

# Compression Fittings

**Brass Compression Fittings**

**Stainless Steel Compression Fittings**

**PL Nickel-Plated Brass Spigot Fittings**

National Sales Enquiries 1300 879 613  
[www.pneutech.com.au](http://www.pneutech.com.au)

  
**Pneutech**  
*Pneumatics Australia*



# Compression Fittings

## Brass Compression Fittings

(P. 5-5)



**Fluids:** compressed air, non-corrosive industrial fluids

**Materials:** forged or machined brass

**Pressure:** 550 bar

**Temperature:** -60°C to +250°C

**Ø metric:** 4 mm to 28 mm

## Stainless Steel Compression Fittings

(P. 5-31)



**Fluids:** compressed air, coolants, industrial and corrosive fluids

**Materials:** 316L stainless steel

**Pressure:** 400 bar

**Temperature:** -60°C to +250°C

**Ø metric:** 6 mm to 16 mm

## PL Nickel-Plated Brass Spigot Fittings

(P. 5-41)



**Fluids:** compressed air, compatible industrial fluids

**Materials:** forged or machined nickel-plated brass

**Pressure:** 18 bar

**Temperature:** -40°C to +100°C

**Ø metric:** 4 mm to 14 mm

## Compression Fitting Part Numbers

**0105 14 27 99**

### Item Type

01XX: brass  
18XX: stainless steel

### Ø

04 = 4 mm  
06 = 6 mm  
...  
20 = 20 mm  
28 = 28 mm

### Thread

10 = 1/8  
13 = 1/4  
...  
21 = 1/2  
27 = 3/4

### Suffix

39: bonded seal  
40: treated steel  
60: nut  
70: polymer nut  
99: chemical nickel

## PL Fitting Part Numbers

**F3BPL 8/10 -1/4**

### Item Type

FBPL  
F3BPL  
HBPL  
WBPL  
...

### Ø

2.7/4  
4/6  
6/8  
7.5/10  
8/10  
10/12  
11/14

### Thread

BSPT:  
1/8  
1/4  
3/8  
...  
Metric:  
M10  
M12  
  
NPT: with adaptor  
BSPT and NPT

### Related Products

Parker also offers another type of brass compression fitting:

**Metrulok**, with a one-piece olive/nut.

Do not hesitate to contact us.



# Brass Compression Fitting Range

## Brass Fittings

### Stud Fittings

- |                                 |                                |   |                                      |                                    |                                  |                                  |                                 |
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| <b>0105</b><br>BSPT<br>Page 5-9 | <b>0105</b><br>NPT<br>Page 5-9 | <b>0101</b><br>BSPP/Metric<br>Page 5-10 | <b>0101..39</b><br>BSPP<br>Page 5-10 | <b>0101</b><br>Metric<br>Page 5-11 | <b>0114</b><br>BSPP<br>Page 5-11 | <b>0109</b><br>BSPT<br>Page 5-12 | <b>0109</b><br>NPT<br>Page 5-12 |
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| <b>0199</b><br>BSPP<br>Page 5-12 | <b>0108</b><br>BSPT<br>Page 5-13 | <b>0103</b><br>BSPT<br>Page 5-13 | <b>0118</b><br>BSPP<br>Page 5-14 | <b>0118..39</b><br>BSPP<br>Page 5-14 | <b>0119</b><br>BSPP<br>Page 5-15 | <b>0119..39</b><br>BSPP<br>Page 5-15 |
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### Tube-to-Tube Fittings

- |                          |                          |                          |                          |                          |                          |                          |
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### Complementary Fittings

- |                          |                          |                              |                          |                          |                              |                              |                              |
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## Self-Fastening Hose Barb Connectors

- |                          |                              |                          |
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## Accessories

- |                          |                          |                          |                          |                          |                              |                          |                          |                              |                              |                              |
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# Brass Compression 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. This range guarantees excellent long-term sealing and performance.

## Product Advantages

### Simple to Install and Use

- Suitable for pneumatic and medium pressure hydraulic applications
- Compatible with many industrial fluids
- Large product range: 22 configurations
- Excellent sealing due to the tightening of the olive onto the tube
- Metallic sealing guarantees maximum service life
- High strength brass for increased mechanical reliability

### Wide Variety of Tubing

- Connection of different types of tubing and hose: metal, polymer, steel, rubber, etc.
- Multiple tube diameters can be connected using the Parker Legris reducer assembly system
- No insert required for rigid and semi-rigid polyamide tubing below 14 mm



**Applications**

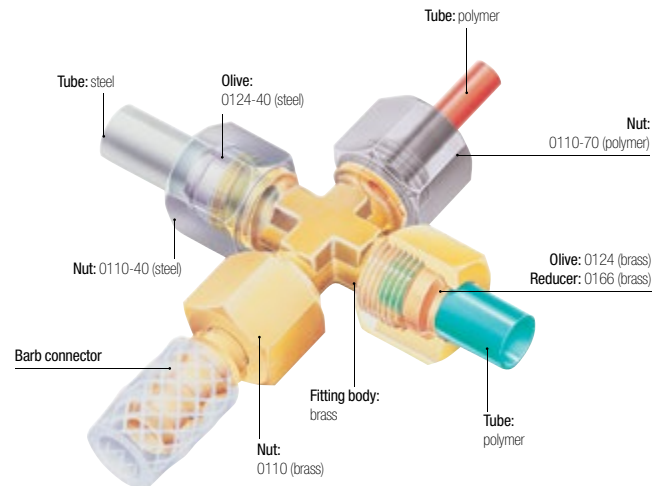
- Pneumatics
- Cooling
- Automotive Process
- Lubrication
- Fluid Transmission
- Packaging
- Industrial Machinery

## Technical Characteristics

<b>Compatible Fluids</b>	Water, machining oil, fuel, hydraulic oil, compressed air, chemical fluids, disinfectants
<b>Working Pressure</b>	Vacuum to 550 bar
<b>Working Temperature</b>	-60°C to +250°C without sealing washer, with metal tubing
<b>Tightening Torque</b>	See "Technical Characteristics" on opposite page

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.

### Component Materials



### 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		

### 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)

# Technical Characteristics

## Installing Compression Fittings

### 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 body 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).

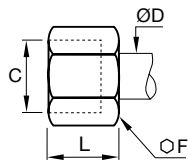


It is recommended to use an insert in order to prevent tube creeping (diameter > 14mm)

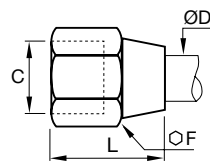
## Recommended Nut Tightening Torque

### 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		

## 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.





# Technical Characteristics

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

## 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

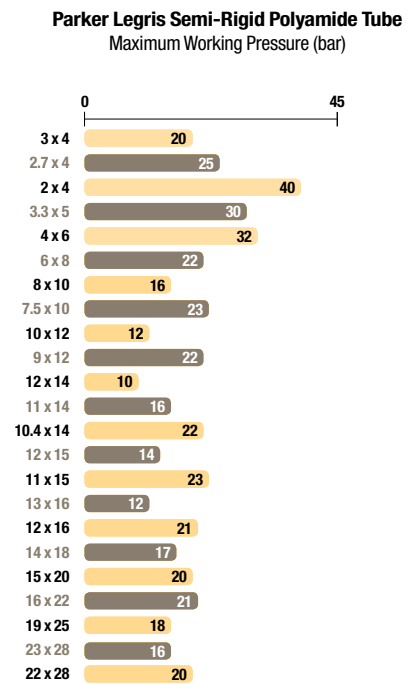
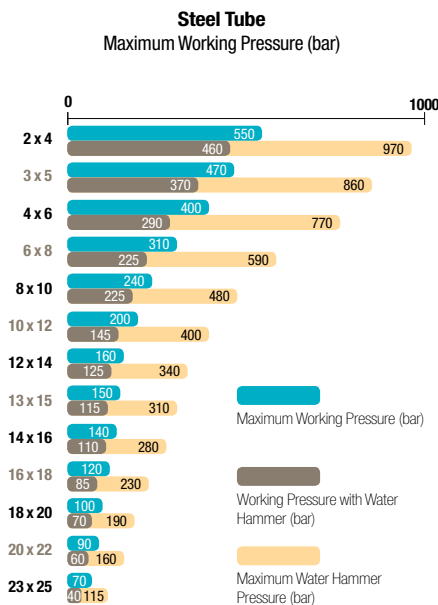
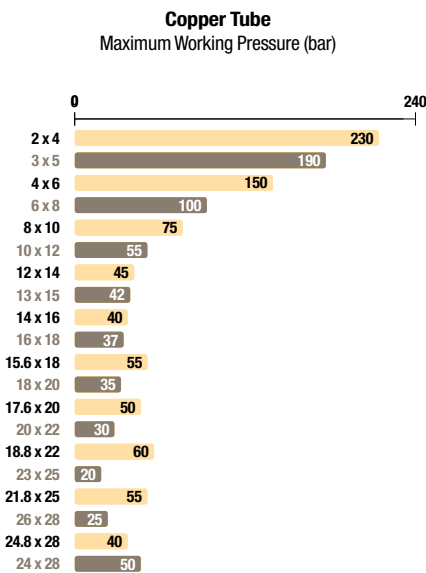
**Polyamide tube:** semi-rigid  
For rigid polyamide tube, multiply the figures in this table by 1.8.

## Recommended Tube-Fitting Assembly Configurations

Assembled using Parker Legris brass olive and nut.

Assembled using Parker Legris steel olive and nut (nut type 0110..40).

Assembled using Parker Legris brass olive and nut.



When using a plastic nut type 0110..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.

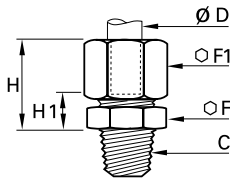
The above recommendations are given in good faith. However, since each application is different, it is advisable to undertake tests in actual working conditions.

# Brass Compression Fittings

**0105**

Stud Fitting, Male BSPT Thread

Brass



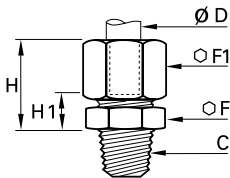
ØD	C		F	F1	H <sub>max</sub>	H1	Kg
4	R1/8	<a href="#">0105 04 10</a>	10	10	17	7	0.012
	R1/8	<a href="#">0105 05 10</a>	11	12	17.5	7.5	0.016
5	R1/4	<a href="#">0105 05 13</a>	14	12	17.5	7.5	0.023
	R1/8	<a href="#">0105 06 10</a>	11	13	18	7.5	0.017
6	R1/4	<a href="#">0105 06 13</a>	14	13	18	7.5	0.024
	R3/8	<a href="#">0105 06 17</a>	17	13	18	8.5	0.030
	R1/8	<a href="#">0105 08 10</a>	13	14	19.5	7	0.020
8	R1/4	<a href="#">0105 08 13</a>	14	14	19.5	7	0.025
	R3/8	<a href="#">0105 08 17</a>	17	14	20.5	8	0.032
10	R1/8	<a href="#">0105 10 10</a>	17	19	24	9	0.042
	R1/4	<a href="#">0105 10 13</a>	17	19	24	9	0.047
	R3/8	<a href="#">0105 10 17</a>	17	19	24	9	0.048
12	R1/2	<a href="#">0105 10 21</a>	22	19	25	10	0.066
	R1/4	<a href="#">0105 12 13</a>	19	22	24	9	0.059
	R3/8	<a href="#">0105 12 17</a>	19	22	24	9	0.060
	R1/2	<a href="#">0105 12 21</a>	22	22	25	10	0.076
14	R1/4	<a href="#">0105 14 13</a>	22	24	25	8	0.067
	R3/8	<a href="#">0105 14 17</a>	22	24	25	8	0.068
	R1/2	<a href="#">0105 14 21</a>	22	24	26	9	0.080
	R3/4	<a href="#">0105 14 27</a>	27	24	27	10	0.107
15	R3/8	<a href="#">0105 15 17</a>	22	24	25	8	0.066
	R1/2	<a href="#">0105 15 21</a>	22	24	26	9	0.077
16	R1/4	<a href="#">0105 16 13</a>	24	27	27	9.5	0.090
	R3/8	<a href="#">0105 16 17</a>	24	27	27	9.5	0.092
	R1/2	<a href="#">0105 16 21</a>	24	27	27	9.5	0.099
18	R3/4	<a href="#">0105 16 27</a>	27	27	28	10.5	0.119
	R1/2	<a href="#">0105 18 21</a>	27	30	30	10.5	0.125
	R3/4	<a href="#">0105 18 27</a>	27	30	30	10.5	0.137
20	R1/2	<a href="#">0105 20 21</a>	30	32	32	11	0.146
	R3/4	<a href="#">0105 20 27</a>	30	32	32	11	0.157
22	R1/2	<a href="#">0105 22 21</a>	32	36	33	11	0.188
	R3/4	<a href="#">0105 22 27</a>	32	36	33	11	0.197
	R1	<a href="#">0105 22 34</a>	36	36	33	11	0.225
25	R3/4	<a href="#">0105 25 27</a>	36	41	36	11	0.263
	R1	<a href="#">0105 25 34</a>	36	41	36	11	0.277
28	R3/4	<a href="#">0105 28 27</a>	41	42	36	11	0.273
	R1	<a href="#">0105 28 34</a>	41	42	36	11	0.284

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

**0105**

Stud Fitting, Male NPT Thread

Brass



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

## Related Products

Parker also offers another type of brass compression fitting: **Metrulok**, with a one-piece olive/nut. Do not hesitate to contact us.

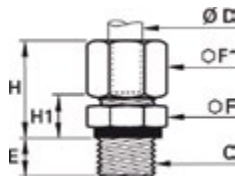




# Brass Compression Fittings

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

Brass, technical polymer

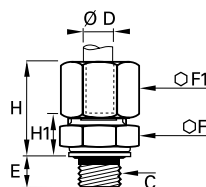


ØD	C		E	F	F1	H <sub>max</sub>	H1	Kg
4	M5x0.8	<a href="#">0101 04 19</a>	5	10	10	16.5	8	0.011
	G1/8	<a href="#">0101 04 10</a>	6.5	13	10	16.5	8	0.016
5	G1/8	<a href="#">0101 05 10</a>	6.5	13	12	17.5	8.5	0.018
	G1/8	<a href="#">0101 06 10</a>	6.5	13	13	18	8.5	0.020
6	G1/4	<a href="#">0101 06 13</a>	8	17	13	18	9.5	0.030
	G1/8	<a href="#">0101 08 10</a>	6.5	13	14	19	8.5	0.021
8	G1/4	<a href="#">0101 08 13</a>	8	17	14	19.5	9	0.031
	G3/8	<a href="#">0101 08 17</a>	11	22	14	20	10.5	0.044
10	G1/4	<a href="#">0101 10 13</a>	8	17	19	24	11	0.048
	G3/8	<a href="#">0101 10 17</a>	11	22	19	24	11.5	0.061
12	G1/4	<a href="#">0101 12 13</a>	8	19	22	24	11	0.062
	G3/8	<a href="#">0101 12 17</a>	11	22	22	24	11.5	0.070
14	G1/2	<a href="#">0101 12 21</a>	12	27	22	24	12	0.089
	G3/8	<a href="#">0101 14 17</a>	11	22	24	25	10.5	0.074
15	G1/2	<a href="#">0101 14 21</a>	12	27	24	25	11	0.093
	G3/8	<a href="#">0101 15 17</a>	11	22	24	25	10.5	0.071
16	G1/2	<a href="#">0101 15 21</a>	12	27	24	25	11	0.094
	G3/8	<a href="#">0101 16 17</a>	11	22	27	27	12	0.091
18	G1/2	<a href="#">0101 16 21</a>	12	27	27	27	12.5	0.109
	G3/4	<a href="#">0101 18 21</a>	12	27	30	29.5	12.5	0.128
20	G3/4	<a href="#">0101 18 27</a>	13	32	30	29.5	13	0.152
	G3/4	<a href="#">0101 20 27</a>	13	32	32	31	13	0.164
22	G3/4	<a href="#">0101 20 27</a>	13	32	36	32	13	0.194
	G1	<a href="#">0101 22 34</a>	15	41	36	31	13.5	0.259
25	G3/4	<a href="#">0101 25 27</a>	13	36	41	35.5	13	0.260
	G1	<a href="#">0101 25 34</a>	15	41	41	35.5	13	0.306
28	G1	<a href="#">0101 28 34</a>	15	41	42	35.5	13.5	0.299

