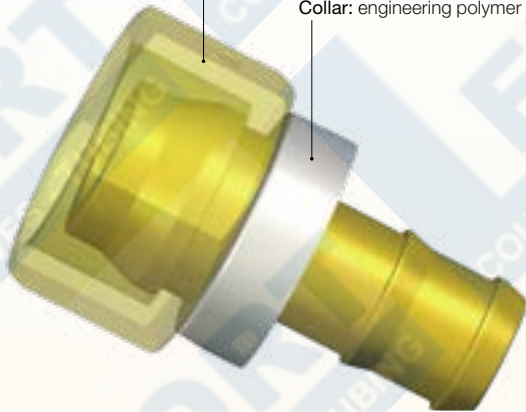
- Easy to use
- Spark resistant
- Economic and time saving solution
- Mechanical properties proven for use in industrial robotic installations

Component Materials

Silicone-free

Body: brass

Collar: engineering polymer



Self-Fastening Hose Assembly Machine

Machine designed to assemble a barb connector and a self-fastening NBR hose.
Machine part number:
0650 00 00 05



Tube Cutting and Positioning

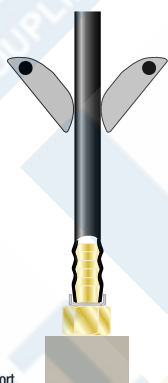
Cut the hose square and position the barb connector on the mounting tool.



Barb Connector Support

Press-Fitting the Tube

Activate the press-fit tool; connection is complete when the tube is fully home on the barb connector. This tool has been designed for use with 5 different diameters and is easy to operate.



Barb Connector Support

Regulations

- Industrial:
- RoHS
 - PED
 - REACH

Self-fastening NBR hose is selected by nominal diameter; for example:

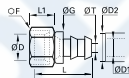
Barb Connector	O.D. (Tube)	Ø DN (Tube)	Self-Fastening NBR hose
0132 10 56	10	1/4	10..H 56...



Self-Fastening Hose Barb Connectors

0132 Self-Fastening Barb Connector for Brass Compression Fitting

Brass

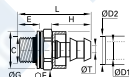


ØD	ØD1	ØD2		F	G	L	L1	GT	Kg
6	6.3	13	0132 06 56	12	16.5	32.5	12.5	4.8	0.010
8	6.3	13	0132 08 56	14	16.5	29.5	11.5	4.8	0.015
10	6.3	13	0132 10 56	19	16.5	30	14	4.8	0.028
	9.5	16	0132 10 60	19	19.5	34	14	7.5	0.030
14	9.5	16	0132 14 60	24	19.5	35.5	15	7.5	0.050
	12.7	19	0132 14 62	24	23.5	39.5	15	10	0.054
18	12.7	19	0132 18 62	30	23.5	41.5	17	10	0.090
	15.9	23	0132 18 66	30	27	50	17	13.5	0.090
22	19.1	27	0132 22 69	36	30.5	56.5	17	16	0.130

Polymer collar

0133..39 Self-Fastening Bar Connector with Bi-Material Seal, Male BSPP Thread

Brass, zinc plated steel with NBR seal



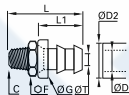
ØD1	ØD2	C		E	F	G	H	L	ØT	Kg
6.3	13	G1/8	0133 56 10 39	5.5	13	14	20	31.5	4.8	0.012
6.3	13	G1/4	0133 56 13 39	7	17	17	20	33.5	4.8	0.017
9.5	16	G1/4	0133 60 13 39	7	17	17	24	37.5	7.5	0.022
9.5	16	G3/8	0133 60 17 39	9.5	22	22	24	42.5	7.5	0.038
12.7	19	G3/8	0133 62 17 39	9.5	22	22	28	46.5	10	0.045
12.7	19	G1/2	0133 62 21 39	10.5	27	26	28	48.5	10	0.059
15.9	23	G1/2	0133 66 21 39	10.5	27	26	36.5	57	13.5	0.064
15.9	23	G3/4	0133 66 27 39	11.5	32	32	36.5	59	13.5	0.095
19.1	27	G3/4	0133 69 27 39	11.5	32	32	43	65.5	16	0.111

