aerospace
climate control
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filtration
fluid & gas handling
hydraulics
pneumatics
process control
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Transair®: The Original Aluminium Pipework System for Industrial Fluids

Pocket Installation Guide
Aluminium Range Ø16.5 - 25 - 40 - 50 - 63 - 76 - 100 - 168 mm

Parker

ENGINEERING YOUR SUCCESS.

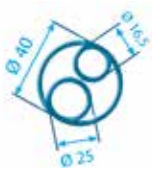
SUMMARY

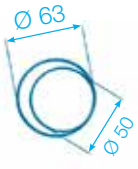
This installation guide is intended to be used by any technician who should install a Transair® aluminium range network. It is a synthesis of all Transair® assembly instructions and explains how to install, to modify the pipework, to add new drops and final commissioning of the network.
It also lists all the products that a user may need to realise the work from the compressor to the point of use.

For any further information don't hesitate to contact our services.

CONTENT

NB: for products not mentioned in this pocket guide, please refer to corresponding assembly guide sent with products.





TECHNICAL SPECIFICATIONS

Suitable Fluids
• Compressed air (dry, wet, lubricated) • Vacuum • Inert gases

Max. Working Pressure
16 bar (from -20°C to +45°C) up to 100mm 13 bar (from -20°C to +60°C) for all diameters 7 bar (from -20°C to +85°C) for all diameters

Temperature Range
Working: from -20°C to +85°C Storage: from -40°C to +85°C

Resistance to
• Corrosion • Mineral & synthetic compressor oils • Aggressive environments • Mechanical shocks • Thermal variations • Ultraviolet (UV)

Vacuum Level
99 % (10 mbar absolute pressure)

CERTIFICATIONS AND GUARANTEES

All Transair® brochures can be downloaded on:

www.parkertransair.com/downloading

SIZING

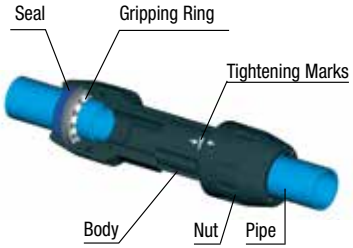
Select the Transair® diameter for your application based on required flow against pressure drop. Estimated values for: a closed loop network, a pressure of 8 bar with 5% pressure drop. Velocity is not taken into account.

Download now the
Transair® Sizing Tool!

Flow rate			Length										Compressor (kw)
			164ft	328ft	492ft	984ft	1640ft	2460ft	3280ft	4265ft	5249ft	6561ft	
Nm³/h	Nl/min	cfm	50m	100m	150m	300m	500m	750m	1000m	1300m	1600m	2000m	
10	167	6	16.5	16.5	16.5	16.5	25	25	25	25	25	25	1
30	500	18	16.5	25	25	25	25	40	40	40	40	40	3
50	833	29	25	25	25	40	40	40	40	40	40	40	5,5
70	1167	41	25	25	25	40	40	40	40	40	40	40	7,5
100	1667	59	25	40	40	40	40	40	40	50	50	50	11
150	2500	88	40	40	40	40	40	50	50	50	50	63	15
250	4167	147	40	40	40	50	50	63	63	63	63	76	25
350	5833	206	40	40	50	50	63	63	63	76	76	76	30
500	8333	294	40	50	50	63	63	76	76	76	100	100	45
750	12500	441	50	63	63	76	76	100	100	100	100	100	75
1000	16667	589	50	63	76	76	100	100	100	100	100	168	90
1250	20833	736	63	76	76	100	100	100	100	168	168	168	110
1500	25000	883	63	76	76	100	100	100	168	168	168	168	132
1750	29167	1030	76	76	100	100	100	168	168	168	168	168	160
2000	33333	1177	76	76	100	100	168	168	168	168	168	168	200
2500	41667	1471	76	100	100	100	168	168	168	168	168	168	250
3000	50000	1766	100	100	100	168	168	168	168	168	168	168	315
3500	58333	2060	100	100	100	168	168	168	168	168	168	168	355
4000	66667	2354	100	100	168	168	168	168	168	168	168	168	400
4500	75000	2649	100	100	168	168	168	168	168	168	168	168	450
5000	83333	2943	100	168	168	168	168	168	168	168	168	168	500
5500	91667	3237	100	168	168	168	168	168	168	168	168	168	550
6000	100000	3531	100	168	168	168	168	168	168	168	168	168	600
6500	108333	3826	168	168	168	168	168	168	168	168	168	168	650
7000	116667	4120	168	168	168	168	168	168	168	168	168	168	700

QUICK CONNECTION TECHNOLOGY

Transair's innovative technology takes into account the specific requirements of each diameter and provides the user with an optimum safety coefficient and easy connection.

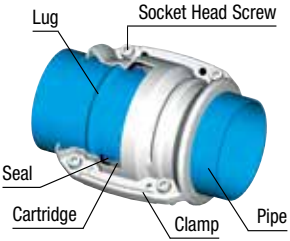


Ø16.5 - Ø25 - Ø40 mm

Simply push the pipe into the connector up to the connection mark. The gripping ring of each fitting is then automatically secured and the connection is safe.

