

Section 14

Airline Ring Main & Super Speedfit

Airline Ring Main

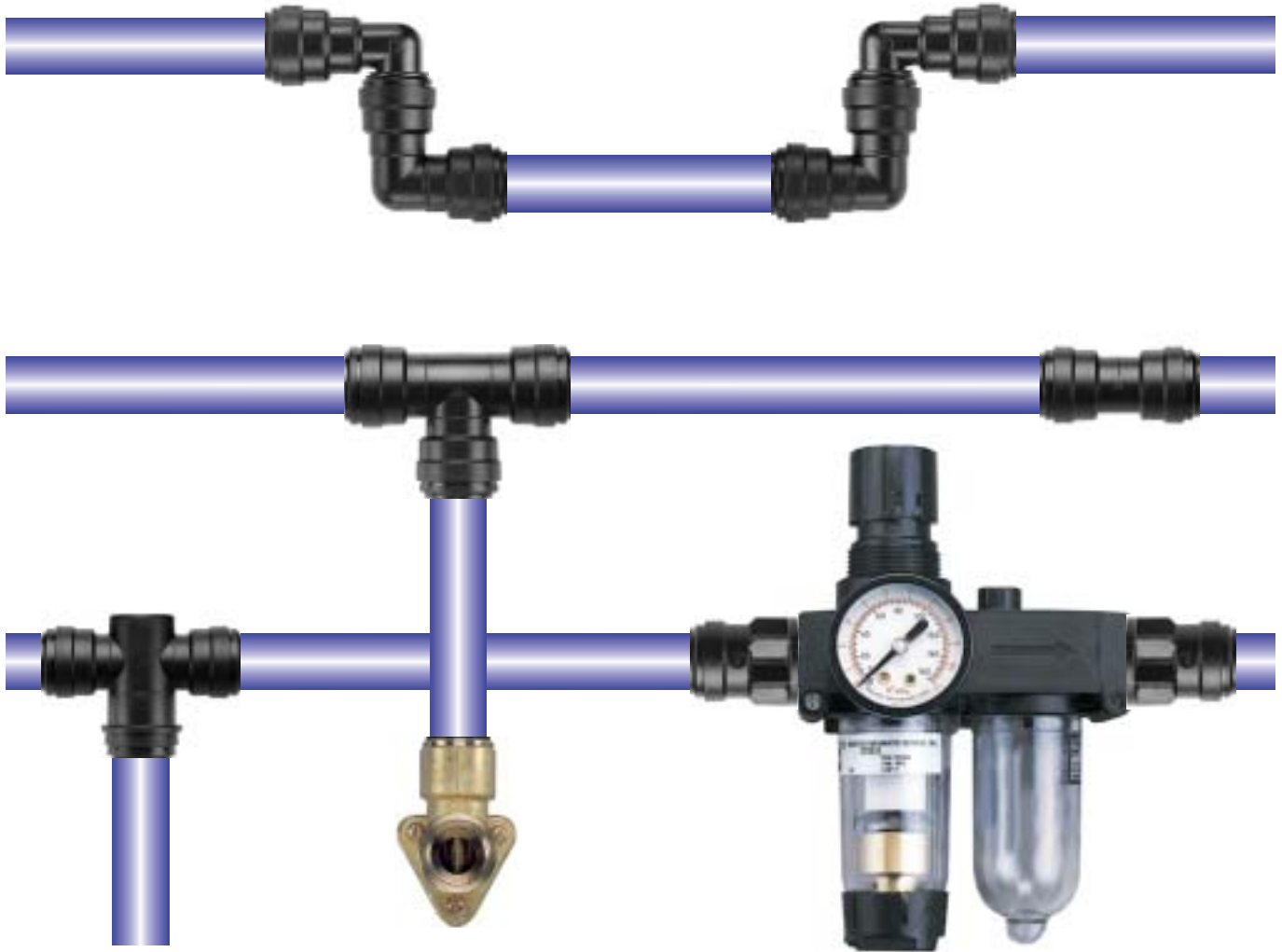
Super Speedfit **NEW**

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Section 14



BENEFITS

- Savings in excess of 50% compared to identical traditional installations
- Cleaner and Simpler to use
- The 22mm & 15mm versions are alternatives to the commonly used 1" & 1/2" ID Galvanised equivalents
- Current systems can be altered or extended with the minimum of production down-time
- Maintenance staff can modify their 'In-house' systems eliminating the need to bring in outside contractors
- W.R.C and F.D.A. approved
- Suitable for use on Vacuum and 'Potable' Cold Water
- Can be used with most Soft metal and Plastic tubing
- Corrosion free

EASY TO USE PUSH-IN CONNECTORS FOR AIR LINE RING MAIN

The John Guest range of push-in fittings provide the ideal connection from compressor receiver to air line service components through to complete ring main and take off points. Using the John Guest system a compressed air ring main can be installed quickly and easily, considerably reducing the need for specialist staff and providing much reduced production down time.

No need to prepare threaded pipe or apply solvent, all the connections can be made with a simple push-in action. The system is then immediately ready for use. Because the John Guest system is so easy to disconnect, alterations and extensions can be achieved with a minimum of production shutdown.

TECHNICAL SPECIFICATIONS

TUBE TYPES

John Guest fittings are suitable for use with a wide range of plastic and soft metal tubing including UPVC, ABS, Polyethylene, Nylon, Mild steel and Copper to the tolerances set out below. Soft plastic tube, such as nylon to have a minimum wall thickness of 1.5 mm. The tube to have good quality surface and be damage free.

MATERIAL SPECIFICATIONS

Bodies : acetal copolymer. **O-Rings** : nitrile rubber. **Collets** : acetal copolymer with stainless steel teeth.

TUBE TOLERANCES

The Parkair fittings are intended for tubes with outside diameters to the following tolerances.

Size 12 mm to 28 mm OD
Tolerance +0.05 mm to -0.10 mm OD

WORKING PRESSURE

Parkair fittings are suitable for the following pressures for air.

Temperature	Pressure
+23°C	10 bar
+70°C	7 bar

For other fluids and pressures please consult distributor.