Thread with bi-material seal and polymer collar

Bi-material sealing washers part number 0139 can be found in the sub-chapter "Adaptors and Manifolds"

0134 Self-Fastening Barb Connector, Male BSPT Thread

Brass



ØD1	ØD2	C		F	G	L	L1	ØT	Kg
6.3	13	R1/8	0134 56 10	14	16.5	32.5	20	4.8	0.015
6.3	13	R1/4	0134 56 13	14	16.5	37	20	4.8	0.020
9.5	16	R1/4	0134 60 13	14	19.5	41	24	7.5	0.022
9.5	16	R3/8	0134 60 17	19	19.5	41.5	24	7.5	0.036
12.7	19	R3/8	0134 62 17	19	23.5	45.5	28	10	0.038
12.7	19	R1/2	0134 62 21	22	23.5	50	28	10	0.062
15.9	23	R1/2	0134 66 21	22	27	58.5	36.5	13.5	0.056
15.9	23	R3/4	0134 66 27	27	27	60.5	36.5	13.5	0.101
19.1	27	R3/4	0134 69 27	27	30.5	67	43	16	0.108

Polymer collar

Stainless Steel Compression Fittings / Stud Fittings



These "universal" compression fittings offer excellent resistance to environmental conditions and corrosive fluids. They are pressure and temperature-resistant and are able to withstand strong vibration and water hammer. Suitable for food fluids.

Ø metric:
6 to 16 mm

Technical Characteristics

- **Compatible Fluids:** Many fluids
- **Working Pressure:** Vacuum to 400 bar (80 bar in corrosive environments)
- **Working Temperature:** -60°C to +250°C with metal tubing

Tightening Torques

DN	6	8	10	12	16
daN.m	2	3	4	6.5	9.5

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

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

Thread sealing must be guaranteed by user.

Advantages

- Excellent sealing and retention of the tube
- Metallic sealing guarantees maximum service life
- Connection of different types of pipes and tubes: metal, polymers, steel, rubber,...
- No tube support required for rigid and semi-rigid polyamide tubing below 12 mm
- Connection of several pipe diameters thanks to the Parker Legris assembly reduction system
- Range of associated accessories in 316L stainless steel

Maximum Bore Diameters

The table below shows the recommended compatibility of tube size, BSPP male thread and maximum bore.

Tube O.D	BSPP Thread	Max. Bore
6	G1/8	4
6-8-10	G1/4	7
10-12	G3/8	11
16	G1/2	14

Tube Length for Assembly

Minimum length of tube (L) between 2 fittings.



ØD	L mm	ØD	L mm
4	26.5	10	39
6	26	12	39
8	32	16	46.5

The use of Parker Legris stainless steel compression fittings is dependant on the tube material. Tables of recommended working pressure for the different tubes are shown below.

Recommended Tube Type

Semi-rigid polyamide or fluoropolymer tube

Stainless steel tube

"Thin Wall" cold-drawn seamless, annealed and passivated:
wall thickness tolerance ± 0.1 mm.
For use with "thin wall" stainless steel tube from 6 mm to 16 mm O.D., maximum wall thickness 1 mm.

Recommended Tube/Fitting Assembly Configurations

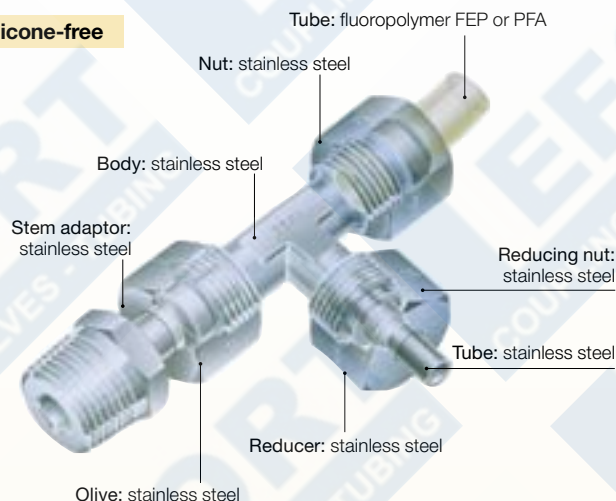
Assembled using Parker Legris olive and nut in stainless steel, with a tube support.