Ø50 - Ø63 mm

Transair's SnapRing secures the connection between the nut and the pipe - tightening of the nuts secures the final assembly.



Ø76 - Ø100 - Ø168 mm

Position the pipes to be connected within the Transair® cartridge and close/tighten the Transair clamp.

TOOLING FOR RING MAIN

Tooling required for ring main assembly:

Tooling required for ring main assembly in Ø16.5, Ø25 or Ø40:

Transair®	
6698 03 01	PIPE CUTTER DIAM. 16.5 > DIAM. 76
6698 04 01	CHAMFER TOOL DIAM. 16.5 > DIAM. 40
6698 04 03	MARKING TOOL DIAM. 16.5 > DIAM. 40

Tooling required for ring main assembly in Ø50 or Ø63:

Transair®	
6698 03 01	PIPE CUTTER DIAM. 16.5 > DIAM. 76
6698 01 03	DRILLING JIG FOR RIGID ALUMINIUM PIPE DIAM. 25 > DIAM. 63
6698 02 01	DRILLING TOOL FOR RIGID ALUMINIUM PIPE DIAM. 40 > DIAM. 63
6698 04 02	DEBURRING TOOL
6698 05 03	SET OF TIGHTENING SPANNERS FOR DIAM. 50 AND DIAM. 63

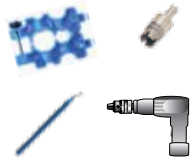
Tooling required for ring main assembly in Ø76, Ø100 and Ø168:

Transair®	
6698 03 01	PIPE CUTTER DIAM. 16.5 > DIAM. 76
EW08 00 03	PIPE CUTTER DIAM. 100 > DIAM. 168
EW01 00 01	PORTABLE TOOL KIT 220 V
EW02 L1 00	JAWS SET FOR PORTABLE TOOL DIAM. 76
EW02 L3 00	JAWS SET FOR PORTABLE TOOL DIAM. 100
EW02 L8 00	JAWS SET FOR PORTABLE TOOL DIAM. 168
6698 04 02	DEBURRING TOOL

TOOLING FOR DROPS

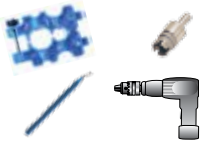
Tooling required to assemble a drop:

Tooling required to install a drop on a Ø25 or a Ø40 ring main:



Transair®	
6698 01 03	DRILLING JIG FOR RIGID ALUMINIUM PIPE DIAM. 25 > DIAM. 63
6698 02 02	DRILLING TOOL FOR RIGID ALUMINIUM PIPE DIAM. 25
6698 02 01	DRILLING TOOL FOR RIGID ALUMINIUM PIPE DIAM. 40 > DIAM. 63
6698 04 02	DEBURRING TOOL

Tooling required to install a drop on a Ø50 or Ø63 ring main:



Transair®	
6698 01 03	DRILLING JIG FOR RIGID ALUMINIUM PIPE DIAM. 25 > DIAM. 63
6698 02 01	DRILLING TOOL FOR RIGID ALUMINIUM PIPE DIAM. 40 > DIAM. 63
6698 04 02	DEBURRING TOOL

Tooling required to install a drop on a Ø76, Ø100 or Ø168 ring main:

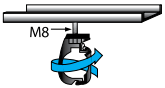
Transair®	
EW09 00 30	DRILLING TOOL FOR RIGID ALUMINIUM PIPE DIAM. 76 AND DIAM. 100
EW09 00 51	DRILLING TOOL FOR RIGID ALUMINIUM PIPE DIAM. 168 - 1 1/2"
EW09 00 64	DRILLING TOOL FOR RIGID ALUMINIUM PIPE DIAM. 168 - 2"
6698 04 02	DEBURRING TOOL

Tooling required to install a drop under pressure:

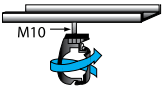
Transair®	
EA98 06 00	PRESSURISED SYSTEM DRILLING TOOL
EA98 06 01	PRESSURISED SYSTEM OUTLET DIAM. 25
EA98 06 02	PRESSURISED SYSTEM OUTLET DIAM. 40
EA98 06 04	PRESSURISED SYSTEM OUTLET DIAM. 50
EA98 06 03	PRESSURISED SYSTEM OUTLET DIAM. 63

TRANSAIR® FIXTURES

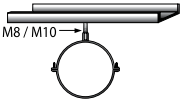
To ensure good system stability, we recommend the use of at least 2 clips per pipe. Transair® aluminium pipe should only be mounted using these clips. They should not be substituted by any other type of clip or fixing.



Ø16.5, Ø25 and Ø40
M8 nuts

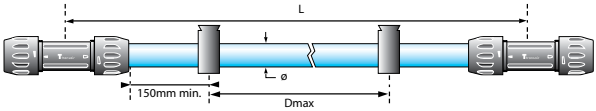


Ø50 - Ø63
M10 nuts



Ø76, Ø100 and Ø168
For Ø76 and Ø100: M8/M10 thread
For Ø168: M10 thread

Transair® Fixing Clip for all Diameters

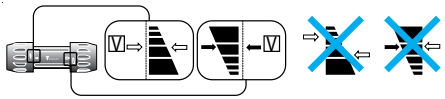


Ø	L (m)	Dmax (m)
16.5	3	2,5
25	3	2,5
25	6	3
40	3	2,5
40	6	4
50	3	2,5
50	6	4
63	3	2,5
63	6	4
76	3	2,5
76	6	5
100	3	2,5
100	6	5
168	3	2,5
168	6	5

RING MAIN ASSEMBLY

Assembly Rules per Diameter:

Ø16.5 / Ø25 / Ø40



1. Verify alignment of the arrows of the nuts and arrows of the fittings. They guarantee the threading torque of the nuts.