Easy to use push-in system

WORKING TEMPERATURE

-20°C to +70°C for use with air. For below 0°C please consult distributor.

TYPICAL APPLICATIONS

- Aircraft and car manufacturing plants
- Racing car preparation sites
- 'Clean' rooms
- Laboratories
- Horticulture watering systems
- Agriculture
- Recreational vehicles
- Yacht / boat water supplies
- Pharmaceutical manufacturing
- Food manufacturing
- Etc.

INSTALLATION HAS NEVER BEEN EASIER



CUT PIPE SQUARE

Cut the pipe square. It is essential that the outside diameter be free of score marks and that burrs and sharp edges be removed before inserting into fitting.



PUSH UP TO PIPE STOP

Push the pipe into the fitting, to the pipe stop. The collet (gripper) has stainless steel teeth which hold the tube firmly in position whilst the O-ring provides a permanent leak proof seal.



PULL TO CHECK SECURE

Pull on the pipe to check it is secure. It is good practice to test the system prior to leaving site and/or before use.

DISCONNECTING



PUSH IN COLLET AND REMOVE PIPE

To disconnect ensure the system is depressurised before removing fitting. Push in collet squarely against face of fitting. With the collet held in this position, the pipe can be removed. The fitting can then be re-used.

PLASTIC WATER TRAP TEE AND TUBING

The Water Trap Tee solves the on-going problem of moisture in a Ring Main 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.

Installation

It is of vital importance for the correct function of the water trap tee that the air ring main within which the tee is installed is near horizontal and that the outlet port faces vertically downwards. Markings to indicate correct orientation have been moulded onto the body to assist installation.



WATER TRAP TEE		
PART NO.	TUBE OD	PRICE
PMTT22E	22 mm	£ 5.41

The Water Trap Tee Convertor is a simple and convenient way of converting a standard 28 mm Tee, Part No. PM0228E, to a Water Trap Tee.

When fitted, it will stop condensed water within the Air Ring Main System from entering the vertical take off spurs.

It is important that the Ring Main has been installed with the correct fall and water drain points are regularly vented.

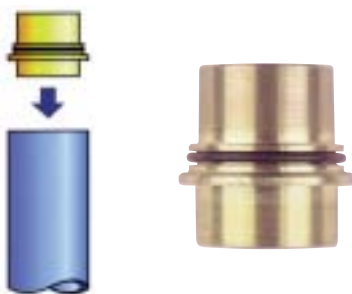
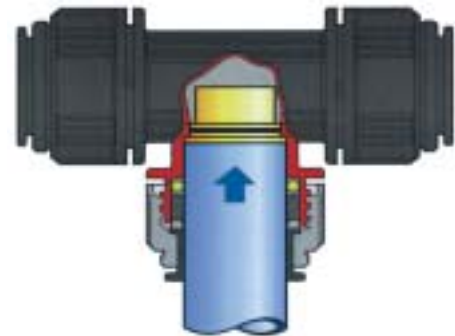
To Assemble

Use either 28 mm Nylon Pipe or standard 28 mm copper tube. The pipe should be cut squarely and be free of burrs.

The shorter spigot should be pressed into the pipe. When using copper pipe the fit will be loose, this will not affect the function.

The Pipe and Convertor should now be firmly inserted into the centre port of the tee. Full insertion is required to correctly locate the convertor and provide a water tight seal.

By turning the screw cap by approximately 1/4 turn (2 clicks can be heard) the collet is locked in place and further compression of the 'O' ring on the pipe is achieved.



WATER TRAP TEE CONVERTOR		
PART NO.	TUBE OD	PRICE
WTC28	28 mm	£ 3.01

PLASTIC FITTINGS



STRAIGHT ADAPTOR			
PART NO.	TUBE OD	THREAD BSP	PRICE
PM011213E	12 mm	3/8"	£ 1.41
PM011214E	12 mm	1/2"	£ 1.55
PM011514E	15 mm	1/2"	£ 1.74
PM011814E	18 mm	1/2"	£ 1.85
PM012216E	22 mm	3/4"	£ 1.98



STEM ADAPTOR			
PART NO.	TUBE OD	THREAD BSP	PRICE
PM051213E	12 mm	3/8"	£ 0.58
PM051214E	12 mm	1/2"	£ 0.79
PM051513E	15 mm	3/8"	£ 0.79
PM051514E	15 mm	1/2"	£ 1.01
PM051814E	18 mm	1/2"	£ 1.12
PM052214E	22 mm	1/2"	£ 1.22
PM052216E	22 mm	3/4"	£ 1.44

Converts Super Speedfit end to male thread



STRAIGHT CONNECTOR			PRICE
PART NO.	TUBE OD		
PM0412E	12 mm		£ 1.22
PM0415E	15 mm		£ 1.34
PM0418E	18 mm		£ 1.65
PM0422E	22 mm		£ 2.01
PM0428E	28 mm		£ 4.10



REDUCER			
PART NO.	STEM OD	TUBE OD	PRICE
PM061512E	15 mm	12 mm	£ 1.69
PM061815E	18 mm	15 mm	£ 2.01
PM062215E	22 mm	15 mm	£ 2.01
PM062218E	22 mm	18 mm	£ 2.01
PM062822E	28 mm	22 mm	£ 3.75



EQUAL ELBOW			PRICE
PART NO.	TUBE OD		
PM0312E	12 mm		£ 1.60
PM0315E	15 mm		£ 1.85
PM0318E	18 mm		£ 2.28
PM0322E	22 mm		£ 2.76
PM0328E	28 mm		£ 4.94



STEM ELBOW			
PART NO.	TUBE OD	STEM OD	PRICE
PM221212E	12 mm	12 mm	£ 1.65
PM221515E	15 mm	15 mm	£ 1.85
PM221818E	18 mm	18 mm	£ 2.28
PM222222E	22 mm	22 mm	£ 2.76

PLASTIC FITTINGS


EQUAL TEE		
PART NO.	TUBE OD	PRICE
PM0212E	12 mm	£ 1.72
PM0215E	15 mm	£ 1.94
PM0218E	18 mm	£ 2.43
PM0222E	22 mm	£ 2.92
PM0228E	28 mm	£ 6.30