Stainless steel tube

Stainless steel tube: in cold-rolled straight lengths
Coiled annealed stainless tube: reduces working pressure by 35%; do not use if there is vibration.

Component Materials

Silicone-free



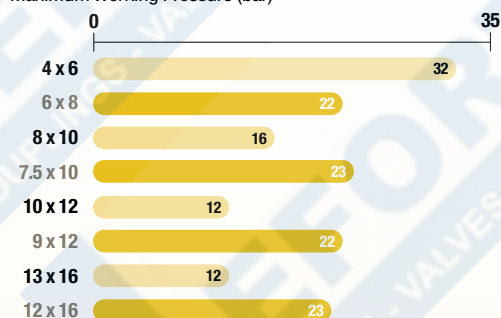
Regulations

- RoHS
- PED
- REACH
- 1935/2004

Stainless Steel Compression Fittings / Stud Fittings

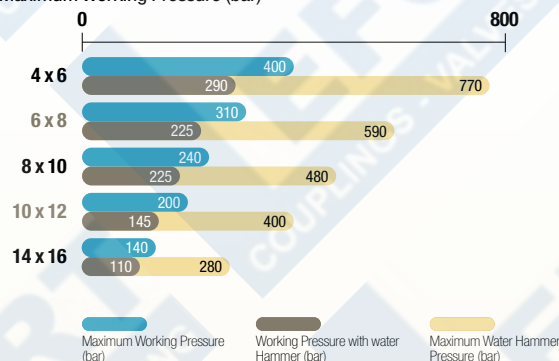
Semi-Rigid Polyamide Tube

Maximum Working Pressure (bar)



Stainless Steel Tube

Maximum Working Pressure (bar)



Working Pressure Coefficients for Semi-Rigid Tubing

Temperature °C	-40°C / -15°C	-15°C / +30°C	+30°C / +50°C	+50°C / +70°C	+70°C / +100°C
Factor	1.8	1	0.68	0.55	0.31

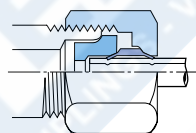
The above recommendations are given in good faith. However, since each application is different, it is advisable to undertake tests in actual working conditions.

Installations

Fitting

The fitting comprises three parts (body/olive/nut). For assembly procedure, please see Brass Compression Fitting page.

Diagram: Assembled Fitting

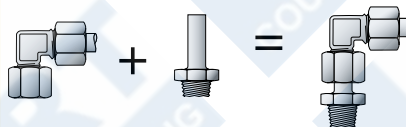


A very slight distortion of the tube appears; this shows the fitting has been correctly tightened.

Orientable Elbow Assembly

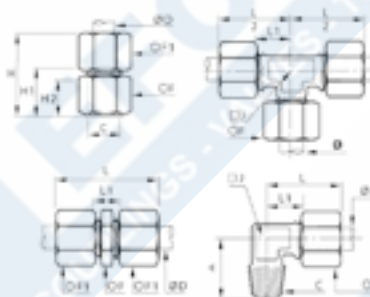
Elbow
1802

Adaptor
1820



Customised Fittings

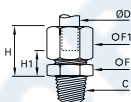
If our standard range does not meet your needs, Parker Legris can develop customised solutions for your applications.