With pre-assembled polyamide washer  
Sealing washers 0602 can be found in chapter 9.  
Max. working pressure 20 bar

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

Brass, zinc-plated steel with NBR seal



ØD	C		E	F	F1	H <sub>max</sub>	H1	Kg
4	G1/8	<a href="#">0101 04 10 39</a>	5.5	13	10	17.5	9	0.016
5	G1/8	<a href="#">0101 05 10 39</a>	5.5	13	12	18.5	9.5	0.019
	G1/8	<a href="#">0101 06 10 39</a>	5.5	13	13	19	9.5	0.020
6	G1/4	<a href="#">0101 06 13 39</a>	7	17	13	19	10.5	0.030
	G1/8	<a href="#">0101 08 10 39</a>	5.5	13	14	20	9.5	0.022
8	G1/4	<a href="#">0101 08 13 39</a>	7	17	14	20.5	10	0.031
	G3/8	<a href="#">0101 08 17 39</a>	9.5	22	14	21.5	12	0.045
10	G1/4	<a href="#">0101 10 13 39</a>	7	17	19	25	12	0.048
	G3/8	<a href="#">0101 10 17 39</a>	9.5	22	19	25.5	13	0.061
12	G1/4	<a href="#">0101 12 13 39</a>	7	19	22	25	12	0.062
	G3/8	<a href="#">0101 12 17 39</a>	9.5	22	22	25	13	0.070
14	G1/2	<a href="#">0101 12 21 39</a>	10.5	27	22	25	13.5	0.090
	G3/8	<a href="#">0101 14 17 39</a>	9.5	22	24	26.5	12	0.076
15	G1/2	<a href="#">0101 14 21 39</a>	10.5	27	24	26.5	12.5	0.094
	G3/8	<a href="#">0101 15 17 39</a>	9.5	22	24	26.5	12	0.071
16	G1/2	<a href="#">0101 15 21 39</a>	10.5	27	24	26.5	12.5	0.094
	G3/8	<a href="#">0101 16 17 39</a>	9.5	22	27	28.5	13.5	0.092
18	G1/2	<a href="#">0101 16 21 39</a>	10.5	27	27	28.5	14	0.109
	G3/4	<a href="#">0101 18 21 39</a>	10.5	27	30	31	14	0.129
20	G3/4	<a href="#">0101 18 27 39</a>	11.5	32	30	31	14.5	0.154
	G3/4	<a href="#">0101 20 27 39</a>	11.5	32	32	32.5	14.5	0.167
22	G3/4	<a href="#">0101 20 27 39</a>	11.5	32	36	32.5	14.5	0.197
	G1	<a href="#">0101 22 34 39</a>	13	41	36	33	15.5	0.259
25	G1	<a href="#">0101 25 34 39</a>	13	41	41	37.5	15.5	0.309
	G1	<a href="#">0101 28 34 39</a>	13	41	42	37.5	15.5	0.300

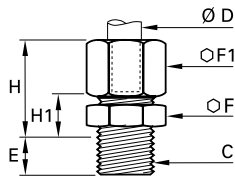
Thread with bi-material seal  
Bi-material sealing washers, part number 0139, can be found in Chapter 9  
Max. working pressure 250 bar

# Brass Compression Fittings

## 0101

### Stud Fitting, Male Metric Thread

Brass

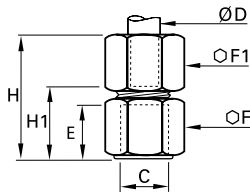


ØD	C		E	F	F1	H <sub>max</sub>	H1	Kg
4	M7x1	0101 04 55	6.5	10	10	16.5	7.5	0.012
	M8x1	0101 04 56	6.5	11	10	16.5	7.5	0.013
5	M8x1	0101 05 56	6.5	11	12	17.5	8	0.015
	M10x1	0101 05 60	6.5	14	12	17.5	8.5	0.020
6	M10x1	0101 06 60	6.5	14	13	18	8.5	0.021
	M10x1.5	0101 06 62	6.5	14	13	18	8.5	0.021
8	M12x1	0101 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	0.048
	M14x1.5	0101 10 71	8	17	19	24	11	0.047
	M16x1.25	0101 10 74	9	19	19	24	11	0.051
12	M16x1.5	0101 10 75	9	19	19	24	11	0.051
	M18x1.5	0101 10 78	9	22	19	24	11.5	0.060
	M16x1.25	0101 12 74	9	19	22	24	11	0.061
	M16x1.5	0101 12 75	9	19	22	24	11	0.061
14	M18x1.5	0101 12 78	9	22	22	24	11.5	0.071
	M18x1.5	0101 14 78	9	22	24	25	10.5	0.073
15	M20x1.5	0101 14 80	10	24	24	25	11	0.084
	M18x1.5	0101 15 78	9	22	24	25	10.5	0.071
16	M20x1.5	0101 16 80	10	24	27	27	12.5	0.101
	M22x1.5	0101 16 82	10	27	27	27	12.5	0.110
18	M22x1.5	0101 18 82	10	27	30	29.5	12.5	0.129
	M24x1.5	0101 18 83	11	30	30	29.5	13	0.142

## 0114

### Stud Fitting, Female BSPP Thread

Brass

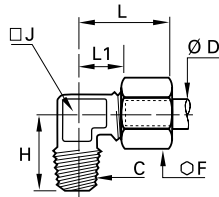


ØD	C		E	F	F1	H <sub>max</sub>	H1	Kg
4	G1/8	0114 04 10	9.5	14	10	26	16.5	0.020
	G1/4	0114 04 13	13.5	17	10	30	20.5	0.030
5	G1/8	0114 05 10	9.5	14	12	28	17	0.023
	G1/4	0114 05 13	13.5	17	12	31	21	0.033
6	G1/8	0114 06 10	9.5	14	13	28	17	0.025
	G1/4	0114 06 13	13.5	17	13	32	21	0.034
8	G3/8	0114 06 17	14	22	13	32	21.5	0.051
	G1/8	0114 08 10	9.5	14	14	29	16.5	0.026
	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	0.068
	G1/2	0114 10 21	18.5	27	19	42	26.5	0.100
12	G1/4	0114 12 13	13.5	19	22	36	20.5	0.068
	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
	G1/4	0114 14 13	13.5	22	24	36	18.5	0.085
14	G3/8	0114 14 17	14	22	24	38	21	0.048
	G1/2	0114 14 21	18.5	27	24	43	25.5	0.112
	G3/8	0114 15 17	14	22	24	38	21	0.078
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	0.107
16	G3/8	0114 16 17	14	24	27	38	20.5	0.106
	G1/2	0114 16 21	18.5	27	27	44	26	0.128
	G3/8	0114 18 17	14	27	30	39	19.5	0.140
18	G1/2	0114 18 21	18.5	27	30	45	26	0.144
	G3/4	0114 18 27	19.5	32	30	46	27	0.164
	G3/8	0114 20 17	14	30	32	38	18	0.161
20	G1/2	0114 20 21	18.5	30	32	44.5	24	0.171
	G3/4	0114 20 27	19.5	32	32	47	26.5	0.171
22	G3/4	0114 22 27	19.5	32	36	48	26.5	0.203
25	G3/4	0114 25 27	19.5	36	41	50.5	26	0.297

# Brass Compression Fittings

## 0109 Stud Elbow, Male BSPT Thread

Brass

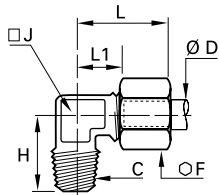


ØD	C		F	H	J	L <sub>max</sub>	L1	Kg
4	R1/8	<a href="#">0109 04 10</a>	10	17	8	19	9.5	0.016
	R1/4	<a href="#">0109 04 13</a>	10	20	10	19	11	0.024
5	R1/8	<a href="#">0109 05 10</a>	12	17.5	8	21	11	0.019
	R1/4	<a href="#">0109 05 13</a>	12	21.5	10	22	12	0.029
6	R1/8	<a href="#">0109 06 10</a>	13	18	8	22	11	0.021
	R1/4	<a href="#">0109 06 13</a>	13	21.5	10	22	12	0.030
8	R1/8	<a href="#">0109 08 10</a>	14	18.5	10	28	15	0.028
	R1/4	<a href="#">0109 08 13</a>	14	22	10	28	15	0.034
	R3/8	<a href="#">0109 08 17</a>	14	24	12	28	15	0.043
10	R1/4	<a href="#">0109 10 13</a>	19	25	12	30	14.5	0.053
	R3/8	<a href="#">0109 10 17</a>	19	25.5	12	30	14.5	0.059
	R1/2	<a href="#">0109 10 21</a>	19	32	19	36	21	0.108
12	R1/4	<a href="#">0109 12 13</a>	22	26	15	30	15	0.074
	R3/8	<a href="#">0109 12 17</a>	22	27	15	30	15	0.077
14	R1/2	<a href="#">0109 12 21</a>	22	32	19	36	21	0.114
	R3/8	<a href="#">0109 14 17</a>	24	30	19	35	18	0.105
15	R1/2	<a href="#">0109 14 21</a>	24	32	19	35	18	0.111
	R3/8	<a href="#">0109 15 17</a>	24	30	19	35	18	0.100
16	R1/2	<a href="#">0109 15 21</a>	24	32	19	35	18	0.108
	R3/8	<a href="#">0109 16 17</a>	27	30	19	39	21	0.121
18	R1/2	<a href="#">0109 16 21</a>	27	33.5	19	39	21	0.129
	R3/4	<a href="#">0109 16 27</a>	27	36.5	23	41	23	0.185
20	R1/2	<a href="#">0109 18 21</a>	30	35.5	23	41	21.5	0.179
	R3/4	<a href="#">0109 18 27</a>	30	36.5	23	41	21.5	0.198
22	R1/2	<a href="#">0109 20 21</a>	32	36.5	23	42	21.5	0.183
	R3/4	<a href="#">0109 20 27</a>	32	38	23	42	21.5	0.203
25	R1	<a href="#">0109 22 34</a>	36	40	27	50	30	0.287
	R3/4	<a href="#">0109 22 27</a>	36	44	27	50	30	0.336
28	R1	<a href="#">0109 25 27</a>	41	43	27	54	30	0.328
	R3/4	<a href="#">0109 25 34</a>	41	44	27	54	30	0.368
28	R1	<a href="#">0109 28 27</a>	42	46	32	54	30	0.404
	R3/4	<a href="#">0109 28 34</a>	42	48	32	54	30	0.382

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

## 0109 Stud Elbow, Male NPT Thread

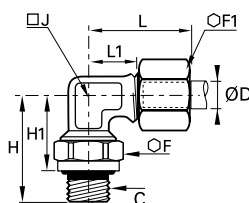
Brass



ØD	C		F	H	J	L <sub>max</sub>	L1	Kg
6	NPT1/8	<a href="#">0109 06 11</a>	13	18	8	22	11	0.021
	NPT1/4	<a href="#">0109 06 14</a>	13	21.5	10	22	12	0.030
8	NPT1/8	<a href="#">0109 08 11</a>	14	18.5	10	28	15	0.028
	NPT1/4	<a href="#">0109 08 14</a>	14	22	10	28	15	0.033
10	NPT1/4	<a href="#">0109 10 14</a>	19	25	12	30	14.5	0.053

## 0199 Stud Orientable Elbow, Male BSPP Thread

Brass, NBR



ØD	C		F	F1	H	H1	H1 <sub>max</sub>	J	L <sub>max</sub>	L1	Kg
4	G1/8	<a href="#">0199 04 10</a>	14	10	23	16	17	8	19	9.5	0.022
	G1/4	<a href="#">0199 04 13</a>	19	10	30.5	22	23.5	10	19	11	0.043
6	G1/8	<a href="#">0199 06 10</a>	14	13	23	16	17	8	22	11	0.027
	G1/4	<a href="#">0199 06 13</a>	19	13	30.5	22	23.5	10	22	12	0.046
8	G1/8	<a href="#">0199 08 10</a>	14	14	24	17	18	10	28	15	0.034
	G1/4	<a href="#">0199 08 13</a>	19	14	30.5	22	23.5	10	28	15	0.049
	G3/8	<a href="#">0199 08 17</a>	22	14	33.5	24	25.5	12	28	15	0.065
10	G1/4	<a href="#">0199 10 13</a>	19	19	31	22.5	24	12	30	14.5	0.067
	G3/8	<a href="#">0199 10 17</a>	22	19	33.5	24	25.5	12	30	14.5	0.078
14	G1/2	<a href="#">0199 10 21</a>	27	19	40	29.5	31	19	37	22	0.137
	G3/8	<a href="#">0199 14 17</a>	22	24	35.5	26	27.5	19	35	18	0.118
18	G1/2	<a href="#">0199 14 21</a>	27	24	40	29.5	31	19	35	18	0.140
	G1/2	<a href="#">0199 18 21</a>	27	30	40	29	30.5	23	41	21.5	0.187
22	G3/4	<a href="#">0199 18 27</a>	32	30	43.5	32	33.5	23	41	21.5	0.222
	G3/4	<a href="#">0199 22 27</a>	32	36	45.5	34	36	32	51	31	0.385
28	G1	<a href="#">0199 22 34</a>	41	36	54	40.5	43	32	51	31	0.409
	G1	<a href="#">0199 28 34</a>	41	42	54	40.5	43	32	54	30	0.411

The body will orientate for positioning purposes.

Max. working pressure 20 bar

[National Sales Enquiries](#)

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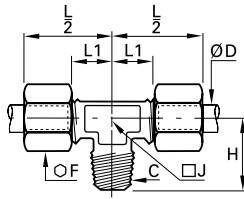
E: [sales@pneutech.com.au](mailto:sales@pneutech.com.au)

# Brass Compression Fittings

**0108**

## Stud Branch Tee, Male BSPT Thread

Brass



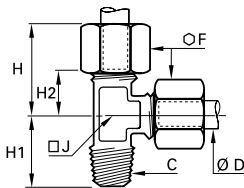
ØD	C		F	H	J	L1	L/2	Kg
4	R1/8	<a href="#">0108 04 10</a>	10	17	8	9.5	19	0.025
5	R1/8	<a href="#">0108 05 10</a>	12	17.5	8	11	21	0.031
6	R1/8	<a href="#">0108 06 10</a>	13	18	8	11	22	0.033
	R1/4	<a href="#">0108 06 13</a>	13	21.5	10	16	27	0.047
8	R1/8	<a href="#">0108 08 10</a>	14	18.5	10	15	28	0.043
	R1/4	<a href="#">0108 08 13</a>	14	22	10	15	28	0.050
10	R3/8	<a href="#">0108 08 17</a>	14	24	12	15	28	0.061
	R1/4	<a href="#">0108 10 13</a>	19	25	12	14.5	30	0.085
12	R3/8	<a href="#">0108 10 17</a>	19	25.5	12	14.5	30	0.092
	R1/4	<a href="#">0108 12 13</a>	22	26	15	15	30	0.114
14	R3/8	<a href="#">0108 12 17</a>	22	27	15	15	30	0.117
	R1/2	<a href="#">0108 14 21</a>	24	30	19	18	35	0.159
15	R3/8	<a href="#">0108 14 17</a>	24	32	19	18	35	0.166
	R1/2	<a href="#">0108 15 21</a>	24	30	19	18	35	0.155
16	R3/8	<a href="#">0108 16 17</a>	27	30	19	21	39	0.190
	R1/2	<a href="#">0108 16 21</a>	27	33.5	19	21	39	0.203
18	R1/2	<a href="#">0108 18 21</a>	30	35.5	23	21.5	41	0.270
	R3/4	<a href="#">0108 18 27</a>	30	36.5	23	21.5	41	0.292
20	R3/4	<a href="#">0108 20 27</a>	32	38	23	21.5	42	0.299
22	R3/4	<a href="#">0108 22 27</a>	36	40	27	29	50	0.431
	R1	<a href="#">0108 22 34</a>	36	44	27	29	50	0.466

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

**0103**

## Stud Run Tee, Male BSPT Thread

Brass



ØD	C		F	H <sub>max</sub>	H1	H2	J	Kg
4	R1/8	<a href="#">0103 04 10</a>	10	19	17	9.5	8	0.025
5	R1/8	<a href="#">0103 05 10</a>	12	21	17.5	11	8	0.030
6	R1/8	<a href="#">0103 06 10</a>	13	22	18	11	8	0.033
	R1/4	<a href="#">0103 06 13</a>	13	27	21.5	16	10	0.046
8	R1/8	<a href="#">0103 08 10</a>	14	28	18.5	15	10	0.044
	R1/4	<a href="#">0103 08 13</a>	14	28	22	15	10	0.049
10	R3/8	<a href="#">0103 08 17</a>	14	28	24	15	12	0.061
	R1/4	<a href="#">0103 10 13</a>	19	30	25	14.5	12	0.084
12	R3/8	<a href="#">0103 10 17</a>	19	30	25.5	14.5	12	0.091
	R1/4	<a href="#">0103 12 13</a>	22	30	26	15	15	0.114
14	R3/8	<a href="#">0103 12 17</a>	22	30	27	15	15	0.121
	R1/2	<a href="#">0103 14 21</a>	24	35	30	18	19	0.161
15	R3/8	<a href="#">0103 14 17</a>	24	35	30	18	19	0.148
	R1/2	<a href="#">0103 15 21</a>	24	35	32	18	19	0.158
16	R3/8	<a href="#">0103 16 17</a>	27	39	30	21	19	0.188
	R1/2	<a href="#">0103 16 21</a>	27	39	33.5	21	19	0.202
18	R1/2	<a href="#">0103 18 21</a>	30	41	35.5	21.5	23	0.269
	R3/4	<a href="#">0103 18 27</a>	30	41	36.5	21.5	23	0.291
20	R3/4	<a href="#">0103 20 27</a>	32	42	38	21.5	23	0.298
22	R3/4	<a href="#">0103 22 27</a>	36	50	40	29	27	0.435

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

### Related Products

Parker also offers another type of brass compression fitting:

**Metrulok**, with a one-piece olive/nut.

Do not hesitate to contact us.



