

# Aignep Universal Compression Fittings

## Description

The working pressures and working temperatures depend on which type of tube is used. For this reason, the values must be determined in accordance with the tube's features. The values below are the maximum pressures advised for the fittings at a temperature of 20°C connected to copper tube, which has a thickness of 1 mm. Working pressures stated have been obtained from a test using a Safety Factor 4.

## Threads

Tapered gas in conformity with ISO 7.1, BS 21, DIN 2999.

Parallel gas in conformity with ISO 228.

Metric in conformity with ISO R/262.

## Fluids

Water, oils, compressed air, fluids in general for the hydraulic, pneumatic and oil dynamic plants, etc.

## Connection Tubes

Tubes made in copper, steel, iron, aluminium, brass, etc. With an inside support bush, may also be used for plastic material, such as Rilsan PA 11, nylon PA 6, etc.

### MAX. PRESSURE ADVISED

Ø 4	130 kg/cm <sup>3</sup>	128.6 bar	Ø 14	70 kg/cm <sup>3</sup>	69.3 bar
Ø 6	180 kg/cm <sup>3</sup>	178.1 bar	Ø 15	70 kg/cm <sup>3</sup>	69.3 bar
Ø 8	150 kg/cm <sup>3</sup>	148.4 bar	Ø 16	70 kg/cm <sup>3</sup>	69.3 bar
Ø 10	115 kg/cm <sup>3</sup>	113.8 bar	Ø 18	65 kg/cm <sup>3</sup>	64.3 bar
Ø 12	75 kg/cm <sup>3</sup>	72.4 bar			

## ASSEMBLY INSTRUCTIONS

To ensure the best results using these fittings, please follow the instructions listed.

1. Cut the tube at 90° & remove internal & external burrs.



2. Lightly oil the tube nut, olive & fitting thread. Slide the nut & olive onto the tube, ensuring that the sharp side of the olive is facing the fitting.



3. Screw the nut onto the fitting by hand until hand-tight.



4. Ensure that the tube is pushed fully home into the fitting before tightening the nut with the correct spanner.



5. Tighten nut with the spanner one & a quarter turns, marking reference points if necessary.



6. To ensure that the olive has gripped the tube correctly, unscrew the nut & make sure that the groove made by the olive is even.



7. Tighten the nut again with an extra quarter turn. When fitting to curved tubes, ensure that the section entering the fitting is straight for a minimum length of twice the nut height.



## STRAIGHT ADAPTOR BSPP FEMALE



1460

PART NUMBER	TUBE OD	THREAD
A9500-0418	4 mm	1/8" BSPP
A9500-0618	6 mm	1/8" BSPP
A9500-0614	6 mm	1/4" BSPP
A9500-0818	8 mm	1/8" BSPP
A9500-0814	8 mm	1/4" BSPP
A9500-0838	8 mm	3/8" BSPP
A9500-1014	10 mm	1/4" BSPP
A9500-1038	10 mm	3/8" BSPP
A9500-1238	12 mm	3/8" BSPP
A9500-1212	12 mm	1/2" BSPP
A9500-1412	14 mm	1/2" BSPP
A9500-1512	15 mm	1/2" BSPP
A9500-1612	16 mm	1/2" BSPP
A9500-1812	18 mm	1/2" BSPP

## STRAIGHT ADAPTOR BSPT MALE



1460

PART NUMBER	TUBE OD	THREAD
A9480-0418	4 mm	1/8" BSPT
A9480-0618	6 mm	1/8" BSPT
A9480-0614	6 mm	1/4" BSPT
A9480-0818	8 mm	1/8" BSPT
A9480-0814	8 mm	1/4" BSPT
A9480-0838	8 mm	3/8" BSPT
A9480-1014	10 mm	1/4" BSPT
A9480-1038	10 mm	3/8" BSPT
A9480-1238	12 mm	3/8" BSPT
A9480-1212	12 mm	1/2" BSPT
A9480-1412	14 mm	1/2" BSPT
A9480-1512	15 mm	1/2" BSPT
A9480-1612	16 mm	1/2" BSPT
A9480-1812	18 mm	1/2" BSPT

## STRAIGHT ADAPTOR TUBE TO TUBE



1460

PART NUMBER	TUBE OD
A9460-04	4 mm
A9460-06	6 mm
A9460-08	8 mm
A9460-10	10 mm
A9460-12	12 mm
A9460-14	14 mm
A9460-15	15 mm
A9460-16	16 mm
A9460-18	18 mm

## SINGLE BANJO BODY BSPP MALE



1460

PART NUMBER	TUBE OD	THREAD
A9550-0418	4 mm	1/8" BSPP
A9550-0618	6 mm	1/8" BSPP
A9550-0614	6 mm	1/4" BSPP
A9550-0818	8 mm	1/8" BSPP
A9550-0814	8 mm	1/4" BSPP
A9550-0838	8 mm	3/8" BSPP
A9550-1014	10 mm	1/4" BSPP
A9550-1038	10 mm	3/8" BSPP
A9550-1238	12 mm	3/8" BSPP