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Transair: Advanced Air Pipe Systems

Quick Reference Guide



ENGINEERING YOUR SUCCESS.

Innovative Compressed Air Pipe Systems

Transair is a fast, flexible and easy to modify aluminum pipe system for compressed air applications. Quick connections eliminate the need to thread or solder pipe. The lightweight aluminum pipe is easy to handle and safe to work with on elevated platforms. Transair offers significant savings on installation, maintenance and operating costs, making it the most cost effective and efficient pipe system for compressed air.

Transair's additional benefits include:

- Energy efficient
- Lower installation costs
- Quick connect technology
- Immediate pressurization
- Removable and reusable
- Modular design
- No corrosion
- Leak-free guarantee
- Full bore design
- 1/2" - 6" pipe sizes

The material used to manufacture the pipe and fittings are 100% recyclable. Transair pipe and fittings are guaranteed silicone free.

Certifications and Guarantees:



Suitable fluids

- Compressed air (dry, wet, lubricated)
 - Vacuum
 - Inert gases
- (Please consult us for other fluids)

Maximum working pressure

188 psi from -4°F to +140°F
232 psi from -4°F to +115°F
(*Max. working pressure for 6" is 188 psi)

Temperature range

Working: -4°F to +140°F
Storage: -40°F to +176°F

Vacuum level

98.7 % (29.6" Hg)

Resistance to

- Corrosion
- Mineral compressor oils
- Aggressive environments
- Synthetic compressor oils
- Mechanical shocks
- Compressor oil carry over
- Thermal variations
- Ultraviolet (UV)

Materials

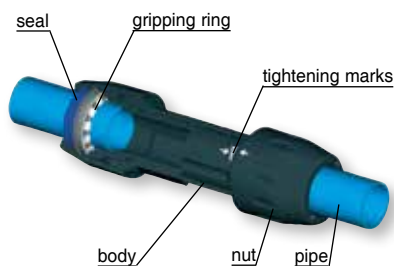
- Fiberglass reinforced polyamide
- Plated brass
- Stainless steel
- Powder-coated aluminum
- Nitrile seals



Transair technology

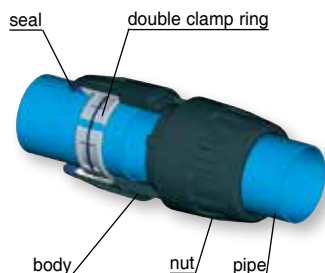
Ø 16.5 (1/2")
Ø 25 (7/8")
Ø 40 (1 1/2")

Pipe-to-pipe and male connectors in Ø 16.5, Ø 25 and Ø 40 can be immediately connected to Transair pipe - 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.



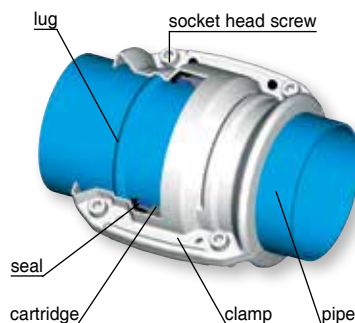
Ø 63 (2 1/2")

Pipe-to-pipe and male connectors in Ø 63 can be quickly connected to Transair aluminum pipe by means of a double clamp ring. This secures the connection between the nut and the pipe - tightening of the nuts secures the final assembly.



Ø 76 (3")
Ø 100 (4")
Ø 168 (6')

Pipe-to-pipe and male connectors in Ø 76 - Ø 168 can be quickly connected to Transair aluminum pipe. Position the pipes to be connected within the Transair cartridge and close / tighten the Transair clamp.



Scan QR tag to see an installation video for each diameter on any mobile device with a QR reader app.



Instructions

1. Before installing Transair, a responsible person should check that the area of installation conforms to regulations designed to prevent the risk of explosion (in particular the risks associated with static electricity in silo zones).

Transair's flexible hose should be fitted at the beginning of the pipe system, in order to counter the vibrations found in any compressed air system. When maintaining or modifying a Transair pipe system, the work must be undertaken only after the compressed air system has been vented.

The installer must use only Transair components and accessories, and in particular, Transair's pipe clips. No other type of pipe mounting method is to be used. The technical characteristics of Transair's components, as expressed in this brochure, must be respected.

