# Brass Compression Fitting Range

## Brass Fittings

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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**

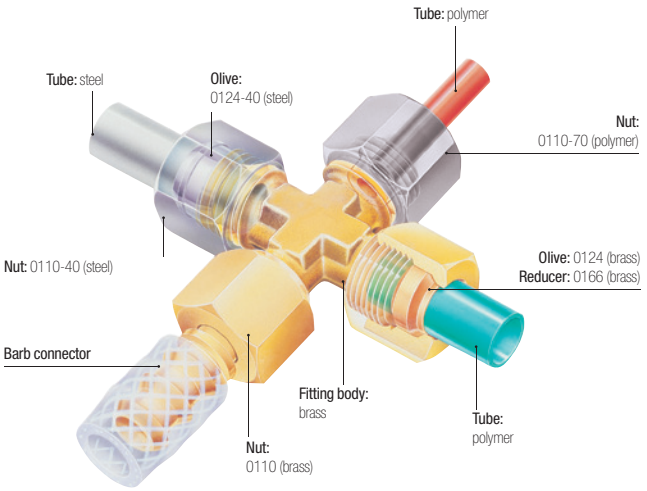
Pneumatics
Cooling
Automotive Process
Lubrication
Fluid Transmission
Packaging
Industrial Machinery

## Technical Characteristics

| | |
|---|---|
| **Compatible Fluids** | Water, machining oil, fuel, hydraulic oil, compressed air, chemical fluids, disinfectants |
| **Working Pressure** | Vacuum to 550 bar |
| **Working Temperature** | -40°C to +250°C |
| **Tightening Torque** | See "Technical Characteristics" on opposite page |

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.
Guaranteed for use with a vacuum of 755 mm Hg (99% vacuum).

### Component Materials




**Silicone-free**

### 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

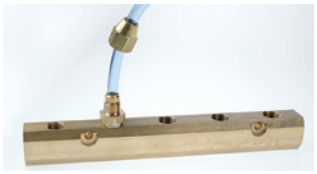
Cut the polymer or metal tube square.

### 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.

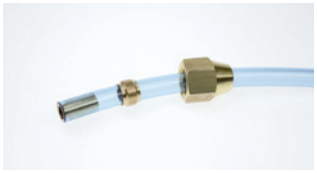
### Connecting the Tube



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

### Final Assembly

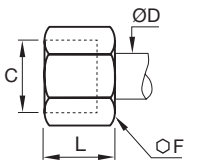
Tighten the nut using a spanner or torque wrench to enable the olive to bite on the tube, the connection being completed when the recommended tightening torque is reached (see tables below).



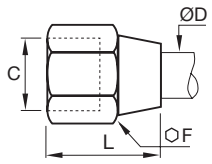
It is recommended to use an insert in order to prevent tube creeping (diameter > 14mm)

## 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) | ⬡ F 0110 | ⬡ F 0110..60 | Max. daN.m Copper or Brass | ⬡ 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.

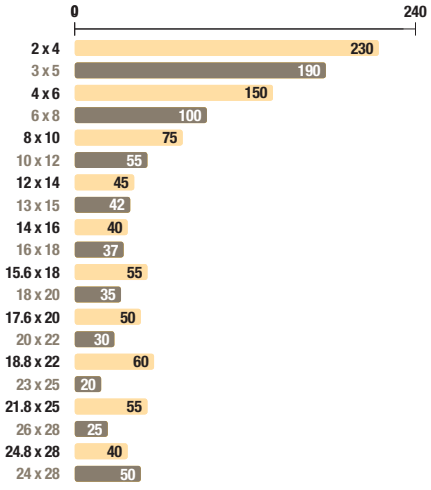
## Recommended Tube-Fitting Assembly Configurations

Assembled using Parker Legris brass olive and nut.

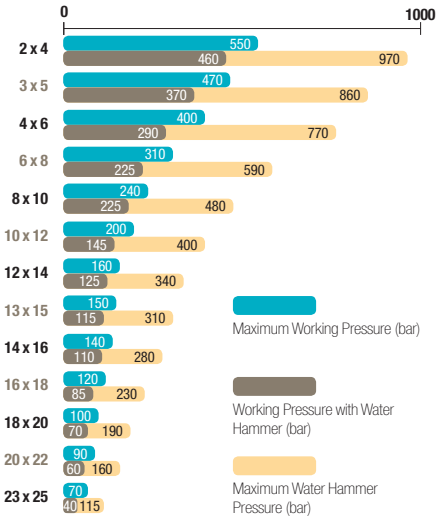
Assembled using Parker Legris steel olive and nut (nut type 0110..40).

Assembled using Parker Legris brass olive and nut.

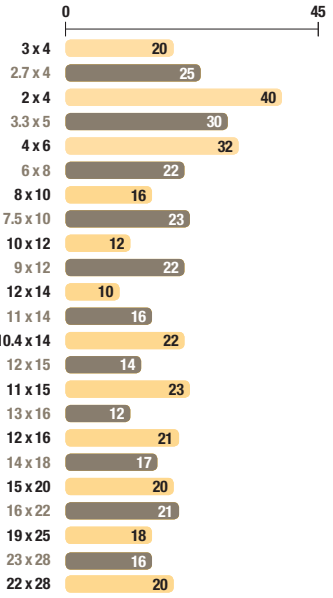
**Copper Tube**
Maximum Working Pressure (bar)




**Steel Tube**
Maximum Working Pressure (bar)




**Parker Legris Semi-Rigid Polyamide Tube**
Maximum Working Pressure (bar)




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 |

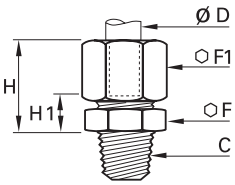
Parker Legris brass compression fittings are not compatible with ammonia and its derivatives.

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

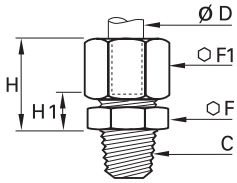



| ØD | C | | F | F1 | H max | H1 | kg |
|---|---|---|---|---|---|---|---|
| 4 | R1/8 | 0105 04 10 | 10 | 10 | 17 | 7 | 0.012 |
| 5 | R1/8 | 0105 05 10 | 11 | 12 | 17.5 | 7.5 | 0.016 |
| | R1/4 | 0105 05 13 | 14 | 12 | 17.5 | 7.5 | 0.022 |
| 6 | R1/8 | 0105 06 10 | 11 | 13 | 18 | 7.5 | 0.017 |
| | R1/4 | 0105 06 13 | 14 | 13 | 18 | 7.5 | 0.024 |
| | R3/8 | 0105 06 17 | 17 | 13 | 18 | 8.5 | 0.031 |
| 8 | R1/8 | 0105 08 10 | 13 | 14 | 19.5 | 7 | 0.020 |
| | R1/4 | 0105 08 13 | 14 | 14 | 19.5 | 7 | 0.025 |
| | R3/8 | 0105 08 17 | 17 | 14 | 20.5 | 8 | 0.032 |
| 10 | R1/8 | 0105 10 10 | 17 | 19 | 24 | 9 | 0.043 |
| | R1/4 | 0105 10 13 | 17 | 19 | 24 | 9 | 0.047 |
| | R3/8 | 0105 10 17 | 17 | 19 | 24 | 9 | 0.048 |
| | R1/2 | 0105 10 21 | 22 | 19 | 25 | 10 | 0.067 |
| 12 | R1/4 | 0105 12 13 | 19 | 22 | 24 | 9 | 0.059 |
| | R3/8 | 0105 12 17 | 19 | 22 | 24 | 9 | 0.060 |
| | R1/2 | 0105 12 21 | 22 | 22 | 25 | 10 | 0.076 |
| 14 | R1/4 | 0105 14 13 | 22 | 24 | 25 | 8 | 0.068 |
| | R3/8 | 0105 14 17 | 22 | 24 | 25 | 8 | 0.068 |
| | R1/2 | 0105 14 21 | 22 | 24 | 26 | 9 | 0.080 |
| | R3/4 | 0105 14 27 | 27 | 24 | 27 | 10 | 0.107 |
| 15 | R3/8 | 0105 15 17 | 22 | 24 | 25 | 8 | 0.065 |
| | R1/2 | 0105 15 21 | 22 | 24 | 26 | 9 | 0.076 |
| 16 | R1/4 | 0105 16 13 | 24 | 27 | 27 | 9.5 | 0.092 |
| | R3/8 | 0105 16 17 | 24 | 27 | 27 | 9.5 | 0.092 |
| | R1/2 | 0105 16 21 | 24 | 27 | 27 | 9.5 | 0.099 |
| | R3/4 | 0105 16 27 | 27 | 27 | 28 | 10.5 | 0.123 |
| 18 | R1/2 | 0105 18 21 | 27 | 30 | 30 | 10.5 | 0.127 |
| | R3/4 | 0105 18 27 | 27 | 30 | 30 | 10.5 | 0.138 |
| 20 | R1/2 | 0105 20 21 | 30 | 32 | 32 | 11 | 0.148 |
| | R3/4 | 0105 20 27 | 30 | 32 | 32 | 11 | 0.157 |
| 22 | R1/2 | 0105 22 21 | 32 | 36 | 33 | 11 | 0.187 |
| | R3/4 | 0105 22 27 | 32 | 36 | 33 | 11 | 0.196 |
| | R1 | 0105 22 34 | 36 | 36 | 33 | 11 | 0.227 |
| 25 | R3/4 | 0105 25 27 | 36 | 41 | 36 | 11 | 0.261 |
| | R1 | 0105 25 34 | 36 | 41 | 36 | 11 | 0.278 |
| 28 | R3/4 | 0105 28 27 | 41 | 42 | 36 | 11 | 0.274 |
| | R1 | 0105 28 34 | 41 | 42 | 36 | 11 | 0.283 |

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

## 0105 Stud Fitting, Male NPT Thread

Brass

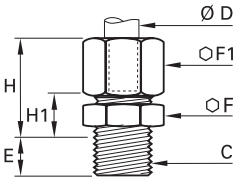



| ØD | C | | F | F1 | H max | H1 | kg |
|---|---|---|---|---|---|---|---|
| 6 | NPT1/8 | 0105 06 11 | 11 | 13 | 18 | 7.5 | 0.018 |
| | NPT1/4 | 0105 06 14 | 14 | 13 | 18 | 7.5 | 0.027 |
| 8 | NPT1/8 | 0105 08 11 | 13 | 14 | 21 | 7 | 0.021 |
| | NPT1/4 | 0105 08 14 | 14 | 14 | 18.5 | 7 | 0.026 |
| 10 | NPT1/4 | 0105 10 14 | 17 | 19 | 24 | 9 | 0.048 |
| | NPT3/8 | 0105 10 18 | 17 | 19 | 24 | 9 | 0.048 |
| | NPT1/2 | 0105 10 22 | 22 | 19 | 25 | 10 | 0.066 |

