



John Guest[®]

Drinks Dispense And Pure Water
Super Speedfit *Fittings, Valves and Tubing*



August 2006

The John Guest Group has a long established reputation as a world leading manufacturer of push-in fittings, tube and other fluid control products. A reputation built on producing consistently high quality products with an ongoing commitment to value engineering and product development.



Quality Manufacture

A commitment to quality is at the heart of the John Guest philosophy.

The strictest control is maintained by virtue of the fact that design and manufacture is carried out in modern purpose built manufacturing centres in west London and at Maidenhead in Berkshire.

Maintaining control over the whole process from initial tool design and tool making through to final assembly and testing ensuring that only products of the highest quality are produced.

The company believe it is this commitment to quality that has led to it receiving prestigious awards from many of the world's leading testing and approvals organisations.

John Guest is a preferred supplier to many international companies.



THE QUEEN'S AWARDS
FOR ENTERPRISE:
INNOVATION
2005

John Guest offer the widest range of push-in fittings, tube and other fluid control products for drinks dispense and pure water applications.

The world's first food quality push in fitting, the John Guest range is now over 800 items strong and provides the quickest and most effective of installations. Pushing the tube into the fitting is all that is needed to produce an instant but permanent leakproof connection.

The fittings are just as easy to disconnect and re use without the need for replacement parts.

The products in this catalogue are produced in FDA approved materials making them especially suitable for potable liquids. Selected items can also be used for inert gases such as CO².



FAST INSTALLATION TIME 'RIGHT FIRST TIME EVERY TIME'

SUITABLE FOR SOFT METAL OR PLASTIC TUBES

NO TOOLS NEEDED

QUICK DISCONNECTION

RE-USABLE

SUPERIOR FLOW CHARACTERISTICS

Accepted by almost all the world's beer and beverage producers and by the manufacturers of drinks dispense equipment, John Guest products have quality and performance approvals from leading testing and acceptance authorities.



NSF 51
NSF 61



Since 1989



14001



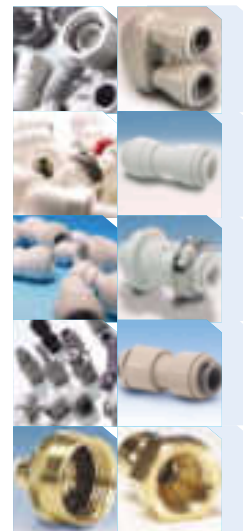
SK 206-001

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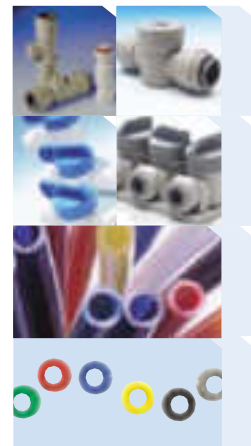
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How Super Speedfit Works

To make a connection, the tube is simply pushed in by hand; the unique patented John Guest collet locking system then holds the tube firmly in place without deforming it or restricting flow.