2. Once assembled, the operation of a Transair installation is the responsibility of the installer who, prior to use, must complete all necessary tests. The installer must also ensure that the installation has been properly carried out in line with the instructions and that it meets all legal requirements.

3. Care should be taken to protect pipe against mechanical shocks - especially when close to the passage of forklift trucks or where suspended objects are being moved. All excessive rotational movements, which could lead to disconnection, whether on the pipes or the supports, must be avoided. Transair's flexible hose must be used in accordance with the instructions in this brochure.

4. The performance of a Transair system is maintained when the effects of expansion or contraction are properly taken into account.

5. To ensure proper installation, Transair's components are supplied with an assembly guide. The installer must follow with care the precise instructions as described in this guide as well as this brochure.

6. When suspending from a ceiling, Transair's pipe clips should be fixed to a support (U channel, cable tray, threaded rod, etc). This type of support ensures that the clips stay in alignment, which allows the pipe to expand and contract.

7. When using Transair, the following situations must be avoided:

- Installation within a solid mass (concrete, injected foam)
- The hanging of any external equipment to Transair pipe
- The use of Transair as an electric grounding, or to support electrical equipment
- Exposure to chemicals that are incompatible with Transair components.



Pipe	ØOD (mm)	Weight (lbs)	L (ft)	Color
1013A17 04 00	16.5	1.41	10	Blue
1014A17 04	16.5	2.11	15	Blue
1013A25 04 00	25	2.12	10	Blue
1016A25 04 00	25	4.24	20	Blue
1013A40 04 00	40	3.11	10	Blue
1016A40 04 00	40	6.22	20	Blue
1013A63 04	63	6.92	10	Blue
1016A63 04	63	13.84	20	Blue
TA16 L1 04	76.3	20	20	Blue
TA16 L3 04	100	26	20	Blue
TA16 L8 04	168	64.84	20	Blue
1014A17 02	16.5	2.11	15	Green
1016A25 02 00	25	4.24	20	Green
1016A40 02 00	40	6.22	20	Green
1016A63 02	63	13.84	15	Green
TA16 L1 02	76	20	20	Green
TA16 L3 02	100	26	20	Green
1013A17 06 00	16.5	1.41	10	Grey
1016A25 06 00	25	4.24	20	Grey
1016A40 06 00	40	6.22	20	Grey
1016A63 06	63	13.84	20	Grey
TA16 L1 06	76	20	20	Grey
TA16 L3 06	100	26	20	Grey



Flexible hoses	ØOD (in)	L (ft)
1001E25 00 01	7/8	1' 4"
1001E25 00 03	7/8	5'
1001E25 00 04	7/8	6' 7"
1001E40 00 02	1 1/2	3' 3"
1001E40 00 04	1 1/2	6' 7"
1001E40 00 05	1 1/2	9' 10"
1001E63 00 08	2 1/2	4' 7"
1001E63 00 05	2 1/2	9' 10"
1001E63 00 06	2 1/2	13' 1"
FP01 L1 01	3	4' 11"
FP01 L1 02	3	6' 6"
FP01 L3 02	4	6' 6"
FP01 L3 03	4	9' 9"
FX01 L8 02	6	10' 6"

*Anti whip-lash strap is part number 6698 99 03



Elbows	ØOD (mm)	Degrees
6612 25 00	25	45
6612 40 00	40	45
6612 63 00	63	45
RX12 L1 00	76	45
RX12 L3 00	100	45
RA12 L8 00	168	45
6602 17 00	16.5	90
6602 25 00	25	90
6602 40 00	40	90
6602 63 00	63	90
RX02 L1 00	76	90
RX02 L3 00	100	90
RA02 L8 00	168	90