National Sales Enquiries

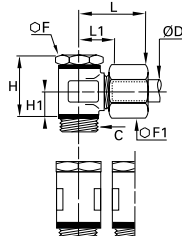
1300 879 613

E: [sales@pneutech.com.au](mailto:sales@pneutech.com.au)

# Brass Compression Fittings

## 0118 Single Banjo with Captive Sealing Washer, Male BSPP Thread

Brass, technical polymer



ØD	C		F	F1	H	H1	L <sub>max</sub>	L1	N	Kg
4	G1/8	<a href="#">0118 04 10</a>	14	10	24	9.5	24	14.5	17.5	0.038
	G1/8	<a href="#">0118 05 10</a>	14	12	24	9.5	25	14.5	17.5	0.041
5	G1/4	<a href="#">0118 05 13</a>	17	12	25	10	26	16	21	0.058
	G1/8	<a href="#">0118 06 10</a>	14	13	24	9.5	25	14.5	17.5	0.041
6	G1/4	<a href="#">0118 06 13</a>	17	13	25	10	26	16	21	0.056
	G1/8	<a href="#">0118 08 10</a>	14	14	24	9.5	28	15.5	17.5	0.055
8	G1/4	<a href="#">0118 08 13</a>	17	14	25	10	28	15.5	21	0.058
	G3/8	<a href="#">0118 08 17</a>	22	14	32	13	30	18	26.5	0.110
10	G1/4	<a href="#">0118 10 13</a>	17	19	31	13	34	19	23	0.117
	G3/8	<a href="#">0118 10 17</a>	22	19	32	13	34	19	26.5	0.125
12	G1/4	<a href="#">0118 12 13</a>	17	22	34	14.5	34	19	23	0.126
	G3/8	<a href="#">0118 12 17</a>	22	22	35	14.5	34	19	26.5	0.138
14	G1/4	<a href="#">0118 14 13</a>	17	24	37	16	37	20.5	28	0.154
	G3/8	<a href="#">0118 14 17</a>	22	24	38	16	37	20.5	28	0.202
15	G1/2	<a href="#">0118 14 21</a>	27	24	40	16	38	20.5	32.5	0.202
	G3/8	<a href="#">0118 15 17</a>	22	24	38	16	37	20.5	28	0.189
16	G1/2	<a href="#">0118 15 21</a>	27	24	40	16	38	20.5	32.5	0.196
	G1/2	<a href="#">0118 16 21</a>	27	27	42	16	38	21	32.5	0.219
18	G1/2	<a href="#">0118 18 21</a>	27	30	46	19.5	43	24.5	36	0.362
20	G3/4	<a href="#">0118 20 27</a>	32	32	49	20	44	24.5	39	0.406
22	G3/4	<a href="#">0118 22 27</a>	32	36	53	22	45	24.5	39	0.454

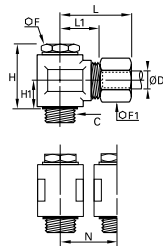
Thread with pre-assembled washer

Sealing washers 0602 can be found in chapter 9.

Max. working pressure 20 bar

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

Brass, zinc-plated steel with NBR seal



ØD	C		F	F1	H	H1	L <sub>max</sub>	L1	N	Kg
4	G1/8	<a href="#">0118 04 10 39</a>	14	10	23	9.5	24	14.5	17.5	0.039
	G1/8	<a href="#">0118 05 10 39</a>	14	12	23	9.5	25	14.5	17.5	0.041
5	G1/4	<a href="#">0118 05 13 39</a>	17	12	24	10	26	16	21	0.064
	G1/8	<a href="#">0118 06 10 39</a>	14	13	23	9.5	25	14.5	17.5	0.042
6	G1/4	<a href="#">0118 06 13 39</a>	17	13	24	10	26	16	21	0.057
	G1/8	<a href="#">0118 08 10 39</a>	14	14	23	9.5	28	15.5	17.5	0.056
8	G1/4	<a href="#">0118 08 13 39</a>	17	14	24	10	28	15.5	21	0.059
	G3/8	<a href="#">0118 08 17 39</a>	22	14	31.5	13.5	30	18	26.5	0.113
10	G1/4	<a href="#">0118 10 13 39</a>	17	19	30	13	34	19	23	0.119
	G3/8	<a href="#">0118 10 17 39</a>	22	19	31.5	13.5	34	19	26.5	0.127
12	G1/4	<a href="#">0118 12 13 39</a>	17	22	33	14.5	34	19	23	0.126
	G3/8	<a href="#">0118 12 17 39</a>	22	22	34.5	15	34	19	26.5	0.136
14	G1/4	<a href="#">0118 14 13 39</a>	17	24	36	16	37	20.5	28	0.190
	G3/8	<a href="#">0118 14 17 39</a>	22	24	37.5	16.5	37	20.5	28	0.198
15	G1/2	<a href="#">0118 14 21 39</a>	27	24	39	16.5	38	20.5	32.5	0.206
	G1/2	<a href="#">0118 15 21 39</a>	27	24	40	16.5	38	20.5	32.5	0.202
16	G1/2	<a href="#">0118 16 21 39</a>	27	27	40	16.5	38	21	32.5	0.222
18	G1/2	<a href="#">0118 18 21 39</a>	27	30	47	20	43	24.5	36	0.365
20	G3/4	<a href="#">0118 20 27 39</a>	32	32	50	20.5	44	24.5	39	0.394
22	G3/4	<a href="#">0118 22 27 39</a>	32	36	54	22.5	45	24.5	39	0.462

With bi-material sealing washer

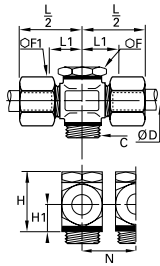
The bi-material sealing washers, part number 0139, can be found in chapter 9.

Max. working pressure 250 bar

# Brass Compression Fittings

## 0119 Double Banjo with Captive Sealing Washer, Male BSPP Thread

Brass, technical polymer



ØD	C		F	F1	H	H1	L1	L/2	N	Kg
4	G1/8	<a href="#">0119 04 10</a>	14	10	24	9.5	14.5	24	17.5	0.051
	G1/8	<a href="#">0119 06 10</a>	14	13	24	9.5	14.5	25	17.5	0.056
6	G1/4	<a href="#">0119 06 13</a>	17	13	25	10	16	26.5	21	0.073
	G1/8	<a href="#">0119 08 10</a>	14	14	24	9.5	15.5	28	17.5	0.070
8	G1/4	<a href="#">0119 08 13</a>	17	14	25	10	15.5	28	21	0.075
	G3/8	<a href="#">0119 08 17</a>	22	14	32	13	18	30.5	26.5	0.140
10	G1/4	<a href="#">0119 10 13</a>	17	19	31	13	19	34	23	0.156
	G3/8	<a href="#">0119 10 17</a>	22	19	32	13	19	34	26.5	0.173
12	G1/4	<a href="#">0119 12 13</a>	17	22	34	14.5	19	34	23	0.173
	G3/8	<a href="#">0119 12 17</a>	22	22	35	14.5	19	34	26.5	0.182
14	G1/4	<a href="#">0119 14 13</a>	17	24	37	16	20.5	37.5	28	0.246
	G3/8	<a href="#">0119 14 17</a>	22	24	38	16	20.5	37.5	28	0.245
	G1/2	<a href="#">0119 14 21</a>	27	24	40	16	20.5	38	32.5	0.219

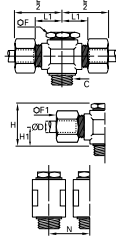
Thread with pre-assembled washer

Sealing washers 0602 can be found in Chapter 9.

Max. working pressure 20 bar

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

Brass, zinc-plated steel with NBR seal



ØD	C		F	F1	H	H1	L1	L/2	N	Kg
4	G1/8	<a href="#">0119 04 10 39</a>	14	10	23	9.5	14.5	24	17.5	0.050
	G1/8	<a href="#">0119 05 10 39</a>	14	12	23	9.5	14.5	25	17.5	0.049
	G1/4	<a href="#">0119 05 13 39</a>	17	12	24	10	126	26	21	0.072
6	G1/8	<a href="#">0119 06 10 39</a>	14	13	23	9.5	14.5	25	17.5	0.057
	G1/4	<a href="#">0119 06 13 39</a>	17	13	24	10	16	26	21	0.071
8	G1/8	<a href="#">0119 08 10 39</a>	14	14	23	9.5	15.5	28	17.5	0.071
	G1/4	<a href="#">0119 08 13 39</a>	17	14	24	10	15.5	28	21	0.075
	G3/8	<a href="#">0119 08 17 39</a>	22	14	31.5	13.5	18	30	26.5	0.137
	G1/4	<a href="#">0119 10 13 39</a>	17	19	30	13	19	34	23	0.156
10	G3/8	<a href="#">0119 10 17 39</a>	22	19	31.5	13.5	19	34	26.5	0.167
	G1/4	<a href="#">0119 12 13 39</a>	17	22	33	14.5	19	34	23	0.180
12	G1/4	<a href="#">0119 14 13 39</a>	17	24	36	16	20.5	37	28	0.248
	G3/8	<a href="#">0119 14 17 39</a>	22	24	37.5	16.5	20.5	37	28	0.247
14	G1/2	<a href="#">0119 14 21 39</a>	27	24	39	16.5	20.5	38	32.5	0.261
	G3/8	<a href="#">0119 15 17 39</a>	22	24	37.5	16.5	20.5	37	28	0.246
15	G1/2	<a href="#">0119 15 21 39</a>	27	24	40	16.5	20.5	38	32.5	0.251
	G1/2	<a href="#">0119 18 21 39</a>	27	30	47	20	24.5	43	36	0.471
20	G3/4	<a href="#">0119 20 27 39</a>	32	32	50	20.5	24.5	44	39	0.638
22	G3/4	<a href="#">0119 22 27 39</a>	32	36	54	22.5	24.5	45	39	0.610

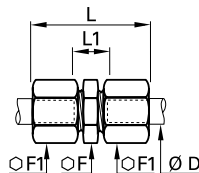
Thread with pre-assembled washer

Bi-material sealing washers, part number 0139, can be found in Chapter 9.

Max. working pressure 250 bar

## 0106 Equal Tube-to-Tube Connector

Brass



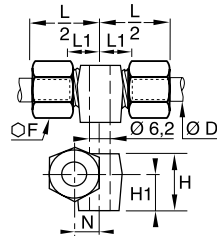
ØD		F	F1	L <sub>max</sub>	L1	Kg
4	<a href="#">0106 04 00</a>	10	10	28	10	0.017
5	<a href="#">0106 05 00</a>	11	12	31	11	0.024
6	<a href="#">0106 06 00</a>	11	13	32	11	0.026
8	<a href="#">0106 08 00</a>	13	14	36	10	0.031
10	<a href="#">0106 10 00</a>	17	19	42	13	0.070
12	<a href="#">0106 12 00</a>	19	22	42	13	0.091
14	<a href="#">0106 14 00</a>	22	24	45	11	0.103
15	<a href="#">0106 15 00</a>	22	24	45	11	0.098
16	<a href="#">0106 16 00</a>	24	27	48	13	0.142
18	<a href="#">0106 18 00</a>	27	30	53	14	0.188
20	<a href="#">0106 20 00</a>	30	32	56	14	0.215
22	<a href="#">0106 22 00</a>	32	36	60	14	0.282
25	<a href="#">0106 25 00</a>	36	41	64	14	0.401
28	<a href="#">0106 28 00</a>	41	42	64	14	0.397



# Brass Compression Fittings

## 0113 Equal Tube-to-Tube Connector with Mounting Boss

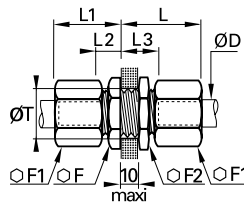
Brass



ØD		F	H	H1	L1	L/2	N	Kg
4	<a href="#">0113 04 00</a>	10	10.5	7	9.5	19	6	0.021
6	<a href="#">0113 06 00</a>	13	13	9	10	20.5	7	0.033
8	<a href="#">0113 08 00</a>	14	14.5	9.5	11	23.5	8	0.040
10	<a href="#">0113 10 00</a>	19	19.5	12.5	11	26	9	0.081
12	<a href="#">0113 12 00</a>	22	22	14	12	26.5	11	0.108
14	<a href="#">0113 14 00</a>	24	25	16	11	28	12	0.124

## 0116 Equal Bulkhead Connector

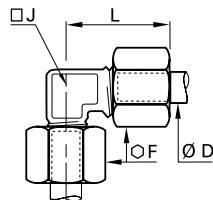
Brass



ØD		F	F1	F2	L max	L1 max	L2	L3	ØT min	Kg
4	<a href="#">0116 04 00</a>	10	10	13	27	17	7	17	8.3	0.024
5	<a href="#">0116 05 00</a>	13	12	14	28	18	7.5	17.5	10.3	0.035
6	<a href="#">0116 06 00</a>	13	13	14	28	19	7.5	17.5	10.3	0.037
8	<a href="#">0116 08 00</a>	14	14	17	29	20	7	17	12.3	0.045
10	<a href="#">0116 10 00</a>	19	19	22	33	25	9	19	16.5	0.100
12	<a href="#">0116 12 00</a>	22	22	22	33	25	9	19	18.5	0.121
14	<a href="#">0116 14 00</a>	24	24	27	35	25	8	18	20.5	0.144
15	<a href="#">0116 15 00</a>	24	24	24	35	25	8	18	20.5	0.134
16	<a href="#">0116 16 00</a>	27	27	27	36	28	9.5	19.5	22.5	0.188
18	<a href="#">0116 18 00</a>	27	30	30	40	30	10.5	20.5	24.5	0.238
20	<a href="#">0116 20 00</a>	32	30	32	41	31	11	21	27.5	0.275
22	<a href="#">0116 22 00</a>	36	36	36	42	32	11	21	30.5	0.376
25	<a href="#">0116 25 00</a>	36	41	38	46	36	11	21	33.5	0.479

## 0102 Equal Elbow

Brass



ØD		F	J	L max	Kg
4	<a href="#">0102 04 00</a>	10	5	19	0.016
5	<a href="#">0102 05 00</a>	12	8	21	0.025
6	<a href="#">0102 06 00</a>	13	8	22	0.027
8	<a href="#">0102 08 00</a>	14	10	28	0.038
10	<a href="#">0102 10 00</a>	19	12	30	0.072
12	<a href="#">0102 12 00</a>	22	15	30	0.098
14	<a href="#">0102 14 00</a>	24	19	35	0.133
15	<a href="#">0102 15 00</a>	24	19	35	0.123
16	<a href="#">0102 16 00</a>	27	19	39	0.165
18	<a href="#">0102 18 00</a>	30	23	41	0.230
20	<a href="#">0102 20 00</a>	32	23	42	0.236
22	<a href="#">0102 22 00</a>	36	27	50	0.373
25	<a href="#">0102 25 00</a>	41	27	54	0.452
28	<a href="#">0102 28 00</a>	42	32	54.5	0.474

### Related Products

Parker also offers another type of brass compression fitting:

**Metrulok**, with a one-piece olive/nut.

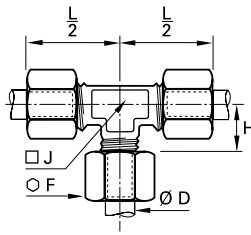
Do not hesitate to contact us.