2. Push the pipe in the fitting to the "connection" marking at the end of the pipe. Mechanical connection and tightness will then be guaranteed.

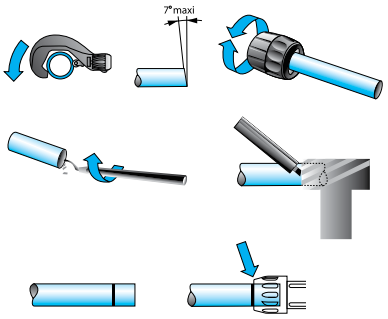
Connection length for all pipe-to-pipe fitting are equal to:

For 6602/6604/6606/4002 Connectors:

- 25 mm for Ø16.5
- 27 mm for Ø25
- 45 mm for Ø40

For 6625 End Cap:

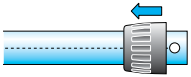
- 39 mm for Ø16.5
- 42 mm for Ø25
- 64 mm for Ø40



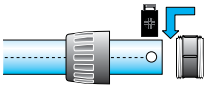
3. If you cut the pipe, don't forget to deburr it and to reproduce the connection length mark with marking tool.

RING MAIN ASSEMBLY

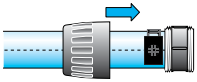
Ø50 / Ø63



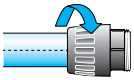
1. Unscrew one of the connector nuts and fit over the pipe.



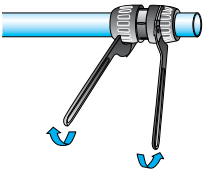
2. Position the SnapRing in the appropriate housings (2 holes at the end of the pipe).



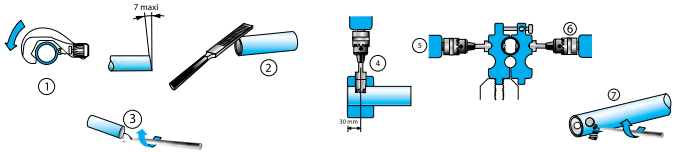
3. Bring the nut towards the body, that has been previously positioned at the end of the pipe, until it stops against the SnapRing.



4. Tighten the nut by hand.

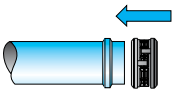


5. Complete the assembly with Transair® tightening spanners ref. 6698 05 03.

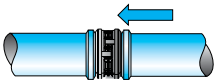


RING MAIN ASSEMBLY

Ø76 / Ø100 / Ø168

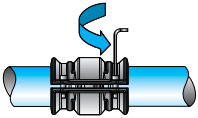


1. Slip the cartridge over the end of the first pipe fully up to the shoulder.

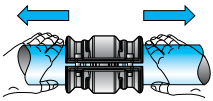


2. Bring the second pipe to the cartridge and slide fully up to the shoulder.

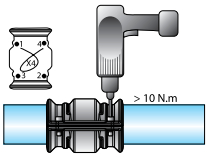
3. Position the clamp over the cartridge / pipe assembly.



4. Hand tighten the pre-fitted screws with an Allen key.



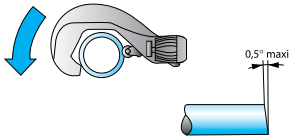
5. Pull the pipes fully back towards the outside of the clamp.

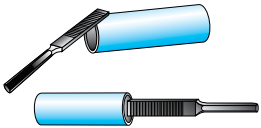


6. Fully tighten the clamp screws. For effective clamp sealing, screw tightening should be performed on alternate sides of the clamp as shown on the left.

RING MAIN ASSEMBLY

Ø76 / Ø100 / Ø168

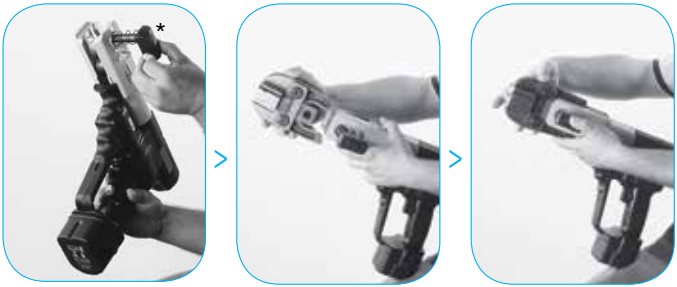




1. Cutting the pipe :
- place the pipe in the pipe cutter
- position the blade on the pipe
- rotate the pipe cutter around the pipe while gently tightening the wheel.

2. Carefully deburr and chamfer the outer and inner edges of the pipe with a file.

3. Preparing the tool to create the lugs:



Open the retaining pin at the front of the machine by pressing the jaws release button*.