Tees	ØOD1 (mm)	ØOD2 (mm)	Type
6604 17 00	16.5	16.5	equal
6604 25 00	25	25	equal
6604 40 00	40	40	equal
6604 63 00	63	63	equal
RX04 L1 00	76	76	equal
RX04 L3 00	100	100	equal
RA04 L8 00	168	168	equal
6604 63 40	63	40	reduc
RX24 L1 40	76	40	reduc
RX24 L1 63	76	63	reduc
RX24 L3 40	100	40	reduc
RX24 L3 63	100	63	reduc
RX24 L3 L1	100	76	reduc
RA04 L8 L3	168	100	reduc
RA04 L8 L1	168	76	reduc
RA04 L8 63	168	63	reduc
RX20 L1N04*	76	76	thread
RX20 L3N04*	100	100	thread

*1/2" Thread



Unions	ØOD (mm)
6606 17 00	16.5
6606 25 00	25
6676 25 00*	25
6606 40 00	40
6676 40 00*	40
6606 63 00	63
6676 63 00*	63
RR01 L1 00	76
RR01 L3 00	100
RR01 L8 00	168

*Vented



End caps	ØOD (mm)
6625 17 00*	16.5
6625 25 00*	25
6625 40 00*	40
6625 63 00*	63
RX25 L1 00	76
RX25 L3 00	100
RA25 L8 00	168

*Vented



Plug-in reducers	ØOD1 (mm)	ØOD2 (mm)
6666 17 25	25	16.5
6666 25 40	40	25
6666 40 63	63	40
RX64 L1 63	76	63
RX64 L3 63	100	63
RX66 L3 L1	100	76
RA66 L8 L3	168	100
RA66 L8 L1	168	76



Threaded elbows	ØOD (mm)	C (in)	Degrees
6619 25 22	25	1/2	45
6619 25 28	25	3/4	45
6619 25 35	25	1	45
6619 40 35	40	1	45
6619 40 43	40	1 1/4	45
6619 40 50	40	1 1/2	45
6619 40 44	40	2	45
6619 63 44	63	2	45
6609 17 14	16.5	1/4	90
6609 17 22	16.5	1/2	90
6609 25 22	25	1/2	90
6609 25 28	25	3/4	90
6609 25 35	25	1	90
6609 40 35	40	1	90
6609 40 43	40	1 1/4	90
6609 40 50	40	1 1/2	90
6609 40 44	40	2	90
6609 63 41	63	2 1/2	90
6609 63 46	63	3	90

*All NPT



Male threaded connectors	ØOD (mm)	C (in)
6605 17 14	16.5	1/4
6605 17 22	16.5	1/2
6605 25 22	25	1/2
6605 25 28	25	3/4
6605 25 35	25	1
6605 40 35	40	1
6605 40 43	40	1 1/4
6605 40 44	40	2
6605 40 50	40	1 1/2
6605 63 44	63	2
6605 63 41	63	2 1/2
6605 63 46	63	3

* All NPT



Wall brackets	ØOD (mm)	C (in)	Degree	# Ports
6640 17 22	16.5	1/2	45	1
6640 25 22	25	1/2	45	1
6642 22 22*	1/2	1/2	45	1
6689 17 22	16.5	1/2	45	2
6689 25 22	25	1/2	45	2
6691 22 22*	1/2	1/2	45	2
6684 17 22	16.5	1/2	90	2
6684 25 22	25	1/2	90	2
6688 22 22*	1/2	1/2	90	2
6696 25 22	25	1/2		3
6636 28 22*	3/4	1/2		3

* Threaded (All NPT)



Male threaded connector with fixing plate

	ØOD1 (mm)	C (in)
6615 25 28	25	3/4
6615 25 35	25	1
6615 40 43	40	1 1/4
6615 40 50	40	1 1/2



Simple brackets

	ØOD1 (mm)	ØOD2 (mm)
RA69 25 17	25	16.5
RA69 40 25	40	25



Quick assembly brackets

	ØOD1 (mm)	ØOD2 (mm)
6662 25 17	25	16.5
6662 25 00	25	25
6662 40 17	40	16.5
6662 40 25	40	25
6662 63 25	63	25



Wall brackets with ball valve

	ØOD (mm)	C (in)	Degree	# Ports
6679 17 22	16.5	1/2	45	1
6679 25 22	25	1/2	45	1
6694 17 22	16.5	1/2	45	2
6694 25 22	25	1/2	45	2
6675 17 22	16.5	1/2	90	2
6675 25 22	25	1/2	90	2
6638 25 22	25	1/2		3