REDUCING TEE			
PART NO.	TUBE OD ENDS	TUBE OD BRANCH	PRICE
PM0318AE	18 mm	15 mm	£ 3.13
PM3022AE	22 mm	15 mm	£ 3.13



PORTING BLOCK		
PART NO.		PRICE
JG-L-WSK	5 x 1/2" CONNECTIONS	£ 7.73

BRASS FITTINGS


BRASS WINGBACK ELBOW			
PART NO.	TUBE OD	THREAD BSP	PRICE
PM15WB	15 mm	1/2"	£ 8.55
PM22WB	22 mm	3/4"	£ 9.78



BRASS STRAIGHT ADAPTOR			
PART NO.	TUBE OD	THREAD BSP	PRICE
MM011504N	15 mm	1/2"	£ 2.14
MM012206N	22 mm	3/4"	£ 3.48



MALE BRASS STEM ADAPTOR			
PART NO.	TUBE OD	THREAD BSP	PRICE
MM051504N	15 mm	1/2"	£ 1.82
MM052206N	22 mm	3/4"	£ 3.08
MM052818N	28 mm	1"	£ 6.21
Converts Super Speedfit end to male thread			



FEMALE BRASS STEM ADAPTOR			
PART NO.	TUBE OD	THREAD BSP	PRICE
MM501514N	15 mm	1/2"	£ 1.82
MM502216N	22 mm	3/4"	£ 3.08
Converts Super Speedfit to female thread			

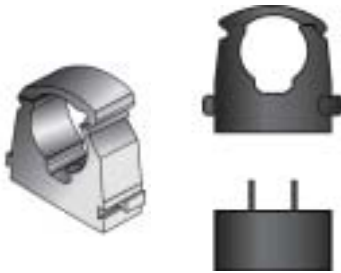
ACCESSORIES



PLUG			
PART NO.	TUBE OD	COLOUR	PRICE
PM0812R	12 mm	RED	£ 0.54
PM0815E	15 mm	BLACK	£ 0.64
PM0818E	18 mm	BLACK	£ 0.69
PM0822E	22 mm	BLACK	£ 0.76
PM0828E	28 mm	BLACK	£ 0.96



END STOP		
PART NO.		PRICE
PM4615E	END STOP	£ 1.54



PIPE CLIP		
PART NO.	TUBE OD	PRICE
PM15TPC	15 mm	£ 0.13
PM22TPC	22 mm	£ 0.16
PM28TPC	28 mm	£ 0.21
PMPCS	PIPE CLIP SPACERS	£ 0.12



PIPE CUTTER		
PART NO.		PRICE
JGTS	PIPE CUTTER	£16.54
For up to and including 22 mm pipe		



HEAVY DUTY PIPE CUTTER		
PART NO.		PRICE
HDC	PIPE CUTTER	£32.96
BLADE-HDC	BLADE	£12.36
For up to and including 28 mm pipe		



COLLET COVERS			
PART NO.	TUBE OD	COLOUR	PRICE
PM1912E	12 mm	BLACK	£ 0.12
PM1915E	15 mm	BLACK	£ 0.16
PM1918E	18 mm	BLACK	£ 0.16
PM1922E	22 mm	BLACK	£ 0.20

ACCESSORIES



PARKAIR BLUE SEMI RIGID NYLON PIPE				
PART NO.	TUBE OD	TUBE ID	LENGTH	PRICE PER 3MTRS
PMB12X9	12 mm	9 mm	3 mtrs	£ 2.90
PMB15X12	15 mm	12 mm	3 mtrs	£ 4.95
PMB18X14	18 mm	14 mm	3 mtrs	£ 8.06
PMB22X19	22 mm	18 mm	3 mtrs	£10.20
PMB28X23	28 mm	23 mm	3 mtrs	£16.20



JOHN GUEST BLUE RIGID NYLON PIPE				
PART NO.	TUBE OD	TUBE ID	LENGTH	PRICE PER 3MTRS
PARM1209	12 mm	9 mm	3 mtrs	£ 4.18
PARM1212	15 mm	12 mm	3 mtrs	£ 5.28
PARM1814	18 mm	14 mm	3 mtrs	£ 8.47
PARM2218	22 mm	18 mm	3 mtrs	£10.89
PARM2823	28 mm	23 mm	3 mtrs	£17.05



POWDER COATED COPPER PIPE			
PART NO.	TUBE OD	LENGTH	PRICE PER 3MTRS
PMR15	15 mm	3 mtrs	£15.75
PMR22	22 mm	3 mtrs	£25.35
PMR28	28 mm	3 mtrs	£32.55
PMRTUK	TOUCH UP KIT		PER CAN £36.25

This rigid metal pipe is especially suitable for use with Airline Ring Main systems which employ push-in fittings.

Constructed from copper (BS 1057 R 250) and coated in a polyester blue powder finish (to meet BS Colour code for Air pipe) as standard, it is supplied as 3 metre lengths.

Specifications (when used with Push-In Fittings)

Working Temperature -20°C to +70°C
 Working Pressure 10 bar @+23°C 7 bar @+70°C

All sizes of metal pipe are full vacuum compatible.