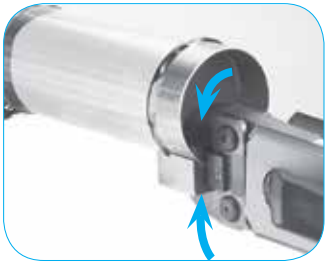
Place the jaws in the housing.

Lock in position by closing the retaining pin.

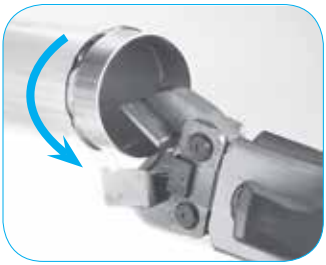
RING MAIN ASSEMBLY

4. Creating the lugs for Ø76, Ø100 or Ø168 cut pipe:

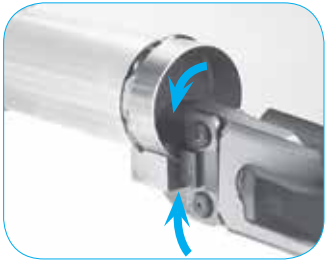
Manually open the jaws of the clamp and insert the aluminium pipe into the clamp as far as it will go.



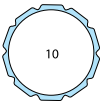
Release the jaws. Press the trigger and crimp the tube until a 'snap' sound is heard.



Re-open the two jaws to remove the pipe and rotate the pipe slightly.



Renew the operation until the required minimum number of lugs for each diameter is achieved.

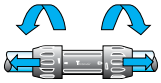
	Ø76	Ø100	Ø168
Min. Number of Lugs			

Important: do not overlap the lugs!

NETWORK MODIFICATION

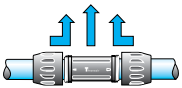
Ø16.5 / Ø25 / Ø40

Replacing a straight union by a tee or a valve:



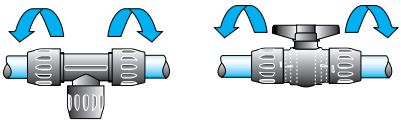
1. Loosen the 2 nuts.

2. Slide them along the pipe on either side of the connector.

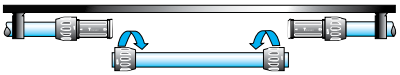


3. Remove the body of the connector, together with the nuts.

4. Slide the nuts of the tee and position the body of the tee between the 2 pipes such that the solid and empty arrows are facing each other.



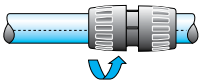
5. Re-tighten the nuts until the empty and solid arrows are aligned with each other.



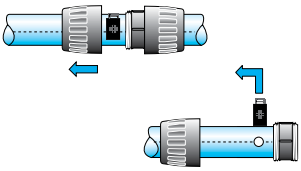
Unscrew the nuts from the side of the pipe that should be removed, slip them on the pipe, then take off the pipe.

NETWORK MODIFICATION

Ø50 / Ø63



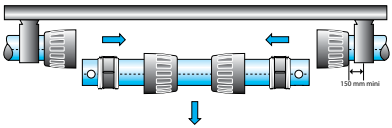
1. Loosen the connector nuts on the ends of the pipe to be removed.



2. Slide them along the pipe.

3. Remove the SnapRing from their housings.

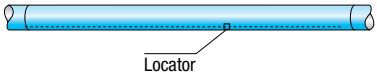
4. Slide the clamps and the connector body along the pipe which is to be removed.



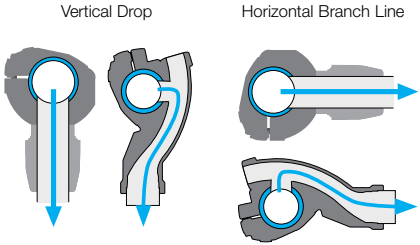
5. Repeat the operation at the other end of the pipe and laterally remove the pipe, complete with the assembly components.

ASSEMBLY GUIDE FOR DROPS

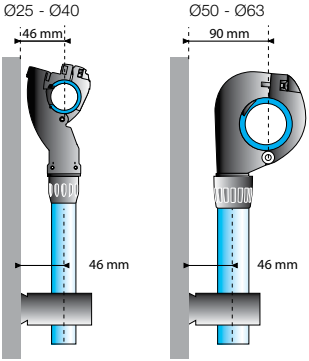
Introduction to Drop Assembly



On every pipe two lines are printed at 90° distance. They both allow installation of aligned or perpendicular brackets/ drops on the same pipe.



Transair® quick assembly brackets can be installed vertically or horizontally.



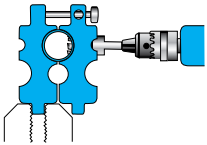
For Ø25 and Ø40 Transair® quick assembly brackets, the pipe centre to wall distance is equal to the bracket centre to wall distance, i.e. 46mm.

For Ø50 and Ø63 Transair® quick assembly brackets the pipe centre to wall distance is 90mm and the Ø25 and Ø40 bracket centre distance is 46mm.

ASSEMBLY GUIDE FOR DROPS

Ø25 / Ø40 / Ø50 / Ø63 —> Ø16.5 / Ø25

1. Mark the pipe at the desired position for the bracket. The mark should be placed on one of the locator marks so that multiple brackets are correctly aligned, when several take-off points are required.