# Brass Compression Fittings

## 0104 Equal Tee

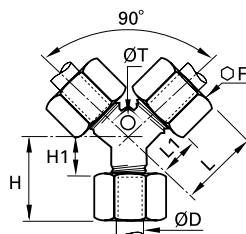
Brass



ØD		F	H	J	L/2	Kg
4	<a href="#">0104 04 00</a>	10	9.5	8	19	0.028
5	<a href="#">0104 05 00</a>	12	11	8	21	0.036
6	<a href="#">0104 06 00</a>	13	11	8	22	0.040
8	<a href="#">0104 08 00</a>	14	15	10	28	0.055
10	<a href="#">0104 10 00</a>	19	14.5	12	30	0.105
12	<a href="#">0104 12 00</a>	22	15	15	30	0.141
14	<a href="#">0104 14 00</a>	24	18	19	35	0.186
15	<a href="#">0104 15 00</a>	24	18	19	35	0.174
16	<a href="#">0104 16 00</a>	27	21	19	39	0.234
18	<a href="#">0104 18 00</a>	30	21.5	23	41	0.319
20	<a href="#">0104 20 00</a>	32	21.5	23	42	0.330
22	<a href="#">0104 22 00</a>	36	29	27	50	0.516
25	<a href="#">0104 25 00</a>	41	29	27	54	0.637
28	<a href="#">0104 28 00</a>	42	30	32	55	0.661

## 0142 Equal Y Piece with Mounting Boss

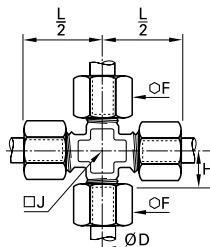
Brass



ØD		F	H max	H1	L max	L1	ØT	Kg
4	<a href="#">0142 04 00</a>	10	16.5	7	26.5	17	4.2	0.032
6	<a href="#">0142 06 00</a>	13	19.5	8.5	28	17	4.2	0.049
8	<a href="#">0142 08 00</a>	14	21	8	30	17	6.2	0.061
10	<a href="#">0142 10 00</a>	19	24.5	9	37.5	22	6.2	0.128
12	<a href="#">0142 12 00</a>	22	26	11	38	23	6.2	0.110
14	<a href="#">0142 14 00</a>	24	28	11	41.5	24.5	6.2	0.201
15	<a href="#">0142 15 00</a>	24	28	11	41.5	24.5	6.2	0.204
16	<a href="#">0142 16 00</a>	27	30	12	43	25	6.2	0.252
18	<a href="#">0142 18 00</a>	30	31.5	12	50.5	31	10.2	0.353

## 0107 Equal Cross

Brass



ØD		F	H	J	L/2	Kg
4	<a href="#">0107 04 00</a>	10	9.5	8	19	0.035
5	<a href="#">0107 05 00</a>	12	11	8	21	0.047
6	<a href="#">0107 06 00</a>	13	11	8	22	0.052
8	<a href="#">0107 08 00</a>	14	15	11	28	0.074
10	<a href="#">0107 10 00</a>	19	14.5	14	30	0.142
12	<a href="#">0107 12 00</a>	22	15	15	35	0.234
14	<a href="#">0107 14 00</a>	24	18	20	35	0.246
15	<a href="#">0107 15 00</a>	24	18	20	35	0.224
16	<a href="#">0107 16 00</a>	27	21	20	39	0.309
18	<a href="#">0107 18 00</a>	30	21.5	25	41	0.423
20	<a href="#">0107 20 00</a>	32	21.5	25	42	0.429
22	<a href="#">0107 22 00</a>	36	29	27	50	0.670
25	<a href="#">0107 25 00</a>	41	29	27	50	0.833

# Complementary Brass Fittings

## Reducers, Olives and Nuts

This innovative reducer system, using a full range of nuts and olives, enables **different diameters** of steel, copper, brass or polymer tubes to be fitted onto **a single Parker Legris compression fitting**.

### Product Advantages

#### Efficient Solution

Reduces envelope dimensions  
Quick and easy to assemble, whatever the diameters and tube material  
Improved stock management  
Silicone-free

#### Multiple Combinations

A single connector for up to 4 different tube materials and sizes  
Example:
 

- polymer tube 4 mm O.D.
- copper tube 8 mm O.D.
- brass tube 12 mm O.D.
- braided PVC hose 12 mm I.D.

 A full range of olives and nuts to optimise all assembly operations



Applications

Pneumatics  
Cooling  
Automotive Process  
Lubrication  
Fluid Transmission  
Packaging  
Industrial Machinery

#### Regulations

DI: 97/23/EC (PED)  
RG: 1907/2006 (REACH)  
DI: 2002/95/EC (RoHS)  
DI: 94/9/EC (ATEX)

### Reducer Assembly Procedure

Operation	Assembly Sequence	Assembled Fitting
<p><b>1</b> <b>Assemble the reducer</b> Place the reducer in the fitting body.</p>	<p><b>1</b></p>	
<p><b>2</b> <b>Assemble the nut and olive</b> Place the nut and then the olive onto the tube.</p>	<p><b>2</b></p>	
<p><b>3</b> <b>Assemble the nut</b> Push the tubing into the fitting until it butts against the tube reducer. Tighten the nut to the recommended torque (see opposite page).</p>	<p><b>3</b></p>	

# Complementary Brass Fittings

## Assembly Configuration

The table and information given below illustrate the large number of options available with Parker Legris brass compression fittings. To these must be added the advantages specific to the original Parker Legris reducer shown on the previous page.



Brass Body

0110 Brass			0110..60 Brass		0110..40 Steel	0110..70* Polymer
	0124 Brass	0111 BNA** Brass	0124 Brass	0111 BNA** Brass	0124...40 Steel	
No olive required to assemble the plug						No olive required to assemble the tube
Brass plug: <b>0126</b>	Copper, cold-rolled brass, polymer tube and barb connectors <b>0122</b> and <b>0165</b>	Coiled annealed copper tube	Cold-rolled copper tube for vibration and side loading, etc.	Coiled annealed copper tube for vibration and side loading, etc.	Steel or copper tube: low/medium hydraulic pressure, lubricate before assembly	Polymer tube

### \*Assembly specifications for nut-olive 0110 ..70

This part functions as both olive and nut for flexible polymer tube assemblies:

1. Hand tighten the polymer nut-olive a few turns onto the body of the fitting; the knurling makes this easier.
2. Then introduce the polymer tube and push home into the body of the fitting.
3. Continue manually tightening the polymer nut-olive.
4. Finish tightening using a spanner until the nut body disengages and turns freely, which acts as a torque limiter.

**N.B.:** To avoid damaging the threads, do not insert the tube before hand tightening the nut-olive into the body of the fitting.

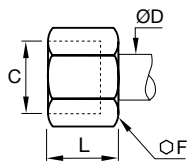
\*\*Bureau de Normalisation de l'Automobile (French Automotive Bureau of Standards)

## Recommended Tightening Torque

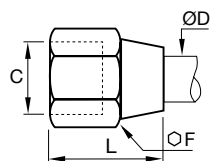
### Tightening torque in daN.m =

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

Nut **0110** and **0110..40**



Nut **0110..60**



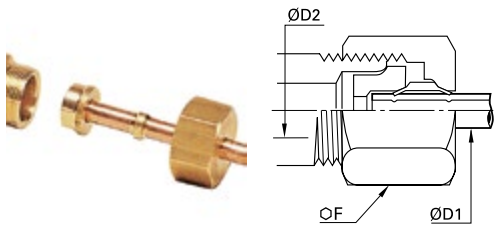
Ø D (mm)	ØF 0110	ØF 0110..60	max. daN.m copper or brass	ØF 0110..40	max. daN.m steel
4	10	11	0.7	10	1.5
5	12	13	0.7	12	1.5
6	13	13	1.5	13	2.5
8	14	16	1.5	14	2.5
10	19	20	1.8	19	3
12	22	22	3	22	4.5
14	24	24	3.5	24	5.5
15	24	24	4	24	6
16	27	27	5	27	7
18	30	30	6	30	9
20	32	32	6	32	10
22	36	36	7	36	12
25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


# Complementary Brass Compression Fittings

**0166**

## 3-Piece Reducer

Brass



	ØD1	ØD2		F	Kg
4	5		<b>0166 04 05</b>	13	0.011
	6		<b>0166 04 06</b>	13	0.011
	8		<b>0166 04 08</b>	14	0.012
	10		<b>0166 04 10</b>	19	0.030
	12		<b>0166 04 12</b>	22	0.044
	14		<b>0166 04 14</b>	24	0.054
5	15		<b>0166 04 15</b>	24	0.056
	6		<b>0166 05 06</b>	13	0.011
	8		<b>0166 05 08</b>	14	0.012
	10		<b>0166 05 10</b>	19	0.030
	12		<b>0166 05 12</b>	22	0.044
	14		<b>0166 05 14</b>	24	0.053
6	16		<b>0166 05 16</b>	27	0.078
	8		<b>0166 06 08</b>	14	0.011
	10		<b>0166 06 10</b>	19	0.030
	12		<b>0166 06 12</b>	22	0.043
	14		<b>0166 06 14</b>	24	0.052
	15		<b>0166 06 15</b>	24	0.054
8	16		<b>0166 06 16</b>	27	0.077
	10		<b>0166 08 10</b>	19	0.027
	12		<b>0166 08 12</b>	22	0.040
	14		<b>0166 08 14</b>	24	0.050
	15		<b>0166 08 15</b>	24	0.052
	16		<b>0166 08 16</b>	27	0.077
10	18		<b>0166 08 18</b>	30	0.099
	12		<b>0166 10 12</b>	22	0.037
	14		<b>0166 10 14</b>	24	0.045
	15		<b>0166 10 15</b>	24	0.047
	16		<b>0166 10 16</b>	27	0.068
	18		<b>0166 10 18</b>	30	0.095
12	20		<b>0166 10 20</b>	32	0.107
	22		<b>0166 10 22</b>	36	0.146
	25		<b>0166 10 25</b>	41	0.209
	14		<b>0166 12 14</b>	24	0.042
	15		<b>0166 12 15</b>	24	0.044
	16		<b>0166 12 16</b>	27	0.066
14	18		<b>0166 12 18</b>	30	0.091
	20		<b>0166 12 20</b>	32	0.102
	22		<b>0166 12 22</b>	36	0.141
	25		<b>0166 12 25</b>	41	0.200
	16		<b>0166 14 16</b>	27	0.060
	18		<b>0166 14 18</b>	30	0.085
15	20		<b>0166 14 20</b>	32	0.095
	22		<b>0166 14 22</b>	36	0.134
	25		<b>0166 14 25</b>	41	0.189
	18		<b>0166 15 18</b>	30	0.081
	22		<b>0166 15 22</b>	36	0.130
	18		<b>0166 16 18</b>	30	0.078
16	20		<b>0166 16 20</b>	32	0.087
	22		<b>0166 16 22</b>	36	0.125
	25		<b>0166 16 25</b>	41	0.185
	20		<b>0166 18 20</b>	32	0.082
	22		<b>0166 18 22</b>	36	0.118
	25		<b>0166 18 25</b>	41	0.180
18	28		<b>0166 18 28</b>	42	0.177
	20	25	<b>0166 20 25</b>	41	0.168
	22	28	<b>0166 22 28</b>	42	0.168

ØD1: tube to be fitted

ØD2: for a x mm fitting

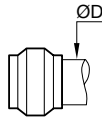
Each of the above part numbers comprises:

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

# Complementary Brass Compression Fittings

## 0124 Brass Olive

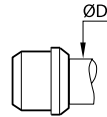
Brass



ØD		Kg
4	<a href="#">0124 04 00</a>	0.001
5	<a href="#">0124 05 00</a>	0.001
6	<a href="#">0124 06 00</a>	0.001
8	<a href="#">0124 08 00</a>	0.001
10	<a href="#">0124 10 00</a>	0.003
12	<a href="#">0124 12 00</a>	0.004
14	<a href="#">0124 14 00</a>	0.005
15	<a href="#">0124 15 00</a>	0.004
16	<a href="#">0124 16 00</a>	0.006
18	<a href="#">0124 18 00</a>	0.007
20	<a href="#">0124 20 00</a>	0.009
22	<a href="#">0124 22 00</a>	0.012
25	<a href="#">0124 25 00</a>	0.017
28	<a href="#">0124 28 00</a>	0.017

## 0124..40 Steel Olive

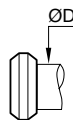
Zinc-plated steel



ØD		Kg
4	<a href="#">0124 04 00 40</a>	0.001
6	<a href="#">0124 06 00 40</a>	0.001
8	<a href="#">0124 08 00 40</a>	0.001
10	<a href="#">0124 10 00 40</a>	0.003
12	<a href="#">0124 12 00 40</a>	0.003
14	<a href="#">0124 14 00 40</a>	0.005
15	<a href="#">0124 15 00 40</a>	0.004
16	<a href="#">0124 16 00 40</a>	0.006
18	<a href="#">0124 18 00 40</a>	0.007
20	<a href="#">0124 20 00 40</a>	0.008
22	<a href="#">0124 22 00 40</a>	0.010
25	<a href="#">0124 25 00 40</a>	0.014

## 0111 BNA\* Brass Olive

Brass



ØD		Kg
4	<a href="#">0111 04 00</a>	0.001
5	<a href="#">0111 05 00</a>	0.001
6	<a href="#">0111 06 00</a>	0.001
8	<a href="#">0111 08 00</a>	0.001
10	<a href="#">0111 10 00</a>	0.002
12	<a href="#">0111 12 00</a>	0.002
14	<a href="#">0111 14 00</a>	0.002
15	<a href="#">0111 15 00</a>	0.003
16	<a href="#">0111 16 00</a>	0.003

\*Bureau de Normalisation de l'Automobile

### Related Products

Parker also offers another type of brass compression fitting:

**Metrolok**, with a one-piece olive/nut.

Do not hesitate to contact us.