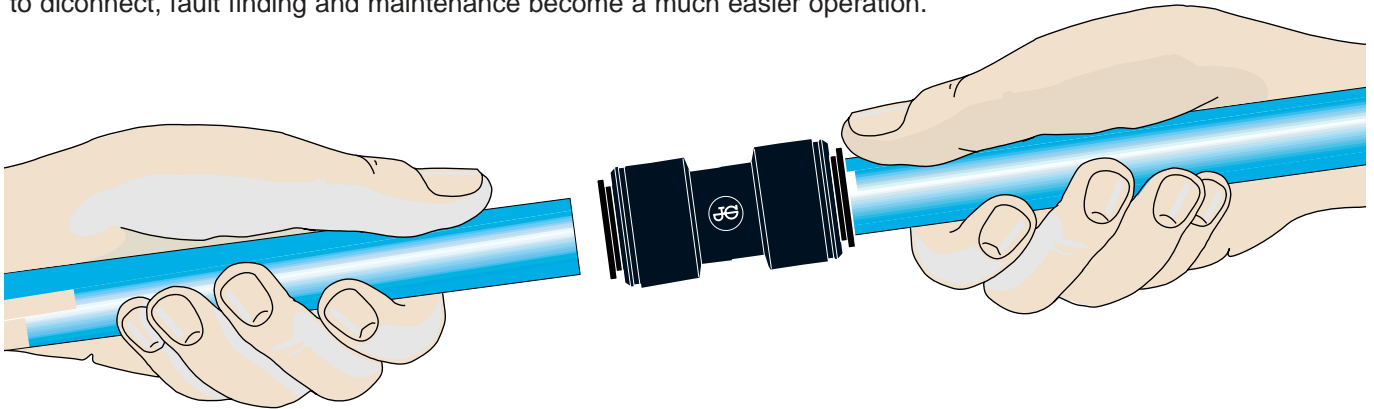
These products are designed for use with air. For other applications please contact your distributor.

The fittings are not recommended for use with explosive gases, petroleum spirits and other fuels or for central heating systems.

INSTALLATION GUIDE - CODE OF PRACTICE

When installing a compressed air main it is recommended that reference be made to "Approved Code of Practice - Safety of Pressure Systems", available from HMSO in the UK. For installations in other countries, the appropriate Codes of Practice should apply.

Super Speedfit fittings have been specially designed for miniature pneumatic applications. They provide a fast and secure way of connecting tubes and offer considerable advantages over conventional fittings. Complex tubing systems can be assembled more rapidly than with traditional methods and because Super Speedfit fittings are easy to disconnect, fault finding and maintenance become a much easier operation.



TECHNICAL SPECIFICATIONS

MATERIAL SPECIFICATIONS

Bodies : acetal copolymer. **O-Rings** : nitrile rubber. **Collets** : acetal copolymer with stainless steel teeth.

TUBE TOLERANCES

The John Guest fittings are intended for tubes with outside diameters to the following tolerances.

Size:	4mm - 5mm	6mm - 12mm
Tolerance:	+0.05 mm to -0.07 mm	+0.05 mm to -0.10 mm

Size:	5/32" - 3/16"	1/4" - 1/2"
Tolerance:	+0.001 mm to -0.003 mm	+0.001 mm to -0.004 mm

WORKING PRESSURE

John Guest fittings are suitable for the following pressures for air.

<u>Temperature</u>	<u>Pressure</u>	<u>Pressure</u>
	4mm - 8mm	10mm - 22mm
	5/32" - 5/16"	3/8" - 1/2"
Air: -20°C	16 Bar	10 Bar
Portable Liquid & Air: +1°C	16 Bar	10 Bar
+23°C	16 Bar	10 Bar
+70°C	10 Bar	7 Bar

Also suitable for vacuum

For other fluids and pressures please consult distributor.



FOOD QUALITY

All fittings in the John Guest Section with this symbol are produced in Food and Drug Administration (FDA) approved materials and are therefore recommended for food quality applications.



THE PUSH-FIT SOLUTION FOR PLUMBING & HEATING SYSTEMS ARE ALSO AVAILABLE CONTACT YOUR DISTRIBUTOR FOR DETAILS



SuperThread fitting with brass bodies incorporating the SuperThread can be used with BSP (Parallel), BSPT (Taper), NPTF, PF and PT metal thread forms.

STRAIGHT ADAPTOR - SuperThread			
PART NO.	TUBE OD	THREAD	PRICE
RM010411	4 mm	1/8"	£ 0.65
RM010412	4 mm	1/4"	£ 0.83
RM010511	5 mm	1/8"	£ 0.74
RM010512	5 mm	1/4"	£ 0.95
RM010611	6 mm	1/8"	£ 0.78
RM010612	6 mm	1/4"	£ 0.78
RM010811	8 mm	1/8"	£ 0.83
RM010812	8 mm	1/4"	£ 0.83
RM010813	8 mm	3/8"	£ 1.18
RM011012	10 mm	1/4"	£ 1.38
RM011013	10 mm	3/8"	£ 1.58
RM011014	10 mm	1/2"	£ 1.98
RM011213	12 mm	3/8"	£ 1.98
RM011214	12 mm	1/2"	£ 2.09



STRAIGHT ADAPTOR - Metric Thread			
PART NO.	TUBE OD	THREAD	PRICE
RM0104M5	4 mm	M5	£ 0.70
RM0105M5	5 mm	M5	£ 0.72
RM0106M5	6 mm	M5	£ 0.80



STRAIGHT ADAPTOR - Metric Thread			
PART NO.	TUBE OD	THREAD BSP	PRICE
PM010411E	4 mm	1/8"	£ 0.48
PM010412E	4 mm	1/4"	£ 0.65
PM010511E	5 mm	1/8"	£ 0.51
PM010512E	5 mm	1/4"	£ 0.66
PM010611E	6 mm	1/8"	£ 0.58
PM010612E	6 mm	1/4"	£ 0.65
PM010811E	8 mm	1/8"	£ 0.62
PM010812E	8 mm	1/4"	£ 0.65
PM010813E	8 mm	3/8"	£ 0.85
PM011012E	10 mm	1/4"	£ 1.04
PM011013E	10 mm	3/8"	£ 1.12
PM011014E	10 mm	1/2"	£ 1.44
PM011213E	12 mm	3/8"	£ 1.42
PM011214E	12 mm	1/2"	£ 1.56



STRAIGHT ADAPTOR - BSPT Thread			
PART NO.	TUBE OD	THREAD BSPT	PRICE
PM010401E	4 mm	1/8"	£ 0.45
PM010402E	4 mm	1/4"	£ 0.62
PM010502E	5 mm	1/4"	£ 0.62
PM010601E	6 mm	1/8"	£ 0.55
PM010602E	6 mm	1/4"	£ 0.62
PM010802E	8 mm	3/8"	£ 0.62
PM010803E	8 mm	1/4"	£ 0.81
PM011002E	10 mm	3/8"	£ 0.98
PM011003E	10 mm	1/2"	£ 1.06
PM011203E	12 mm	3/8"	£ 1.35
PM011204E	12 mm	1/2"	£ 1.48



