
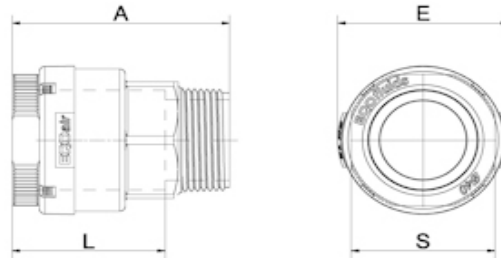


EQOair Aluminium Male Threaded Adapter

| Male Adaptor | Part N. | Ø | Fig. | A | E | L | S | gr. |
|-----------------------------------------------------------------------------------|----------------|-----------|------|-------|-------|------|-------|---------|
|  | 8-.020.020.049 | 20x1/2" | A | 49,0 | 37,0 | 35,0 | 29,0 | 41,0 |
| | 8-.020.020.069 | 20x3/4" | A | 51,5 | 37,0 | 35,0 | 29,0 | 48,0 |
| | 8-.020.025.069 | 25x3/4" | A | 55,0 | 42,0 | 37,0 | 36,0 | 57,0 |
| | 8-.020.025.089 | 25x1" | A | 60,5 | 42,0 | 37,0 | 36,0 | 84,0 |
| | 8-.020.032.089 | 32x1" | A | 68,0 | 51,0 | 46,0 | 43,0 | 110,0 |
| | 8-.020.032.109 | 32x1.1/4" | A | 70,0 | 51,0 | 46,0 | 43,0 | 128,0 |
| | 8-.020.040.109 | 40x1.1/4" | A | 81,0 | 63,0 | 57,0 | 53,0 | 185,0 |
| | 8-.020.040.129 | 40x1.1/2" | A | 81,0 | 63,0 | 57,0 | 53,0 | 199,0 |
| | 8-.020.050.129 | 50x1.1/2" | A | 92,0 | 78,5 | 68,0 | 66,0 | 317,0 |
| | 8-.020.050.169 | 50x2" | A | 95,5 | 78,5 | 68,0 | 66,0 | 329,0 |
| | 8-.020.063.169 | 63x2" | A | 119,0 | 95,0 | 83,0 | 82,0 | 530,0 |
| | 8-.020.063.209 | 63x2.1/2" | A | 121,0 | 95,0 | 83,0 | 82,0 | 655,0 |
| | 8-.020.090.249 | 90x3" | A | 130,0 | 132,0 | 93,0 | 118,0 | 1.010,0 |



Technical Details

| | EQOair | | | | | |
|-----------------------------------------|------------------------------------------------------------|--|--|--|--|--|
| Standard Colour | RAL 5012 | | | | | |
| Max Working Pressure | 16 bar | | | | | |
| Plant Testing Pressure 1 hour at 20°C | 24 bar | | | | | |
| Quality Testing Pressure 1 hour at 20°C | 72 bar | | | | | |
| Production tested percentage | 1% | | | | | |
| O.Ring & Lip Gasket Material | NBR 65/75 S.A | | | | | |
| Continuous Service Temperature Limit | -30°C - 120°C | | | | | |
| Aluminium Pipe Mechanical Resistance | According to EN-755-2/2008 standards | | | | | |
| Pipe Material | Aluminium alloy EN AW 6060 - T5 according to EN 755-2/2008 | | | | | |
| Pipe Thickness mm | Tube lenght tolerance +0 -0,1% | | | | | |
| Aluminium Fittings Material | Aluminium Alloy EN Aw 6061 T6 / ENAB 42000 | | | | | |
| Clamp Ring Material | AISI 304 Stainless Steel | | | | | |
| Threads Standards | BSPT - British standard pipe taper - ISO 7-1 | | | | | |
| Pipe Surface treatment | Polyester resin coated | | | | | |

Components (DN20 - DN90)



1. Nut
2. Identification Ring
3. Clamping Ring
4. O-Ring
5. Body

Components (DN110 - DN160)



1. Half Blocking Ring
2. Lip Seal
3. Clamping Ring
4. Identification Mark Holder
5. Body
6. Bolts

Preperation

Verify the integrity of the pipe section to be inserted in the fitting.
Any scratches on the paint, if not deep, can be eliminated using 300-600 fine emery paper.
Deep dents/scratches can be eliminated only by changing the branch position or by replacing the pipe section.

When necessary, cut the pipe with a neat 90° cut. Carefully deburring the internal and external sharp resulting edges and make an external bevel of 2-4 mm length with a 30° taper.

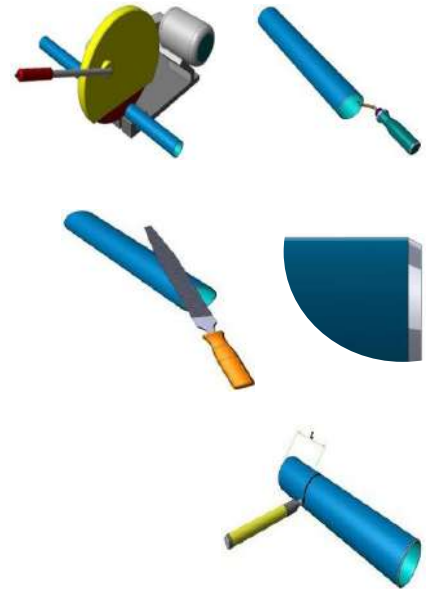
All pipe supplied should be deburred internally, externally and beveled.

Mark the pipe so to have a reference for its correct insertion into the fitting to make sure it exceeds the gasket.

The table below shows the correct reference lengths.

| DN | 20 | 25 | 32 | 40 | 50 | 63 | 90 |
|-------|----|----|----|----|----|----|----|
| L(mm) | 35 | 38 | 49 | 60 | 76 | 96 | 93 |

Lubricate the marked pipe section.

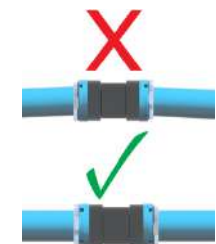


Assembly (DN20 - DN90)

Loosen the nut until the clamp ring is loose.



Ensure the pipe and fittings are parallel to each other.



Insert the pipe into the fitting up to align the reference mark with the external nut surface.



Tighten the nut by hand. In this case, the water tightness and axial clamping are ensured.



Assembly (DN110 - DN160)

Loosen the bolts of the fitting.

Ensure the pipe and fittings are parallel to each other.

Insert the pipe into the fitting up to align the reference mark with the external blocking ring surface.

Tighten all the bolts at a torque value of 15 N/m.

