13

Ring Main System

John Guest Compressed Air Fittings, Compressed Air Pipe and Accessories, Speedfit[®] Air Products



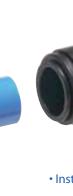
Fast Track Ring Main System

The easy to use push fit system for Compressed Air

The John Guest range of push-in fittings and pipe provide the ideal connection from compressor receiver to air line service components through to complete ring main and take off points. A compressed air system can be installed quickly and easily, compared with other installation methods, time savings of at least 50% are easily achievable.

No need to prepare threaded pipe or solvent, all the connections can be made with a simple push-in action. The system is then immediately ready for use. Complex systems can be assembled much more rapidly than with traditional methods and because fittings are easy to disconnect, systems can be altered or extended with much reduced production down time.

The fittings are produced in either a tough engineering plastics material or in brass in sizes 12 mm to 28 mm. They are intended for use with John Guest nylon pipe but can also be used with copper or aluminium pipe.



- Installation time reduced by at least 50%
- Safe, secure, leakproof
- · Easy to alter or extend system
- Lightweight and easy to handle
- No corrosion, reduced maintenance



1. Cut pipe square



2. Push pipe into fitting



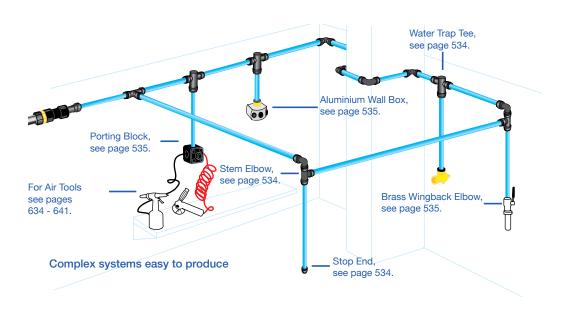
3. Easy to use in confined spaces



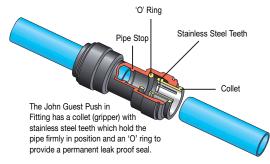
4. Complex systems easy to achieve



5. System complete in 2 days



Easy to Make a Connection



Three Easy Steps

Fittings and pipe should be kept clean and undamaged before use.

Cut the pipe square. We recommend the use of the JG Pipe Cutter.



DO NOT use a hacksaw. To avoid damage to the 'O' ring remove burrs and sharp edges.



Push up to pipe stop.

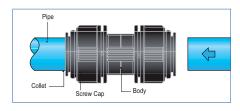


Pull to check secure. Test the system before use.





28 mm Fittings

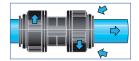


28 mm fittings also have a collet with stainless steel teeth and an 'O' ring.

After inserting the pipe, a screw cap is turned approx. 1/4 turn. This locks the collet in place and reduces lateral and sideways movement of the pipe.



To disconnect, turn the screw cap 1/4 turn, push in the collet and remove the pipe. The fitting and pipe can be reused.



Nylon, Copper & Aluminium Pipe

Whilst we recommend the use of John Guest Rigid Nylon Pipe, John Guest Fittings can also be used with copper or aluminium pipe.



Fast Track Ring Main System

Provides the ideal connection from compressor receiver to air line service components through to complete ring main and take off points. Installs quickly and easily — saves over 50% compared to identical traditional installations. Corrosion-free.

Applications:

- · Aircraft & car manufacturing plants · Clean rooms · Laboratories · Pharmaceutical manufacturing
- Food manufacturing

Materials

Bodies: Black acetal copolymer or brass

O-Rings: Nitrile rubber



Rating: 10 bar (145 psi) (+23°C); 7 bar (100 psi) (+70°C)

The above ratings are for air. For use with other fluids or at other temperatures and pressures, please contact the Sales Team.

Compressed Air Fittings

Male Connector Male Thread BSPP



PGC: 474	OD (mm)	BSPP	Price
PM011213E	12	3/8	£2.53
PM011214E	12	1/2	£2.80
PM011514E	15	1/2	£3.07
PM011516E	15	3/4	£3.73
PM011814E	18	1/2	£3.43
PM012216F	22	3/4	£3.60

Equal Elbow

PGC: 474	OD (mm)	Price	
PM0312E	12	£2.87	
PM0315E	15	£3.23	
PM0318E	18	£4.17	
PM0322E	22	£5.04	
PM0328F	28	£9.09	





PGC: 474	OD (mm)	Price
PM0212E	12	£3.09
PM0215E	15	£3.45
PM0218E	18	£4.44
PM0222E	22	£5.33
PM0228E	28	£11.58

Reducing Branch Tee



PGC: 474	OD 1 (mm)	OD 2 (mm)	Price
PM3018AE	18	15	£5.51
PM3022AE	22	15	£5.51

Male Stem Adaptor Male Thread BSPP



PGC: 474	OD (mm)	BSPP	Price
PM051213E	12	3/8	£1.15
PM051214E	12	1/2	£1.41
PM051513E	15	3/8	£1.44
PM051514E	15	1/2	£1.84
PM051814E	18	1/2	£2.04
PM052214E	22	1/2	£2.22
PM052216E	22	3/4	£2.62