# Brass Compression Fittings

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

Brass, technical polymer

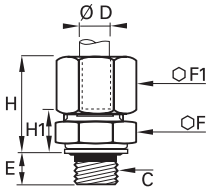



| ØD | C | | E | F | F1 | H max | H1 | kg |
|---|---|---|---|---|---|---|---|---|
| 4 | M5x0.8 | 0101 04 19 | 5 | 10 | 10 | 16.5 | 8 | 0.011 |
| | G1/8 | 0101 04 10 | 6.5 | 13 | 10 | 16.5 | 8 | 0.016 |
| 5 | G1/8 | 0101 05 10 | 6.5 | 13 | 12 | 17.5 | 8.5 | 0.018 |
| 6 | G1/8 | 0101 06 10 | 6.5 | 13 | 13 | 18 | 8.5 | 0.020 |
| | G1/4 | 0101 06 13 | 8 | 17 | 13 | 18 | 9.5 | 0.030 |
| 8 | G1/8 | 0101 08 10 | 6.5 | 13 | 14 | 19 | 8.5 | 0.021 |
| | G1/4 | 0101 08 13 | 8 | 17 | 14 | 19.5 | 9 | 0.032 |
| | G3/8 | 0101 08 17 | 11 | 22 | 14 | 20 | 10.5 | 0.044 |
| 10 | G1/4 | 0101 10 13 | 8 | 17 | 19 | 24 | 11 | 0.049 |
| | G3/8 | 0101 10 17 | 11 | 22 | 19 | 24 | 11.5 | 0.061 |
| 12 | G1/4 | 0101 12 13 | 8 | 19 | 22 | 24 | 11 | 0.062 |
| | G3/8 | 0101 12 17 | 11 | 22 | 22 | 24 | 11.5 | 0.069 |
| | G1/2 | 0101 12 21 | 12 | 27 | 22 | 24 | 12 | 0.089 |
| 14 | G3/8 | 0101 14 17 | 11 | 22 | 24 | 25 | 10.5 | 0.074 |
| | G1/2 | 0101 14 21 | 12 | 27 | 24 | 25 | 11 | 0.094 |
| 15 | G3/8 | 0101 15 17 | 11 | 22 | 24 | 25 | 10.5 | 0.071 |
| | G1/2 | 0101 15 21 | 12 | 27 | 24 | 25 | 11 | 0.093 |
| 16 | G3/8 | 0101 16 17 | 11 | 22 | 27 | 27 | 12 | 0.092 |
| | G1/2 | 0101 16 21 | 12 | 27 | 27 | 27 | 12.5 | 0.109 |
| 18 | G1/2 | 0101 18 21 | 12 | 27 | 30 | 29.5 | 12.5 | 0.128 |
| | G3/4 | 0101 18 27 | 13 | 32 | 30 | 29.5 | 13 | 0.152 |
| 20 | G3/4 | 0101 20 27 | 13 | 32 | 32 | 31 | 13 | 0.164 |
| 22 | G3/4 | 0101 22 27 | 13 | 32 | 36 | 32 | 13 | 0.195 |
| | G1 | 0101 22 34 | 15 | 41 | 36 | 31 | 13.5 | 0.259 |
| 25 | G3/4 | 0101 25 27 | 13 | 36 | 41 | 35.5 | 13 | 0.261 |
| | G1 | 0101 25 34 | 15 | 41 | 41 | 35.5 | 13 | 0.169 |
| 28 | G1 | 0101 28 34 | 15 | 41 | 42 | 35.5 | 13.5 | 0.300 |

With pre-assembled captive sealing washer
Sealing washers 0602 are shown in Chapter 9.

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

Brass, zinc-plated steel with NBR seal



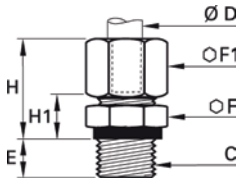

| ØD | C | | E | F | F1 | H max | H1 | kg |
|---|---|---|---|---|---|---|---|---|
| 4 | G1/8 | 0101 04 10 39 | 5.5 | 13 | 10 | 17.5 | 9 | 0.016 |
| 5 | G1/8 | 0101 05 10 39 | 5.5 | 13 | 12 | 18.5 | 9.5 | 0.019 |
| 6 | G1/8 | 0101 06 10 39 | 5.5 | 13 | 13 | 19 | 9.5 | 0.020 |
| | G1/4 | 0101 06 13 39 | 7 | 17 | 13 | 19 | 10.5 | 0.030 |
| 8 | G1/8 | 0101 08 10 39 | 5.5 | 13 | 14 | 20 | 9.5 | 0.022 |
| | G1/4 | 0101 08 13 39 | 7 | 17 | 14 | 20.5 | 10 | 0.032 |
| | G3/8 | 0101 08 17 39 | 9.5 | 22 | 14 | 21.5 | 12 | 0.045 |
| 10 | G1/4 | 0101 10 13 39 | 7 | 17 | 19 | 25 | 12 | 0.048 |
| | G3/8 | 0101 10 17 39 | 9.5 | 22 | 19 | 25.5 | 13 | 0.062 |
| 12 | G1/4 | 0101 12 13 39 | 7 | 19 | 22 | 25 | 12 | 0.063 |
| | G3/8 | 0101 12 17 39 | 9.5 | 22 | 22 | 25 | 13 | 0.071 |
| | G1/2 | 0101 12 21 39 | 10.5 | 27 | 22 | 25 | 13.5 | 0.091 |
| 14 | G3/8 | 0101 14 17 39 | 9.5 | 22 | 24 | 26.5 | 12 | 0.075 |
| | G1/2 | 0101 14 21 39 | 10.5 | 27 | 24 | 26.5 | 12.5 | 0.095 |
| 15 | G3/8 | 0101 15 17 39 | 9.5 | 22 | 24 | 26.5 | 12 | 0.073 |
| | G1/2 | 0101 15 21 39 | 10.5 | 27 | 24 | 26.5 | 12.5 | 0.095 |
| 16 | G3/8 | 0101 16 17 39 | 9.5 | 22 | 27 | 28.5 | 13.5 | 0.092 |
| | G1/2 | 0101 16 21 39 | 10.5 | 27 | 27 | 28.5 | 14 | 0.111 |
| 18 | G1/2 | 0101 18 21 39 | 10.5 | 27 | 30 | 31 | 14 | 0.129 |
| | G3/4 | 0101 18 27 39 | 11.5 | 32 | 30 | 31 | 14.5 | 0.155 |
| 20 | G3/4 | 0101 20 27 39 | 11.5 | 32 | 32 | 32.5 | 14.5 | 0.164 |
| 22 | G3/4 | 0101 22 27 39 | 11.5 | 32 | 36 | 32.5 | 14.5 | 0.197 |
| | G1 | 0101 22 34 39 | 13 | 41 | 36 | 33 | 15.5 | 0.259 |
| 25 | G1 | 0101 25 34 39 | 13 | 41 | 41 | 37.5 | 15.5 | 0.309 |
| 28 | G1 | 0101 28 34 39 | 13 | 41 | 42 | 37.5 | 15.5 | 0.301 |

Thread with bi-material seal
Bi-material sealing washers, part number 0139, can be found in Chapter 9

# Brass Compression Fittings

## 0101 Stud Fitting, Male Metric Thread

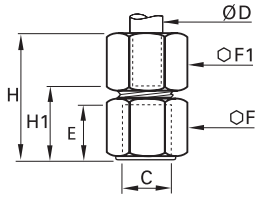
Brass




| ØD | C | | E | F | F1 | H max | H1 | kg |
|---|---|---|---|---|---|---|---|---|
| 4 | M7x1 | 0101 04 55 | 6.5 | 10 | 10 | 16.5 | 7.5 | 0.012 |
| | M8x1 | 0101 04 56 | 6.5 | 11 | 10 | 16.5 | 7.5 | 0.013 |
| 5 | M8x1 | 0101 05 56 | 6.5 | 11 | 12 | 17.5 | 8 | 0.016 |
| | M10x1 | 0101 05 60 | 6.5 | 14 | 12 | 17.5 | 8.5 | 0.020 |
| 6 | M10x1 | 0101 06 60 | 6.5 | 14 | 13 | 18 | 8.5 | 0.021 |
| | M10x1.5 | 0101 06 62 | 6.5 | 14 | 13 | 18 | 8.5 | 0.021 |
| 8 | M12x1 | 0101 08 65 | 8 | 17 | 14 | 19.5 | 9 | 0.029 |
| | M12x1.25 | 0101 08 66 | 8 | 17 | 14 | 19.5 | 9 | 0.029 |
| | M13x1.25 | 0101 08 68 | 8 | 17 | 14 | 19.5 | 9 | 0.030 |
| 10 | M14x1.25 | 0101 10 70 | 8 | 17 | 19 | 24 | 11 | 0.047 |
| | M14x1.5 | 0101 10 71 | 8 | 17 | 19 | 24 | 11 | 0.047 |
| | M16x1.25 | 0101 10 74 | 9 | 19 | 19 | 24 | 11 | 0.051 |
| | 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 |
| 12 | M16x1.25 | 0101 12 74 | 9 | 19 | 22 | 24 | 11 | 0.061 |
| | M16x1.5 | 0101 12 75 | 9 | 19 | 22 | 24 | 11 | 0.061 |
| | M18x1.5 | 0101 12 78 | 9 | 22 | 22 | 24 | 11.5 | 0.070 |
| 14 | M18x1.5 | 0101 14 78 | 9 | 22 | 24 | 25 | 10.5 | 0.077 |
| | M20x1.5 | 0101 14 80 | 10 | 24 | 24 | 25 | 11 | 0.084 |
| 15 | 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 | 0.102 |
| | M22x1.5 | 0101 16 82 | 10 | 27 | 27 | 27 | 12.5 | 0.111 |
| 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

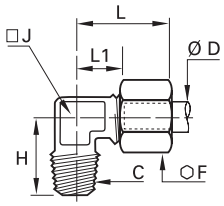



| ØD | C | | E | F | F1 | H max | H1 | kg |
|---|---|---|---|---|---|---|---|---|
| 4 | G1/8 | 0114 04 10 | 9.5 | 14 | 10 | 26 | 16.5 | 0.020 |
| | G1/4 | 0114 04 13 | 13.5 | 17 | 10 | 30 | 20.5 | 0.030 |
| 5 | G1/8 | 0114 05 10 | 9.5 | 14 | 12 | 28 | 17 | 0.023 |
| | G1/4 | 0114 05 13 | 13.5 | 17 | 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 |
| | G3/8 | 0114 06 17 | 14 | 22 | 13 | 32 | 21.5 | 0.051 |
| 8 | 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 | 0.036 |
| | 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 | 0.099 |
| 12 | G1/4 | 0114 12 13 | 13.5 | 19 | 22 | 36 | 20.5 | 0.069 |
| | G3/8 | 0114 12 17 | 14 | 22 | 22 | 37 | 22 | 0.078 |
| | G1/2 | 0114 12 21 | 18.5 | 27 | 22 | 42 | 26.5 | 0.109 |
| 14 | G1/4 | 0114 14 13 | 13.5 | 22 | 24 | 36 | 18.5 | 0.085 |
| | G3/8 | 0114 14 17 | 14 | 22 | 24 | 38 | 21 | 0.048 |
| | G1/2 | 0114 14 21 | 18.5 | 27 | 24 | 43 | 25.5 | 0.113 |
| 15 | G3/8 | 0114 15 17 | 14 | 22 | 24 | 38 | 21 | 0.078 |
| | G1/2 | 0114 15 21 | 18.5 | 27 | 24 | 43 | 25.5 | 0.109 |
| 16 | G1/4 | 0114 16 13 | 13.5 | 24 | 27 | 36 | 18 | 0.107 |
| | G3/8 | 0114 16 17 | 14 | 24 | 27 | 38 | 20.5 | 0.106 |
| | G1/2 | 0114 16 21 | 18.5 | 27 | 27 | 44 | 26 | 0.127 |
| 18 | G3/8 | 0114 18 17 | 14 | 27 | 30 | 39 | 19.5 | 0.140 |
| | G1/2 | 0114 18 21 | 18.5 | 27 | 30 | 45 | 26 | 0.144 |
| | G3/4 | 0114 18 27 | 19.5 | 32 | 30 | 46 | 27 | 0.165 |
| 20 | G3/8 | 0114 20 17 | 14 | 30 | 32 | 38 | 18 | 0.161 |
| | G1/2 | 0114 20 21 | 18.5 | 30 | 32 | 44.5 | 24 | 0.173 |
| | G3/4 | 0114 20 27 | 19.5 | 32 | 32 | 47 | 26.5 | 0.170 |
| 22 | G3/4 | 0114 22 27 | 19.5 | 32 | 36 | 48 | 26.5 | 0.204 |
| 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