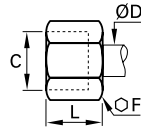




# Complementary Brass Compression Fittings

## 0110 Brass Nut

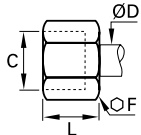
Brass



ØD	C		F	L	Kg
4	M8x1	<a href="#">0110 04 00</a>	10	11	0.005
5	M10x1	<a href="#">0110 05 00</a>	12	11	0.006
6	M10x1	<a href="#">0110 06 00</a>	13	11	0.008
8	M12x1	<a href="#">0110 08 00</a>	14	13	0.009
10	M16x1.5	<a href="#">0110 10 00</a>	19	15	0.018
12	M18x1.5	<a href="#">0110 12 00</a>	22	15	0.026
14	M20x1.5	<a href="#">0110 14 00</a>	24	15	0.029
15	M20x1.5	<a href="#">0110 15 00</a>	24	15	0.029
16	M22x1.5	<a href="#">0110 16 00</a>	27	17	0.042
18	M24x1.5	<a href="#">0110 18 00</a>	30	18	0.055
20	M27x1.5	<a href="#">0110 20 00</a>	32	18	0.057
22	M30x1.5	<a href="#">0110 22 00</a>	36	19	0.080
25	M33x1.5	<a href="#">0110 25 00</a>	41	21	0.121
28	M36x1.5	<a href="#">0110 28 00</a>	42	21	0.108

## 0110..40 Steel Nut

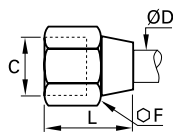
Zinc-plated steel



ØD	C		F	L	Kg
4	M8x1	<a href="#">0110 04 00 40</a>	10	11	0.004
5	M10x1	<a href="#">0110 05 00 40</a>	12	11.5	0.006
6	M10x1	<a href="#">0110 06 00 40</a>	13	12	0.008
8	M12x1	<a href="#">0110 08 00 40</a>	14	13.5	0.008
10	M16x1.5	<a href="#">0110 10 00 40</a>	19	16	0.018
12	M18x1.5	<a href="#">0110 12 00 40</a>	22	16.5	0.026
14	M20x1.5	<a href="#">0110 14 00 40</a>	24	17	0.030
15	M20x1.5	<a href="#">0110 15 00 40</a>	24	17	0.030
16	M22x1.5	<a href="#">0110 16 00 40</a>	27	18	0.043
18	M24x1.5	<a href="#">0110 18 00 40</a>	30	19	0.057
20	M27x1.5	<a href="#">0110 20 00 40</a>	32	20.5	0.061
22	M30x1.5	<a href="#">0110 22 00 40</a>	36	21.5	0.085

## 0110..60 Brass Long Nut

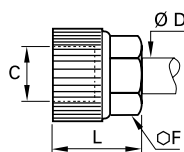
Brass



ØD	C		F	L	Kg
4	M8x1	<a href="#">0110 04 00 60</a>	11	14.5	0.007
5	M10x1	<a href="#">0110 05 00 60</a>	13	17	0.008
6	M10x1	<a href="#">0110 06 00 60</a>	13	17.5	0.011
8	M12x1	<a href="#">0110 08 00 60</a>	16	20	0.019
10	M16x1.5	<a href="#">0110 10 00 60</a>	20	23	0.032
12	M18x1.5	<a href="#">0110 12 00 60</a>	22	25	0.039
14	M20x1.5	<a href="#">0110 14 00 60</a>	24	30	0.051
15	M20x1.5	<a href="#">0110 15 00 60</a>	24	30	0.049
18	M24x1.5	<a href="#">0110 18 00 60</a>	30	35	0.098
20	M27x1.5	<a href="#">0110 20 00 60</a>	32	35	0.102
22	M30x1.5	<a href="#">0110 22 00 60</a>	36	36	0.129

## 0110..70 Technical Polymer Nut-Olive

Technical polymer



ØD	C		F	L	Kg
4	M8x1	<a href="#">0110 04 00 70</a>	8	13	0.008
6	M10x1	<a href="#">0110 06 00 70</a>	11	15	0.002
8	M12x1	<a href="#">0110 08 00 70</a>	13	16	0.002
10	M16x1.5	<a href="#">0110 10 00 70</a>	17	19	0.004
12	M18x1.5	<a href="#">0110 12 00 70</a>	19	19	0.005
14	M20x1.5	<a href="#">0110 14 00 70</a>	22	20	0.005

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

Max. working pressure 10 bar



Brass Compression Fittings

Compression Fittings

[National Sales Enquiries](mailto:sales@pneutech.com.au)  
[1300 879 613](tel:1300879613)  
[E: sales@pneutech.com.au](mailto:sales@pneutech.com.au)

# Self-Fastening Barb Connectors for NBR Hose

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**.

## Product Advantages

### Perfect for Self-Fastening NBR Hose

- Quick and simple to install
- Compatible with the Parker Legris range of brass compression fittings
- Mechanical properties proven for use in industrial robotic installations
- Spark-resistant

### Ergonomic and Time-Saving

- Fitting does not require lubrication or clamping, reducing assembly time
- Visual stop confirms installation is correct and improves operating safety
- Removal by cutting the tube
- The fitting can be re-used if necessary



**Applications**

- Welding Robots
- Pneumatics
- Compressed Air Systems
- Automotive Process
- Cooling

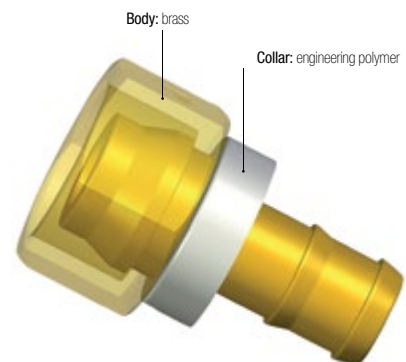
## Technical Characteristics

<b>Compatible Fluids</b>	Coolants, compressed air
<b>Working Pressure</b>	0 to 16 bar
<b>Working Temperature</b>	0°C to +100°C (water) -20°C to +70°C (air)

<b>Tightening Torque, Type 0132</b>	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.

### Component Materials



**Silicone-free**

### Self-Fastening Hose Assembly Machine

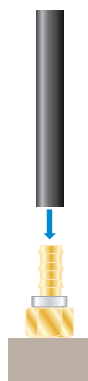
Machine designed to assemble a barb connector and a self-fastening NBR hose.

Machine part number:  
**0650 00 00 05**



#### Tube Cutting and Positioning

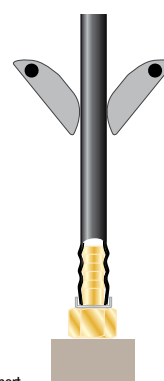
Cut the hose square and position the barb connector on the mounting tool.



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

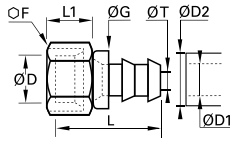
#### Industrial

DI: 2002/95/EC (RoHS), 2011/65/EC  
DI: 97/23/EC (PED)  
RG: 1907/2006 (REACH)  
CNOMO: E07.21.115N

# Self-Fastening Barb Connectors for NBR Hose

## 0132 Self-Fastening Barb Connector for Brass Compression Fitting

Brass

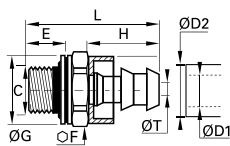


ØD	ØD1	ØD2		F	G	L	L1	ØT	Kg
6	6.3	13	<a href="#">0132 06 56</a>	12	16.5	32.5	12.5	4.8	0.010
8	6.3	13	<a href="#">0132 08 56</a>	14	16.5	29.5	11.5	4.8	0.015
10	6.3	13	<a href="#">0132 10 56</a>	19	16.5	30	14	4.8	0.028
	9.5	16	<a href="#">0132 10 60</a>	19	19.5	34	14	7.5	0.030
14	9.5	16	<a href="#">0132 14 60</a>	24	19.5	35.5	15	7.5	0.050
	12.7	19	<a href="#">0132 14 62</a>	24	23.5	39.5	15	10	0.054
18	12.7	19	<a href="#">0132 18 62</a>	30	23.5	41.5	17	10	0.090
	15.9	23	<a href="#">0132 18 66</a>	30	27	50	17	13.5	0.090
22	19.1	27	<a href="#">0132 22 69</a>	36	30.5	56.5	17	16	0.128

Polymer collar

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

Brass, zinc-plated steel with NBR seal

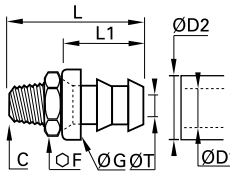


ØD1	ØD2	C		E	F	G	H	L	ØT	Kg
6.3	13	G1/8	<a href="#">0133 56 10 39</a>	5.5	13	14	20	31.5	4.8	0.012
		G1/4	<a href="#">0133 56 13 39</a>	7	17	17	20	33.5	4.8	0.018
9.5	16	G1/4	<a href="#">0133 60 13 39</a>	7	17	17	24	37.5	7.5	0.021
		G3/8	<a href="#">0133 60 17 39</a>	9.5	22	22	24	42.5	7.5	0.038
12.7	19	G3/8	<a href="#">0133 62 17 39</a>	9.5	22	22	28	46.5	10	0.044
		G1/2	<a href="#">0133 62 21 39</a>	10.5	27	26	28	48.5	10	0.060
15.9	23	G1/2	<a href="#">0133 66 21 39</a>	10.5	27	26	36.5	57	13.5	0.063
		G3/4	<a href="#">0133 66 27 39</a>	11.5	32	32	36.5	59	13.5	0.096
19.1	27	G3/4	<a href="#">0133 69 27 39</a>	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 chapter 9.

## 0134 Self-Fastening Barb Connector, Male BSPT Thread

Brass



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

Polymer collar

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

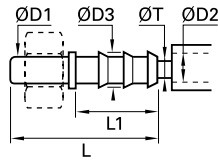
Barb Connector	O.D. (Tube)	Ø DN (Tube)	Self-Fastening NBR hose
<b>0132 10 56</b>	<b>10</b>	<b>1/4</b>	<b>10..H 56...</b>



# Brass Adaptors

## 0122 Barb Connector for Hose

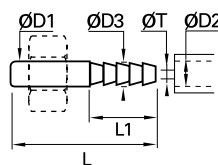
Brass



ØD1	ØD2		ØD3	L	L1	ØT min	Kg
4	4	<a href="#">0122 04 04</a>	6	37.5	22.5	3	0.004
5	4	<a href="#">0122 05 04</a>	6	37.5	22.5	3	0.003
6	4	<a href="#">0122 06 04</a>	6	37.5	22.5	3	0.005
	7	<a href="#">0122 06 07</a>	9	37.5	22.5	6	0.007
6	6	<a href="#">0122 08 06</a>	8	40	22.5	5	0.007
	7	<a href="#">0122 08 07</a>	9	40	22.5	6	0.008
8	10	<a href="#">0122 08 10</a>	12.5	40	22.5	9	0.012
	7	<a href="#">0122 10 07</a>	9	43	22.5	6	0.010
10	10	<a href="#">0122 10 10</a>	12.5	43	22.5	9	0.014
	10	<a href="#">0122 12 10</a>	12.5	43	22.5	9	0.013
12	13	<a href="#">0122 12 13</a>	15	50	29.5	12	0.018
	13	<a href="#">0122 14 13</a>	15	52	29.5	12	0.019
14	16	<a href="#">0122 14 16</a>	18.5	60.5	38	15	0.031
	13	<a href="#">0122 15 13</a>	15	52	29.5	12	0.020
15	16	<a href="#">0122 15 16</a>	18.5	60.5	38	15	0.032
	13	<a href="#">0122 16 13</a>	15	53.5	29.5	12	0.021
16	16	<a href="#">0122 16 16</a>	18.5	62	38	15	0.032
	16	<a href="#">0122 18 16</a>	18.5	62	38	15	0.032
18	19	<a href="#">0122 18 19</a>	21.5	62	38	18	0.040
	16	<a href="#">0122 20 16</a>	18.5	64	38	15	0.034
20	19	<a href="#">0122 20 19</a>	21.5	64	38	18	0.039
	19	<a href="#">0122 22 19</a>	21.5	64	38	18	0.041
22	19	<a href="#">0122 25 19</a>	21.5	70	38	18	0.048
	25	<a href="#">0122 25 25</a>	27.5	70	38	24	0.054
28	25	<a href="#">0122 28 25</a>	27.5	70	38	24	0.087

## 0165 Barb Connector for Flexible Tubing

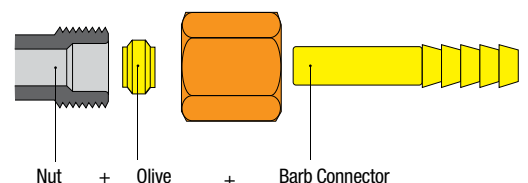
Brass



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

### 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.

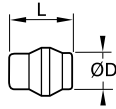




# Brass Adaptors

## 0126 Plug for Compression Fitting

Brass



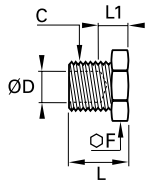
ØD		L	Kg
4	<a href="#">0126 04 00</a>	10	0.002
5	<a href="#">0126 05 00</a>	10	0.003
6	<a href="#">0126 06 00</a>	10	0.003
8	<a href="#">0126 08 00</a>	11.5	0.006
10	<a href="#">0126 10 00</a>	13	0.010
12	<a href="#">0126 12 00</a>	13	0.014
14	<a href="#">0126 14 00</a>	13.5	0.020
15	<a href="#">0126 15 00</a>	13.5	0.022
16	<a href="#">0126 16 00</a>	16	0.030
18	<a href="#">0126 18 00</a>	16	0.038
20	<a href="#">0126 20 00</a>	16	0.045
22	<a href="#">0126 22 00</a>	18	0.003
28	<a href="#">0126 28 00</a>	19.5	0.108

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	<a href="#">0125 04 00</a>	10	12	8	0.006
6	M10x1	<a href="#">0125 06 00</a>	11	13.5	9.5	0.008
8	M12x1	<a href="#">0125 08 00</a>	14	14	9	0.012
10	M16x1.5	<a href="#">0125 10 00</a>	17	18	11	0.025
12	M18x1.5	<a href="#">0125 12 00</a>	19	18	11	0.030
14	M20x1.5	<a href="#">0125 14 00</a>	22	19	11	0.041

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.

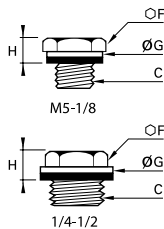
Therefore the plug screwed into the sleeve nut blanks off the tube.

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	<a href="#">0220 19 00</a>	8	8	5	0.002
G1/8	<a href="#">0220 10 00</a>	14	14	7.5	0.011
G1/4	<a href="#">0220 13 00</a>	17	17	7.5	0.020
G3/8	<a href="#">0220 17 00</a>	17	22	8.5	0.024
G1/2	<a href="#">0220 21 00</a>	22	27	10	0.041

Thread with pre-assembled sealing washer

M5: with screwdriver slot for tightening

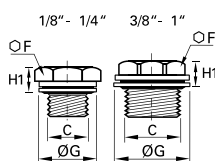
Maximum allowable working pressure = 20 bar

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	<a href="#">0220 10 00 39</a>	14	14	6.5	0.012
G1/4	<a href="#">0220 13 00 39</a>	17	17	6.5	0.020
G3/8	<a href="#">0220 17 00 39</a>	17	22	8	0.025
G1/2	<a href="#">0220 21 00 39</a>	22	26	9	0.043
G3/4	<a href="#">0220 27 00 39</a>	22	32	10	0.060
G1	<a href="#">0220 34 00 39</a>	27	39.5	10.5	0.089

Plug with bi-material seal

Bi-material washers part number 0139 can be found in chapter 9.

Max. working pressure 250 bar

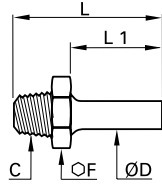


# Brass Adaptors

## 0120

### Stud Standpipe, Male BSPT Thread

Brass

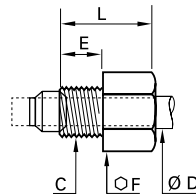


ØD	C		F	L	L1	Kg
4	R1/8	<a href="#">0120 04 10</a>	11	25.5	14	0.007
5	R1/8	<a href="#">0120 05 10</a>	11	26	14.5	0.007
6	R1/8	<a href="#">0120 06 10</a>	11	26.5	15	0.008
	R1/4	<a href="#">0120 06 13</a>	14	31	15	0.015
8	R1/8	<a href="#">0120 08 10</a>	11	28.5	17	0.009
	R1/4	<a href="#">0120 08 13</a>	14	33	17	0.016
10	R3/8	<a href="#">0120 08 17</a>	17	33.5	17	0.020
	R1/4	<a href="#">0120 10 13</a>	14	36	20	0.018
	R3/8	<a href="#">0120 10 17</a>	17	36.5	20	0.022
12	R1/2	<a href="#">0120 10 21</a>	22	41	20	0.040
	R1/4	<a href="#">0120 12 13</a>	14	36	20	0.018
14	R3/8	<a href="#">0120 12 17</a>	17	36.5	20	0.022
	R1/2	<a href="#">0120 12 21</a>	22	41	20	0.040
15	R3/8	<a href="#">0120 14 17</a>	17	38	21.5	0.023
	R1/2	<a href="#">0120 14 21</a>	22	42.5	21.5	0.041
16	R3/8	<a href="#">0120 15 17</a>	17	38	21.5	0.023
	R1/2	<a href="#">0120 15 21</a>	22	42.5	21.5	0.041
18	R3/8	<a href="#">0120 16 17</a>	17	39.5	23	0.024
	R1/2	<a href="#">0120 16 21</a>	22	44	23	0.042
20	R1/2	<a href="#">0120 18 21</a>	22	44.5	23.5	0.042
	R3/4	<a href="#">0120 18 27</a>	27	47.5	23.5	0.071
22	R3/4	<a href="#">0120 20 27</a>	27	49	25	0.070
	R1	<a href="#">0120 22 27</a>	27	48.5	25.5	0.067
25	R1	<a href="#">0120 22 34</a>	36	52.5	25.5	0.117
	R1	<a href="#">0120 25 34</a>	36	57	30	0.118
28	R1	<a href="#">0120 28 34</a>	36	57	30	0.140

## 0112

### Sleeve Nut for Compression Fitting, Male Metric Thread

Brass



ØD	C		E	F	L	Kg
4	M8x1	<a href="#">0112 04 00</a>	7	10	13	0.005
5	M10x1	<a href="#">0112 05 00</a>	7.5	11	13.5	0.007
6	M10x1	<a href="#">0112 06 00</a>	7.5	11	13.5	0.006
8	M12x1	<a href="#">0112 08 00</a>	8	13	15	0.009
10	M16x1.5	<a href="#">0112 10 00</a>	11	17	18	0.018
12	M18x1.5	<a href="#">0112 12 00</a>	11	19	18	0.021
14	M20x1.5	<a href="#">0112 14 00</a>	11	22	18	0.026

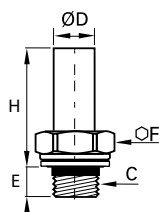
This product was designed to allow the tube to be fitted directly into the tapped port in a body using a standard Parker Legris olive.