> Place the drilling jig in a vice or on the floor and place the pipe in the jig.
> Ensure that the line marked on the pipe is centred within the drilling guide: 2 marks on either side of the jig's upper side provide a rapid indication of the pipe's positioning.
> Tighten the locking clamp to secure the pipe and drill using the appropriate drilling tool.

- Ø25: Ø16 mm hole > drilling tool **6698 02 02**
- Ø40-Ø50-Ø63: Ø22 mm hole > drilling tool **6698 02 01**

NB: Recommended rotation speed: 650 rpm.

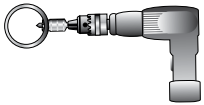
2. Loosen the locking clamp and release the pipe, deburr and remove any swarf and the cut circular aluminum piece of pipe. Repeat the operation for the number of brackets that you wish to fit.

3. Position the quick assembly bracket using its location hole.

4. Tighten the screw with Allen key Hex 5 mm or Hex 3/16 inch.

ASSEMBLY GUIDE FOR DROPS

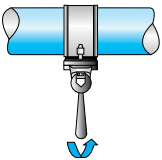
Ø76 / Ø100 / Ø168 —> 1", 1 1/2", 2"



1. Drill the aluminum pipe at the desired position using drilling tool ref. **EW09 00 30, EW09 00 51, EW09 00 64**.

NB: Recommended rotation speed: 650 rpm.

2. Carefully deburr the pipe.

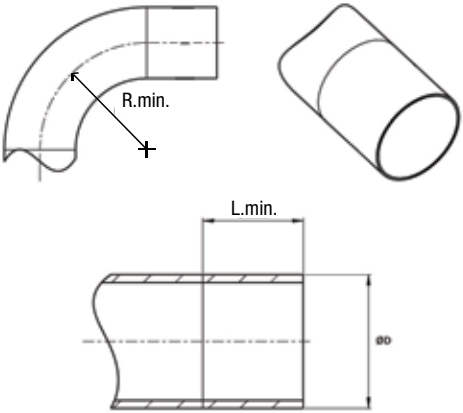


3. Position bracket ref. RR61 / RR63 and fully tighten the 2 screws.

Diameter	Transair®	Bolt Torque (Nm)	Bolt Torque (Lbs.-ft)
Ø76	RR61 L1 08	70-75 Nm	50-55 Lbs.-ft
Ø100	RR61 L3 08	70-75 Nm	50-55 Lbs.-ft
Ø168	RR63 L8 12	135-175 Nm	100-130 Lbs.-ft
Ø168	RR63 L8 16	135-175 Nm	100-130 Lbs.-ft

BENDING

ALL DIAMETERS



Transair®	R min. (mm)	L min. (mm)
Ø16.5	102	185
Ø25	154	185
Ø40	250	185
Ø50	300	185
Ø63	394	185
Ø76	317	185
Ø100	423	185
Ø168	700	185

ADDITIONAL PRODUCTS

To complete the installation you will find hereafter a list of accessories you may need. Please contact us for further information and product part numbers.

Composite Automatic Safety Couplers:

- For quick and repetitive connection and disconnection
- 100% safety
- Very high flow, extremely low pressure loss

Profiles available:
ISO B 5,5 mm
ISO B 8 mm
EURO 7,2 mm
ARO 5,5 mm

PU Recoil Tubing:

- Perfectly suited to installations requiring flexibility in a reduced space

Lengths available: 2m, 4m or 6m
with internal diameters: 4 mm, 5mm, 7mm, 8mm

Blowgun:

- Dusting, cooling and drying components
- Removing swarf
- Cleaning machinery
- Compliance with OSHA 1910.242 (b) and OSHA 1910.95 (b)

Hose Reels:

- Optimise productivity and the safety of your work area
- Prevent hose damage occurring on the workshop floor

Lengths available: 10m, 16m or 21m
with internal diameter: 8 mm, 10 mm, 12,5 mm

Filters, Regulators, Lubricators and Manometers:

- Can be fitted downstream of the compressed air installation and at the take-off point on workstations and machines.

Ports available: 1/4" or 1/2"
Filter, regulator, lubricator and manometer available separately or as a complete set.

SPECIAL PRODUCTS

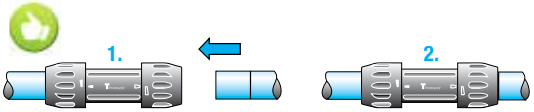
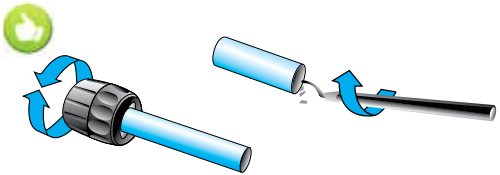
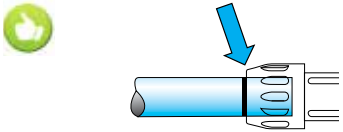
For specific needs, we can develop tailor made products.

These special requests can include:
- Pre-assembly of existing products
- Drilling of pipes
- Pipes cutting and hoses preparation
- Special colored pipes
- Pipe bending
- Special manifold or wall brackets.