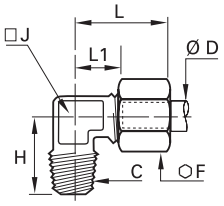



| ØD | C | | F | H | J | L max | L1 | kg |
|---|---|---|---|---|---|---|---|---|
| 4 | R1/8 | 0109 04 10 | 10 | 17 | 8 | 19 | 9.5 | 0.016 |
| | R1/4 | 0109 04 13 | 10 | 20 | 10 | 19 | 11 | 0.026 |
| 5 | R1/8 | 0109 05 10 | 12 | 17.5 | 8 | 21 | 11 | 0.019 |
| | R1/4 | 0109 05 13 | 12 | 21.5 | 10 | 22 | 12 | 0.028 |
| 6 | R1/8 | 0109 06 10 | 13 | 18 | 8 | 22 | 11 | 0.021 |
| | R1/4 | 0109 06 13 | 13 | 21.5 | 10 | 22 | 12 | 0.031 |
| 8 | R1/8 | 0109 08 10 | 14 | 18.5 | 10 | 28 | 15 | 0.028 |
| | R1/4 | 0109 08 13 | 14 | 22 | 10 | 28 | 15 | 0.033 |
| | R3/8 | 0109 08 17 | 14 | 24 | 12 | 28 | 15 | 0.044 |
| 10 | R1/4 | 0109 10 13 | 19 | 25 | 12 | 30 | 14.5 | 0.052 |
| | R3/8 | 0109 10 17 | 19 | 25.5 | 12 | 30 | 14.5 | 0.060 |
| | R1/2 | 0109 10 21 | 19 | 32 | 19 | 36 | 21 | 0.109 |
| 12 | R1/4 | 0109 12 13 | 22 | 26 | 15 | 30 | 15 | 0.074 |
| | R3/8 | 0109 12 17 | 22 | 27 | 15 | 30 | 15 | 0.077 |
| | R1/2 | 0109 12 21 | 22 | 32 | 19 | 36 | 21 | 0.116 |
| 14 | R3/8 | 0109 14 17 | 24 | 30 | 19 | 35 | 18 | 0.105 |
| | R1/2 | 0109 14 21 | 24 | 32 | 19 | 35 | 18 | 0.112 |
| 15 | R3/8 | 0109 15 17 | 24 | 30 | 19 | 35 | 18 | 0.099 |
| | R1/2 | 0109 15 21 | 24 | 32 | 19 | 35 | 18 | 0.106 |
| 16 | R3/8 | 0109 16 17 | 27 | 30 | 19 | 39 | 21 | 0.120 |
| | R1/2 | 0109 16 21 | 27 | 33.5 | 19 | 39 | 21 | 0.130 |
| | R3/4 | 0109 16 27 | 27 | 36.5 | 23 | 41 | 23 | 0.189 |
| 18 | R1/2 | 0109 18 21 | 30 | 35.5 | 23 | 41 | 21.5 | 0.182 |
| | R3/4 | 0109 18 27 | 30 | 36.5 | 23 | 41 | 21.5 | 0.199 |
| 20 | R1/2 | 0109 20 21 | 32 | 36.5 | 23 | 42 | 21.5 | 0.181 |
| | R3/4 | 0109 20 27 | 32 | 38 | 23 | 42 | 21.5 | 0.200 |
| 22 | R3/4 | 0109 22 27 | 36 | 40 | 27 | 50 | 30 | 0.288 |
| | R1 | 0109 22 34 | 36 | 44 | 27 | 50 | 30 | 0.342 |
| 25 | R3/4 | 0109 25 27 | 41 | 43 | 27 | 54 | 30 | 0.325 |
| | R1 | 0109 25 34 | 41 | 44 | 27 | 54 | 30 | 0.367 |
| 28 | R3/4 | 0109 28 27 | 42 | 46 | 32 | 54 | 30 | 0.402 |
| | R1 | 0109 28 34 | 42 | 48 | 32 | 54 | 30 | 0.384 |

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

## 0109 Stud Elbow, Male NPT Thread

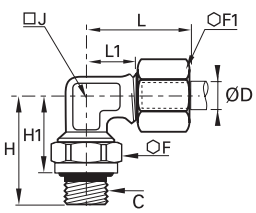
Brass




| ØD | C | | F | H | J | L max | L1 | kg |
|---|---|---|---|---|---|---|---|---|
| 6 | NPT1/8 | 0109 06 11 | 13 | 18 | 8 | 22 | 11 | 0.021 |
| | NPT1/4 | 0109 06 14 | 13 | 21.5 | 10 | 22 | 12 | 0.030 |
| 8 | NPT1/8 | 0109 08 11 | 14 | 18.5 | 10 | 28 | 15 | 0.028 |
| | NPT1/4 | 0109 08 14 | 14 | 22 | 10 | 28 | 15 | 0.033 |
| 10 | NPT1/4 | 0109 10 14 | 19 | 25 | 12 | 30 | 14.5 | 0.053 |

## 0199 Stud Orientable Elbow, Male BSPP Thread

Brass, NBR



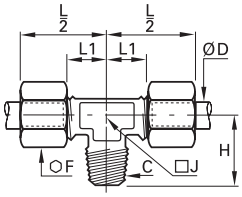

| ØD | C | | F | F1 | H | H1 | H1 max | J | L max | L1 | kg |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | G1/8 | 0199 04 10 | 14 | 10 | 23 | 16 | 17 | 8 | 19 | 9.5 | 0.023 |
| | G1/4 | 0199 04 13 | 19 | 10 | 30.5 | 22 | 23.5 | 10 | 19 | 11 | 0.043 |
| 6 | G1/8 | 0199 06 10 | 14 | 13 | 23 | 16 | 17 | 8 | 22 | 11 | 0.027 |
| | G1/4 | 0199 06 13 | 19 | 13 | 30.5 | 22 | 23.5 | 10 | 22 | 12 | 0.047 |
| 8 | G1/8 | 0199 08 10 | 14 | 14 | 24 | 17 | 18 | 10 | 28 | 15 | 0.033 |
| | G1/4 | 0199 08 13 | 19 | 14 | 30.5 | 22 | 23.5 | 10 | 28 | 15 | 0.051 |
| | G3/8 | 0199 08 17 | 22 | 14 | 33.5 | 24 | 25.5 | 12 | 28 | 15 | 0.065 |
| 10 | G1/4 | 0199 10 13 | 19 | 19 | 31 | 22.5 | 24 | 12 | 30 | 14.5 | 0.068 |
| | G3/8 | 0199 10 17 | 22 | 19 | 33.5 | 24 | 25.5 | 12 | 30 | 14.5 | 0.079 |
| | G1/2 | 0199 10 21 | 27 | 19 | 40 | 29.5 | 31 | 19 | 37 | 22 | 0.138 |
| 14 | G3/8 | 0199 14 17 | 22 | 24 | 35.5 | 26 | 27.5 | 19 | 35 | 18 | 0.119 |
| | G1/2 | 0199 14 21 | 27 | 24 | 40 | 29.5 | 31 | 19 | 35 | 18 | 0.141 |
| 18 | G1/2 | 0199 18 21 | 27 | 30 | 40 | 29 | 30.5 | 23 | 41 | 21.5 | 0.187 |
| | G3/4 | 0199 18 27 | 32 | 30 | 43.5 | 32 | 33.5 | 23 | 41 | 21.5 | 0.222 |
| 22 | G3/4 | 0199 22 27 | 32 | 36 | 45.5 | 34 | 36 | 32 | 51 | 31 | 0.382 |
| | G1 | 0199 22 34 | 41 | 36 | 54 | 40.5 | 43 | 32 | 51 | 31 | 0.408 |
| 28 | G1 | 0199 28 34 | 41 | 42 | 54 | 40.5 | 43 | 32 | 54 | 30 | 0.420 |

The body will orientate for positioning purposes

# Brass Compression Fittings

## 0108 Stud Branch Tee, Male BSPT Thread

Brass

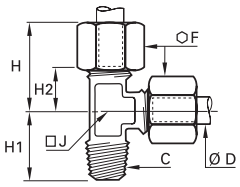



| ØD | C | | F | H | J | L1 | L/2 | kg |
|---|---|---|---|---|---|---|---|---|
| 4 | R1/8 | 0108 04 10 | 10 | 17 | 8 | 9.5 | 19 | 0.025 |
| 5 | R1/8 | 0108 05 10 | 12 | 17.5 | 8 | 11 | 21 | 0.017 |
| 6 | R1/8 | 0108 06 10 | 13 | 18 | 8 | 11 | 22 | 0.032 |
| | R1/4 | 0108 06 13 | 13 | 21.5 | 10 | 16 | 27 | 0.047 |
| 8 | R1/8 | 0108 08 10 | 14 | 18.5 | 10 | 15 | 28 | 0.045 |
| | R1/4 | 0108 08 13 | 14 | 22 | 10 | 15 | 28 | 0.050 |
| | R3/8 | 0108 08 17 | 14 | 24 | 12 | 15 | 28 | 0.061 |
| 10 | R1/4 | 0108 10 13 | 19 | 25 | 12 | 14.5 | 30 | 0.084 |
| | R3/8 | 0108 10 17 | 19 | 25.5 | 12 | 14.5 | 30 | 0.090 |
| 12 | R1/4 | 0108 12 13 | 22 | 26 | 15 | 15 | 30 | 0.116 |
| | R3/8 | 0108 12 17 | 22 | 27 | 15 | 15 | 30 | 0.117 |
| 14 | R3/8 | 0108 14 17 | 24 | 30 | 19 | 18 | 35 | 0.153 |
| | R1/2 | 0108 14 21 | 24 | 32 | 19 | 18 | 35 | 0.168 |
| 15 | R3/8 | 0108 15 17 | 24 | 30 | 19 | 18 | 35 | 0.145 |
| | R1/2 | 0108 15 21 | 24 | 32 | 19 | 18 | 35 | 0.155 |
| 16 | R3/8 | 0108 16 17 | 27 | 30 | 19 | 21 | 39 | 0.190 |
| | R1/2 | 0108 16 21 | 27 | 33.5 | 19 | 21 | 39 | 0.203 |
| 18 | R1/2 | 0108 18 21 | 30 | 35.5 | 23 | 21.5 | 41 | 0.265 |
| | R3/4 | 0108 18 27 | 30 | 36.5 | 23 | 21.5 | 41 | 0.292 |
| 20 | R3/4 | 0108 20 27 | 32 | 38 | 23 | 21.5 | 42 | 0.298 |
| 22 | R3/4 | 0108 22 27 | 36 | 40 | 27 | 29 | 50 | 0.435 |
| | R1 | 0108 22 34 | 36 | 44 | 27 | 29 | 50 | 0.466 |

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

## 0103 Stud Run Tee, Male BSPT Thread

Brass



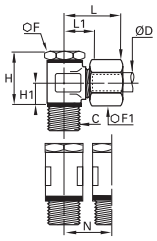

| ØD | C | | F | H max | H1 | H2 | J | kg |
|---|---|---|---|---|---|---|---|---|
| 4 | R1/8 | 0103 04 10 | 10 | 19 | 17 | 9.5 | 8 | 0.025 |
| 5 | R1/8 | 0103 05 10 | 12 | 21 | 17.5 | 11 | 8 | 0.030 |
| 6 | R1/8 | 0103 06 10 | 13 | 22 | 18 | 11 | 8 | 0.033 |
| | R1/4 | 0103 06 13 | 13 | 27 | 21.5 | 16 | 10 | 0.048 |
| 8 | R1/8 | 0103 08 10 | 14 | 28 | 18.5 | 15 | 10 | 0.045 |
| | R1/4 | 0103 08 13 | 14 | 28 | 22 | 15 | 10 | 0.050 |
| | R3/8 | 0103 08 17 | 14 | 28 | 24 | 15 | 12 | 0.061 |
| 10 | R1/4 | 0103 10 13 | 19 | 30 | 25 | 14.5 | 12 | 0.084 |
| | R3/8 | 0103 10 17 | 19 | 30 | 25.5 | 14.5 | 12 | 0.092 |
| 12 | R1/4 | 0103 12 13 | 22 | 30 | 26 | 15 | 15 | 0.114 |
| | R3/8 | 0103 12 17 | 22 | 30 | 27 | 15 | 15 | 0.120 |
| 14 | R3/8 | 0103 14 17 | 24 | 35 | 30 | 18 | 19 | 0.161 |
| | R1/2 | 0103 14 21 | 24 | 35 | 32 | 18 | 19 | 0.169 |
| 15 | R3/8 | 0103 15 17 | 24 | 35 | 30 | 18 | 19 | 0.148 |
| | R1/2 | 0103 15 21 | 24 | 35 | 32 | 18 | 19 | 0.158 |
| 16 | R3/8 | 0103 16 17 | 27 | 39 | 30 | 21 | 19 | 0.192 |
| | R1/2 | 0103 16 21 | 27 | 39 | 33.5 | 21 | 19 | 0.199 |
| 18 | R1/2 | 0103 18 21 | 30 | 41 | 35.5 | 21.5 | 23 | 0.269 |
| | R3/4 | 0103 18 27 | 30 | 41 | 36.5 | 21.5 | 23 | 0.282 |
| 20 | R3/4 | 0103 20 27 | 32 | 42 | 38 | 21.5 | 23 | 0.298 |
| 22 | R3/4 | 0103 22 27 | 36 | 50 | 40 | 29 | 27 | 0.435 |