EQUAL TEE		
PART NO.	TUBE OD	PRICE
PM0204E	4 mm	£ 1.01
PM0205E	5 mm	£ 1.06
PM0206E	6 mm	£ 1.10
PM0208E	8 mm	£ 1.19
PM0210E	10 mm	£ 1.43
PM0212E	12 mm	£ 1.70



SWIVEL TEE - Centre Leg SuperThread			
PART NO.	TUBE OD	THREAD	PRICE
RM100611	6 mm	1/8"	£ 1.73
RM100612	6 mm	1/4"	£ 1.85



SWIVEL TEE - Centre Leg BSP Thread

PART NO.	TUBE OD	THREAD BSP	PRICE
PM100411E	4 mm	1/8"	£ 1.33
PM100412E	4 mm	1/4"	£ 1.36
PM100511E	5 mm	1/8"	£ 1.37
PM100512E	5 mm	1/4"	£ 1.41
PM100611E	6 mm	1/8"	£ 1.35
PM100612E	6 mm	1/4"	£ 1.40
PM100811E	8 mm	1/8"	£ 1.52
PM100812E	8 mm	1/4"	£ 1.53
PM100813E	8 mm	3/8"	£ 1.77
PM101012E	10 mm	1/4"	£ 1.89
PM101013E	10 mm	3/8"	£ 2.04
PM101014E	10 mm	1/2"	£ 2.35
PM101213E	12 mm	3/8"	£ 2.42
PM101214E	12 mm	1/2"	£ 2.66



SWIVEL TEE - Centre Leg BSPT Thread

PART NO.	TUBE OD	THREAD BSPT	PRICE
PM100401E	4 mm	1/8"	£ 1.29
PM100402E	4 mm	1/4"	£ 1.33
PM100501E	5 mm	1/8"	£ 1.36
PM100502E	5 mm	1/4"	£ 1.37
PM100601E	6 mm	1/8"	£ 1.36
PM100602E	6 mm	1/4"	£ 1.37
PM100801E	8 mm	1/8"	£ 1.48
PM100802E	8 mm	1/4"	£ 1.52
PM100803E	8 mm	3/8"	£ 1.72
PM101002E	10 mm	1/4"	£ 1.86
PM101003E	10 mm	3/8"	£ 1.97
PM101004E	10 mm	1/2"	£ 2.25
PM101203E	12 mm	3/8"	£ 2.35
PM101204E	12 mm	1/2"	£ 2.61



SWIVEL ELBOW - Metric Thread

PART NO.	TUBE OD	THREAD	PRICE
RM0904M5	4 mm	M5	£ 1.36
RM0905M5	5 mm	M5	£ 1.41
RM0906M5	6 mm	M5	£ 1.51



SWIVEL ELBOW - SuperThread

PART NO.	TUBE OD	THREAD	PRICE
RM090411	4 mm	1/8"	£ 0.97
RM090412	4 mm	1/4"	£ 1.12
RM090511	5 mm	1/8"	£ 1.13
RM090512	5 mm	1/4"	£ 1.21
RM090611	6 mm	1/8"	£ 1.12
RM090612	6 mm	1/4"	£ 1.22
RM090811	8 mm	1/8"	£ 1.22
RM090812	8 mm	1/4"	£ 1.23
RM090813	8 mm	3/8"	£ 1.69
RM091012	10 mm	1/4"	£ 1.94
RM091013	10 mm	3/8"	£ 2.26
RM091014	10 mm	1/2"	£ 2.87
RM091213	12 mm	3/8"	£ 2.57
RM091214	12 mm	1/2"	£ 3.17



SWIVEL ELBOW EXTENDED - SuperThread

PART NO.	TUBE OD	THREAD	PRICE
RM390411	4 mm	1/8"	£ 1.86
RM390511	5 mm	1/8"	£ 1.87
RM390611	6 mm	1/8"	£ 1.88
RM390812	8 mm	1/4"	£ 1.93



EQUAL ELBOW

PART NO.	TUBE OD	PRICE
PM0304E	4 mm	£ 0.75
PM0305E	5 mm	£ 0.77
PM0306E	6 mm	£ 0.83
PM0308E	8 mm	£ 0.96
PM0310E	10 mm	£ 1.36
PM0312E	12 mm	£ 1.61



SWIVEL ELBOW - BSP Thread

PART NO.	TUBE OD	THREAD BSP	PRICE
PM090411E	4 mm	1/8"	£ 1.08
PM090412E	4 mm	1/4"	£ 1.09
PM090511E	5 mm	1/8"	£ 1.09
PM090512E	5 mm	1/4"	£ 1.10
PM090611E	6 mm	1/8"	£ 1.09
PM090612E	6 mm	1/4"	£ 1.15
PM090811E	8 mm	1/8"	£ 1.31
PM090812E	8 mm	1/4"	£ 1.31
PM090813E	8 mm	3/8"	£ 1.50
PM091012E	10 mm	1/4"	£ 1.77
PM091013E	10 mm	3/8"	£ 1.92
PM091014E	10 mm	1/2"	£ 2.20
PM091213E	12 mm	3/8"	£ 2.22
PM091214E	12 mm	1/2"	£ 2.47



SWIVEL ELBOW - BSPT Thread

PART NO.	TUBE OD	THREAD BSPT	PRICE
PM090401E	4 mm	1/8"	£ 1.06
PM090402E	4 mm	1/4"	£ 1.07
PM090501E	5 mm	1/8"	£ 1.07
PM090502E	5 mm	1/4"	£ 1.08
PM090601E	6 mm	1/8"	£ 1.07
PM090602E	6 mm	1/4"	£ 1.13
PM090801E	8 mm	1/8"	£ 1.24
PM090802E	8 mm	1/4"	£ 1.28
PM090803E	8 mm	3/8"	£ 1.44
PM091002E	10 mm	1/4"	£ 1.71
PM091003E	10 mm	3/8"	£ 1.86
PM091004E	10 mm	1/2"	£ 2.14
PM091203E	12 mm	3/8"	£ 2.16
PM091204E	12 mm	1/2"	£ 2.41



