
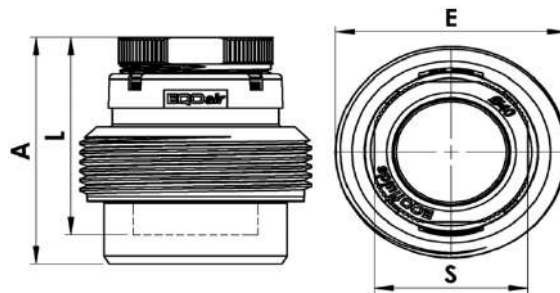


EQOair Aluminium Reducing Coupling

Reducer	Part Number	Ø	Fig.	A	E	L	S	gr.
	8-.025.025.020	25x20	A	46,0	33,0	35,0	29,0	52,0
	8-.025.032.025	32x25	A	52,6	42,0	37,0	36,0	82,0
	8-.025.040.020	40x20	A	59,5	52,0	35,0	29,0	152,0
	8-.025.040.025	40x25	A	60,6	52,0	37,0	36,0	174,0
	8-.025.040.032	40x32	A	54,6	52,0	46,0	43,0	118,5
	8-.025.050.040	50x40	A	73,0	64,8	57,0	53,0	240,0
	8-.025.063.040	63x40	A	86,3	79,5	57,0	53,0	394,0
	8-.025.063.050	63x50	A	84,0	79,5	68,0	66,0	416,0
	8-.025.090.063	90x63	A	111,8	114,0	83,0	82,0	1.150,0
	8-.025.110.090	110x90	B	117,0	123,0	93,0	118,0	1.250,0
	8-.025.160.110	160x110	B	180,5	206,0	73,0	154,0	2.600,0



Technical Details

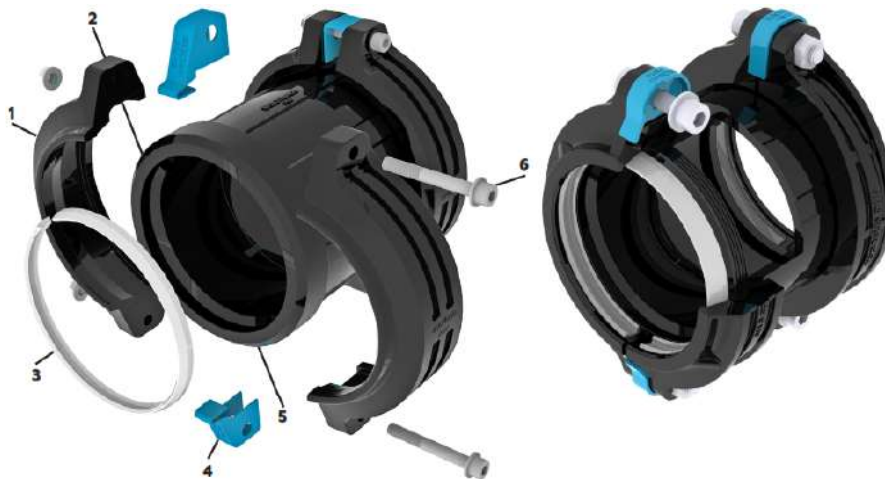
	EQOair						
Standard Colour	RAL 5012						
Max Working Pressure	16 bar						
Plant Testing Pressure 1 hour at 20°C	24 bar						
Quality Testing Pressure 1 hour at 20°C	72 bar						
Production tested percentage	1%						
O.Ring & Lip Gasket Material	NBR 65/75 S.A						
Continuous Service Temperature Limit	-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

Reducer Installation (DN20 - DN90)

First refer to DN20 - DN90 fittings assembly instructions.



Remove the nut, clamping ring and identification ring from the fitting in which the reducer will be fitted.

Insert threaded end of reducer into fitting, tighten as required.



Reducer Installation (DN110 - DN160)

First refer to DN110 - DN160 fittings assembly instructions.



Remove the blocking & clamping rings and identification mark from the fitting in which the reducer will be fitted.

Insert the reducer into the fitting in the desired position.
Reassemble the pipe fittings.
Tighten the bolts to 15N/m



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.

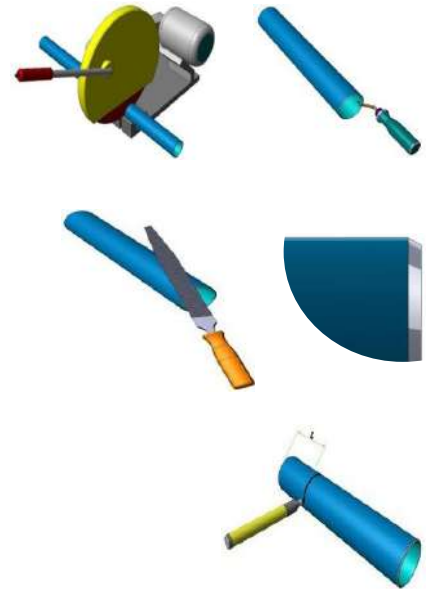
All pipe supplied should be deburred internally, externally and beveled.

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.

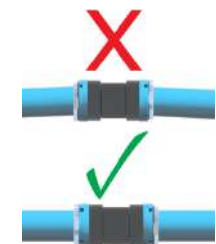


Assembly (DN20 - DN90)

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.