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

# Brass Compression Fittings

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

**Brass, technical polymer**

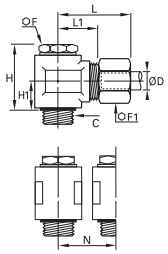



| ØD | C | | F | F1 | H | H1 | L max | L1 | N | kg |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | G1/8 | 0118 04 10 | 14 | 10 | 24 | 9.5 | 24 | 14.5 | 17.5 | 0.038 |
| 5 | G1/8 | 0118 05 10 | 14 | 12 | 24 | 9.5 | 25 | 14.5 | 17.5 | 0.041 |
| | G1/4 | 0118 05 13 | 17 | 12 | 25 | 10 | 26 | 16 | 21 | 0.058 |
| 6 | G1/8 | 0118 06 10 | 14 | 13 | 24 | 9.5 | 25 | 14.5 | 17.5 | 0.041 |
| | G1/4 | 0118 06 13 | 17 | 13 | 25 | 10 | 26 | 16 | 21 | 0.056 |
| 8 | G1/8 | 0118 08 10 | 14 | 14 | 24 | 9.5 | 28 | 15.5 | 17.5 | 0.054 |
| | G1/4 | 0118 08 13 | 17 | 14 | 25 | 10 | 28 | 15.5 | 21 | 0.057 |
| | G3/8 | 0118 08 17 | 22 | 14 | 32 | 13 | 30 | 18 | 26.5 | 0.111 |
| 10 | G1/4 | 0118 10 13 | 17 | 19 | 31 | 13 | 34 | 19 | 23 | 0.120 |
| | G3/8 | 0118 10 17 | 22 | 19 | 32 | 13 | 34 | 19 | 26.5 | 0.129 |
| 12 | G1/4 | 0118 12 13 | 17 | 22 | 34 | 14.5 | 34 | 19 | 23 | 0.126 |
| | G3/8 | 0118 12 17 | 22 | 22 | 35 | 14.5 | 34 | 19 | 26.5 | 0.133 |
| 14 | G1/4 | 0118 14 13 | 17 | 24 | 37 | 16 | 37 | 20.5 | 28 | 0.154 |
| | G3/8 | 0118 14 17 | 22 | 24 | 38 | 16 | 37 | 20.5 | 28 | 0.195 |
| | G1/2 | 0118 14 21 | 27 | 24 | 40 | 16 | 38 | 20.5 | 32.5 | 0.208 |
| 15 | G3/8 | 0118 15 17 | 22 | 24 | 38 | 16 | 37 | 20.5 | 28 | 0.190 |
| | G1/2 | 0118 15 21 | 27 | 24 | 40 | 16 | 38 | 20.5 | 32.5 | 0.198 |
| 16 | G1/2 | 0118 16 21 | 27 | 27 | 42 | 16 | 38 | 21 | 32.5 | 0.221 |
| 18 | G1/2 | 0118 18 21 | 27 | 30 | 46 | 19.5 | 43 | 24.5 | 36 | 0.366 |
| 20 | G3/4 | 0118 20 27 | 32 | 32 | 49 | 20 | 44 | 24.5 | 39 | 0.403 |
| 22 | G3/4 | 0118 22 27 | 32 | 36 | 53 | 22 | 45 | 24.5 | 39 | 0.459 |

With pre-assembled captive sealing washer
Sealing washers 0602 can be found in Chapter 9.

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

**Brass, zinc-plated steel with NBR seal**



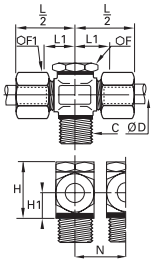

| ØD | C | | F | F1 | H | H1 | L max | L1 | N | kg |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | G1/8 | 0118 04 10 39 | 14 | 10 | 23 | 9.5 | 24 | 14.5 | 17.5 | 0.038 |
| 5 | G1/8 | 0118 05 10 39 | 14 | 12 | 23 | 9.5 | 25 | 14.5 | 17.5 | 0.041 |
| | G1/4 | 0118 05 13 39 | 17 | 12 | 24 | 10 | 26 | 16 | 21 | 0.064 |
| 6 | G1/8 | 0118 06 10 39 | 14 | 13 | 23 | 9.5 | 25 | 14.5 | 17.5 | 0.042 |
| | G1/4 | 0118 06 13 39 | 17 | 13 | 24 | 10 | 26 | 16 | 21 | 0.057 |
| 8 | G1/8 | 0118 08 10 39 | 14 | 14 | 23 | 9.5 | 28 | 15.5 | 17.5 | 0.055 |
| | G1/4 | 0118 08 13 39 | 17 | 14 | 24 | 10 | 28 | 15.5 | 21 | 0.058 |
| | G3/8 | 0118 08 17 39 | 22 | 14 | 31.5 | 13.5 | 30 | 18 | 26.5 | 0.113 |
| 10 | G1/4 | 0118 10 13 39 | 17 | 19 | 30 | 13 | 34 | 19 | 23 | 0.118 |
| | G3/8 | 0118 10 17 39 | 22 | 19 | 31.5 | 13.5 | 34 | 19 | 26.5 | 0.128 |
| 12 | G1/4 | 0118 12 13 39 | 17 | 22 | 33 | 14.5 | 34 | 19 | 23 | 0.128 |
| | G3/8 | 0118 12 17 39 | 22 | 22 | 34.5 | 15 | 34 | 19 | 26.5 | 0.140 |
| 14 | G1/4 | 0118 14 13 39 | 17 | 24 | 36 | 16 | 37 | 20.5 | 28 | 0.189 |
| | G3/8 | 0118 14 17 39 | 22 | 24 | 37.5 | 16.5 | 37 | 20.5 | 28 | 0.198 |
| | G1/2 | 0118 14 21 39 | 27 | 24 | 39 | 16.5 | 38 | 20.5 | 32.5 | 0.205 |
| 15 | G3/8 | 0118 15 17 39 | 22 | 24 | 37.5 | 16.5 | 37 | 20.5 | 28 | 0.389 |
| | G1/2 | 0118 15 21 39 | 27 | 24 | 40 | 16.5 | 38 | 20.5 | 32.5 | 0.202 |
| 16 | G1/2 | 0118 16 21 39 | 27 | 27 | 40 | 16.5 | 38 | 21 | 32.5 | 0.225 |
| 18 | G1/2 | 0118 18 21 39 | 27 | 30 | 47 | 20 | 43 | 24.5 | 36 | 0.369 |
| 20 | G3/4 | 0118 20 27 39 | 32 | 32 | 50 | 20.5 | 44 | 24.5 | 39 | 0.394 |
| 22 | G3/4 | 0118 22 27 39 | 32 | 36 | 54 | 22.5 | 45 | 24.5 | 39 | 0.462 |

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

# Brass Compression Fittings

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

Brass, technical polymer

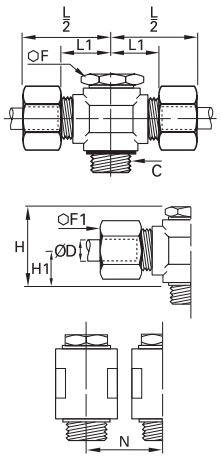



| ØD | C | | F | F1 | H | H1 | L1 | L/2 | N | kg |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | G1/8 | 0119 04 10 | 14 | 10 | 24 | 9.5 | 14.5 | 24 | 17.5 | 0.049 |
| 6 | G1/8 | 0119 06 10 | 14 | 13 | 24 | 9.5 | 14.5 | 25 | 17.5 | 0.056 |
| | G1/4 | 0119 06 13 | 17 | 13 | 25 | 10 | 16 | 26.5 | 21 | 0.038 |
| 8 | G1/8 | 0119 08 10 | 14 | 14 | 24 | 9.5 | 15.5 | 28 | 17.5 | 0.069 |
| | G1/4 | 0119 08 13 | 17 | 14 | 25 | 10 | 15.5 | 28 | 21 | 0.074 |
| | G3/8 | 0119 08 17 | 22 | 14 | 32 | 13 | 18 | 30.5 | 26.5 | 0.140 |
| 10 | G1/4 | 0119 10 13 | 17 | 19 | 31 | 13 | 19 | 34 | 23 | 0.156 |
| | G3/8 | 0119 10 17 | 22 | 19 | 32 | 13 | 19 | 34 | 26.5 | 0.165 |
| 12 | G1/4 | 0119 12 13 | 17 | 22 | 34 | 14.5 | 19 | 34 | 23 | 0.180 |
| | G3/8 | 0119 12 17 | 22 | 22 | 35 | 14.5 | 19 | 34 | 26.5 | 0.182 |
| 14 | G1/4 | 0119 14 13 | 17 | 24 | 37 | 16 | 20.5 | 37.5 | 28 | 0.246 |
| | G3/8 | 0119 14 17 | 22 | 24 | 38 | 16 | 20.5 | 37.5 | 28 | 0.247 |
| | G1/2 | 0119 14 21 | 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.

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

Brass, zinc-plated steel with NBR seal

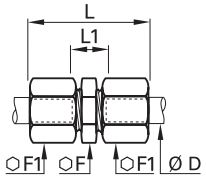



| ØD | C | | F | F1 | H | H1 | L1 | L/2 | N | kg |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | G1/8 | 0119 04 10 39 | 14 | 10 | 23 | 9.5 | 14.5 | 24 | 17.5 | 0.050 |
| 5 | G1/8 | 0119 05 10 39 | 14 | 12 | 23 | 9.5 | 14.5 | 25 | 17.5 | 0.049 |
| | G1/4 | 0119 05 13 39 | 17 | 12 | 24 | 10 | 126 | 26 | 21 | 0.072 |
| 6 | G1/8 | 0119 06 10 39 | 14 | 13 | 23 | 9.5 | 14.5 | 25 | 17.5 | 0.056 |
| | G1/4 | 0119 06 13 39 | 17 | 13 | 24 | 10 | 16 | 26 | 21 | 0.071 |
| 8 | G1/8 | 0119 08 10 39 | 14 | 14 | 23 | 9.5 | 15.5 | 28 | 17.5 | 0.072 |
| | G1/4 | 0119 08 13 39 | 17 | 14 | 24 | 10 | 15.5 | 28 | 21 | 0.080 |
| | G3/8 | 0119 08 17 39 | 22 | 14 | 31.5 | 13.5 | 18 | 30 | 26.5 | 0.118 |
| 10 | G1/4 | 0119 10 13 39 | 17 | 19 | 30 | 13 | 19 | 34 | 23 | 0.156 |
| | G3/8 | 0119 10 17 39 | 22 | 19 | 31.5 | 13.5 | 19 | 34 | 26.5 | 0.167 |
| 12 | G1/4 | 0119 12 13 39 | 17 | 22 | 33 | 14.5 | 19 | 34 | 23 | 0.180 |
| | G3/8 | 0119 12 17 39 | 22 | 22 | 34.5 | 15 | 19 | 34 | 26.5 | 0.183 |
| 14 | G1/4 | 0119 14 13 39 | 17 | 24 | 36 | 16 | 20.5 | 37 | 28 | 0.248 |
| | G3/8 | 0119 14 17 39 | 22 | 24 | 37.5 | 16.5 | 20.5 | 37 | 28 | 0.247 |
| | G1/2 | 0119 14 21 39 | 27 | 24 | 39 | 16.5 | 20.5 | 38 | 32.5 | 0.262 |
| 15 | G3/8 | 0119 15 17 39 | 22 | 24 | 37.5 | 16.5 | 20.5 | 37 | 28 | 0.246 |
| | G1/2 | 0119 15 21 39 | 27 | 24 | 40 | 16.5 | 20.5 | 38 | 32.5 | 0.251 |
| 18 | G1/2 | 0119 18 21 39 | 27 | 30 | 47 | 20 | 24.5 | 43 | 36 | 0.469 |
| 20 | G3/4 | 0119 20 27 39 | 32 | 32 | 50 | 20.5 | 24.5 | 44 | 39 | 0.638 |
| 22 | G3/4 | 0119 22 27 39 | 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.