Please contact us for further information.

DO'S

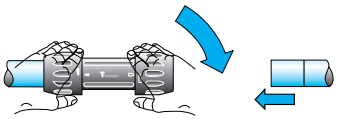
Ø16.5 / Ø25 / Ø40

> Connection	
> Use a pipe cutter	
> Carefully chamfer and deburr the pipe after cutting or drilling	
> Check that the pipe is correctly positioned in the connector	

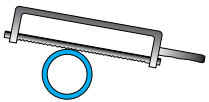
DON'TS

Ø16.5 / Ø25 / Ø40

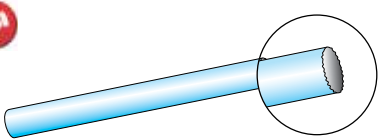
> Don't loosen the nuts during assembly



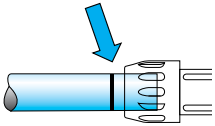
> Don't cut the pipe with the saw



> Don't use non-deburred pipe



> Don't fail to make the pipe secure



> Don't overtight with pliers

FINAL COMMISSIONING

Transair Advice for Final Commissioning of a Compressed Air Network

Example - considering a system working at 6 bar pressure.

1. Run compressor at 3bar pressure to check integrity of the Transair system and that the compressors are running correctly.

2. Leave the pipework under pressure for a period of 12 hours overnight. During this period the Transair system should be isolated from machine and tools (drops valve should be closed).

3. Upon checking of the system after the 12 hour period, the compressor read can show a 0.3bar pressure loss from 3bar to 2.7bar (with constant temperature).

4. The system pressure is increased to design pressure (6 bar in this example) for a further 4 hours again (with no leak recorded from the Transair® system).

5. The system is then increased to 9bar (1.43x the max operating pressure) for a period of 1 hour with no further issues (NB: for this test, pressure of the system can exceed 16bar).

6. Purge the system, and you can start to work.

Legal Requirement for Installers according to PED 97/23/CE - ANNEX I Essential Safety Requirements

" ***3.2. Final Assessment:***
pressure equipment must be subject to final assessment as described below.

3.2.1. Final Inspection:
pressure equipment must undergo a final inspection to assess visually and by examination of the accompanying documents compliance with the requirements of the Directive. Test carried out during manufacture may be taken into account.

3.2.2. Proof Test:
final assessment of pressure equipment must include a test for the pressure containment aspect, which will normally take the form of a hydrostatic pressure test at a pressure at least equal, where appropriate, at the maximum allowable pressure multiplied by the coefficient 1.43.

For category I series-produced pressure equipment, this test may be performed on a statistical basis. For series-produced pressure equipment under the article 3.3, this test is not necessary. "

FINAL COMMISSIONING

For the Transair system, the category is defined according to the diameter and the working pressure:

	1 bar	7 bar	10 bar	13 bar	16 bar
Ø16.5	Article 3.3	Article 3.3	Article 3.3	Article 3.3	Article 3.3
Ø25	Article 3.3	Article 3.3	Article 3.3	Article 3.3	Article 3.3
Ø40	Article 3.3	Article 3.3	Article 3.3	Article 3.3	Article 3.3
Ø50	Article 3.3	Article 3.3	Article 3.3	Article 3.3	Article 3.3
Ø63	Article 3.3	Article 3.3	Article 3.3	Article 3.3	Article 3.3
Ø76	Article 3.3	Article 3.3	Article 3.3	Article 3.3	Category I
Ø100	Article 3.3	Article 3.3	Article 3.3	Category I	Category I
Ø168	Article 3.3	Category I	Category I	Category I	Category I

Requested Documentation for Category I Equipment

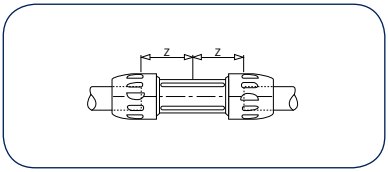
To comply with the PED here is a list of documents you should provide to the end user and how to get them for Transair.

- **Assembly Guide:** for every diameter it is delivered with the Transair pipes or fittings.
- **CE Certificate:** Transair conforms the European Pressure Equipment Directive 97/23/EC for article 3.3 and category I. Contact Parker Transair for the latest version.
- **ISO 9001 Certificate:** this document has a validity date.
Contact Transair for the latest version.
- **Material Certificate B3.1B for Pipes:** it attests the conformity of the aluminum used (according to NF EN 10204). Ask for this document when placing the order. If needed you can also ask it after delivery with the batch number marked on the pipes (see example on this picture).

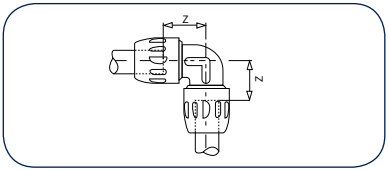
- **Material Certificate for Fittings:** the certificate 2.2 attests the quality checks completed during production (according to NF EN 10204). Ask for this document when placing the order, it can't be issued after as the name of the client and the order number have to be indicated on the certificate.
- **Isometric Plan of the System:** if needed, the Transair quotation service can help you providing a drawing of the network (transair.quotation@parker.com).
- **Calculation Note:** Transair aluminum pipes are produced according to EN 755-2, which defines the mechanical characteristics, and the TÜV certificate includes control of the design and of the safety factors. If you need more information, please contact Parker Transair.