Reducer



PGC: 474	OD 1 (mm)	OD 2 (mm)	Price
PM061510E	15	10	£2.89
PM062215E	22	15	£3.66
PM062218E	22	18	£3.66
PM062815E	28	15	£5.75

Stem Elbow



PGC: 474	OD (mm)	Price
PM221212E	12	£2.89
PM221515E	15	£3.24
PM221818E	18	£4.21
PM22222E	22	£4.21

Water Trap Tee



 The easy alternative to the need to install a "Swan Neck"

PGC: 474	OD (mm)	Price	
PMTT22E	22	£9.51	



PGC: 474	OD (mm)	Price
PMUB15E	15	£4.46

Stop End

PGC: 4/4	(mm)	Price
PM4612E	12	£2.18
PM4615E	15	£2.30
PM4622E	22	£2.78

DCC: 474

18

22

28

£3 04

£3 65

£7.57

PM0418F

PM0422F

PM0428F

£411.17

JG John Guest®









- Both products have 3 x 1/2" BSPP female
- Supplied with blanking plugs

PGC: 474	Inlet (")	Price
JGWALLBOX1/2	1/2	£28.18
JGWALLBOX3/4	3/4	£28.18

Brass Wingback Elbow OD (mm) RSPP PGC: 474 Price PM15WB £18.06 PM22WB £21.19



MM012808N	28	1	£21.99
Male Bras	s Stem	Adaptor	
Male Thread E			
	_		
		Illum (A	

3/4

£11.25

22

MM012206N

PGC: 474	OD (mm)	BSPT	Thread	Price
MM051504N	15	1/2	BSPT	£6.93
MM052206N	22	3/4	BSPT	£10.58
MM052226N	22	3/4	NPT	£13.80
MM052228N	22	1	NPT	£14.77
MM052818N	28	1	BSPP	£18.73
MM052828N	28	1	NPT	£16.56



22

3/4

£10.58

Water Trap Convertor	Tee	
Converts a 28	3 mm tee to a wa	iter trap tee
• Converts a 28	3 mm tee to a wa	iter trap tee

Compressed Air Pipe & Accessories

MM502216N



PGC: 474	OD (mm)	Price
PM0815E	15	£1.21
PM0818E	18	£1.34
PM0822E	22	£1.43
PM0828E	28	£1.88



PGC: 474	OD (mm)	Price
15RA	15	£0.45
22RA	22	£0.68
28RA	28	£0.84



22

Black

£0.39

PM1922E



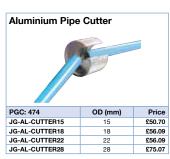


PA-RM2218-3M



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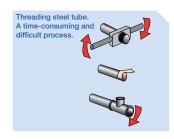
PGC: 474	OD (mm)	Price per Pack
AL-RM1513-3M	15	£461.39
AL-RM1816-3M	18	£611.50
AL-RM2220-3M	22	£689.74
AL-RM2826-3M	28	£555.29

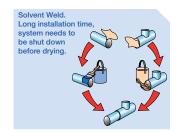




John Guest[®]

Speedfit Air Products







Unique Features

Stem Elbow

Designed to simplify pipe connections in restricted spaces, the Stem Elbow gives an instant swivel fitting so a pipe can be orientated in any direction







- Can be used with an elbow to make 'U' turn connection
- · Can be used with a tee

Please note a collet cover cannot be used on a Speedfit end assembled with the stem of a 22 mm Stem Elbow.

Water Trap Tee

The new Water Trap Tee from John Guest solves the ongoing problem of moisture in a compressed air system and provides the easy alternative to the need to install "Swan Necks".



The ingenious inside arrangement of the fitting allows air to flow, with minimum head loss, from the main to take-off point without allowing water to follow. The moisture is retained in the line to be drawn off at some suitable location.



It is of vital importance for the correct function of the Water Trap Tee that the air distribution system be nearly horizontal and that the outlet port be facing downwards.

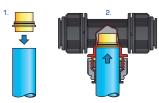
Water Trap Tee Convertor

The Water Trap Tee Convertor is a simple convenient way of converting a standard John Guest 28 mm Tee to a Water Trap Tee. This will stop condensing water entering the vertical take off spur.

The air supply needs to be installed with the correct fall and water drain points regularly vented.

To Assemble

- Use either John Guest 28 mm Nylon Pipe or 28 mm copper pipe
- The pipe to be cut square and be free of burrs
- · Press the shorter spigot into the pipe.
- The fit on copper pipe will be loose, this will not affect the function
- Push the pipe and convertor up to the pipe stop of the centre leg of the tee
- Turn the screw cap approximately 1/4 turn to lock the pipe in position.



End Stop

The End Stop can be used to provide a permanent connection or a temporary shut off. Because it is easy to disconnect the fitting from the pipe, the End Stop can be put in place to be removed at a later date to allow a system to be extended or modified.