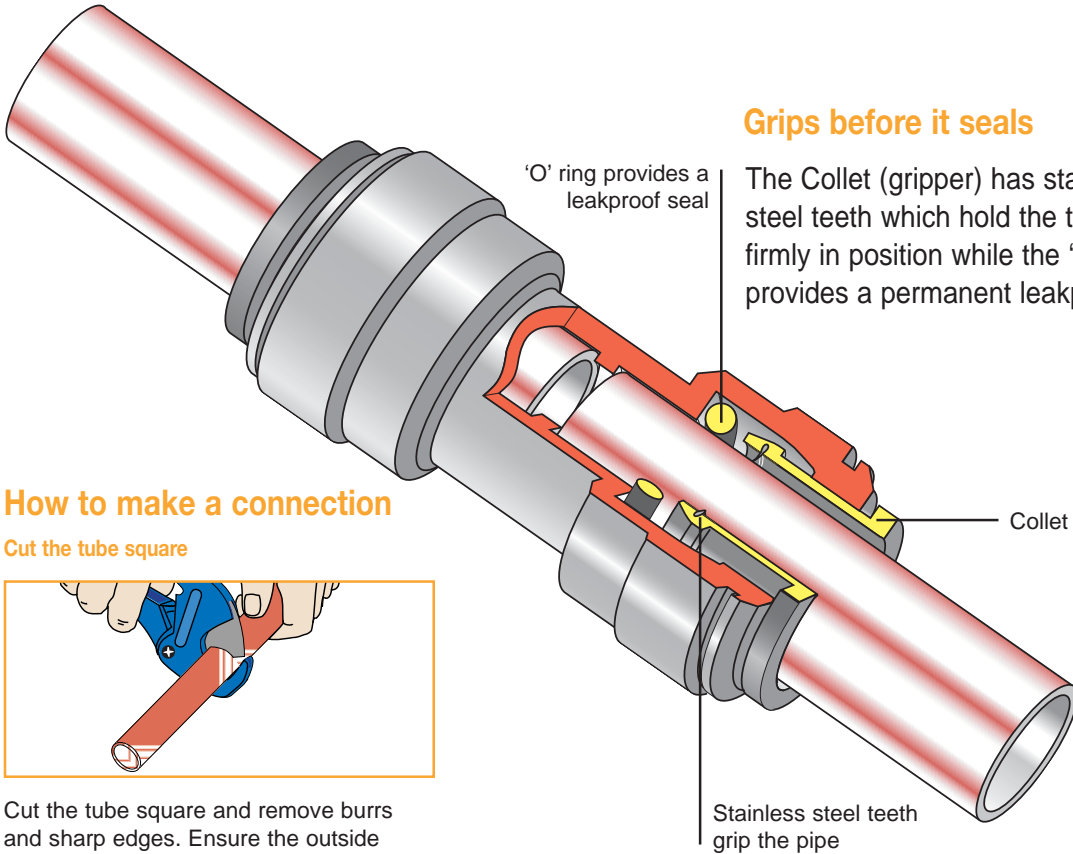
Materials of construction

Super Speedfit fittings are made up of three components:

Bodies are produced in an acetal copolymer or polypropylene.

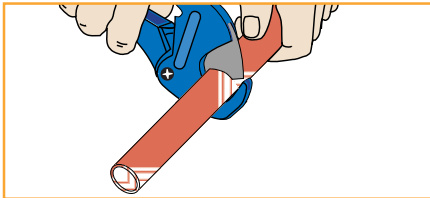
'O' rings are Nitrile rubber or EPDM.

Collets are produced in acetal copolymer or polypropylene with stainless steel teeth.



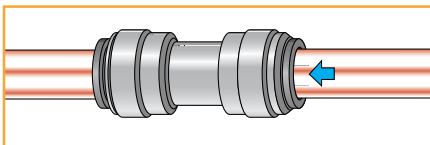
How to make a connection

Cut the tube square



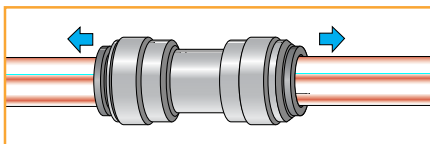
Cut the tube square and remove burrs and sharp edges. Ensure the outside diameter is free of score marks. For soft or thin walled tube we recommend the use of a tube insert.

Push up to tube stop



Push the tube into the fitting, to the tube stop.

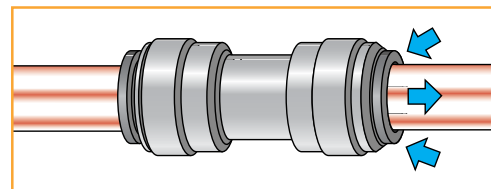
Pull to check secure



Pull on the tube to check it is secure. Test the system before use.