Stainless Steel Compression Fittings / Stud Fittings

1805 Stud Fitting, Male BSPT Thread

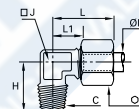
Stainless steel 316L



ØD	C		F	F1	H max	H1	Kg
6	R1/8	1805 06 10	12	13	19.5	7.5	0.017
	R1/4	1805 06 13	14	13	19.5	7.5	0.025
8	R1/8	1805 08 10	13	14	21	7	0.019
	R1/4	1805 08 13	14	14	21	7	0.024
10	R1/4	1805 10 13	17	19	25.5	9	0.043
	R3/8	1805 10 17	17	19	25.5	9	0.049
12	R1/2	1805 10 21	22	19	26.5	10	0.076
	R1/4	1805 12 13	19	22	26	9	0.054
16	R3/8	1805 12 17	19	22	26	9	0.057
	R1/2	1805 12 21	22	22	27	10	0.081
16	R3/8	1805 16 17	24	27	28.5	9.5	0.086
	R1/2	1805 16 21	24	27	28.5	9.5	0.093

1809 Stud Elbow, Male BSPT Thread

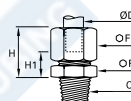
Stainless steel 316L



ØD	C		F	H	J	L max	L1	Kg
6	R1/8	1809 06 10	13	18	8	25.5	13.5	0.020
	R1/4	1809 06 13	13	23	10	25.5	13.5	0.029
8	R1/8	1809 08 10	14	20.5	10	28.5	14.5	0.026
	R1/4	1809 08 13	14	23	10	28.5	14.5	0.030
10	R1/4	1809 10 13	19	25	12	32.5	16	0.051
	R3/8	1809 10 17	19	25.5	12	32.5	16	0.057
12	R1/2	1809 10 21	19	32	18	36.5	20	0.091
	R1/4	1809 12 13	22	26	14	34	17	0.067
16	R3/8	1809 12 17	22	27	14	34	17	0.070
	R1/2	1809 12 21	22	32	18	37	20	0.098
16	R3/8	1809 16 17	27	28.5	18	39.5	21	0.107
	R1/2	1809 16 21	27	31.5	18	39.5	21	0.114

1805 Stud Fitting, Male NPT Thread

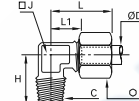
Stainless steel 316L



ØD	C		F	F1	H max	H1	Kg
6	NPT1/8	1805 06 11	12	13	19.5	7.5	0.018
	NPT1/4	1805 06 14	14	13	19.5	7.5	0.027
	NPT3/8	1805 06 18	19	13	20.5	8.5	0.033
8	NPT1/8	1805 08 11	13	14	21	7	0.021
	NPT1/4	1805 08 14	14	14	21	7	0.027
	NPT1/4	1805 10 14	17	19	25.5	9	0.045
10	NPT3/8	1805 10 18	19	19	25.5	9	0.055
	NPT1/2	1805 10 22	22	19	26.5	10	0.082
	NPT1/4	1805 12 14	19	22	26	9	0.057
12	NPT3/8	1805 12 18	19	22	26	9	0.060
	NPT1/2	1805 12 22	22	22	27	10	0.086

1809 Stud Elbow, Male NPT Thread

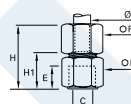
Stainless steel 316L



ØD	C		F	H	J	L max	L1	Kg
6	NPT1/4	1809 06 14	13	25.5	10	25.5	13.5	0.032
8	NPT1/8	1809 08 11	14	22	10	28.5	14.5	0.027
	NPT1/4	1809 08 14	14	25.5	10	28.5	14.5	0.032
10	NPT1/4	1809 10 14	19	27.5	12	32.5	16	0.053
	NPT3/8	1809 10 18	19	28	12	32.5	16	0.060
12	NPT1/2	1809 10 22	19	35	18	36.5	20	0.096
	NPT1/2	1809 12 22	22	35	18	37	20	0.101

1814 Stud Fitting, Female BSPP Thread

Stainless steel 316L

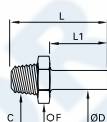


ØD	C		E	F	F1	H max	H1	Kg
6	G1/8	1814 06 10	7.5	14	13	29	17	0.024
	G1/4	1814 06 13	11	17	13	29	21	0.031
8	G1/4	1814 08 13	11	17	14	34.5	20.5	0.033
10	G3/8	1814 10 17	11.5	22	19	38.5	22	0.064
	G1/2	1814 10 21	15	27	19	43	26.5	0.094
12	G3/8	1814 12 17	11.5	22	22	39	22	0.073
	G1/2	1814 12 21	15	27	22	43.5	26.5	0.102
16	G1/2	1814 16 21	15	27	27	45	26	0.121