Z DIMENSIONS

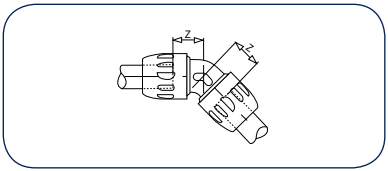
6606-6676	Z (mm)
Ø16.5	33
Ø25	48
Ø40	57
Ø50	25
Ø63	25



6602	Z (mm)
Ø16.5	31
Ø25	40
Ø40	62
Ø50	56
Ø63	61

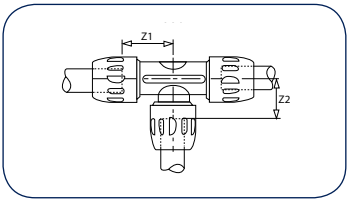


6612	Z (mm)
Ø25	29
Ø40	45
Ø50	38
Ø63	37

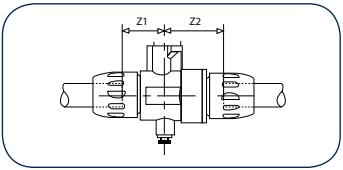


Z DIMENSIONS

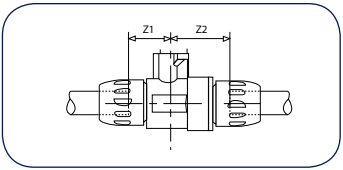
6604	Z1 (mm)	Z2 (mm)
Ø16.5	34	31
Ø25	48	40
Ø40	57	57
Ø50	56	56
Ø50 -> Ø25	56	111
Ø50 -> Ø40	56	107
Ø63	61	61
Ø63 -> Ø40	61	116
Ø63 -> Ø50	61	117



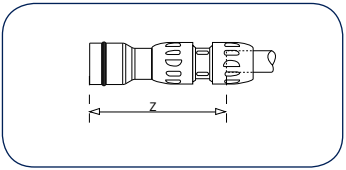
4089-4099	Z1 (mm)	Z2 (mm)
Ø16.5	29	42
Ø25	40	55



4002-4092	Z1 (mm)	Z2 (mm)
Ø40	57	57
Ø50	60	43
Ø63	84	98

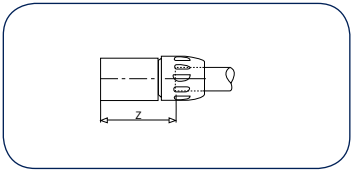


RX64-RA66	Z (mm)
Ø76 -> Ø50	270
Ø76 -> Ø63	280
Ø100 -> Ø50	290
Ø100 -> Ø63	300
Ø100 -> Ø76	193
Ø168 -> Ø76	210
Ø168 -> Ø100	210

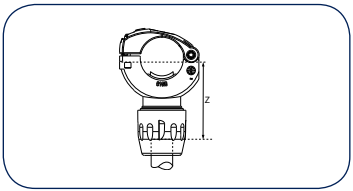


Z DIMENSIONS

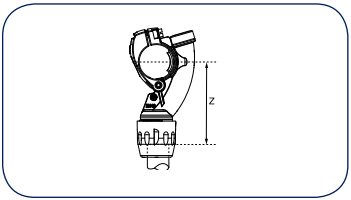
6666	Z (mm)
Ø25 -> Ø16.5	50
Ø40 -> Ø25	71
Ø50 -> Ø40	103
Ø63 -> Ø40	105
Ø63 -> Ø50	101



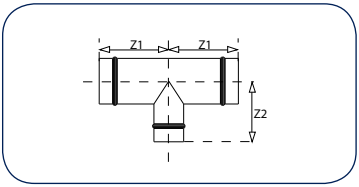
RA69	Z (mm)
Ø25 -> Ø16.5	47
Ø40 -> Ø25	63
Ø50 -> Ø25	66



6662	Z (mm)
Ø25 -> Ø16.5	82
Ø25 -> Ø25	74
Ø40 -> Ø16.5	89
Ø40 -> Ø25	82
Ø50 -> Ø25	58
Ø63 -> Ø25	75

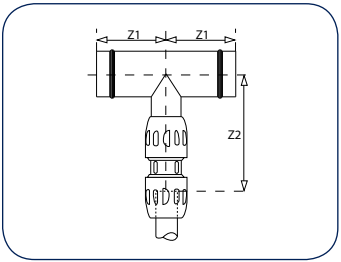


RX04	Z1 (mm)	Z2 (mm)
Ø76	146	146
Ø100	156	136
Ø168	180	185

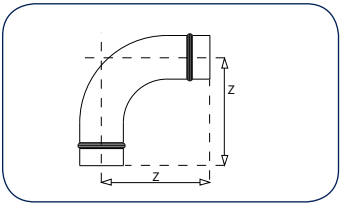


Z DIMENSIONS

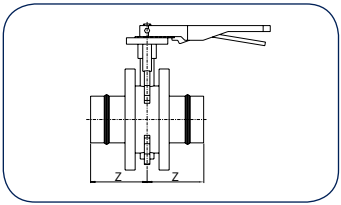
RX24-RA04	Z1 (mm)	Z2 (mm)
Ø76 -> Ø40	146	219
Ø76 -> Ø50	146	210
Ø76 -> Ø63	146	213
Ø100 -> Ø40	156	232
Ø100 -> Ø50	156	223
Ø100 -> Ø63	156	226
Ø100 -> Ø76	156	135
Ø168 -> Ø63	165	220
Ø168 -> Ø76	165	185
Ø168 -> Ø100	165	185