REDUCING ELBOW CONNECTOR			
PART NO.	TUBE OD	TUBE OD	PRICE
PM210604E	6 mm	4 mm	£ 1.03
PM210804E	8 mm	4 mm	£ 1.03
PM210806E	8 mm	6 mm	£ 1.06
PM211004E	10 mm	4 mm	£ 1.43
PM211006E	10 mm	6 mm	£ 1.43
PM211008E	10 mm	8 mm	£ 1.43
PM211208E	12 mm	8 mm	£ 1.42
PM211210E	12 mm	10 mm	£ 1.48



STEM ELBOW			
PART NO.	TUBE OD	TUBE OD	PRICE
PM220404E	4 mm	4 mm	£ 0.75
PM220505E	5 mm	5 mm	£ 0.79
PM220606E	6 mm	6 mm	£ 0.79
PM220808E	8 mm	8 mm	£ 0.96
PM221010E	10 mm	10 mm	£ 1.37
PM221212E	12 mm	12 mm	£ 1.62



SWIVEL MALE RUN TEE - BSP Thread			
PART NO.	TUBE OD	THREAD BSP	PRICE
PM110411E	4 mm	1/8"	£ 1.33
PM110412E	4 mm	1/4"	£ 1.36
PM110511E	5 mm	1/8"	£ 1.37
PM110512E	5 mm	1/4"	£ 1.41
PM110611E	6 mm	1/8"	£ 1.35
PM110612E	6 mm	1/4"	£ 1.40
PM110811E	8 mm	1/8"	£ 1.52
PM110812E	8 mm	1/4"	£ 1.53
PM110813E	8 mm	3/8"	£ 1.77
PM111012E	10 mm	1/4"	£ 1.89
PM111013E	10 mm	3/8"	£ 2.04
PM111014E	10 mm	1/2"	£ 2.34
PM111213E	12 mm	3/8"	£ 2.42
PM111214E	12 mm	1/2"	£ 2.66



SWIVEL MALE RUN TEE - BSPT Thread			
PART NO.	TUBE OD	THREAD BSPT	PRICE
PM110401E	4 mm	1/8"	£ 1.29
PM110402E	4 mm	1/4"	£ 1.33
PM110501E	5 mm	1/8"	£ 1.36
PM110502E	5 mm	1/4"	£ 1.37
PM110601E	6 mm	1/8"	£ 1.36
PM110602E	6 mm	1/4"	£ 1.37
PM110801E	8 mm	1/8"	£ 1.48
PM110802E	8 mm	1/4"	£ 1.52
PM110803E	8 mm	3/8"	£ 1.72
PM111002E	10 mm	1/4"	£ 1.86
PM111003E	10 mm	3/8"	£ 1.97
PM111004E	10 mm	1/2"	£ 2.25
PM111203E	12 mm	3/8"	£ 2.35
PM111204E	12 mm	1/2"	£ 2.61



STEM ADAPTOR - Metric Thread			
PART NO.	TUBE OD	THREAD	PRICE
RM0504M5	4 mm	M5	£ 0.62
RM0505M5	5 mm	M5	£ 0.72
RM0506M5	6 mm	M5	£ 0.80



STEM ADAPTOR - SuperThread			
PART NO.	TUBE OD	THREAD	PRICE
RM050411	4 mm	1/8"	£ 0.74
RM050412	4 mm	1/4"	£ 0.87
RM050511	5 mm	1/8"	£ 0.75
RM050512	5 mm	1/4"	£ 0.91
RM050611	6 mm	1/8"	£ 0.75
RM050612	6 mm	1/4"	£ 0.85
RM050811	8 mm	1/8"	£ 0.85
RM050812	8 mm	1/4"	£ 0.85
RM050813	8 mm	3/8"	£ 0.98
RM051012	10 mm	1/4"	£ 0.98
RM051013	10 mm	3/8"	£ 1.18
RM051014	10 mm	1/2"	£ 1.50
RM051213	12 mm	3/8"	£ 1.33
RM051214	12 mm	1/2"	£ 1.52



STEM ADAPTOR - BSP Thread			
PART NO.	TUBE OD	THREAD BSP	PRICE
PM050411E	4 mm	1/8"	£ 0.28
PM050412E	4 mm	1/4"	£ 0.30
PM050511E	5 mm	1/8"	£ 0.28
PM050512E	5 mm	1/4"	£ 0.30
PM050611E	6 mm	1/8"	£ 0.27
PM050612E	6 mm	1/4"	£ 0.30
PM050811E	8 mm	1/8"	£ 0.28
PM050812E	8 mm	1/4"	£ 0.30
PM050813E	8 mm	3/8"	£ 0.46
PM051012E	10 mm	1/4"	£ 0.37
PM051013E	10 mm	3/8"	£ 0.48
PM051014E	10 mm	1/2"	£ 0.79
PM051213E	12 mm	3/8"	£ 0.56
PM051214E	12 mm	1/2"	£ 0.79



STEM ADAPTOR - BSPT Thread			
PART NO.	TUBE OD	THREAD BSPT	PRICE
PM050401E	4 mm	1/8"	£ 0.27
PM050402E	4 mm	1/4"	£ 0.28
PM050501E	5 mm	1/8"	£ 0.27
PM050502E	5 mm	1/4"	£ 0.28
PM050601E	6 mm	1/8"	£ 0.27
PM050602E	6 mm	1/4"	£ 0.28
PM050801E	8 mm	1/8"	£ 0.27
PM050802E	8 mm	1/4"	£ 0.28
PM050803E	8 mm	3/8"	£ 0.42
PM051002E	10 mm	1/4"	£ 0.33
PM051003E	10 mm	3/8"	£ 0.42
PM051004E	10 mm	1/2"	£ 0.69
PM051203E	12 mm	3/8"	£ 0.49
PM051204E	12 mm	1/2"	£ 0.69