To disconnect

Push in collet and remove tube

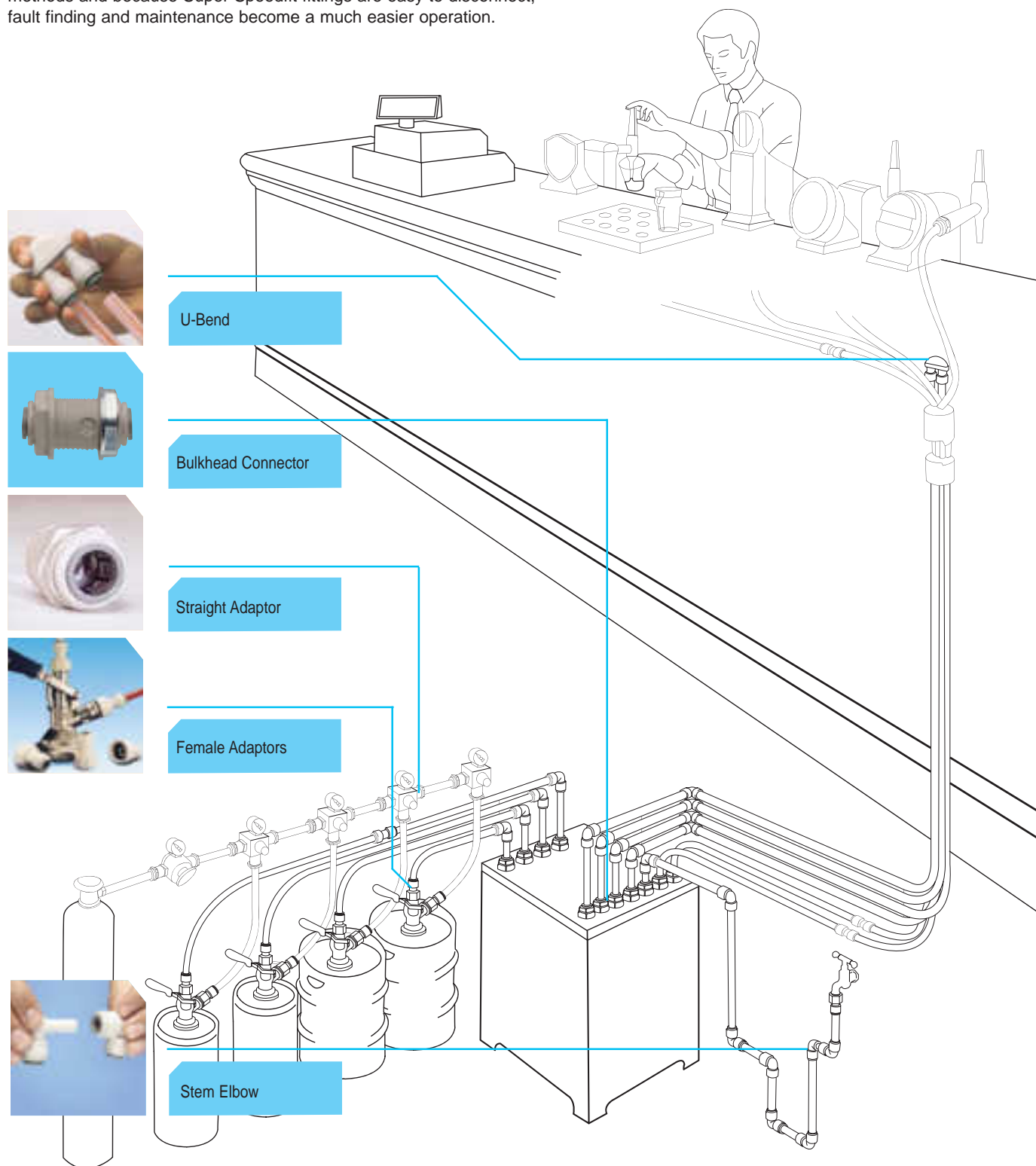


To disconnect, ensure the system is depressurized, push the collet square against the fitting. With the collet held in this position the tube can be removed.