* All NPT



Simple reducing brackets

	ØOD (mm)	C (in)
RA68 25N04 (F) NPT	25	1/2
RA68 40N04 (F) NPT	40	1/2
RR63 L1N08	76	1
RR63 L3N08	100	1
RR89 L1N08 01 (EPDM seal)	76	1
RR89 L3N08 01 (EPDM seal)	100	1
RR63 L8N12	168	1 1/2
RR63 L8N16	168	2



Quick assembly mini-brackets

	ØOD1 (mm)	C (in)
6663 25 22	25	1/2"
6663 40 22	40	1/2"
6663 63 22	63	1/2"
6663 63 28	63	3/4"
6668 25 22*	25	1/2"
6668 40 22*	40	1/2"
6668 63 22*	63	1/2"
6668 63 28*	63	3/4"

* Quick assembly bracket with pre-assembled ball valve.
All NPT with female thread



Double female valves

	ØOD (mm)
4089 17 00*	16.5
4088 25 14*	25
4099 17 00* (lockable)	16.5
4099 25 00* (lockable)	25
4002 40 00	40
4012 63 00 (lockable)	63
4002 63 00	63

* Vented



Male adaptors

	ØOD (mm)	C (in)
6621 17 22	16.5	1/2
6621 25 22	25	1/2
6621 25 28	25	3/4
6621 25 35	25	1
6621 40 43	40	1 1/4
6621 40 50	40	1 1/2
RR21 L1N20	76	2 1/2
RR21 L1N24	76	3

* All NPT



Male Stud Nut

	ØOD (mm)	C (in)
6611 17 22	16.5	1/2
6611 25 22	25	1/2
6611 25 28	25	3/4
6611 25 35	25	1
6611 40 35	40	1
6611 40 43	40	1 1/4
6611 40 50	40	1 1/2
6611 40 44	40	2
6611 63 44	63	2
6611 63 41	63	2 1/2

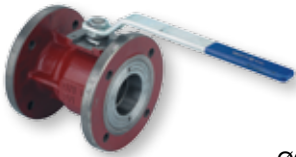
* All NPT



	ØOD (mm)	Ports
6651 25 12 04	25	4
6651 40 12 04	40	4
6653 25 22 06	25	6
6653 40 22 06	40	6



Butterfly valves	ØOD (mm)
VR02 L1 00	76
VR02 L1 01 (EPDM seal)	76
VR02 L3 00	100
VR02 L3 01 (EPDM seal)	100
VR02 L8 00	168



Ball valves	ØOD (mm)
VR01 L1 00	76
VR01 L3 00	100

* Both nitrile seal



Tool case	ØOD (mm)
6698 00 03	16.5 - 63



Tool kit	V
EW01 00 02	14



Drilling tools	ØOD (mm)
6698 02 02	25
6698 02 01	40 - 63
EW09 00 22*	40 - 63
EW09 00 30*	76 - 100
EW09 00 51* (1 1/2")	168
EW09 00 64* (2")	168

* Includes center drill



Pressurized system drilling tool	C (in)
EA98 06 00	63

* Used only with the Pressurized System Brackets



Fixing clips	ØOD (mm)
6697 17 01	16.5
6697 25 01	25
6697 40 01	40
6697 63 01	63
ER01 L1 00*	76
EX01 L1 L3	76
ER01 L3 00*	100
EX01 L3 00	100
ER01 L8 00*	168

* Rubber insulated



Pressurized system brackets	ØOD (mm)
EA98 06 01	25
EA98 06 02	40
EA98 06 03	63



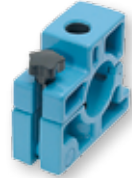
Pipe cutters	ØOD (mm)
6698 03 01	16.5 - 63
EW08 00 01	63 - 100
EW08 00 03	100 - 168