## 0106 Equal Tube-to-Tube Connector

Brass

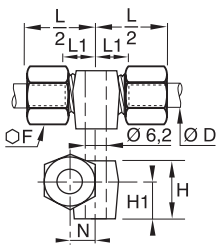



| ØD | | F | F1 | L max | L1 | kg |
|---|---|---|---|---|---|---|
| 4 | 0106 04 00 | 10 | 10 | 28 | 10 | 0.016 |
| 5 | 0106 05 00 | 11 | 12 | 31 | 11 | 0.023 |
| 6 | 0106 06 00 | 11 | 13 | 32 | 11 | 0.026 |
| 8 | 0106 08 00 | 13 | 14 | 36 | 10 | 0.031 |
| 10 | 0106 10 00 | 17 | 19 | 42 | 13 | 0.070 |
| 12 | 0106 12 00 | 19 | 22 | 42 | 13 | 0.092 |
| 14 | 0106 14 00 | 22 | 24 | 45 | 11 | 0.104 |
| 15 | 0106 15 00 | 22 | 24 | 45 | 11 | 0.097 |
| 16 | 0106 16 00 | 24 | 27 | 48 | 13 | 0.141 |
| 18 | 0106 18 00 | 27 | 30 | 53 | 14 | 0.186 |
| 20 | 0106 20 00 | 30 | 32 | 56 | 14 | 0.211 |
| 22 | 0106 22 00 | 32 | 36 | 60 | 14 | 0.283 |
| 25 | 0106 25 00 | 36 | 41 | 64 | 14 | 0.396 |
| 28 | 0106 28 00 | 41 | 42 | 64 | 14 | 0.399 |

# Brass Compression Fittings

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

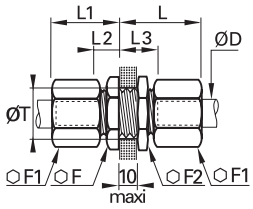
Brass




| ØD | | F | H | H1 | L1 | L/2 | N | kg |
|---|---|---|---|---|---|---|---|---|
| 4 | 0113 04 00 | 10 | 10.5 | 7 | 9.5 | 19 | 6 | 0.022 |
| 6 | 0113 06 00 | 13 | 13 | 9 | 10 | 20.5 | 7 | 0.033 |
| 8 | 0113 08 00 | 14 | 14.5 | 9.5 | 11 | 23.5 | 8 | 0.041 |
| 10 | 0113 10 00 | 19 | 19.5 | 12.5 | 11 | 26 | 9 | 0.082 |
| 12 | 0113 12 00 | 22 | 22 | 14 | 12 | 26.5 | 11 | 0.107 |
| 14 | 0113 14 00 | 24 | 25 | 16 | 11 | 28 | 12 | 0.122 |

## 0116 Equal Bulkhead Connector

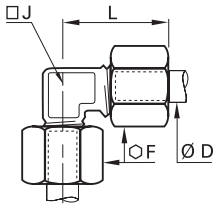
Brass




| ØD | | F | F1 | F2 | L max | L1 max | L2 | L3 | ØT min | kg |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 0116 04 00 | 10 | 10 | 13 | 27 | 17 | 7 | 17 | 8.3 | 0.024 |
| 5 | 0116 05 00 | 13 | 12 | 14 | 28 | 18 | 7.5 | 17.5 | 10.3 | 0.035 |
| 6 | 0116 06 00 | 13 | 13 | 14 | 28 | 19 | 7.5 | 17.5 | 10.3 | 0.037 |
| 8 | 0116 08 00 | 14 | 14 | 17 | 29 | 20 | 7 | 17 | 12.3 | 0.045 |
| 10 | 0116 10 00 | 19 | 19 | 22 | 33 | 25 | 9 | 19 | 16.5 | 0.101 |
| 12 | 0116 12 00 | 22 | 22 | 22 | 33 | 25 | 9 | 19 | 18.5 | 0.121 |
| 14 | 0116 14 00 | 24 | 24 | 24 | 35 | 25 | 8 | 18 | 20.5 | 0.145 |
| 15 | 0116 15 00 | 24 | 24 | 24 | 35 | 25 | 8 | 18 | 20.5 | 0.134 |
| 16 | 0116 16 00 | 27 | 27 | 27 | 36 | 28 | 9.5 | 19.5 | 22.5 | 0.189 |
| 18 | 0116 18 00 | 27 | 30 | 30 | 40 | 30 | 10.5 | 20.5 | 24.5 | 0.237 |
| 20 | 0116 20 00 | 32 | 30 | 32 | 41 | 31 | 11 | 21 | 27.5 | 0.274 |
| 22 | 0116 22 00 | 36 | 36 | 36 | 42 | 32 | 11 | 21 | 30.5 | 0.372 |
| 25 | 0116 25 00 | 36 | 41 | 38 | 46 | 36 | 11 | 21 | 33.5 | 0.469 |

## 0102 Equal Elbow

Brass

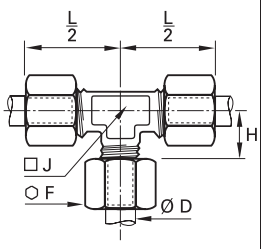



| ØD | | F | J | L max | kg |
|---|---|---|---|---|---|
| 4 | 0102 04 00 | 10 | 5 | 19 | 0.016 |
| 5 | 0102 05 00 | 12 | 8 | 21 | 0.024 |
| 6 | 0102 06 00 | 13 | 8 | 22 | 0.027 |
| 8 | 0102 08 00 | 14 | 10 | 28 | 0.038 |
| 10 | 0102 10 00 | 19 | 12 | 30 | 0.073 |
| 12 | 0102 12 00 | 22 | 15 | 30 | 0.098 |
| 14 | 0102 14 00 | 24 | 19 | 35 | 0.133 |
| 15 | 0102 15 00 | 24 | 19 | 35 | 0.122 |
| 16 | 0102 16 00 | 27 | 19 | 39 | 0.164 |
| 18 | 0102 18 00 | 30 | 23 | 41 | 0.231 |
| 20 | 0102 20 00 | 32 | 23 | 42 | 0.233 |
| 22 | 0102 22 00 | 36 | 27 | 50 | 0.371 |
| 25 | 0102 25 00 | 41 | 27 | 54 | 0.446 |
| 28 | 0102 28 00 | 42 | 32 | 54.5 | 0.478 |

# Brass Compression Fittings

## 0104 Equal Tee

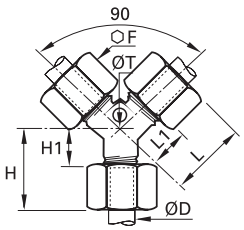
Brass




| ØD | | F | H | J | L/2 | kg |
|---|---|---|---|---|---|---|
| 4 | 0104 04 00 | 10 | 9.5 | 8 | 19 | 0.028 |
| 5 | 0104 05 00 | 12 | 11 | 8 | 21 | 0.036 |
| 6 | 0104 06 00 | 13 | 11 | 8 | 22 | 0.040 |
| 8 | 0104 08 00 | 14 | 15 | 10 | 28 | 0.055 |
| 10 | 0104 10 00 | 19 | 14.5 | 12 | 30 | 0.105 |
| 12 | 0104 12 00 | 22 | 15 | 15 | 30 | 0.142 |
| 14 | 0104 14 00 | 24 | 18 | 19 | 35 | 0.190 |
| 15 | 0104 15 00 | 24 | 18 | 19 | 35 | 0.175 |
| 16 | 0104 16 00 | 27 | 21 | 19 | 39 | 0.239 |
| 18 | 0104 18 00 | 30 | 21.5 | 23 | 41 | 0.330 |
| 20 | 0104 20 00 | 32 | 21.5 | 23 | 42 | 0.330 |
| 22 | 0104 22 00 | 36 | 29 | 27 | 50 | 0.518 |
| 25 | 0104 25 00 | 41 | 29 | 27 | 54 | 0.630 |
| 28 | 0104 28 00 | 42 | 30 | 32 | 55 | 0.660 |

## 0142 Equal Y Piece with Mounting Boss

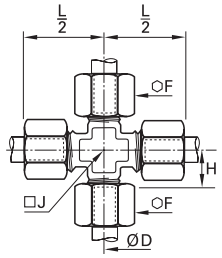
Brass




| ØD | | F | H max | H1 | L max | L1 | ØT | Kg |
|---|---|---|---|---|---|---|---|---|
| 4 | 0142 04 00 | 10 | 16.5 | 7 | 26.5 | 17 | 4.2 | 0.032 |
| 6 | 0142 06 00 | 13 | 19.5 | 8.5 | 28 | 17 | 4.2 | 0.049 |
| 8 | 0142 08 00 | 14 | 21 | 8 | 30 | 17 | 6.2 | 0.061 |
| 10 | 0142 10 00 | 19 | 24.5 | 9 | 37.5 | 22 | 6.2 | 0.128 |
| 12 | 0142 12 00 | 22 | 26 | 11 | 38 | 23 | 6.2 | 0.110 |
| 14 | 0142 14 00 | 24 | 28 | 11 | 41.5 | 24.5 | 6.2 | 0.201 |
| 15 | 0142 15 00 | 24 | 28 | 11 | 41.5 | 24.5 | 6.2 | 0.204 |
| 16 | 0142 16 00 | 27 | 30 | 12 | 43 | 25 | 6.2 | 0.252 |
| 18 | 0142 18 00 | 30 | 31.5 | 12 | 50.5 | 31 | 10.2 | 0.220 |
| 25 | 0142 25 00 | 41 | 39 | 14 | 59 | 34 | 10.2 | 0.728 |

## 0107 Equal Cross

Brass




| ØD | | F | H | J | L/2 | Kg |
|---|---|---|---|---|---|---|
| 4 | 0107 04 00 | 10 | 9.5 | 8 | 19 | 0.035 |
| 5 | 0107 05 00 | 12 | 11 | 8 | 21 | 0.047 |
| 6 | 0107 06 00 | 13 | 11 | 8 | 22 | 0.052 |
| 8 | 0107 08 00 | 14 | 15 | 11 | 28 | 0.073 |
| 10 | 0107 10 00 | 19 | 14.5 | 14 | 30 | 0.142 |
| 12 | 0107 12 00 | 22 | 15 | 15 | 35 | 0.096 |
| 14 | 0107 14 00 | 24 | 18 | 20 | 35 | 0.246 |
| 15 | 0107 15 00 | 24 | 18 | 20 | 35 | 0.227 |
| 16 | 0107 16 00 | 27 | 21 | 20 | 39 | 0.312 |
| 18 | 0107 18 00 | 30 | 21.5 | 25 | 41 | 0.426 |
| 20 | 0107 20 00 | 32 | 21.5 | 25 | 42 | 0.429 |
| 22 | 0107 22 00 | 36 | 29 | 27 | 50 | 0.676 |
| 25 | 0107 25 00 | 41 | 29 | 27 | 50 | 0.819 |