Typical Bar Installation

Super Speedfit push-in fittings have been designed for a wide range of industrial 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.



Grey Acetal Fittings

PI fittings offered in sizes 5/32" to 5/8" are manufactured in grey acetal copolymer, making them especially suitable for applications involving foodstuffs and potable liquids. They are however equally suitable for air and inert gases and can be used on N₂/C² (installed in accordance with The British Beer and Pub Association Code of Practice) mixed gas dispense lines and in pneumatic applications and vacuum.

Technical information shown on page 33.



for liquids & inert gases

STRAIGHT ADAPTOR BSPT THREAD



PART NO.	TUBE OD	THREAD BSPT
PM010401S	5/32	x 1/8
PM010402S	5/32	x 1/4
PI010601S	3/16	x 1/8
PI010602S	3/16	x 1/4
PI010801S	1/4	x 1/8
PI010802S	1/4	x 1/4
PM010801S	5/16	x 1/8
PM010802S	5/16	x 1/4
PM010803S	5/16	x 3/8
PI011202S	3/8	x 1/4
PI011203S	3/8	x 3/8
PI011603S	1/2	x 3/8
PI011604S	1/2	x 1/2

STRAIGHT ADAPTOR BSP THREAD



PART NO.	TUBE OD	THREAD BSP
NCPI011211S	3/8	x 1/8
NCPI011212S	3/8	x 1/4

3/8" x 1/4" has special large seal for use with chamfered face ports.
No thread seal on 3/8" x 1/8".

STRAIGHT ADAPTOR BRITISH 'NIPPLE' TYPE



PART NO.	TUBE OD	THREAD BSW
PI0106E3S	3/16	x 3/8 - 24
PI0106E5S	3/16	x 1/2 - 24
PI0106E6S	3/16	x 9/16 - 24
PI0108E5S	1/4	x 1/2 - 24
PI0108E6S	1/4	x 9/16 - 24
PM0108E5S	5/16	x 1/2 - 24
PM0108E6S	5/16	x 9/16 - 24
PI0112E5S	3/8	x 1/2 - 24
PI0112E6S	3/8	x 9/16 - 24

STRAIGHT ADAPTOR BSP THREAD



PART NO.	TUBE OD	THREAD BSP
PI010812S	1/4	x 1/4
PI011212S	3/8	x 1/4

For use with spot face ports.

STRAIGHT ADAPTOR NPTF THREAD



PART NO.	TUBE OD	THREAD NPTF
PM010421S	5/32	x 1/8
PM010422S	5/32	x 1/4
PI010621S	3/16	x 1/8
PI010821S	1/4	x 1/8
PI010822S	1/4	x 1/4
PI010823S	1/4	x 3/8
PM010821S	5/16	x 1/8
PM010822S	5/16	x 1/4
PM010823S	5/16	x 3/8
PI011221S	3/8	x 1/8
PI011222S	3/8	x 1/4
PI011223S	3/8	x 3/8
PI011224S	3/8	x 1/2
PI011623S	1/2	x 3/8
PI011624S	1/2	x 1/2
PI012026S	5/8	x 3/4

STRAIGHT ADAPTOR MFL THREAD



PART NO.	TUBE OD	THREAD MFL
PI0108F4S	1/4	x 1/4
PM0108F5S	5/16	x 5/16
PI0112F4S	3/8	x 1/4
PI0112F5S	3/8	x 5/16
PI0112F6S	3/8	x 3/8
PI0112F8S	3/8	x 1/2
PI0116F8S	1/2	x 1/2
PM0108C5S	5/16	x 1/2 - 16 UN
PI0112C5S	3/8	x 1/2 - 16 UN