Stainless Steel Compression Fittings / Stud Fittings

1820 Stud Standpipe, Male BSPT Thread

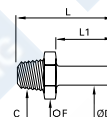
Stainless steel 316L



ØD	C		F	L	L1	Kg
6	R1/8	1820 06 10	12	26.5	15	0.009
	R1/4	1820 06 13	14	31	15	0.017
8	R1/8	1820 08 10	12	28.5	17	0.008
	R1/4	1820 08 13	14	33	17	0.016
10	R1/4	1820 10 13	14	36	20	0.016
	R3/8	1820 10 17	17	36.5	20	0.025
12	R1/2	1820 12 21	22	41	20	0.052
	R1/4	1820 12 13	14	36	20	0.016
12	R3/8	1820 12 17	17	36.5	20	0.023
	R1/2	1820 12 21	22	41	20	0.048
16	R3/8	1820 16 17	17	39.5	23	0.022
	R1/2	1820 16 21	22	44	23	0.039

1820 Stem Adaptor, Male NPT Thread

Stainless steel 316L

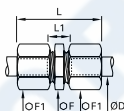


ØD	C		F	L	L1	Kg
8	NPT1/8	1820 08 11	12	28.5	17	0.009
	NPT1/4	1820 08 14	14	33	17	0.019
10	NPT1/4	1820 10 14	14	36	20	0.018
	NPT1/4	1820 12 14	14	36	20	0.019
12	NPT3/8	1820 12 18	19	36.5	20	0.028
	NPT1/2	1820 12 22	22	41	20	0.053

Stainless Steel Compression Fittings / Tube-to-Tube Fittings

1806 Equal Tube-to-Tube Connector

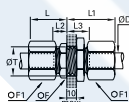
Stainless steel 316L



ØD		F	F1	L max	L1	Kg
6	1806 06 00	12	13	34.5	11	0.025
8	1806 08 00	13	14	38.5	10	0.029
10	1806 10 00	17	19	46	13	0.065
12	1806 12 00	19	22	47	13	0.085
16	1806 16 00	24	27	51	13	0.135

1816 Equal Bulkhead Connector

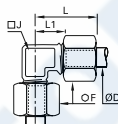
Stainless steel 316L



ØD		F	F1	L max	L1 max	L2	L3	ØT min	Kg
6	1816 06 00	13	13	28	19	7.5	17	10.5	0.034
8	1816 08 00	14	14	29	20	7	17	12.5	0.042
10	1816 10 00	19	19	33	25	9	19	16.5	0.093
12	1816 12 00	22	22	33	25	9	19	18.5	0.113
16	1816 16 00	27	27	36	28	9.5	19.5	22.5	0.179

1802 Equal Elbow

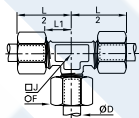
Stainless steel 316L



ØD		F	J	L max	L1	Kg
6	1802 06 00	13	8	25.5	13.5	0.027
8	1802 08 00	14	10	28.5	14.5	0.034
10	1802 10 00	19	12	32.5	16	0.070
12	1802 12 00	22	14	34	17	0.092
16	1802 16 00	27	18	39.5	21	0.151

1804 Equal Tee

Stainless steel 316L

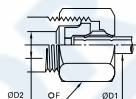


ØD		F	J	L/2	L1	Kg
6	1804 06 00	13	8	25.5	13.5	0.039
8	1804 08 00	14	10	28.5	14.5	0.049
10	1804 10 00	19	12	32.5	16	0.100
12	1804 12 00	22	14	34	17	0.133
16	1804 16 00	27	18	39.5	21	0.216

Stainless Steel Compression Fittings / Complementary Fittings

1866 3-Piece Reducer

Stainless steel 316L



ØD1	ØD2		F	Kg
6	8	1866 06 08	14	0.011
	10	1866 06 10	19	0.027
8	10	1866 08 10	19	0.025

1824 Stainless Steel Olive

Stainless steel 316L



ØD		Kg
6	1824 06 00	0.002
8	1824 08 00	0.001
10	1824 10 00	0.003
12	1824 12 00	0.004
16	1824 16 00	0.005