# 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

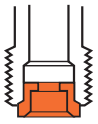
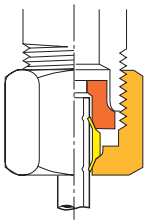
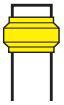
**Applications**

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 |
|---|---|---|
| **1** **Assemble the reducer** Place the reducer in the fitting body. | 1  |  |
| **2** **Assemble the nut and olive** Place the nut and then the olive onto the tube. | 2  | |
| **3** **Assemble the nut** Push the tubing into the fitting until it butts against the tube reducer. Tighten the nut to the recommended torque (see opposite page). | 3  | |

# 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: **0126**  | Copper, cold-rolled brass, polymer tube and barb connectors **0122** and **0165**  | 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  |

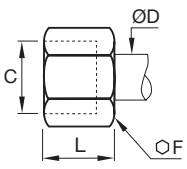
***Assembly specifications for nut-olive 0110 ..70**
This part functions as both olive and nut for flexible polymer tube assemblies:
1. Hand tighten the polymer nut-olive a few turns onto the body of the fitting; the knurling makes this easier.
2. Then introduce the polymer tube and push home into the 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)

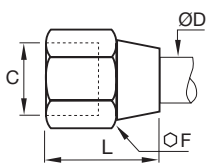
### Recommended Tightening Torque

**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**

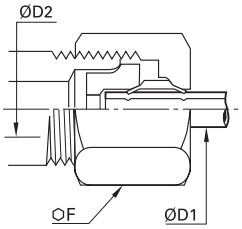



| Ø D (mm) | ⬡F 0110 | ⬡F 0110..60 | max. daN.m copper or brass | ⬡F 0110..40 | max. daN.m steel |
|---|---|---|---|---|---|
| 4 | 10 | 11 | 0.7 | 10 | 1.5 |
| 5 | 12 | 13 | 0.7 | 12 | 1.5 |
| 6 | 13 | 13 | 1.5 | 13 | 2.5 |
| 8 | 14 | 16 | 1.5 | 14 | 2.5 |
| 10 | 19 | 20 | 1.8 | 19 | 3 |
| 12 | 22 | 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 | | |

# Complementary Brass Compression Fittings

## 0166 3-Piece Reducer

Brass



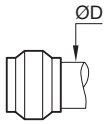

| ØD1 | ØD2 | | F | kg |
|---|---|---|---|---|
| 4 | 5 | 0166 04 05 | 13 | 0.011 |
| | 6 | 0166 04 06 | 13 | 0.011 |
| | 8 | 0166 04 08 | 14 | 0.012 |
| | 10 | 0166 04 10 | 19 | 0.031 |
| | 12 | 0166 04 12 | 22 | 0.044 |
| | 14 | 0166 04 14 | 24 | 0.054 |
| | 15 | 0166 04 15 | 24 | 0.056 |
| 5 | 6 | 0166 05 06 | 13 | 0.010 |
| | 8 | 0166 05 08 | 14 | 0.012 |
| | 10 | 0166 05 10 | 19 | 0.030 |
| | 12 | 0166 05 12 | 22 | 0.044 |
| | 14 | 0166 05 14 | 24 | 0.053 |
| | 16 | 0166 05 16 | 27 | 0.078 |
| 6 | 8 | 0166 06 08 | 14 | 0.012 |
| | 10 | 0166 06 10 | 19 | 0.030 |
| | 12 | 0166 06 12 | 22 | 0.043 |
| | 14 | 0166 06 14 | 24 | 0.052 |
| | 15 | 0166 06 15 | 24 | 0.054 |
| | 16 | 0166 06 16 | 27 | 0.077 |
| 8 | 10 | 0166 08 10 | 19 | 0.027 |
| | 12 | 0166 08 12 | 22 | 0.040 |
| | 14 | 0166 08 14 | 24 | 0.051 |
| | 15 | 0166 08 15 | 24 | 0.053 |
| | 16 | 0166 08 16 | 27 | 0.076 |
| | 18 | 0166 08 18 | 30 | 0.100 |
| 10 | 12 | 0166 10 12 | 22 | 0.037 |
| | 14 | 0166 10 14 | 24 | 0.045 |
| | 15 | 0166 10 15 | 24 | 0.047 |
| | 16 | 0166 10 16 | 27 | 0.068 |
| | 18 | 0166 10 18 | 30 | 0.095 |
| | 20 | 0166 10 20 | 32 | 0.107 |
| | 22 | 0166 10 22 | 36 | 0.144 |
| | 25 | 0166 10 25 | 41 | 0.209 |
| 12 | 14 | 0166 12 14 | 24 | 0.043 |
| | 15 | 0166 12 15 | 24 | 0.043 |
| | 16 | 0166 12 16 | 27 | 0.066 |
| | 18 | 0166 12 18 | 30 | 0.092 |
| | 20 | 0166 12 20 | 32 | 0.102 |
| | 22 | 0166 12 22 | 36 | 0.140 |
| | 25 | 0166 12 25 | 41 | 0.200 |
| 14 | 16 | 0166 14 16 | 27 | 0.060 |
| | 18 | 0166 14 18 | 30 | 0.084 |
| | 20 | 0166 14 20 | 32 | 0.095 |
| | 22 | 0166 14 22 | 36 | 0.133 |
| | 25 | 0166 14 25 | 41 | 0.189 |
| 15 | 18 | 0166 15 18 | 30 | 0.081 |
| | 22 | 0166 15 22 | 36 | 0.130 |
| 16 | 18 | 0166 16 18 | 30 | 0.078 |
| | 20 | 0166 16 20 | 32 | 0.088 |
| | 22 | 0166 16 22 | 36 | 0.126 |
| | 25 | 0166 16 25 | 41 | 0.185 |
| 18 | 20 | 0166 18 20 | 32 | 0.082 |
| | 22 | 0166 18 22 | 36 | 0.118 |
| | 25 | 0166 18 25 | 41 | 0.180 |
| | 28 | 0166 18 28 | 42 | 0.176 |
| 20 | 25 | 0166 20 25 | 41 | 0.168 |
| 22 | 28 | 0166 22 28 | 42 | 0.168 |

ØD1: tube to be fitted
ØD2: for an x mm Ø 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

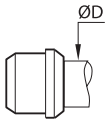
Brass




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

## 0124..40 Steel Olive

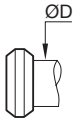
Zinc-plated steel




| ØD | | kg |
|---|---|---|
| 4 | 0124 04 00 40 | 0.001 |
| 6 | 0124 06 00 40 | 0.001 |
| 8 | 0124 08 00 40 | 0.001 |
| 10 | 0124 10 00 40 | 0.003 |
| 12 | 0124 12 00 40 | 0.003 |
| 14 | 0124 14 00 40 | 0.005 |
| 15 | 0124 15 00 40 | 0.004 |
| 16 | 0124 16 00 40 | 0.006 |
| 18 | 0124 18 00 40 | 0.007 |
| 20 | 0124 20 00 40 | 0.007 |
| 22 | 0124 22 00 40 | 0.010 |
| 25 | 0124 25 00 40 | 0.014 |

## 0111 BNA* Brass Olive

Brass



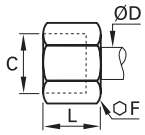

| ØD | | kg |
|---|---|---|
| 4 | 0111 04 00 | 0.001 |
| 5 | 0111 05 00 | 0.001 |
| 6 | 0111 06 00 | 0.001 |
| 8 | 0111 08 00 | 0.001 |
| 10 | 0111 10 00 | 0.002 |
| 12 | 0111 12 00 | 0.002 |
| 14 | 0111 14 00 | 0.003 |
| 15 | 0111 15 00 | 0.003 |
| 16 | 0111 16 00 | 0.003 |

*BNA: Bureau de Normalisation de l'Automobile (standards organization in the field of Automotive Process)

# Complementary Brass Compression Fittings

## 0110 Brass Nut

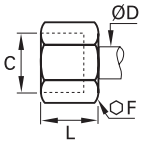
Brass




| ØD | C | | F | L | kg |
|---|---|---|---|---|---|
| 4 | M8x1 | 0110 04 00 | 10 | 11 | 0.005 |
| 5 | M10x1 | 0110 05 00 | 12 | 11 | 0.006 |
| 6 | M10x1 | 0110 06 00 | 13 | 11 | 0.008 |
| 8 | M12x1 | 0110 08 00 | 14 | 13 | 0.008 |
| 10 | M16x1.5 | 0110 10 00 | 19 | 15 | 0.019 |
| 12 | M18x1.5 | 0110 12 00 | 22 | 15 | 0.026 |
| 14 | M20x1.5 | 0110 14 00 | 24 | 15 | 0.029 |
| 15 | M20x1.5 | 0110 15 00 | 24 | 15 | 0.028 |
| 16 | M22x1.5 | 0110 16 00 | 27 | 17 | 0.042 |
| 18 | M24x1.5 | 0110 18 00 | 30 | 18 | 0.057 |
| 20 | M27x1.5 | 0110 20 00 | 32 | 18 | 0.057 |
| 22 | M30x1.5 | 0110 22 00 | 36 | 19 | 0.078 |
| 25 | M33x1.5 | 0110 25 00 | 41 | 21 | 0.121 |
| 28 | M36x1.5 | 0110 28 00 | 42 | 21 | 0.110 |

## 0110..40 Steel Nut

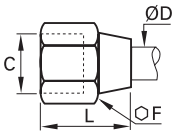
Zinc-plated steel




| ØD | C | | F | L | kg |
|---|---|---|---|---|---|
| 4 | M8x1 | 0110 04 00 40 | 10 | 11 | 0.004 |
| 5 | M10x1 | 0110 05 00 40 | 12 | 11.5 | 0.005 |
| 6 | M10x1 | 0110 06 00 40 | 13 | 12 | 0.008 |
| 8 | M12x1 | 0110 08 00 40 | 14 | 13.5 | 0.008 |
| 10 | M16x1.5 | 0110 10 00 40 | 19 | 16 | 0.018 |
| 12 | M18x1.5 | 0110 12 00 40 | 22 | 16.5 | 0.027 |
| 14 | M20x1.5 | 0110 14 00 40 | 24 | 17 | 0.030 |
| 15 | M20x1.5 | 0110 15 00 40 | 24 | 17 | 0.029 |
| 16 | M22x1.5 | 0110 16 00 40 | 27 | 18 | 0.042 |
| 18 | M24x1.5 | 0110 18 00 40 | 30 | 19 | 0.056 |
| 20 | M27x1.5 | 0110 20 00 40 | 32 | 20.5 | 0.061 |
| 22 | M30x1.5 | 0110 22 00 40 | 36 | 21.5 | 0.085 |

## 0110..60 Brass Long Nut

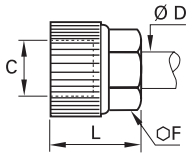
Brass




| ØD | C | | F | L | kg |
|---|---|---|---|---|---|
| 4 | M8x1 | 0110 04 00 60 | 11 | 14.5 | 0.007 |
| 5 | M10x1 | 0110 05 00 60 | 13 | 17 | 0.008 |
| 6 | M10x1 | 0110 06 00 60 | 13 | 17.5 | 0.011 |
| 8 | M12x1 | 0110 08 00 60 | 16 | 20 | 0.019 |
| 10 | M16x1.5 | 0110 10 00 60 | 20 | 23 | 0.032 |
| 12 | M18x1.5 | 0110 12 00 60 | 22 | 25 | 0.039 |
| 14 | M20x1.5 | 0110 14 00 60 | 24 | 30 | 0.051 |
| 15 | M20x1.5 | 0110 15 00 60 | 24 | 30 | 0.049 |
| 16 | M22x1.5 | 0110 16 00 60 | 27 | 32 | 0.070 |
| 18 | M24x1.5 | 0110 18 00 60 | 30 | 35 | 0.098 |
| 20 | M27x1.5 | 0110 20 00 60 | 32 | 35 | 0.102 |
| 22 | M30x1.5 | 0110 22 00 60 | 36 | 36 | 0.129 |