Jaws for portable tools	ØOD (mm)
EW02 L1 00	76
EW02 L3 00	100
EW02 L8 00	168



Drilling jig	ØOD (mm)
6698 01 01	25 - 40



Drilling jig	ØOD (mm)
6698 01 02	63



Deburring tool	ØOD (mm)
6698 04 02	16.5 - 100



Chamfer tool	ØOD (mm)
6698 04 01	16.5 - 63



Spanners	ØOD (mm)
6698 05 03	63



Marking tool	ØOD (mm)
6698 04 03	16.5 - 40



Threaded rod adapter	C (in)
0169 00 05 00	1/4



Battery for portable tool	V
EW03 00 01	14



Spacer	ØOD (mm)
6697 00 03	16.5 - 63



Blow gun	C (in)
0659 00 14	1/4



U-Channel	L (ft)
6699 01 01	6'6"



Flanges	ØOD (mm)
RX30 L1 00	76
RX31 L1 00*	76
RX30 L3 00	100
RX31 L3 00*	100
RA31 L8 00*	168

* ANSI



Flange gaskets	ØOD (mm)
EW05 L1 00	76
EW05 L3 00	100
EW05 L8 00	168



Flange bolts	C (in)
EW06 00 01	5/8
EW06 00 05	3/4



Hose reels	L (ft)
6698 11 11	25
6698 11 12	50

* both 3/8" ID



U-Channel fixing brackets	H (in)
6699 01 02	106

Composite automatic safety couplers



Male NPT	C (in)	Style	Body size (in)
CP05 U1N02	1/4	ISO B	1/4
CP05 U1N03	3/8	ISO B	1/4
CP05 U1N04	1/2	ISO B	1/4
CP05 U2N02	1/4	ISO B	3/8
CP05 U2N03	3/8	ISO B	3/8
CP05 U2N04	1/2	ISO B	3/8
CP05 A1N02	1/4	ARO	1/4
CP05 A1N03	3/8	ARO	1/4
CP05 A1N04	1/2	ARO	1/4



Female NPT	C (in)	Style	Body size (in)
CP15 U1N02	1/4	ISO B	1/4
CP15 U1N03	3/8	ISO B	1/4
CP15 U1N04	1/2	ISO B	1/4
CP15 U2N02	1/4	ISO B	3/8
CP15 U2N03	3/8	ISO B	3/8
CP15 U2N04	1/2	ISO B	3/8
CP15 A1N02	1/4	ARO	1/4
CP15 A1N03	3/8	ARO	1/4
CP15 A1N04	1/2	ARO	1/4



Coupler with hosetail	OD (mm)	Style	Body size (in)
CP21 U1 06	6	ISO B	1/4
CP21 U1 08	8	ISO B	1/4
CP21 U1 10	10	ISO B	1/4
CP21 U2 08	8	ISO B	3/8
CP21 U2 10	10	ISO B	3/8
CP21 U2 13	13	ISO B	3/8
CP21 A1 06	6	ARO	1/4
CP21 A1 08	8	ARO	1/4
CP21 A1 10	13	ARO	1/4



Male plug NPT	C (in)	Style	Body size (in)
9084 23 14	1/4	ISO B	1/4
9084 23 18	3/8	ISO B	1/4
9084 30 14	1/4	ISO B	3/8
9084 30 18	3/8	ISO B	3/8
9084 22 14	1/4	ARO	1/4
9084 22 18	3/8	ARO	1/4



Female plug NPT	C (in)	Style	Body size (in)
9083 23 14	1/4	ISO B	1/4
9083 23 18	3/8	ISO B	1/4
9083 30 14	1/4	ISO B	3/8
9083 30 18	3/8	ISO B	3/8
9083 22 14	1/4	ARO	1/4
9083 22 18	3/8	ARO	1/4



Plug with hosetail	OD (mm)	Style	Body size (in)
9085 23 56	6	ISO B	1/4
9085 23 08	8	ISO B	1/4
9085 23 60	10	ISO B	1/4
9085 30 08	6	ISO B	3/8
9085 30 60	8	ISO B	3/8
9085 30 62	10	ISO B	3/8

Transair pipe sizes:

16.5 mm (1/2")
25 mm (7/8")
40 mm (1 1/2")
63 mm (2 1/2")
76.2 mm (3")
101.6 mm (4")
168.3 mm (6")



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Worldwide Availability:

Parker operates Fluid Connectors manufacturing locations and sales offices throughout North America, South America, Europe and Asia-Pacific.

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