1810 Stainless Steel Nut

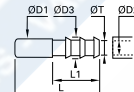
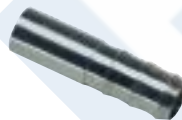
Stainless steel 316L



ØD	C		F	L	Kg
6	M10x1	1810 06 00	13	11	0.007
8	M12x1	1810 08 00	14	13	0.008
10	M16x1.5	1810 10 00	19	15	0.017
12	M18x1.5	1810 12 00	22	15	0.024
16	M22x1.5	1810 16 00	27	17	0.041

1822 Barb Adaptor for Hose

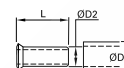
Stainless steel 316L



ØD1	ØD2	ØD3		L	L1	ØT min	Kg
6	7	9	1822 06 07	37.5	22.5	6	0.006
	6	8	1822 08 06	40	22.5	5	0.007
8	7	9	1822 08 07	40	22.5	6	0.007
	10	12.5	1822 08 10	40	22.5	9	0.011
10	7	9	1822 10 07	43	22.5	6	0.009
	10	12.5	1822 10 10	43	22.5	9	0.012
12	10	12.2	1822 12 10	43	22.5	9	0.012
	13	15	1822 12 13	50	29.5	13	0.015

1827 Stainless Steel Tube Support for Fluoropolymer Tubing

Stainless steel 316L



ØD1	ØD2		L	Kg
6	4	1827 06 00	11.5	0.001
8	6	1827 08 00	14	0.001
10	8	1827 10 00	18	0.001
	9	1827 12 09	18	0.001
12	10	1827 12 00	18	0.001
	13	1827 16 13	18	0.002
16	14	1827 16 00	18	0.002

This tube support is necessary when using fluoropolymer tubing at all temperatures compatible with the fitting/tubing assembly.

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
BSPT Thread			8	12	14	16
BSPP Thread with "O" ring			1.2	1.5	2.5	3.5
BSPP Thread with metal sleeve			5	8	10	12
Metric Thread	0.8	0.8				

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

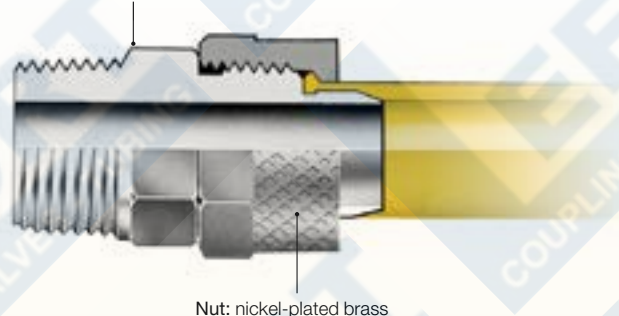
Guaranteed for use with a vacuum of 755 mm Hg (99% vacuum).

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.

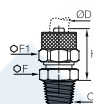
Final Assembly



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

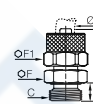


ØD	C		F	F1	H	Kg
2.7x4	R1/8	F3BPL2.7/4-1/8	12	8	16	0.009
4x6	R1/8	F3BPL4/6-1/8	12	12	19.5	0.016
	R1/4	F3BPL4/6-1/4	14	12	20	0.025
	R1/8	F3BPL6/8-1/8	12	14	19.5	0.019
6x8	R1/4	F3BPL6/8-1/4	14	14	20	0.026
	R3/8	F3BPL6/8-3/8	17	14	20	0.030
	R1/4	F3BPL8/10-1/4	14	16	21.5	0.031
8x10	R3/8	F3BPL8/10-3/8	17	16	21.5	0.043
	R3/8	F3BPL10/12-3/8	17	18	23	0.036
11x14	R3/8	F3BPL11/14-3/8	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	F4BPL4/6-1/8	6	13	12	19.5	0.031
6x8	G1/4	F4BPL6/8-1/4	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