## 0110..70 Technical Polymer Nut-Olive

Technical polymer




| ØD | C | | F | L | kg |
|---|---|---|---|---|---|
| 4 | M8x1 | 0110 04 00 70 | 8 | 13 | 0.008 |
| 6 | M10x1 | 0110 06 00 70 | 11 | 15 | 0.002 |
| 8 | M12x1 | 0110 08 00 70 | 13 | 16 | 0.002 |
| 10 | M16x1.5 | 0110 10 00 70 | 17 | 19 | 0.004 |
| 12 | M18x1.5 | 0110 12 00 70 | 19 | 19 | 0.005 |
| 14 | M20x1.5 | 0110 14 00 70 | 22 | 20 | 0.005 |
| 16 | M22x1.5 | 0110 16 00 70 | 24 | 21 | 0.008 |

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

Brass Compression Fittings

Compression Fittings

# 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

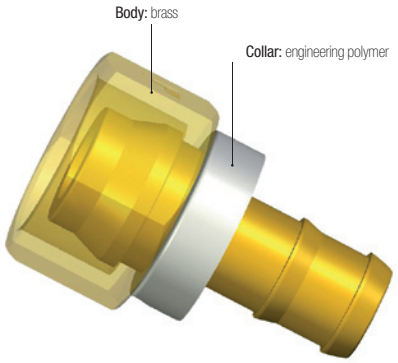
## Technical Characteristics

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

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

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

### Component Materials




**Silicone-free**

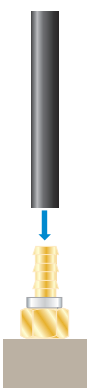
### Self-Fastening Hose Assembly Machine

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

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

#### Tube Cutting and Positioning

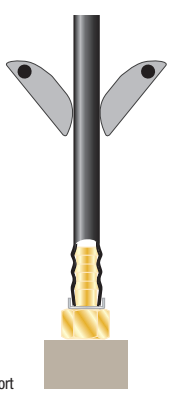
Cut the hose square and position the barb connector on the mounting tool.



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

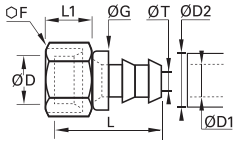
### Regulations

**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

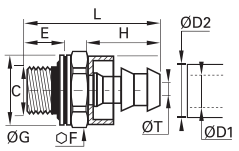



| ØD | ØD1 | ØD2 | | F | G | L | L1 | ØT | kg |
|---|---|---|---|---|---|---|---|---|---|
| 6 | 6.3 | 13 | 0132 06 56 | 12 | 16.5 | 32.5 | 12.5 | 4.8 | 0.010 |
| 8 | 6.3 | 13 | 0132 08 56 | 14 | 16.5 | 29.5 | 11.5 | 4.8 | 0.015 |
| 10 | 6.3 | 13 | 0132 10 56 | 19 | 16.5 | 30 | 14 | 4.8 | 0.028 |
| |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

Polymer collar

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

Brass, zinc-plated steel with NBR seal

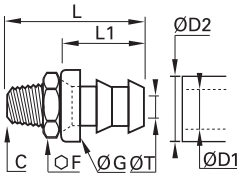



| ØD1 | ØD2 | C | | E | F | G | H | L | ØT | kg |
|---|---|---|---|---|---|---|---|---|---|---|
| 6.3 | 13 | G1/8 | 0133 56 10 39 | 5.5 | 13 | 14 | 20 | 31.5 | 4.8 | 0.012 |
| | 13 | G1/4 | 0133 56 13 39 | 7 | 17 | 17 | 20 | 33.5 | 4.8 | 0.018 |
| 9.5 | 16 | G1/4 | 0133 60 13 39 | 7 | 17 | 17 | 24 | 37.5 | 7.5 | 0.022 |
| | 16 | G3/8 | 0133 60 17 39 | 9.5 | 22 | 22 | 24 | 42.5 | 7.5 | 0.038 |
| 12.7 | 19 | G3/8 | 0133 62 17 39 | 9.5 | 22 | 22 | 28 | 46.5 | 10 | 0.045 |
| | 19 | G1/2 | 0133 62 21 39 | 10.5 | 27 | 26 | 28 | 48.5 | 10 | 0.060 |
| 15.9 | 23 | G1/2 | 0133 66 21 39 | 10.5 | 27 | 26 | 36.5 | 57 | 13.5 | 0.064 |
| | 23 | G3/4 | 0133 66 27 39 | 11.5 | 32 | 32 | 36.5 | 59 | 13.5 | 0.095 |
| 19.1 | 27 | G3/4 | 0133 69 27 39 | 11.5 | 32 | 32 | 43 | 65.5 | 16 | 0.111 |

Thread with bi-material seal and polymer collar.
Bi-material sealing washer 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 | 0134 56 10 | 14 | 16.5 | 32.5 | 20 | 4.8 | 0.015 |
| | 13 | R1/4 | 0134 56 13 | 14 | 16.5 | 37 | 20 | 4.8 | 0.020 |
| 9.5 | 16 | R1/4 | 0134 60 13 | 14 | 19.5 | 41 | 24 | 7.5 | 0.022 |
| | 16 | R3/8 | 0134 60 17 | 19 | 19.5 | 41.5 | 24 | 7.5 | 0.036 |
| 12.7 | 19 | R3/8 | 0134 62 17 | 19 | 23.5 | 45.5 | 28 | 10 | 0.038 |
| | 19 | R1/2 | 0134 62 21 | 22 | 23.5 | 50 | 28 | 10 | 0.062 |
| 15.9 | 23 | R1/2 | 0134 66 21 | 22 | 27 | 58.5 | 36.5 | 13.5 | 0.056 |
| | 23 | R3/4 | 0134 66 27 | 27 | 27 | 60.5 | 36.5 | 13.5 | 0.101 |
| 19.1 | 27 | R3/4 | 0134 69 27 | 27 | 30.5 | 67 | 43 | 16 | 0.108 |

Polymer collar

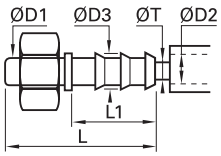
Self-fastening NBR hose is selected by nominal diameter; for example:

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

# Brass Adaptors

## 0122 Barb Connector for Hose

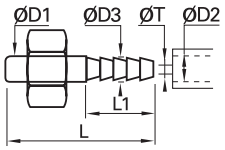
Brass




| ØD1 | ØD2 | | ØD3 | L | L1 | ØT min | kg |
|---|---|---|---|---|---|---|---|
| 4 | 4 | 0122 04 04 | 6 | 37.5 | 22.5 | 3 | 0.004 |
| 5 | 4 | 0122 05 04 | 6 | 37.5 | 22.5 | 3 | 0.003 |
| 6 | 4 | 0122 06 04 | 6 | 37.5 | 22.5 | 3 | 0.005 |
| | 7 | 0122 06 07 | 9 | 37.5 | 22.5 | 6 | 0.007 |
| 8 | 6 | 0122 08 06 | 8 | 40 | 22.5 | 5 | 0.007 |
| | 7 | 0122 08 07 | 9 | 40 | 22.5 | 6 | 0.008 |
| | 10 | 0122 08 10 | 12.5 | 40 | 22.5 | 9 | 0.013 |
| 10 | 7 | 0122 10 07 | 9 | 43 | 22.5 | 6 | 0.010 |
| | 10 | 0122 10 10 | 12.5 | 43 | 22.5 | 9 | 0.014 |
| 12 | 10 | 0122 12 10 | 12.5 | 43 | 22.5 | 9 | 0.014 |
| | 13 | 0122 12 13 | 15 | 50 | 29.5 | 12 | 0.018 |
| 14 | 13 | 0122 14 13 | 15 | 52 | 29.5 | 12 | 0.019 |
| | 16 | 0122 14 16 | 18.5 | 60.5 | 38 | 15 | 0.308 |
| 15 | 13 | 0122 15 13 | 15 | 52 | 29.5 | 12 | 0.019 |
| | 16 | 0122 15 16 | 18.5 | 60.5 | 38 | 15 | 0.032 |
| 16 | 13 | 0122 16 13 | 15 | 53.5 | 29.5 | 12 | 0.021 |
| | 16 | 0122 16 16 | 18.5 | 62 | 38 | 15 | 0.032 |
| 18 | 16 | 0122 18 16 | 18.5 | 62 | 38 | 15 | 0.032 |
| | 19 | 0122 18 19 | 21.5 | 62 | 38 | 18 | 0.041 |
| 20 | 16 | 0122 20 16 | 18.5 | 64 | 38 | 15 | 0.034 |
| | 19 | 0122 20 19 | 21.5 | 64 | 38 | 18 | 0.038 |
| 22 | 19 | 0122 22 19 | 21.5 | 64 | 38 | 18 | 0.039 |
| 25 | 19 | 0122 25 19 | 21.5 | 70 | 38 | 18 | 0.049 |
| | 25 | 0122 25 25 | 27.5 | 70 | 38 | 24 | 0.054 |
| 28 | 25 | 0122 28 25 | 27.5 | 70 | 38 | 24 | 0.087 |

## 0165 Barb Connector for Flexible Tubing

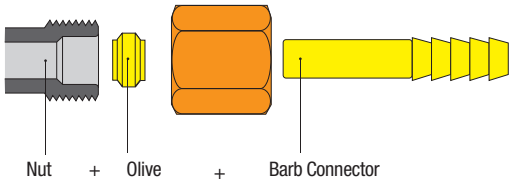
Brass




| ØD1 | ØD2 | | ØD3 | L | L1 | ØT min | kg |
|---|---|---|---|---|---|---|---|
| 4 | 4 | 0165 04 06 | 4.3 | 30 | 15 | 2 | 0.002 |
| 5 | 4 | 0165 05 06 | 4.3 | 30 | 15 | 2 | 0.010 |
| 6 | 4 | 0165 06 06 | 4.3 | 30 | 15 | 2 | 0.003 |
| | 6 | 0165 06 08 | 6.4 | 30 | 15 | 4 | 0.004 |
| | 8 | 0165 06 10 | 8.4 | 30 | 15 | 4 | 0.004 |
| 8 | 6 | 0165 08 08 | 6.4 | 32.5 | 15 | 4 | 0.006 |
| | 8 | 0165 08 10 | 8.4 | 32.5 | 15 | 6 | 0.006 |
| | 10 | 0165 08 12 | 10.7 | 37.5 | 20 | 8 | 0.009 |
| 10 | 8 | 0165 10 10 | 8.4 | 35.5 | 15 | 6 | 0.008 |
| | 10 | 0165 10 12 | 10.7 | 40.5 | 20 | 8 | 0.010 |
| | 12 | 0165 10 14 | 12.7 | 40.5 | 20 | 8 | 0.012 |
| 12 | 10 | 0165 12 12 | 10.7 | 40.5 | 20 | 8 | 0.011 |
| | 12 | 0165 12 14 | 12.7 | 40.5 | 20 | 10 | 0.013 |
| 14 | 12 | 0165 14 14 | 12.7 | 42.5 | 20 | 10 | 0.014 |
| 15 | 13 | 0165 15 16 | 13.7 | 42.5 | 20 | 11 | 0.016 |
| 16 | 13 | 0165 16 16 | 13.7 | 44 | 20 | 11 | 0.018 |

### Assembly: Barb Connectors

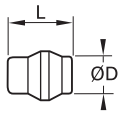
Our barb connectors 0122 and 0165 are designed to be used with different types of hose. They are secured using the nut and olive provided with the fitting.