REDUCER			
PART NO.	TUBE OD	TUBE OD	PRICE
PM060504E	5 mm	4 mm	£ 0.48
PM060604E	6 mm	4 mm	£ 0.50
PM060605E	6 mm	5 mm	£ 0.51
PM060804E	8 mm	4 mm	£ 0.60
PM060805E	8 mm	5 mm	£ 0.60
PM060806E	8 mm	6 mm	£ 0.61
PM061006E	10 mm	6 mm	£ 0.64
PM061008E	10 mm	8 mm	£ 0.73
PM061208E	12 mm	8 mm	£ 0.82
PM061210E	12 mm	10 mm	£ 1.41



EQUAL STRAIGHT CONNECTOR		
PART NO.	TUBE OD	PRICE
PM0404E	4 mm	£ 0.68
PM0405E	5 mm	£ 0.69
PM0406E	6 mm	£ 0.72
PM0408E	8 mm	£ 0.81
PM0410E	10 mm	£ 1.05
PM0412E	12 mm	£ 1.22



REDUCING STRAIGHT CONNECTOR			
PART NO.	TUBE OD	TUBE OD	PRICE
PM200604E	6 mm	4 mm	£ 0.82
PM200804E	8 mm	4 mm	£ 0.82
PM200806E	8 mm	6 mm	£ 0.85
PM201004E	10 mm	4 mm	£ 1.01
PM201006E	10 mm	6 mm	£ 1.00
PM201008E	10 mm	8 mm	£ 0.91
PM201208E	12 mm	8 mm	£ 1.22
PM201210E	12 mm	10 mm	£ 1.43



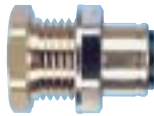
FEMALE ADAPTOR - BSP Thread Flat End			
PART NO.	TUBE OD	THREAD BSP	PRICE
PM450411E	4 mm	1/8"	£ 0.69
PM450611E	6 mm	1/8"	£ 0.90
PM450612E	6 mm	1/4"	£ 0.90
PM450812E	8 mm	1/4"	£ 0.90



TWO-WAY DIVIDER		
PART NO.	TUBE OD	PRICE
RPM2304E	4 mm	£ 1.11
RM2306E	6 mm	£ 1.25
RM2308E	8 mm	£ 1.25
RM2312E	12 mm	£ 2.21



TUBE TO HOSE STEM			
PART NO.	TUBE OD	TUBE OD	PRICE
PM250604E	6 mm	4 mm	£ 0.68
PM250806E	8 mm	6 mm	£ 0.71
PM251008E	10 mm	8 mm	£ 0.74



BULKHEAD ADAPTOR		
PART NO.	TUBE OD	PRICE
RM070411	4 mm	£ 1.58
RM070511	5 mm	£ 1.58
RM070612	6 mm	£ 1.87
RM070812	8 mm	£ 1.92
RM071013	10 mm	£ 3.88
RM071214	12 mm	£ 4.49



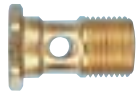
BULKHEAD CONNECTOR		
PART NO.	TUBE OD	PRICE
PM1204E	4 mm	£ 1.05
PM1205E	5 mm	£ 1.22
PM1206E	6 mm	£ 1.24
PM1208E	8 mm	£ 1.29
PM1210E	10 mm	£ 1.96
PM1212E	12 mm	£ 2.26



PLUG		
PART NO.	TUBE OD	PRICE
PM0804R	4 mm	£ 0.18
PM0805R	5 mm	£ 0.19
PM0806R	6 mm	£ 0.21
PM0808R	8 mm	£ 0.24
PM0810R	10 mm	£ 0.45
PM0812R	12 mm	£ 0.54



SINGLE BANJO BODY			
PART NO.	TUBE OD	THREAD	PRICE
RM150411E	4 mm	1/8"	£ 0.93
RM150511E	5 mm	1/8"	£ 0.97
RM150611E	6 mm	1/8"	£ 1.02
RM150812E	8 mm	1/4"	£ 1.08
RM151013E	10 mm	3/8"	£ 1.58
RM151214E	12 mm	1/2"	£ 1.87



BANJO STEM SINGLE		
PART NO.	STEM THREAD BSP	PRICE
RM1611	1/8"	£ 1.56
RM1612	1/4"	£ 2.08
RM1613	3/8"	£ 3.12
RM1614	1/2"	£ 5.20



BANJO STEM DOUBLE		
PART NO.	STEM THREAD BSP	PRICE
RM1711	1/8"	£ 2.08
RM1712	1/4"	£ 3.12
RM1713	3/8"	£ 5.20
RM1714	1/2"	£ 6.24



COLLET COVERS		
PART NO.	TUBE OD	PRICE
PM1904E	4 mm	£ 0.06
PM1905E	5 mm	£ 0.07
PM1906E	6 mm	£ 0.09
PM1908E	8 mm	£ 0.10
PM1910E	10 mm	£ 0.11
PM1912E	12 mm	£ 0.12

Colours are available - Suffix indicates colours

E = Black Y = Yellow B = Blue

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Please indicate by suffix, colour required or black will be supplied

BANJO FLOW CONTROLS

MATERIAL SPECIFICATIONS

Acetal Copolymer, Brass, Stainless Steel and Nitrile.

TEMPERATURE RANGE: 5°C to 70°C

WORKING PRESSURE RANGE: 0.5 Bar to 10 Bar

FILTRATION

Air supply should be filtered to 50 micron.