OUTLET ADAPTOR PARALLEL THREAD



PART NO.	TUBE OD	THREAD BSP
NC128/I12	3/8	x 1/4

EQUAL ELBOW



PART NO.	TUBE OD	
PM0304S	5/32	
PI0306S	3/16	
PI0308S	1/4	
PM0308S	5/16	
PI0312S	3/8	
PI0316S	1/2	
PI0308S-B	1/4	Blue Collet

RIGID ELBOW

NPTF THREAD



PART NO.	TUBE OD	THREAD NPTF
PI480821S	1/4	x 1/8
PI480822S	1/4	x 1/4
PI480823S	1/4	x 3/8
PI481022S*	5/16	x 1/4
PI481023S*	5/16	x 3/8
PI481222S	3/8	x 1/4
PI481223S	3/8	x 3/8
PI482024S	5/8	x 1/2

* New

EQUAL STRAIGHT CONNECTOR



PART NO.	TUBE OD
PM0404S	5/32
PI0406S	3/16
PI0408S	1/4
PM0408S	5/16
PI0412S	3/8
PI0416S	1/2

REDUCING ELBOW



PART NO.	TUBE OD	TUBE OD
PM210804S	5/16	- 5/32
PI211006S	5/16	- 3/16
PI211008S	5/16	- 1/4
PI211206S	3/8	- 3/16
PI211208S	3/8	- 1/4
PI211210S	3/8	- 5/16
PI211610S	1/2	- 5/16
PI211612S	1/2	- 3/8

EQUAL TEE



PART NO.	TUBE OD
PM0204S	5/32
PI0206S	3/16
PI0208S	1/4
PM0208S	5/16
PI0212S	3/8
PI0216S	1/2

REDUCING STRAIGHT CONNECTOR



PART NO.	TUBE OD	TUBE OD
PI200806S	1/4	- 3/16
PM200804S	5/16	- 5/32
PI201006S	5/16	- 3/16
PI201008S	5/16	- 1/4
PI201206S	3/8	- 3/16
PI201208S	3/8	- 1/4
PI201210S	3/8	- 5/16
PI201610S	1/2	- 5/16
PI201612S	1/2	- 3/8

STEM ELBOW



PART NO.	STEM OD	TUBE OD
PM220404S	5/32	- 5/32
PI220606S	3/16	- 3/16
PI220808S	1/4	- 1/4
PM220808S	5/16	- 5/16
PI221206S	3/8	- 3/16
PI221208S	3/8	- 1/4
PI221210S	3/8	- 5/16
PI221212S	3/8	- 3/8
PI221616S	1/2	- 1/2

REDUCING TEE



PART NO.	TUBE OD ENDS	TUBE OD BRANCH
PI301208S	3/8	- 1/4
PI301612S	1/2	- 3/8

Accessories for PI Fittings are shown on page 26.



Adaptability

SWIVEL ELBOW

BSPT THREAD



PART NO.	TUBE OD	THREAD BSPT
PI090601S	3/16	x 1/8
PI090801S	1/4	x 1/8
PI090802S	1/4	x 1/4
PM090801S	5/16	x 1/8
PM090802S	5/16	x 1/4
PM090803S	5/16	x 3/8
PI091202S	3/8	x 1/4
PI091203S	3/8	x 3/8
PI091603S	1/2	x 3/8
PI091604S	1/2	x 1/2

SWIVEL BRANCH TEE

BSPT THREAD



PART NO.	TUBE OD	THREAD BSPT
PI100601S	3/16	x 1/8
PI100801S	1/4	x 1/8
PI100802S	1/4	x 1/4
PM100801S	5/16	x 1/8
PM100802S	5/16	x 1/4
PM100803S	5/16	x 3/8
PI101202S	3/8	x 1/4
PI101203S	3/8	x 3/8
PI101603S	1/2	x 3/8
PI101604S	1/2	x 1/2