# Brass Adaptors

## 0126 Plug for Compression Fitting

**Brass**

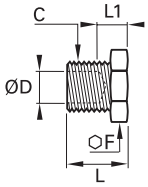



| ØD | | L | kg |
|---|---|---|---|
| 4 | 0126 04 00 | 10 | 0.001 |
| 5 | 0126 05 00 | 10 | 0.003 |
| 6 | 0126 06 00 | 10 | 0.003 |
| 8 | 0126 08 00 | 11.5 | 0.006 |
| 10 | 0126 10 00 | 13 | 0.010 |
| 12 | 0126 12 00 | 13 | 0.014 |
| 14 | 0126 14 00 | 13.5 | 0.020 |
| 15 | 0126 15 00 | 13.5 | 0.022 |
| 16 | 0126 16 00 | 16 | 0.029 |
| 18 | 0126 18 00 | 16 | 0.039 |
| 20 | 0126 20 00 | 16 | 0.045 |
| 22 | 0126 22 00 | 18 | 0.003 |
| 28 | 0126 28 00 | 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**

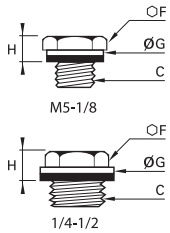



| ØD | C | | F | L | L1 | kg |
|---|---|---|---|---|---|---|
| 4 | M8x1 | 0125 04 00 | 10 | 12 | 8 | 0.006 |
| 6 | M10x1 | 0125 06 00 | 11 | 13.5 | 9.5 | 0.008 |
| 8 | M12x1 | 0125 08 00 | 14 | 14 | 9 | 0.013 |
| 10 | M16x1.5 | 0125 10 00 | 17 | 18 | 11 | 0.025 |
| 12 | M18x1.5 | 0125 12 00 | 19 | 18 | 11 | 0.030 |
| 14 | M20x1.5 | 0125 14 00 | 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 with Captive Sealing Washer, Male BSPP and Metric Thread

**Brass, technical polymer**

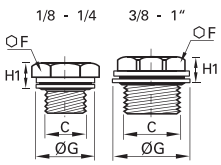



| C | | F | G | H | kg |
|---|---|---|---|---|---|
| M5x0.8 | 0220 19 00 | 8 | 8 | 5 | 0.002 |
| G1/8 | 0220 10 00 | 14 | 14 | 7.5 | 0.011 |
| G1/4 | 0220 13 00 | 17 | 17 | 7.5 | 0.019 |
| G3/8 | 0220 17 00 | 17 | 22 | 8.5 | 0.024 |
| G1/2 | 0220 21 00 | 22 | 27 | 10 | 0.040 |

Thread with pre-assembled washer.
M5: with screwdriver slot for tightening.
Maximum allowable working pressure = 20 bar.
Part number with suffix 99, maximum allowable working pressure = 250 bar, example: 0220 19 00 99.
Conforms to BNA 229 (with the exception of M5 model): BSPP thread, ISO ISO 228-1;
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**



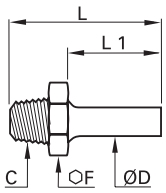

| C | | F | G | H1 | kg |
|---|---|---|---|---|---|
| G1/8 | 0220 10 00 39 | 14 | 14 | 6.5 | 0.012 |
| G1/4 | 0220 13 00 39 | 17 | 17 | 6.5 | 0.020 |
| G3/8 | 0220 17 00 39 | 17 | 22 | 8 | 0.025 |
| G1/2 | 0220 21 00 39 | 22 | 26 | 9 | 0.043 |
| G3/4 | 0220 27 00 39 | 22 | 32 | 10 | 0.060 |
| G1 | 0220 34 00 39 | 27 | 39.5 | 10.5 | 0.089 |

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

# Brass Adaptors

## 0120 Stud Standpipe, Male BSPT Thread

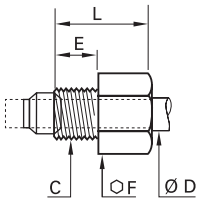
Brass




| ØD | C | | F | L | L1 | kg |
|---|---|---|---|---|---|---|
| 4 | R1/8 | 0120 04 10 | 11 | 25.5 | 14 | 0.007 |
| 5 | R1/8 | 0120 05 10 | 11 | 26 | 14.5 | 0.007 |
| 6 | R1/8 | 0120 06 10 | 11 | 26.5 | 15 | 0.008 |
| | R1/4 | 0120 06 13 | 14 | 31 | 15 | 0.015 |
| 8 | R1/8 | 0120 08 10 | 11 | 28.5 | 17 | 0.009 |
| | R1/4 | 0120 08 13 | 14 | 33 | 17 | 0.016 |
| | R3/8 | 0120 08 17 | 17 | 33.5 | 17 | 0.020 |
| 10 | R1/4 | 0120 10 13 | 14 | 36 | 20 | 0.018 |
| | R3/8 | 0120 10 17 | 17 | 36.5 | 20 | 0.022 |
| | R1/2 | 0120 10 21 | 22 | 41 | 20 | 0.038 |
| 12 | R1/4 | 0120 12 13 | 14 | 36 | 20 | 0.018 |
| | R3/8 | 0120 12 17 | 17 | 36.5 | 20 | 0.022 |
| | R1/2 | 0120 12 21 | 22 | 41 | 20 | 0.041 |
| 14 | R3/8 | 0120 14 17 | 17 | 38 | 21.5 | 0.024 |
| | R1/2 | 0120 14 21 | 22 | 42.5 | 21.5 | 0.041 |
| 15 | R3/8 | 0120 15 17 | 17 | 38 | 21.5 | 0.023 |
| | R1/2 | 0120 15 21 | 22 | 42.5 | 21.5 | 0.041 |
| 16 | R3/8 | 0120 16 17 | 17 | 39.5 | 23 | 0.024 |
| | R1/2 | 0120 16 21 | 22 | 44 | 23 | 0.042 |
| 18 | R1/2 | 0120 18 21 | 22 | 44.5 | 23.5 | 0.042 |
| | R3/4 | 0120 18 27 | 27 | 47.5 | 23.5 | 0.071 |
| 20 | R3/4 | 0120 20 27 | 27 | 49 | 25 | 0.071 |
| 22 | R3/4 | 0120 22 27 | 27 | 48.5 | 25.5 | 0.067 |
| | R1 | 0120 22 34 | 36 | 52.5 | 25.5 | 0.116 |
| 25 | R1 | 0120 25 34 | 36 | 57 | 30 | 0.119 |
| 28 | R1 | 0120 28 34 | 36 | 57 | 30 | 0.138 |

## 0112 Sleeve Nut for Compression Fitting, Male Metric Thread

Brass



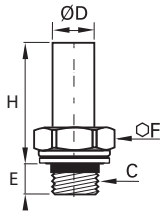

| ØD | C | | E | F | L | kg |
|---|---|---|---|---|---|---|
| 4 | M8x1 | 0112 04 00 | 7 | 10 | 13 | 0.005 |
| 5 | M10x1 | 0112 05 00 | 7.5 | 11 | 13.5 | 0.007 |
| 6 | M10x1 | 0112 06 00 | 7.5 | 11 | 13.5 | 0.006 |
| 8 | M12x1 | 0112 08 00 | 8 | 13 | 15 | 0.008 |
| 10 | M16x1.5 | 0112 10 00 | 11 | 17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

This product was designed to allow the tube to be fitted directly into the tapped port in a body using a standard Parker Legris olive.
For the corresponding drawings (cavity for Parker Legris olive), please consult us.

# Brass Adaptors

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

**Brass, zinc-plated steel with NBR seal**

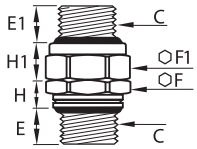



| ØD | C | | E | F | H | Kg |
|---|---|---|---|---|---|---|
| 4 | G1/8 | 0128 04 10 39 | 7.5 | 13 | 20 | 0.009 |
| | G1/4 | 0128 04 13 39 | 9 | 17 | 22 | 0.015 |
| 6 | G1/8 | 0128 06 10 39 | 7.5 | 13 | 21 | 0.010 |
| | G1/4 | 0128 06 13 39 | 9 | 17 | 23 | 0.016 |
| 8 | G1/8 | 0128 08 10 39 | 7.5 | 13 | 23 | 0.011 |
| | G1/4 | 0128 08 13 39 | 9 | 17 | 25 | 0.017 |
| | G3/8 | 0128 08 17 39 | 12 | 22 | 26 | 0.033 |
| 10 | G1/4 | 0128 10 13 39 | 9 | 17 | 28 | 0.018 |
| | G3/8 | 0128 10 17 39 | 12 | 22 | 29 | 0.034 |
| | G1/2 | 0128 10 21 39 | 27 | 27 | 30 | 0.048 |
| 14 | G3/8 | 0128 14 17 39 | 12 | 22 | 30.5 | 0.035 |
| | G1/2 | 0128 14 21 39 | 27 | 27 | 31.5 | 0.049 |
| 18 | G1/2 | 0128 18 21 39 | 27 | 27 | 33.5 | 0.052 |
| | G3/4 | 0128 18 27 39 | 14 | 32 | 34.5 | 0.084 |
| 22 | G3/4 | 0128 22 27 39 | 14 | 32 | 36.5 | 0.082 |
| | G1 | 0128 22 34 39 | 16.5 | 41 | 38 | 0.123 |
| 28 | G1 | 0128 28 34 39 | 16.5 | 41 | 42.5 | 0.149 |

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**

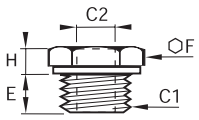



| C | | E | E1 | F | F1 | H | H1 | kg |
|---|---|---|---|---|---|---|---|---|
| G1/8 | 0151 10 10 39 | 5.5 | 7 | 13 | 14 | 6 | 6.5 | 0.017 |
| G1/4 | 0151 13 13 39 | 7 | 8.5 | 17 | 19 | 6.5 | 9 | 0.036 |
| G3/8 | 0151 17 17 39 | 9.5 | 9.5 | 22 | 22 | 9 | 9 | 0.057 |
| G1/2 | 0151 21 21 39 | 10.5 | 10.5 | 27 | 27 | 10 | 10 | 0.083 |
| G3/4 | 0151 27 27 39 | 11.5 | 11.5 | 32 | 32 | 11 | 10 | 0.121 |
| G1 | 0151 34 34 39 | 13 | 13.5 | 41 | 41 | 12.5 | 10.5 | 0.230 |

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**



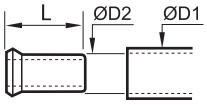

| C1 | C2 | | E | F | H | kg |
|---|---|---|---|---|---|---|
| G1/8 | M5x0.8 | 0168 10 19 39 | 8 | 14 | 4.5 | 0.009 |
| G1/4 | M5x0.8 | 0168 13 19 39 | 8 | 17 | 5 | 0.018 |
| | G1/8 | 0168 13 10 39 | 8 | 17 | 5 | 0.012 |
| G3/8 | G1/8 | 0168 17 10 39 | 10 | 19 | 5 | 0.020 |
| | G1/4 | 0168 17 13 39 | 10 | 19 | 5 | 0.013 |
| G1/2 | G1/8 | 0168 21 10 39 | 12 | 24 | 7.5 | 0.052 |
| | G1/4 | 0168 21 13 39 | 12 | 24 | 7.5 | 0.043 |
| | G3/8 | 0168 21 17 39 | 12 | 24 | 7.5 | 0.030 |
| G3/4 | G1/4 | 0168 27 13 39 | 12 | 32 | 9.5 | 0.099 |
| | G3/8 | 0168 27 17 39 | 12 | 32 | 9.5 | 0.086 |
| | G1/2 | 0168 27 21 39 | 12 | 32 | 9.5 | 0.065 |

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

# Brass Adaptors

## 0127 Tube Support for Polymer Tubing

Brass




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

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