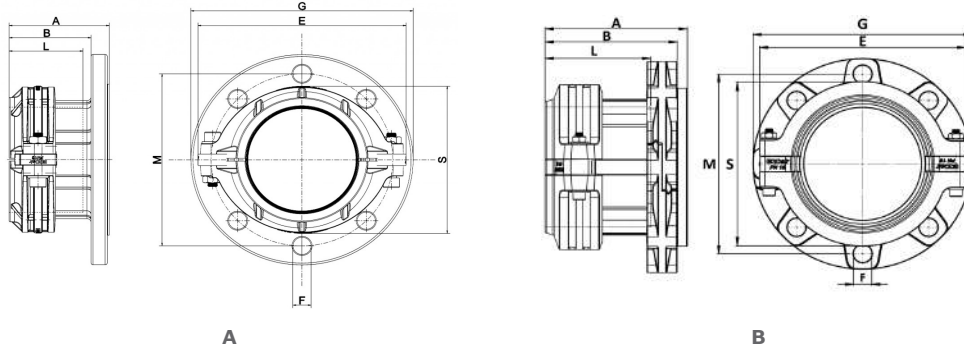


# EQOair Coupling

Flange Adaptor	Part Number	Ø	Fig.	A	B	E	F	G	L	M	S	gr.
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8-035.110.328	110x4"	A	99,0	73,0	206,0	18,0	220,0	75,0	180,0	154,0	2.485
8-035.160.488	160x6"	B	184,0	171,0	221,0	23,5	283,0	133,5	240,5	221,0	7.450



## Technical Details

	<b>EQOair</b>											
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 tollerance +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

## Type B Flange Adapter Assembly (On Fittings)

Remove the blocking & clamping rings and identification mark holder on the fitting where the flange will be added.



Place the flange in the desired position.



Follow installation instructions below.



## Flange Adapter Installation

Place flange adaptor in the desired position, aligning the holes with those on the other flange or valve.



Insert the flat gasket between both flanges. Aligning the holes on the gasket with the holes on the flange or valve.



Insert and tighten nuts, bolts and washers to required torque.



# 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.

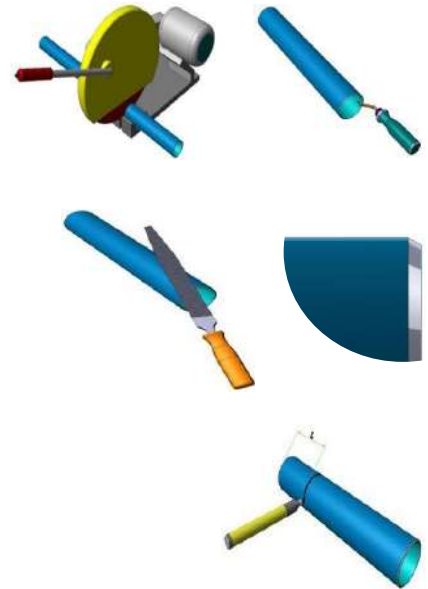
All pipe supplied should be deburred internally, externally and beveled.

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.

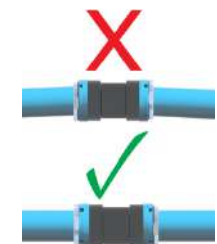


# Assembly (DN20 - DN90)

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.