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

# Brass Adaptors

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

Brass, zinc-plated steel with NBR seal

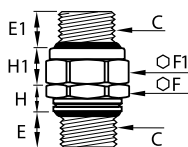


ØD	C		E	F	H	Kg
4	G1/8	<a href="#">0128 04 10 39</a>	7.5	13	20	0.009
	G1/4	<a href="#">0128 04 13 39</a>	9	17	22	0.015
6	G1/8	<a href="#">0128 06 10 39</a>	7.5	13	21	0.010
	G1/4	<a href="#">0128 06 13 39</a>	9	17	23	0.016
8	G1/8	<a href="#">0128 08 10 39</a>	7.5	13	23	0.011
	G1/4	<a href="#">0128 08 13 39</a>	9	17	25	0.017
10	G3/8	<a href="#">0128 08 17 39</a>	12	22	26	0.032
	G1/4	<a href="#">0128 10 13 39</a>	9	17	28	0.018
	G3/8	<a href="#">0128 10 17 39</a>	12	22	29	0.034
14	G1/2	<a href="#">0128 10 21 39</a>	27	27	30	0.049
	G3/8	<a href="#">0128 14 17 39</a>	12	22	30.5	0.035
18	G1/2	<a href="#">0128 14 21 39</a>	27	27	31.5	0.049
	G3/4	<a href="#">0128 18 21 39</a>	14	32	34.5	0.084
22	G3/4	<a href="#">0128 22 27 39</a>	14	32	36.5	0.082
	G1	<a href="#">0128 22 34 39</a>	16.5	41	38	0.123
28	G1	<a href="#">0128 28 34 39</a>	16.5	41	42.5	0.147

With bi-material seal. Bi-material washers part number 0139 can be found in Chapter 9.

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

Brass, NBR, zinc-plated steel with NBR seal



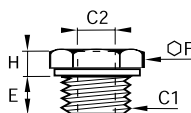
C		E	E1	F	F1	H	H1	Kg
G1/8	<a href="#">0151 10 10 39</a>	5.5	7	13	14	6	6.5	0.017
G1/4	<a href="#">0151 13 13 39</a>	7	8.5	17	19	6.5	9	0.036
G3/8	<a href="#">0151 17 17 39</a>	9.5	9.5	22	22	9	9	0.056
G1/2	<a href="#">0151 21 21 39</a>	10.5	10.5	27	27	10	10	0.083
G3/4	<a href="#">0151 27 27 39</a>	11.5	11.5	32	32	11	10	0.121
G1	<a href="#">0151 34 34 39</a>	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 Chapter 9.

## 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	<a href="#">0168 10 19 39</a>	8	14	4.5	0.009
	M5x0.8	<a href="#">0168 13 19 39</a>	8	17	5	0.018
G1/4	G1/8	<a href="#">0168 13 10 39</a>	8	17	5	0.012
	G1/8	<a href="#">0168 17 10 39</a>	10	19	5	0.020
G3/8	G1/4	<a href="#">0168 17 13 39</a>	10	19	5	0.013
	G1/8	<a href="#">0168 21 10 39</a>	12	24	7.5	0.052
G1/2	G1/4	<a href="#">0168 21 13 39</a>	12	24	7.5	0.044
	G3/8	<a href="#">0168 21 17 39</a>	12	24	7.5	0.031
G3/4	G1/4	<a href="#">0168 27 13 39</a>	12	32	9.5	0.100
	G3/8	<a href="#">0168 27 17 39</a>	12	32	9.5	0.086
	G1/2	<a href="#">0168 27 21 39</a>	12	32	9.5	0.065

With bi-material seal.

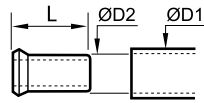
Bi-material washers part number 0139 can be found in Chapter 9.


# Brass Adaptors

**0127**

## Brass Tube Support for Polymer Tubing

Brass



	ØD1	ØD2		L	Kg
4		2	<a href="#">0127 04 00</a>	11	0.001
		2.7	<a href="#">0127 04 27</a>	11	0.001
5		3	<a href="#">0127 05 03</a>	11	0.001
		3.3	<a href="#">0127 05 00</a>	11.5	0.009
6		4	<a href="#">0127 06 00</a>	11.5	0.001
		5.5	<a href="#">0127 08 55</a>	14	0.001
8		6	<a href="#">0127 08 00</a>	14	0.001
		7	<a href="#">0127 10 07</a>	18	0.001
10		7.5	<a href="#">0127 10 75</a>	18	0.001
		8	<a href="#">0127 10 00</a>	18	0.002
12		8	<a href="#">0127 12 08</a>	18	0.002
		9	<a href="#">0127 12 09</a>	18	0.002
14		10	<a href="#">0127 12 00</a>	18	0.001
		11	<a href="#">0127 14 11</a>	18	0.002
15		12	<a href="#">0127 14 00</a>	18	0.002
		12	<a href="#">0127 15 12</a>	18	0.002
16		13	<a href="#">0127 16 13</a>	18	0.003
		14	<a href="#">0127 18 14</a>	19.5	0.003
20		15	<a href="#">0127 20 15</a>	20.5	0.003
		16	<a href="#">0127 22 16</a>	21	0.004
25	19	<a href="#">0127 25 19</a>	25	0.007	

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

# Stainless Steel Compression Fitting Range

## Stainless Steel Fittings

### Stud Fittings

<b>1805</b> BSPT Page 5-34	<b>1805</b> NPT Page 5-34	<b>1814</b> BSPP Page 5-34	<b>1809</b> BSPT Page 5-35	<b>1809</b> NPT Page 5-35	<b>1820</b> BSPT Page 5-35	<b>1820</b> NPT Page 5-35
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### Tube-to-Tube Fittings

<b>1806</b> Page 5-36	<b>1816</b> Page 5-36	<b>1802</b> Page 5-36	<b>1804</b> Page 5-36
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### Complementary Fittings

<b>1866</b> Page 5-39	<b>1824</b> Page 5-39	<b>1810</b> Page 5-39
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### Accessories

<b>1822</b> Page 5-39	<b>1827</b> Page 5-39
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# Stainless Steel Compression Fittings

**Manufactured in 316L stainless steel**, these fittings combine all the advantages of the "universal" compression fitting with **excellent resistance** to environmental conditions and **corrosive fluids**. They are pressure and temperature-resistant and are able to withstand strong vibration and water hammer.

## Product Advantages

### For Use in Many Environments

Manufactured in 316L stainless steel  
 Suitable for all environments and fluids  
 Resistant to water hammer and vibration  
 Excellent sealing and retention of the tube  
 Suitable for pneumatic and medium pressure hydraulic applications  
 Metallic sealing guarantees maximum service life

### Many Tube Options

Possibility of easily connecting different tube materials and diameters to the same fitting body  
 No tube support required for rigid and semi-rigid polyamide tubing below 12 mm



Food Process  
 Fluid Transmission  
 Pneumatics  
 Automotive Process  
 Petrochemical  
 Chemical  
 Offshore Oil & Gas

Applications

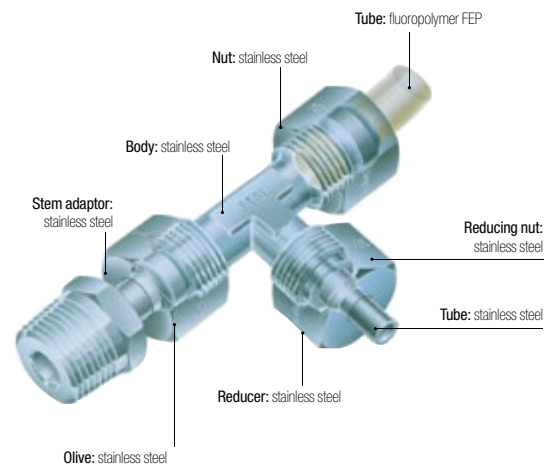
## Technical Characteristics

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

<b>Tightening Torques</b>	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.

### Component Materials



**Silicone-free**

### 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

### Regulations

DI: 2002/95/EC (RoHS), 2011/65/EC  
 DI: 97/23/EC (PED)  
 RG: 1935/2004  
 RG: 1907/2006 (REACH)  
 DI: 94/09/EC (ATEX)  
 FDA: 21 CFR 177.1550  
 NACE MR0175: compatible materials  
 ISO 15156-1/-2/-3: compatible materials

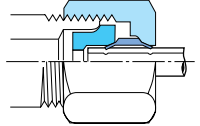
# Stainless Steel Compression Fittings

## Installation

### Fitting

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

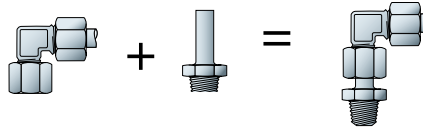
#### Diagram: Assembled Fitting



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

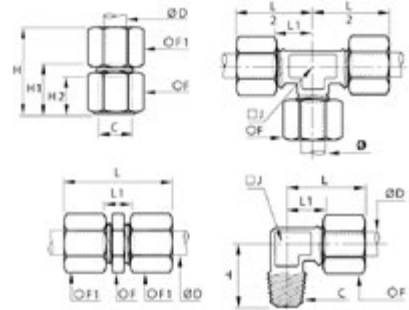
### Orientable Elbow Assembly

Elbow  
**1802**      Adaptor  
**1820**



### Customised Fittings

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



## Technical Characteristics

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  $\pm 0.1$  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.

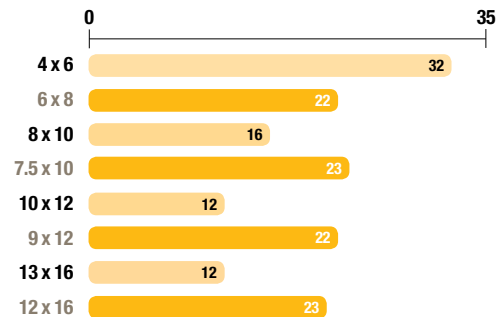
**Stainless steel tube**

Stainless steel tube: in cold-rolled straight lengths

Coiled annealed stainless tube: reduces working pressure by 35%; do not use if there is vibration.

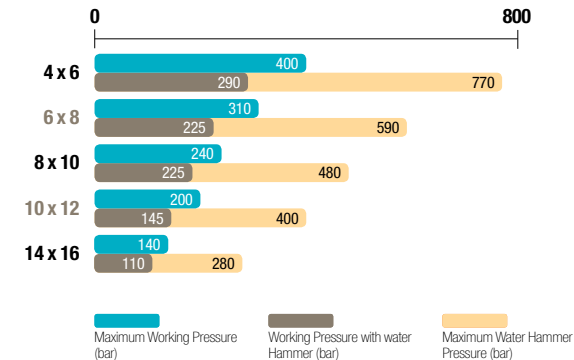
#### Semi-Rigid Polyamide Tube

Maximum Working Pressure (bar)



#### Stainless Steel Tube

Maximum Working Pressure (bar)



### Working Pressure Coefficients for Semi-Rigid Tubing

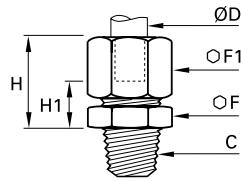
Temperature °C	-40°C / -15°C	-15°C / +30°C	+30°C / +50°C	+50°C / +70°C	+70°C / +100°C
Factor	1.8	1	0.68	0.55	0.31

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

# Stainless Steel Compression Fittings

## 1805 Stud Fitting, Male BSPT Thread

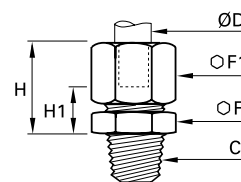
Stainless steel 316L



ØD	C		F	F1	H <sub>max</sub>	H1	Kg
6	R1/8	<a href="#">1805 06 10</a>	12	13	19.5	7.5	0.017
	R1/4	<a href="#">1805 06 13</a>	14	13	19.5	7.5	0.024
8	R1/8	<a href="#">1805 08 10</a>	13	14	21	7	0.019
	R1/4	<a href="#">1805 08 13</a>	14	14	21	7	0.025
10	R1/4	<a href="#">1805 10 13</a>	17	19	25.5	9	0.043
	R3/8	<a href="#">1805 10 17</a>	17	19	25.5	9	0.049
12	R1/2	<a href="#">1805 10 21</a>	22	19	26.5	10	0.077
	R1/4	<a href="#">1805 12 13</a>	19	22	26	9	0.054
	R3/8	<a href="#">1805 12 17</a>	19	22	26	9	0.057
16	R1/2	<a href="#">1805 12 21</a>	22	22	27	10	0.081
	R3/8	<a href="#">1805 16 17</a>	24	27	28.5	9.5	0.085
	R1/2	<a href="#">1805 16 21</a>	24	27	28.5	9.5	0.095

## 1805 Stud Fitting, Male NPT Thread

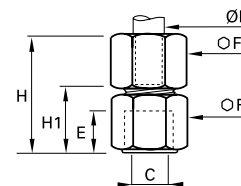
Stainless steel 316L



ØD	C		F	F1	H <sub>max</sub>	H1	Kg
6	NPT1/8	<a href="#">1805 06 11</a>	12	13	19.5	7.5	0.018
	NPT1/4	<a href="#">1805 06 14</a>	14	13	19.5	7.5	0.027
	NPT3/8	<a href="#">1805 06 18</a>	19	13	20.5	8.5	0.033
8	NPT1/2	<a href="#">1805 06 22</a>	22	13	21.5	9.5	0.049
	NPT1/8	<a href="#">1805 08 11</a>	13	14	21	7	0.020
	NPT1/4	<a href="#">1805 08 14</a>	14	14	21	7	0.027
10	NPT1/4	<a href="#">1805 10 14</a>	17	19	25.5	9	0.046
	NPT3/8	<a href="#">1805 10 18</a>	19	19	25.5	9	0.055
	NPT1/2	<a href="#">1805 10 22</a>	22	19	26.5	10	0.081
12	NPT1/4	<a href="#">1805 12 14</a>	19	22	26	9	0.056
	NPT3/8	<a href="#">1805 12 18</a>	19	22	26	9	0.060
	NPT1/2	<a href="#">1805 12 22</a>	22	22	27	10	0.087
16	NPT3/8	<a href="#">1805 16 18</a>	24	27	28.5	9.5	0.087
	NPT1/2	<a href="#">1805 16 22</a>	24	27	28.5	9.5	0.097