RX02-RA02	Z (mm)
Ø76	189
Ø100	227
Ø168	185



VR02	Z (mm)
Ø76	100
Ø100	103
Ø168	128



TRANSAIR: ADVANCED PIPE SYSTEMS

Aluminium Range

Calibrated Aluminium Pipes
Qualicoat painting

Diameters (in mm)
16.5 - 25 - 40 - 50 - 63 - 76 - 100 -168

Colours
Available in blue - grey - green
Other colours upon request

Maximum Working Pressure
16 bar (from -20°C to +45°C)
up to diameter 100 mm
13 bar (from -20°C to +60°C)
for all diameters
7 bar (from -20°C to +85°C)
for all diameters

Vacuum Level
99% (10 mbar absolute pressure)

Working Temperature
-20°C to 85°C

NBR Seals

Compatibility
Lubricated or oil-free compressed air, industrial vacuum, nitrogen (99,99% purity), inert gases

Stainless Steel Range

Stainless Steel Pipes
AISI 304 or 316L

Diameters (in mm)
22 - 28 - 42 - 60 - 76 -100

Maximum Working Pressure
10 bar (from -10°C to +60°C)
for all diameters
7 bar (from -10°C to +90°)
for all diameters

Working Temperature
-10°C to 90°C

EPDM or FKM Seals

Compatibility
Cooling water, industrial water with additives, lubricating oil, compressed air, inert gases

Certification

TRANSAIR: TOOLS AND SERVICES

Transair® Flow Calculator

Defines the recommended diameter for your project, estimates your pressure drops, and gives the maximum flow rate by diameter.

Transair® Vacuum Calculator

Helps you to size and compare vacuum systems quickly and easily.

Transair® Energy Efficiency Calculator

Evaluates the energy cost of your system and return on investment of a Transair® solution.

Transair® CAD Drawings

View or download Transair® CAD drawings in real time in 2D or 3D.

Transair® Website: www.parkertransair.com

Gives you access to extensive information about the Transair system, technical data, examples of existing networks and a download centre for catalogues, manuals, software and brochures.

Transair® Quotation Service: transair.quotation@parker.com

Gives you a budgeted or detailed quotation for your project and its implementation.

Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates, Dubai
Tel: +971 4 8127100
parker.me@parker.com

AT – Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt
Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ – Azerbaijan, Baku
Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BG – Bulgaria, Sofia
Tel: +359 2 980 1344
parker.bulgaria@parker.com

BY – Belarus, Minsk
Tel: +375 17 209 9399
parker.belarus@parker.com

CH – Switzerland, Etoy
Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ – Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid
Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HU – Hungary, Budaörs
Tel: +36 23 885 470
parker.hungary@parker.com

IE – Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IT – Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

KZ – Kazakhstan, Almaty
Tel: +7 7273 561 000
parker.easteurope@parker.com

NL – The Netherlands, Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker
Tel: +47 66 75 34 00
parker.norway@parker.com

PL – Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira
Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK – Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TR – Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

UA – Ukraine, Kiev
Tel: +380 44 494 2731
parker.ukraine@parker.com

UK – United Kingdom, Warwick
Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA – South Africa, Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario
Tel: +1 905 693 3000

US – USA, Cleveland
Tel: +1 216 896 3000

Asia Pacific

AU – Australia, Castle Hill
Tel: +61 (0)2-9634 7777

CN – China, Shanghai
Tel: +86 21 2899 5000

HK – Hong Kong
Tel: +852 2428 8008

IN – India, Gurgaon
Tel: +91 124 459 0600
legris.india@parker.com

JP – Japan, Tokyo
Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul
Tel: +82 2 559 0400

MY – Malaysia, Shah Alam
Tel: +60 3 7849 0800

NZ – New Zealand, Mt Wellington
Tel: +64 9 574 1744

SG – Singapore
Tel: +65 6887 6300

TH – Thailand, Bangkok
Tel: +662 186 7000-99

TW – Taiwan, Taipei
Tel: +886 2 2298 8987

South America

AR – Argentina, Buenos Aires
Tel: +54 3327 44 4129

BR – Brazil, Sao Jose dos Campos
Tel: +55 800 727 5374

CL – Chile, Santiago
Tel: +56 2 623 1216

MX – Mexico, Toluca
Tel: +52 72 2275 4200

BUL/T0051/EN 1015

Fluid System Connectors Division Europe
Transair Business Unit
CS 46911 - 74 rue de Paris
35069 Rennes - France
phone : + 33 (0)2 99 25 55 00
fax : + 33 (0)2 99 25 56 47
transair@parker.com
www.parkertransair.com