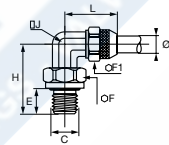


ØD	C		E	F	F1	H	Kg
6x8	M10x1	F8BPL6/8M10	8	14	13	20	0.025
	M12x1.25	F8BPL6/8M12	8	17	14	28	0.028

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

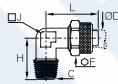


ØD	C		E	F	F1	H	J	L	Kg
6x8	M10x1	C8BPL6/8M10	6.5	14	14	22	10	23	0.030
	M12x1.25	C8BPL6/8M12X125	8	17	14	25	10	23	0.035

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

C3BPL Stud Elbow, Male BSPT Thread

Nickel-plated brass

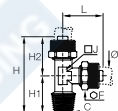


ØD	C		F	H	J	L	Kg
2.7x4	R1/8	C3BPL2.7/4-1/8	8	17	8	19.5	0.018
4x6	R1/8	C3BPL4/6-1/8	12	17	8	22.5	0.022
	R1/4	C3BPL4/6-1/4	12	20	10	22.5	0.031
6x8	R1/8	C3BPL6/8-1/8	14	17	10	22.5	0.029
	R1/4	C3BPL6/8-1/4	14	20	10	22.5	0.031
8x10	R3/8	C3BPL6/8-3/8	14	22.5	11	24	0.064
	R1/4	C3BPL7.5/10-1/4	16	22.5	12	28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

Compatible with BPLM-M nut only

R3BPL Stud Run Tee, Male BSPT Thread

Nickel-plated brass

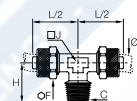


ØD	C		F	H	H1	H2	J	Kg
4x6	R1/8	R3BPL4/6-1/8	12	39.5	17	22.5	8	0.035
	R1/4	R3BPL4/6-1/4	12	43.5	21	22.5	10	0.048

Compatible with BPLM-M nut only

S3BPL Stud Branch Tee, Male BSPT Thread

Nickel-plated brass

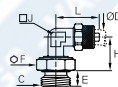


ØD	C		F	H	J	L/2	Kg
4x6	R1/8	S3BPL4/6-1/8	12	17	8	22.5	0.035
	R1/4	S3BPL4/6-1/4	12	20.5	10	22.5	0.047

Compatible with BPLM-M nut only

C4BPL Stud Elbow, Male BSPP Thread

Nickel-plated brass, NBR

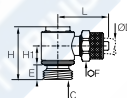


ØD	C		E	F	F1	H	J	L	Kg
4x6	G1/4	C4BPL4/6-1/4	8	17		25	10	23.5	0.066
6x8	G1/4	C4BPL6/8-1/4	8	17	14	25	10	23.5	0.068

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



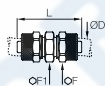
ØD	C		E	F	H	H1	L	Kg
4x6	G1/8	COR4BPL4/6-1/8	6.5	12	25.5	9	24	0.069
	G1/4	COR4BPL4/6-1/4	8	12	31.5	10	26	0.097
6x8	G1/4	COR4BPL6/8-1/4	8	14	31.5	10	26	0.101
	G1/8	COR4BPL6/8-1/8	6.5	14	25.5	9	24	0.073

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

Nickel-Plated Brass Spigot Fittings

HBPL Equal Tube-to-Tube Connector

Nickel-plated brass

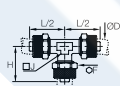


ØD		F	F1	L	Kg
2.7x4	HBPL2.7/4	8	8	26	0.010
4x6	HBPL4/6	12	12	34.5	0.021
6x8	HBPL6/8	14	14	35	0.030
8x10	HBPL8/10	14	16	38	0.043
10x12	HBPL10/12	17	18	41	0.056