## 1814 Stud Fitting, Female BSPP Thread

Stainless steel 316L



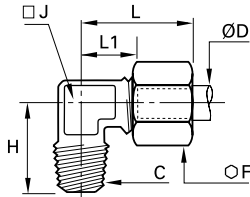
ØD	C		E	F	F1	H <sub>max</sub>	H1	Kg
6	G1/8	<a href="#">1814 06 10</a>	7.5	14	13	29	17	0.023
	G1/4	<a href="#">1814 06 13</a>	11	17	13	29	21	0.032
8	G1/4	<a href="#">1814 08 13</a>	11	17	14	34.5	20.5	0.033
10	G3/8	<a href="#">1814 10 17</a>	11.5	22	19	38.5	22	0.064
	G1/2	<a href="#">1814 10 21</a>	15	27	19	43	26.5	0.094
12	G3/8	<a href="#">1814 12 17</a>	11.5	22	22	39	22	0.073
	G1/2	<a href="#">1814 12 21</a>	15	27	22	43.5	26.5	0.103
16	G1/2	<a href="#">1814 16 21</a>	15	27	27	45	26	0.121



# Stainless Steel Compression Fittings

## 1809 Stud Elbow, Male BSPT Thread

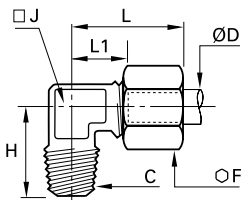
Stainless steel 316L



ØD	C		F	H	J	L <sub>max</sub>	L1	Kg
6	R1/8	<a href="#">1809 06 10</a>	13	18	8	25.5	13.5	0.020
	R1/4	<a href="#">1809 06 13</a>	13	23	10	25.5	13.5	0.029
8	R1/8	<a href="#">1809 08 10</a>	14	20.5	10	28.5	14.5	0.026
	R1/4	<a href="#">1809 08 13</a>	14	23	10	28.5	14.5	0.030
10	R1/4	<a href="#">1809 10 13</a>	19	25	12	32.5	16	0.050
	R3/8	<a href="#">1809 10 17</a>	19	25.5	12	32.5	16	0.058
	R1/2	<a href="#">1809 10 21</a>	19	32	18	36.5	20	0.093
12	R1/4	<a href="#">1809 12 13</a>	22	26	14	34	17	0.067
	R3/8	<a href="#">1809 12 17</a>	22	27	14	34	17	0.069
	R1/2	<a href="#">1809 12 21</a>	22	32	18	37	20	0.100
16	R3/8	<a href="#">1809 16 17</a>	27	28.5	18	39.5	21	0.108
	R1/2	<a href="#">1809 16 21</a>	27	31.5	18	39.5	21	0.115

## 1809 Stud Elbow, Male NPT Thread

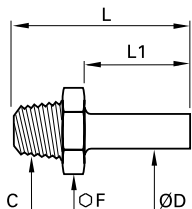
Stainless steel 316L



ØD	C		F	H	J	L <sub>max</sub>	L1	Kg
6	NPT1/8	<a href="#">1809 06 11</a>	13	19.5	8	25.5	13.5	0.021
	NPT1/4	<a href="#">1809 06 14</a>	13	25.5	10	25.5	13.5	0.032
	NPT3/8	<a href="#">1809 06 18</a>	13	28	12	27	15	0.046
	NPT1/2	<a href="#">1809 06 22</a>	13	34	12	29	17	0.071
8	NPT1/8	<a href="#">1809 08 11</a>	14	22	10	28.5	14.5	0.027
	NPT1/4	<a href="#">1809 08 14</a>	14	25.5	10	28.5	14.5	0.033
10	NPT1/4	<a href="#">1809 10 14</a>	19	27.5	12	32.5	16	0.052
	NPT3/8	<a href="#">1809 10 18</a>	19	28	12	32.5	16	0.062
	NPT1/2	<a href="#">1809 10 22</a>	19	35	18	36.5	20	0.096
12	NPT1/4	<a href="#">1809 12 14</a>	22	28.5	14	34	17	0.068
	NPT3/8	<a href="#">1809 12 18</a>	22	29.5	14	34	17	0.073
	NPT1/2	<a href="#">1809 12 22</a>	22	35	18	37	20	0.104
16	NPT3/8	<a href="#">1809 16 18</a>	27	31	18	39.5	21	0.110
	NPT1/2	<a href="#">1809 16 22</a>	27	34.5	18	39.5	21	0.116

## 1820 Stud Standpipe, Male BSPT Thread

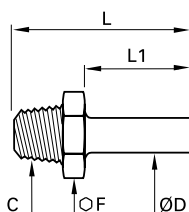
Stainless steel 316L



ØD	C		F	L	L1	Kg
6	R1/8	<a href="#">1820 06 10</a>	12	26.5	15	0.009
	R1/4	<a href="#">1820 06 13</a>	14	31	15	0.018
8	R1/8	<a href="#">1820 08 10</a>	12	28.5	17	0.008
	R1/4	<a href="#">1820 08 13</a>	14	33	17	0.017
10	R1/4	<a href="#">1820 10 13</a>	14	36	20	0.017
	R3/8	<a href="#">1820 10 17</a>	17	36.5	20	0.025
	R1/2	<a href="#">1820 10 21</a>	22	41	20	0.053
12	R1/4	<a href="#">1820 12 13</a>	14	36	20	0.016
	R3/8	<a href="#">1820 12 17</a>	17	36.5	20	0.022
	R1/2	<a href="#">1820 12 21</a>	22	41	20	0.049
16	R3/8	<a href="#">1820 16 17</a>	17	39.5	23	0.022
	R1/2	<a href="#">1820 16 21</a>	22	44	23	0.039

## 1820 Stud Standpipe, Male NPT Thread

Stainless steel 316L

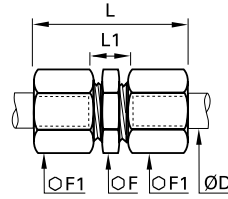


ØD	C		F	L	L1	Kg
6	NPT1/8	<a href="#">1820 06 11</a>	12	26.5	15	0.010
	NPT1/4	<a href="#">1820 06 14</a>	14	31	15	0.019
8	NPT1/8	<a href="#">1820 08 11</a>	12	28.5	17	0.009
	NPT1/4	<a href="#">1820 08 14</a>	14	33	17	0.019
10	NPT1/4	<a href="#">1820 10 14</a>	14	36	20	0.018
	NPT3/8	<a href="#">1820 10 18</a>	19	36.5	20	0.032
	NPT1/2	<a href="#">1820 10 22</a>	22	41	20	0.060
12	NPT1/4	<a href="#">1820 12 14</a>	14	36	20	0.019
	NPT3/8	<a href="#">1820 12 18</a>	19	36.5	20	0.028
	NPT1/2	<a href="#">1820 12 22</a>	22	41	20	0.053
16	NPT3/8	<a href="#">1820 16 18</a>	19	39.5	23	0.027
	NPT1/2	<a href="#">1820 16 22</a>	22	44	23	0.042

# Stainless Steel Compression Fittings

## 1806 Equal Tube-to-Tube Connector

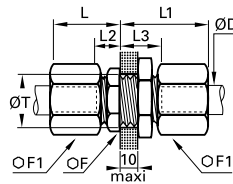
Stainless steel 316L



ØD		F	F1	L <sub>max</sub>	L1	Kg
6	<a href="#">1806 06 00</a>	12	13	34.5	11	0.024
8	<a href="#">1806 08 00</a>	13	14	38.5	10	0.029
10	<a href="#">1806 10 00</a>	17	19	46	13	0.066
12	<a href="#">1806 12 00</a>	19	22	47	13	0.085
16	<a href="#">1806 16 00</a>	24	27	51	13	0.136

## 1816 Equal Bulkhead Connector

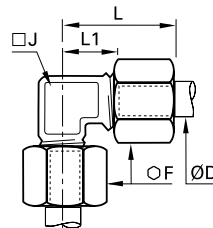
Stainless steel 316L



ØD		F	F1	L <sub>max</sub>	L1 <sub>max</sub>	L2	L3	ØT <sub>min</sub>	Kg
6	<a href="#">1816 06 00</a>	13	13	28	19	7.5	17	10.5	0.035
8	<a href="#">1816 08 00</a>	14	14	29	20	7	17	12.5	0.042
10	<a href="#">1816 10 00</a>	19	19	33	25	9	19	16.5	0.093
12	<a href="#">1816 12 00</a>	22	22	33	25	9	19	18.5	0.113
16	<a href="#">1816 16 00</a>	27	27	36	28	9.5	19.5	22.5	0.179

## 1802 Equal Elbow

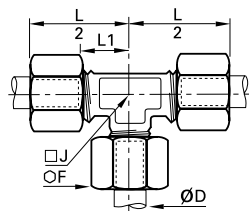
Stainless steel 316L



ØD		F	J	L <sub>max</sub>	L1	Kg
6	<a href="#">1802 06 00</a>	13	8	25.5	13.5	0.027
8	<a href="#">1802 08 00</a>	14	10	28.5	14.5	0.035
10	<a href="#">1802 10 00</a>	19	12	32.5	16	0.069
12	<a href="#">1802 12 00</a>	22	14	34	17	0.093
16	<a href="#">1802 16 00</a>	27	18	39.5	21	0.152

## 1804 Equal Tee

Stainless steel 316L



ØD		F	J	L1	L/2	Kg
6	<a href="#">1804 06 00</a>	13	8	13.5	25.5	0.039
8	<a href="#">1804 08 00</a>	14	10	14.5	28.5	0.049
10	<a href="#">1804 10 00</a>	19	12	16	32.5	0.102
12	<a href="#">1804 12 00</a>	22	14	17	34	0.132
16	<a href="#">1804 16 00</a>	27	18	21	39.5	0.215





Stainless Steel  
Compression Fittings

Compression Fittings

National Sales Enquiries  
1300 879 613  
E: [sales@pneutech.com.au](mailto:sales@pneutech.com.au)

# Complementary Stainless Steel Fittings

## Reducers, Olives and Nuts

This innovative reducer system, using a full range of nuts and olives, enables **different diameters** of stainless steel, fluoropolymer or polymer tubes to be fitted onto **a single Parker Legris compression fitting**.

### Product Advantages

#### Efficient Solution

- Reduces envelope dimensions
- Quick and easy to assemble, whatever the diameters and tube material
- Improved stock management
- Silicone-free

#### Multiple Combinations

- A single connector for up to 3 different tube materials and sizes.
- Example:
- Advanced PE tubing 6 mm O.D.
  - stainless steel tubing 8 mm O.D.
  - fluoropolymer tubing 12 mm O.D. or braided PVC hose 10 mm I.D.
- A full range of olives and nuts to optimise all assembly operations



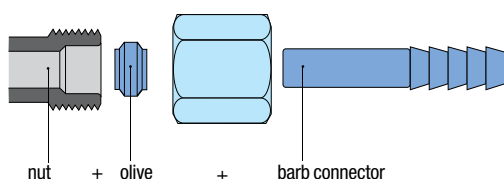
Food Process  
Fluid Transmission  
Pneumatics  
Automotive Process  
Petrochemical  
Cooling & Heating  
Chemical  
Offshore Oil & Gas

Applications

### Reducer Assembly Procedure

Operation	Assembly Sequence	Assembled Fitting
<p><b>1</b></p> <p><b>Assemble the reducer</b> Place the reducer in the fitting body.</p>	<p><b>1</b></p>	
<p><b>2</b></p> <p><b>Assemble the nut and olive</b> Place the nut and then the olive onto the tube.</p>	<p><b>2</b></p>	
<p><b>3</b></p> <p><b>Assemble the nut</b> Push the tube into the fitting until it bottoms on the reducer. Tighten the nut to the recommended torque (see opposite page).</p>	<p><b>3</b></p>	

### Assembly: Barb Connectors



#### Regulations

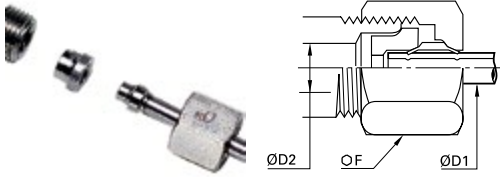
DI: 2002/95/EC (RoHS), 2011/65/EC  
DI: 97/23/EC (PED)  
RG: 1935/2004  
RG: 1907/2006 (REACH)  
DI: 94/09/EC (ATEX)  
FDA: 21 CFR 177.1550  
NACE MR0175: compatible materials  
ISO 15156-1/-2/-3: compatible materials

Our barb connector 1822 is designed to be also used with different types of hose. It is secured using the nut and olive provided with the fitting.

# Stainless Steel Compression Fittings

## 1866 3-Piece Reducer

Stainless steel 316L



ØD1	ØD2		F	Kg
6	8	<a href="#">1866 06 08</a>	14	0.011
	10	<a href="#">1866 06 10</a>	19	0.027
	12	<a href="#">1866 06 12</a>	22	0.040
8	10	<a href="#">1866 08 10</a>	19	0.025
	12	<a href="#">1866 08 12</a>	22	0.037
10	12	<a href="#">1866 10 12</a>	22	0.034
	16	<a href="#">1866 10 16</a>	27	0.065
12	16	<a href="#">1866 12 16</a>	27	0.061

## 1824 Stainless Steel Olive

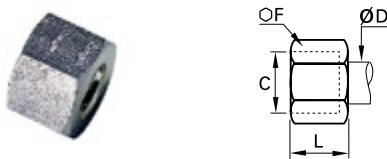
Stainless steel 316L



ØD		Kg
6	<a href="#">1824 06 00</a>	0.001
8	<a href="#">1824 08 00</a>	0.001
10	<a href="#">1824 10 00</a>	0.003
12	<a href="#">1824 12 00</a>	0.004
16	<a href="#">1824 16 00</a>	0.005

## 1810 Stainless Steel Nut

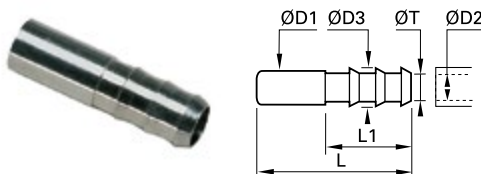
Stainless steel 316L



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

## 1822 Barb Adaptor for Hose

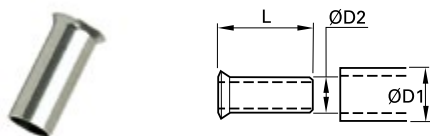
Stainless steel 316L



ØD1	ØD2		ØD3	L	L1	ØT min	Kg
6	7	<a href="#">1822 06 07</a>	9	37.5	22.5	6	0.006
	6	<a href="#">1822 08 06</a>	8	40	22.5	5	0.007
8	7	<a href="#">1822 08 07</a>	9	40	22.5	6	0.007
	10	<a href="#">1822 08 10</a>	12.5	40	22.5	9	0.011
10	7	<a href="#">1822 10 07</a>	9	43	22.5	6	0.009
	10	<a href="#">1822 10 10</a>	12.5	43	22.5	9	0.013
12	10	<a href="#">1822 12 10</a>	12.2	43	22.5	9	0.012
	13	<a href="#">1822 12 13</a>	15	50	29.5	13	0.016

## 1827 Stainless Steel Tube Support for Fluoropolymer Tubing

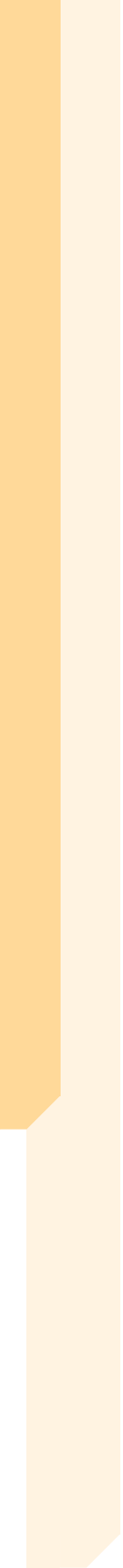
Stainless steel 316L



ØD1	ØD2		L	Kg
6	4	<a href="#">1827 06 00</a>	11.5	0.001
8	6	<a href="#">1827 08 00</a>	14	0.001
10	8	<a href="#">1827 10 00</a>	18	0.001
12	9	<a href="#">1827 12 09</a>	18	0.001
	10	<a href="#">1827 12 00</a>	18	0.001
16	14	<a href="#">1827 16 00</a>	18	0.002

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





# PL Nickel-Plated Brass Spigot Fitting Range

## Stud Fittings

### Straights

- F3BPL**  
BSPT  
Page 5-43
- F3BPL-1**  
BSPT  
Page 5-43
- F4BPL**  
BSPP  
Page 5-43
- F8BPL**  
Metric  
Page 5-43
- F8BPL-1**  
Metric  
Page 5-43



### Elbows

- C3BPL**  
BSPT  
Page 5-44
- C3BPL-1**  
BSPT  
Page 5-44
- C4BPL**  
BSPP  
Page 5-44
- C8BPL**  
Metric  
Page 5-44



### Tees

- R3BPL**  
BSPT  
Page 5-45
- S3BPL**  
BSPT  
Page 5-45



## Banjo Fitting

### Banjo Fitting

- COR4BPL**  
BSPP  
Page 5-45



## Tube-to-Tube Fittings

### Straights

- HBPL**  
Union  
Page 5-46
- HBPL-1**  
Union  
Page 5-46



### Tees

- JBPL**  
Union  
Page 5-46
- JBPL-1**  
Union  
Page 5-46



### Bulkhead Connectors

- WBPL**  
Page 5-47
- WBPL-1**  
Page 5-47



## Complementary Fittings

- BPLM**  
Nut  
Page 5-47
- BPLM-M**  
Nut  
Page 5-47
- 0164**  
NPT/BSPP  
Page 5-47





# 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 for easy tightening  
Quick to assemble and disassemble  
Compatible with flexible and semi-rigid tubes (polyurethane, polyamide, polyethylene, fluoropolymers, etc.)  
Mechanical stop on the body to prevent overtightening

### Performance

Reliable direct sealing system without the use of a seal or olive  
Low pressure  
Nickel-plated for increased corrosion resistance



Food Process  
Painting  
Pneumatic Systems  
Chemical  
Welding  
Laboratories  
Railway

Applications

## Technical Characteristics

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

<b>Tightening Torque (Nm)</b>	M5x0.8	M6x1	1/8	1/4	3/8	1/2
<b>BSPT Thread</b>			8	12	14	16
<b>BSPP Thread with "O" ring</b>			1.2	1.5	2.5	3.5
<b>BSPP Thread with metal sleeve</b>			5	8	10	12
<b>Metric Thread</b>	0.8	0.8				

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.  
Guaranteed for use with a vacuum of 755 mm Hg (99% vacuum).  
For use with fire-proof tubing: please consult us.