BANJO FLOW CONTROL - Manual Adjustment			
PART NO.	TUBE OD	THREAD	PRICE
CFM3604M5E	4 mm	M5	£ 7.26
CFM360411E	4 mm	1/8" BSP	£ 7.73
CFM360611E	6 mm	1/8" BSP	£ 7.83
CFM360612E	6 mm	1/4" BSP	£ 8.18
CFM360812E	8 mm	1/4" BSP	£ 8.23

BANJO FLOW CONTROL - Screwdriver Slot Adjustment			
PART NO.	TUBE OD	THREAD	PRICE
BFC3604M5E	4 mm	M5	£ 5.93
BFC360411E	4 mm	1/8" BSP	£ 6.45
BFC360611E	6 mm	1/8" BSP	£ 6.04
BFC360612E	6 mm	1/4" BSP	£ 6.45
BFC360812E	8 mm	1/4" BSP	£ 6.45
BFC361013E	10 mm	3/8" BSP	£ 8.07
BFC361214E	12 mm	1/2" BSP	£ 10.09



STRAIGHT ADAPTOR - BSPT Thread

PART NO.	TUBE OD	THREAD BSPT	PRICE
PM010401S	5/32"	1/8"	£ 0.46
PM010402S	5/32"	1/4"	£ 0.48
PI010601S	3/16"	1/8"	£ 0.48
PI010602S	3/16"	1/4"	£ 0.59
PI010801S	1/4"	1/8"	£ 0.52
PI010802S	1/4"	1/4"	£ 0.59
PM010801S	5/16"	1/8"	£ 0.60
PM010802S	5/16"	1/4"	£ 0.63
PM010803S	5/16"	3/8"	£ 0.80
PI011202S	3/8"	1/4"	£ 0.96
PI011203S	3/8"	3/8"	£ 1.02
PI011603S	1/2"	3/8"	£ 1.36
PI011604S	1/2"	1/2"	£ 1.50



EQUAL TEE

PART NO.	TUBE OD	PRICE
PM0204S	5/32"	£ 1.04
PI0206S	3/16"	£ 1.06
PI0208S	1/4"	£ 1.17
PM0208S	5/16"	£ 1.20
PI0212S	3/8"	£ 1.42
PI0216S	1/2"	£ 1.71



EQUAL ELBOW

PART NO.	TUBE OD	PRICE
PM0304S	5/32"	£ 0.76
PI0306S	3/16"	£ 0.79
PI0308S	1/4"	£ 0.90
PM0308S	5/16"	£ 0.93
PI0312S	3/8"	£ 1.34
PI0316S	1/2"	£ 1.61

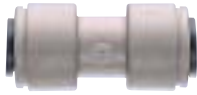


STEM ADAPTOR - BSPT Thread

PART NO.	STEM OD	THREAD BSPT	PRICE
PM050401S	5/32"	1/8"	£ 0.46
PM050402S	5/32"	1/4"	£ 0.47
PI050601S	3/16"	1/8"	£ 0.47
PI050801S	1/4"	1/8"	£ 0.51
PI050802S	1/4"	1/4"	£ 0.53
PM050801S	5/16"	1/8"	£ 0.54
PM050802S	5/16"	1/4"	£ 0.55
PM050803S	5/16"	3/8"	£ 0.60
PI051202S	3/8"	1/4"	£ 0.56
PI051203S	3/8"	3/8"	£ 0.70
PI051603S	1/2"	3/8"	£ 0.71
PI051604S	1/2"	1/2"	£ 0.72



EQUAL STRAIGHT CONNECTOR		
PART NO.	TUBE OD	PRICE
PM0404S	5/32"	£ 0.65
PI0406S	3/16"	£ 0.66
PI0408S	1/4"	£ 0.75
PM0408S	5/16"	£ 0.80
PI0412S	3/8"	£ 1.03
PI0416S	1/2"	£ 1.25



REDUCING STRAIGHT CONNECTOR			
PART NO.	TUBE OD	TUBE OD	PRICE
PI200806S	1/4"	3/16"	£ 0.82
PM200804S	5/16"	5/32"	£ 0.82
PI201006S	5/16"	3/16"	£ 0.84
PI201008S	5/16"	1/4"	£ 0.85
PI201206S	3/8"	3/16"	£ 1.01
PI201208S	3/8"	1/4"	£ 1.02
PI201210S	3/8"	5/16"	£ 0.91
PI201610S	1/2"	5/16"	£ 1.18
PI201612S	1/2"	3/8"	£ 1.28



FEMALE ADAPTOR - BSP Thread Flat End			
PART NO.	TUBE OD	THREAD BSP	PRICE
PI451014FS	5/16"	1/2"	£ 1.71
PI451015FS	5/16"	5/8"	£ 1.84
PI451213S	3/8"	3/8"	£ 1.64
PI451214FS	3/8"	1/2"	£ 1.81
PI451215FS	3/8"	5/8"	£ 1.94
PI451613S	1/2"	3/8"	£ 1.75
PI451615FS	1/2"	5/8"	£ 2.11



PLUG		
PART NO.	TUBE OD	PRICE
PM0804S	5/32"	£ 0.19
PI0806S	3/16"	£ 0.20
PI0808S	1/4"	£ 0.20
PM0808S	5/16"	£ 0.24
PI0812S	3/8"	£ 0.35
PI0816S	1/2"	£ 0.52



BULKHEAD CONNECTOR		
PART NO.	TUBE OD	PRICE
PM1204S	5/32"	£ 1.06
PI1206S	3/16"	£ 1.24
PI1208S	1/4"	£ 1.26
PM1208S	5/16"	£ 1.86
PI1212S	3/8"	£ 1.90
PI1216S	1/2"	£ 2.25



FLOW BEND CLIP

PART NO.	TUBE OD	PRICE
PM2608S	5/16"	£ 0.46
PM2610S	3/8"	£ 0.51



TUBE INSERT

PART NO.	TUBE OD	TUBE ID	PRICE
TSI250S	5/16"	1/4"	£ 0.06
TSI312S	3/8"	5/16"	£ 0.07
TSI375S	1/2"	3/8"	£ 0.08



LOCKING CLIP

PART NO.	TUBE OD	PRICE
PIC1808S	1/4"	£ 0.09
PIC1812S	3/8"	£ 0.10



COLLET COVERS

PART NO.	TUBE OD	PRICE
PM1904S	5/32"	£ 0.06
PI1906S	3/16"	£ 0.07
PI1908S	1/4"	£ 0.08
PM1908S	5/16"	£ 0.10
PI1912S	3/8"	£ 0.10
PI1916	1/2"	£ 0.11



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