SWIVEL MALE RUN TEE

BSPT THREAD



PART NO.	TUBE OD	THREAD BSPT
PI110601S	3/16	x 1/8
PI110801S	1/4	x 1/8
PI110802S	1/4	x 1/4
PM110801S	5/16	x 1/8
PM110802S	5/16	x 1/4
PM110803S	5/16	x 3/8
PI111202S	3/8	x 1/4
PI111203S	3/8	x 3/8
PI111603S	1/2	x 3/8
PI111604S	1/2	x 1/2

SWIVEL ELBOW

NPTF THREAD



PART NO.	TUBE OD	THREAD NPTF
PM090421S	5/32	x 1/8
PM090422S	5/32	x 1/4
PI090621S	3/16	x 1/8
PI090821S	1/4	x 1/8
PI090822S	1/4	x 1/4
PM090821S	5/16	x 1/8
PM090822S	5/16	x 1/4
PM090823S	5/16	x 3/8
PI091222S	3/8	x 1/4
PI091223S	3/8	x 3/8
PI091623S	1/2	x 3/8
PI091624S	1/2	x 1/2

SWIVEL BRANCH TEE

NPTF THREAD



PART NO.	TUBE OD	THREAD NPTF
PM100421S	5/32	x 1/8
PM100422S	5/32	x 1/4
PI100621S	3/16	x 1/8
PI100821S	1/4	x 1/8
PI100822S	1/4	x 1/4
PM100821S	5/16	x 1/8
PM100822S	5/16	x 1/4
PM100823S	5/16	x 3/8
PI101222S	3/8	x 1/4
PI101223S	3/8	x 3/8
PI101623S	1/2	x 3/8
PI101624S	1/2	x 1/2

SWIVEL MALE RUN TEE

NPTF THREAD

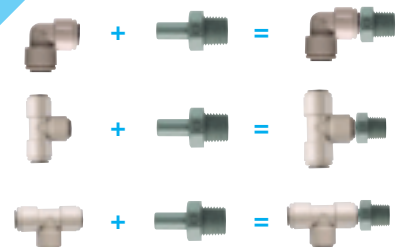


PART NO.	TUBE OD	THREAD NPTF
PM110421S	5/32	x 1/8*
PM110422S	5/32	x 1/4*
PI110621S	3/16	x 1/8
PI110821S	1/4	x 1/8
PI110822S	1/4	x 1/4
PM110821S	5/16	x 1/8*
PM110822S	5/16	x 1/4
PM110823S	5/16	x 3/8*
PI111222S	3/8	x 1/4
PI111223S	3/8	x 3/8
PI111623S	1/2	x 3/8*
PI111624S	1/2	x 1/2*

* Obtained by using an Equal Tee shown on page 3 and a Stem Adaptor, shown on page 11.

John Guest Adaptability

Standard **Super Speedfit** products can be coupled together to form integral new fittings.



Female Adaptors

4 Tube Sizes

5 Thread Forms

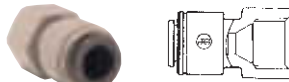
10 Thread Sizes

FEMALE ADAPTOR BSP THREAD - FLAT END



PART NO.	TUBE OD	THREAD BSP
PI451014FS	5/16 x	1/2
PI451015FS	5/16 x	5/8
PI451213S	3/8 x	3/8
PI451214FS	3/8 x	1/2
PI451215FS	3/8 x	5/8
PI451613S	1/2 x	3/8
PI451615FS	1/2 x	5/8

FEMALE ADAPTOR UNS THREAD



PART NO.	TUBE OD	THREAD UNS
PM4508C5S	5/16 x	1/2 - 16
PI4512C5S	3/8 x	1/2 - 16
PI4516C5S	1/2 x	1/2 - 16

Unified Thread (UNS) is generally used in beverage dispense applications, usually associated with Coca Cola.