## Installation

### Cutting the Tube



Cut the polymer tube square.

### Preparing the Connection



Slide the nut onto the tube.

### Connecting the Tube



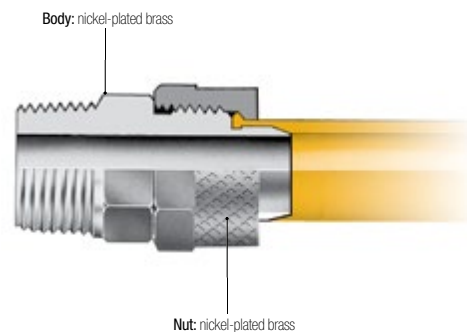
Push the tube home into the body of the fitting.

### 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.

### Component Materials

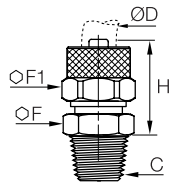


Silicone-free

# Stud Fittings

## F3BPL Stud Fitting, Male BSPT Thread

Nickel-plated brass

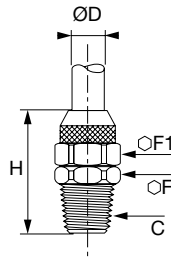


ØD	C		F	F1	H	Kg
2.7x4	R1/8	<a href="#">F3BPL2.7/4-1/8</a>	12	8	24	0.009
4x6	R1/8	<a href="#">F3BPL4/6-1/8</a>	12	12	27.5	0.016
	R1/4	<a href="#">F3BPL4/6-1/4</a>	14	12	31	0.025
6x8	R1/8	<a href="#">F3BPL6/8-1/8</a>	12	14	27.5	0.019
	R1/4	<a href="#">F3BPL6/8-1/4</a>	14	14	31	0.026
	R3/8	<a href="#">F3BPL6/8-3/8</a>	17	14	31.5	0.030
8x10	R1/4	<a href="#">F3BPL8/10-1/4</a>	14	16	32.5	0.031
	R3/8	<a href="#">F3BPL8/10-3/8</a>	17	16	33	0.043
10x12	R3/8	<a href="#">F3BPL10/12-3/8</a>	17	18	34.5	0.036

Compatible with BPLM-M nut only

## F3BPL-1 Stud Fitting, Male BSPT Thread

Nickel-plated brass

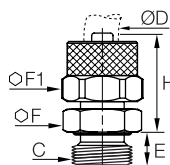


ØD	C		F	F1	H	Kg
7.5x10	R1/4	<a href="#">F3BPL7.5/10-1/4</a>	14	16	27.5	0.031
	R3/8	<a href="#">F3BPL7.5/10-3/8</a>	17	16	28.5	0.037
11x14	R3/8	<a href="#">F3BPL11/14-3/8</a>	19	22	32.5	0.058

Compatible with BPLM nut only  
Maximum working pressure: 40 bar

## F4BPL Stud Fitting, Male BSPP Thread

Nickel-plated brass, NBR

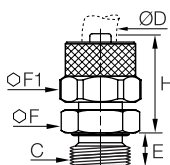


ØD	C		E	F	F1	H	Kg
4x6	G1/8	<a href="#">F4BPL4/6-1/8</a>	6	13	12	25.5	0.031
6x8	G1/4	<a href="#">F4BPL6/8-1/4</a>	8	16	14	28	0.033

Compatible with BPLM-M nut only

## F8BPL Stud Fitting, Male Metric Thread

Nickel-plated brass, NBR

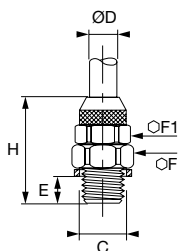


ØD	C		E	F	F1	H	Kg
6x8	M10x1	<a href="#">F8BPL6/8M12</a>	7	14	13	28	0.025

Compatible with BPLM-M nut only

## F8BPL-1 Stud Fitting, Male Metric Thread

Nickel-plated brass, copper



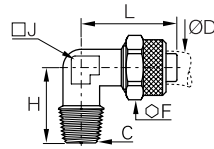
ØD	C		E	F	F1	H	Kg
6x8	M12x1.25	<a href="#">F8BPL6/8M10</a>	8	17	14	28	0.028

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

# Stud Fittings

## C3BPL Stud Elbow, Male BSPT Thread

Nickel-plated brass

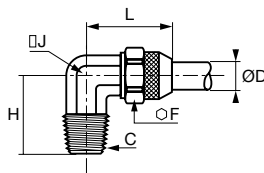


ØD	C		F	H	J	L	Kg
2.7x4	R1/8	<a href="#">C3BPL2.7/4-1/8</a>	8	17	8	19.5	0.018
4x6	R1/8	<a href="#">C3BPL4/6-1/8</a>	12	17	8	22.5	0.022
	R1/4	<a href="#">C3BPL4/6-1/4</a>	12	20	10	22.5	0.031
6x8	R1/8	<a href="#">C3BPL6/8-1/8</a>	14	17	10	22.5	0.029
	R1/4	<a href="#">C3BPL6/8-1/4</a>	14	20	10	22.5	0.031
8x10	R3/8	<a href="#">C3BPL6/8-3/8</a>	14	22.5	11	24	0.064
	R1/4	<a href="#">C3BPL8/10-1/4</a>	16	21.5	11	25.5	0.057
	R3/8	<a href="#">C3BPL8/10-3/8</a>	16	22.5	11	25.5	0.057
10x12	R3/8	<a href="#">C3BPL10/12-3/8</a>	18	24.5	14	30	0.060

Compatible with BPLM-M nut only

## C3BPL-1 Stud Elbow, Male BSPT Thread

Nickel-plated brass



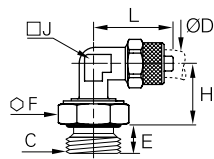
ØD	C		F	H	J	L	Kg
7.5x10	R1/4	<a href="#">C3BPL7.5/10-1/4</a>	16	22.5	12	28	0.057
	R3/8	<a href="#">C3BPL7.5/10-3/8</a>	16	23	12	28	0.058
11x14	R3/8	<a href="#">C3BPL11/14-3/8</a>	22	25	16	34	0.094

Compatible with BPLM nut only

Maximum working pressure: 40 bar

## C4BPL Stud Elbow, Male BSPP Thread

Nickel-plated brass, NBR



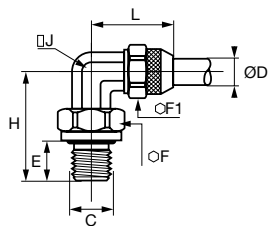
ØD	C		E	F	F1	H	J	L	Kg
6x8	G1/4	<a href="#">C4BPL6/8-1/4</a>	8	17	14	25	10	23.5	0.068

These fittings are supplied with nitrile seals.

Compatible with BPLM-M nut only

## C8BPL-1 Stud Elbow, Male Metric Thread

Nickel-plated brass, NBR



ØD	C		E	F	F1	H	J	L	Kg
6x8	M10x1	<a href="#">C8BPL6/8M10</a>	7	14	13	27	10	22	0.034
	M12x1	<a href="#">C8BPL6/8M12</a>	7	13	13	26	12	25	0.074

These fittings are supplied with nitrile seals.

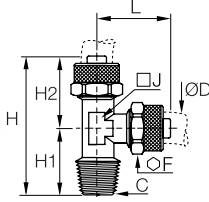
Compatible with BPLM nut only

Maximum working pressure: 40 bar

# Stud Fittings

## R3BPL Stud Run Tee, Male BSPT Thread

Nickel-plated brass

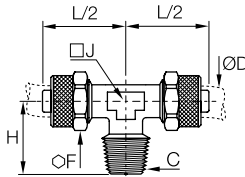


	ØD	C		F	H	H1	H2	J	Kg
4x6	R1/8	R3BPL4/6-1/8		12	39.5	17	22.5	8	0.035
	R1/4	R3BPL4/6-1/4		12	43.5	21	22.5	10	0.048
6x8	R1/8	R3BPL6/8-1/8		14	40.5	18	22.5	10	0.045

Compatible with BPLM-M nut only

## S3BPL Stud Branch Tee, Male BSPT Thread

Nickel-plated brass

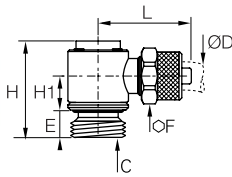


	ØD	C		F	H	J	L2	Kg
4x6	R1/8	S3BPL4/6-1/8		12	17	8	22.5	0.035
	R1/4	S3BPL4/6-1/4		12	20.5	10	22.5	0.047
6x8	R1/8	S3BPL6/8-1/8		14	17.5	10	22.5	0.046

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	G1/8	COR4BPL6/8-1/8		6.5	14	25.5	9	24	0.073

These parts are supplied with peripheral seals.

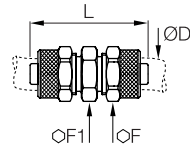
The banjo bolt is made of steel.

Compatible with BPLM-M nut only

# PL Tube-to-Tube and Complementary Fittings

## HBPL Equal Tube-to-Tube Connector

Nickel-plated brass

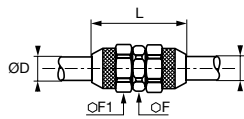


ØD		F	F1	L	Kg
2.7x4	<a href="#">HBPL2.7/4</a>	8	8	26	0.010
4x6	<a href="#">HBPL4/6</a>	12	12	34.5	0.021
6x8	<a href="#">HBPL6/8</a>	14	14	35	0.030
8x10	<a href="#">HBPL8/10</a>	14	16	38	0.043
10x12	<a href="#">HBPL10/12</a>	17	18	41	0.056

Compatible with BPLM-M nut only

## HBPL-1 Equal Tube-to-Tube Connector

Nickel-plated brass

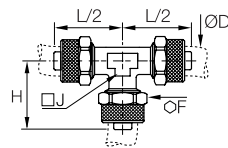


ØD		F	F1	L	Kg
11x14	<a href="#">HBPL11/14</a>	19	22	40	0,087

Compatible with BPLM nut only  
Maximum working pressure: 40 bar

## JBPL Equal Tee

Nickel-plated brass

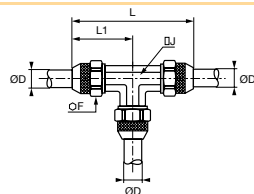


ØD		F	H	J	L2	Kg
2.7x4	<a href="#">JBPL2.7/4</a>	8	20	8	22	0.035
4x6	<a href="#">JBPL4/6</a>	12	22.5	8	22.5	0.042
6x8	<a href="#">JBPL6/8</a>	14	22.5	10	22.5	0.057
8x10	<a href="#">JBPL8/10</a>	16	25.5	11	25.5	0.085
10x12	<a href="#">JBPL10/12</a>	18	30	14	30	0.100

Compatible with BPLM-M nut only

## JBPL-1 Equal Tee

Nickel-plated brass



ØD		F	J	L	L1	Kg
7.5x10	<a href="#">JBPL7.5/10</a>	16	12	56	28	0.086
11x14	<a href="#">JBPL11/14</a>	22	16	68	34	0.168

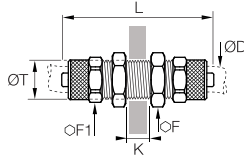
Compatible with BPLM nut only  
Maximum working pressure: 40 bar

# PL Tube-to-Tube and Complementary Fittings

## WBPL

### Equal Bulkhead Connector

Nickel-plated brass



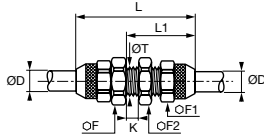
ØD		F	F1	K <sub>max</sub>	L	ØT	Kg
4x6	<a href="#">WBPL4/6</a>	14	12	10.5	48	10	0.030
6x8	<a href="#">WBPL6/8</a>	16	14	10.5	48	12	0.040
8x10	<a href="#">WBPL8/10</a>	17	16	8.5	50	14	0.057
10x12	<a href="#">WBPL10/12</a>	19	18	8.5	53	26	0.064

Compatible with BPLM-M nut only

## WBPL-1

### Equal Bulkhead Connector

Nickel-plated brass



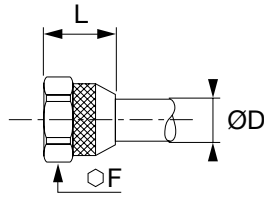
ØD		F	F1	F2	K <sub>max</sub>	L	L1	ØT	Kg
11x14	<a href="#">WBPL11/14</a>	22	22	22	5	50	28	19	0.114

Compatible with BPLM nut only  
Maximum working pressure: 40 bar.

## BPLM

### Nut

Nickel-plated brass



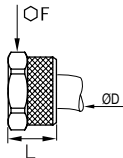
ØD	C		F	L	Kg
6x8	M11x0.75	<a href="#">BPL8M</a>	13	13	0.008
7.5x10	M13x1	<a href="#">BPL10M</a>	16	14	0.014
11x14	M18x1.5	<a href="#">BPL14M</a>	22	18	0.018

Maximum working pressure: 40 bar

## BPLM-M

### Nut

Nickel-plated brass

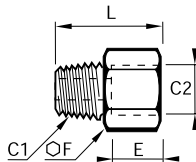


ØD	C		F	L	Kg
2.7x4	M6x0.50	<a href="#">BPL4M-1</a>	8	8	0.003
4x6	M10x1	<a href="#">BPL6M-1</a>	12	10.5	0.007
6x8	M12x1	<a href="#">BPL8M-1</a>	14	10.5	0.008
8x10	M14x1	<a href="#">BPL10M-1</a>	16	11.5	0.012
10x12	M16x1	<a href="#">BPL12M-1</a>	18	13	0.014

## 0164

### Adaptor, Male NPT/Female BSPP Thread

Nickel-plated brass



C1	C2		E	F	L	Kg
NPT1/8	G1/8	<a href="#">0164 11 10 99</a>	7.5	14	20	0.015
NPT1/4	G1/4	<a href="#">0164 14 13 99</a>	11	17	27.5	0.028
NPT3/8	G3/8	<a href="#">0164 18 17 99</a>	11.5	22	28.5	0.044

Maximum working pressure: see page 9-6, brass adaptors.