Compatible with BPLM-M nut only

JBPL Equal Tee

Nickel-plated brass

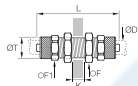


ØD		F	H	J	L/2	Kg
4x6	JBPL4/6	12	22.5	8	22.5	0.042
6x8	JBPL6/8	14	22.5	10	22.5	0.057

Compatible with BPLM-M nut only

WBPL Equal Bulkhead Connector

Nickel-plated brass

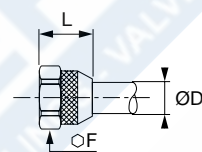


ØD		F	F1	K max	L	ØT	Kg
4x6	WBPL4/6	14	12	10.5	48	10	0.030
6x8	WBPL6/8	16	14	10.5	48	12	0.040
8x10	WBPL8/10	17	16	8.5	50	14	0.057

Compatible with BPLM-M nut only

BPLM Nut

Nickel-plated brass



ØD	C		E	F	L	Kg
2.7x4	M6x0.50	BPL4M	6	8	8	0.003
4x6	M8x0.75	BPL6M	6.5	9	9	0.006
6x8	M12x1	BPL8M	7.5	14	10.5	0.009
8x10	M14x1	BPL10M	8	16	11.5	0.014

Maximum working pressure: 40 bar

BPLM-M Nut

Nickel-plated brass



ØD	C		F	L	Kg
4x6	M8x0.75	BPL6M-1	9	9	0.006
6x8	M12x1	BPL8M-1	14	10.5	0.008
8x10	M14x1	BPL10M-1	16	11.5	0.012

Brass, Stainless Steel, Composite Spigot Fittings

MV Female Stud Fitting

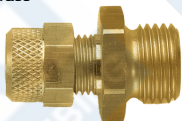
Brass



ØD	C		HEX	L
4x6	G1/8	MV10/06	14	23
	G1/4	MV13/06	17	25
	G1/4	MV13/08	17	25

EV Stud Fitting

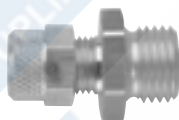
Brass



ØD	C		HEX	L	Version
3x4	M5	EV05/04	7	20	Brass
3x5	M5	EV05/05	7	20	Brass
4x6	M5	EV05/06	8	21	Brass
	G1/8	EV10/06	12	25	Brass
6x8	G1/8	EV10/08	14	24	Brass
4x6	G1/4	EV13/06	17	26	Brass
6x8	G1/4	EV13/08	17	26	Brass
8x10	G1/4	EV13/10	17	31	Brass
9x12	G1/4	EV13/12	17	31	Brass
	G3/8	EV17/12	19	31	Brass

EV Stud Fitting

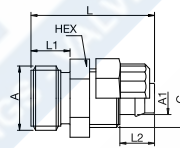
Stainless steel



ØD	C		HEX	L	Version
3x4	M5	EV05/04R	7	20	AISI 303
3x5	M5	EV05/05R	7	20	AISI 303
4x6	M5	EV05/06R	8	21	AISI 303
	G1/8	EV10/06R	12	25	AISI 303
6x8	G1/8	EV10/08R	14	24	AISI 303

EV Plastic Screw Connector

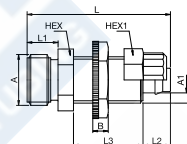
POM or CHEM



ØD	C		HEX	G	L	L1	L2	Version
4x6	G1/4	EV13/06DX	14	M 10 x 1	25	8	13	POM
6x8	G1/4	EV13/08DX	14	M 12 x 1	25	8	13	POM
4x6	G1/4	EV13/06FX	14	M 10 x 1	25	8	13	CHEM
6x8	G1/4	EV13/08FX	14	M 12 x 1	25	8	13	CHEM

EK Panel Mount, Plastic Hose Connection

POM or CHEM



ØD	C		HEX	HEX1	B	G	L	L1	L2	L3	Version
4x6	G1/4	EK13/06DX	14	14	4	M 10 x 1	37	7	8	18	POM
6x8	G1/4	EK13/08DX	14	17	4	M 12 x 1	37	8	8	18	POM
4x6	G1/4	EK13/06FX	14	14	4	M 10 x 1	37	7	8	18	CHEM
6x8	G1/4	EK13/08FX	14	17	4	M 12 x 1	37	8	8	18	CHEM