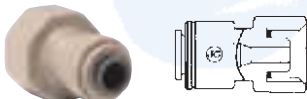
TAP ADAPTOR BSP THREAD



PART NO.	TUBE OD	THREAD BSP
CI320814S	1/4 x	1/2
CI320816S	1/4 x	3/4
CI321214S	3/8 x	1/2
CI321216S*	3/8 x	3/4

* Available early 2007

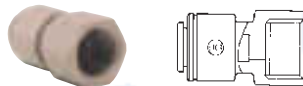
FEMALE ADAPTOR BSP THREAD - CONE END



PART NO.	TUBE OD	THREAD BSP
PI451014CS	5/16 x	1/2
PI451015CS	5/16 x	5/8
PI451214CS	3/8 x	1/2
PI451215CS	3/8 x	5/8
PI451614CS	1/2 x	1/2
PI451616CS*	1/2 x	3/4
PI451615CS	1/2 x	5/8

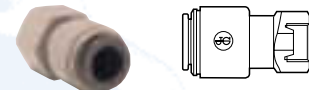
* New

FEMALE ADAPTOR NPTF THREAD



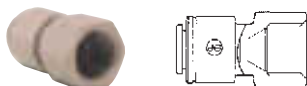
PART NO.	TUBE OD	THREAD NPTF
PI450822S	1/4 x	1/4
PI451222S	3/8 x	1/4

TAP ADAPTOR UNS THREAD



PART NO.	TUBE OD	THREAD UNS
CI3208U7S	1/4 x	7/16 - 24
CI3210U7S	5/16 x	7/16 - 24
CI3212U7S	3/8 x	7/16 - 24

FEMALE ADAPTOR BRITISH WHITWORTH THREAD



PART NO.	TUBE OD	THREAD BSW
PM4508E5S	5/16 x	1/2 - 24
PI4512E6S	3/8 x	9/16 - 24

FEMALE ADAPTOR FFL THREAD



PART NO.	TUBE OD	THREAD FFL
PM4508F4S	5/16 x	1/4
PI4512F4S	3/8 x	1/4
PI4512F6S	3/8 x	3/8

1/4 (FFL) corresponds to a 7/16 UNF
3/8 (FFL) corresponds to a 5/8 UNF



THREE WAY DIVIDER


PART NO.	TUBE OD INLET	TUBE OD OUTLET
PI491612S	1/2	3/8

TWO-WAY DIVIDER


PART NO.	TUBE OD
PI2308S	1/4
PM2308S	5/16
PI2312S	3/8
PI2316S	1/2

UNEQUAL TWO-WAY DIVIDER


PART NO.	TUBE OD INLET	TUBE OD OUTLET
PI241210S	3/8	5/16

BULKHEAD CONNECTOR


PART NO.	TUBE OD
PM1204S	5/32
PI1206S	3/16
PI1208S	1/4
PM1208S	5/16
PI1212S	3/8
PI1216S	1/2

REDUCING BULKHEAD CONNECTOR


PART NO.	TUBE OD	TUBE OD
PI121208S	3/8	1/4

STEM ADAPTOR

BSPT THREAD



PART NO.	STEM OD	THREAD BSPT
PM050401S	5/32	x 1/8
PM050402S	5/32	x 1/4
PI050601S	3/16	x 1/8
PI050801S	1/4	x 1/8
PI050802S	1/4	x 1/4
PM050801S	5/16	x 1/8
PM050802S	5/16	x 1/4
PM050803S	5/16	x 3/8
PI051202S	3/8	x 1/4
PI051203S	3/8	x 3/8
PI051603S	1/2	x 3/8
PI051604S	1/2	x 1/2

STEM ADAPTOR

BSP THREAD



PART NO.	STEM OD	THREAD BSP
PM050812S	5/16	x 1/4
PI051212S	3/8	x 1/4
PI051213S	3/8	x 3/8

STEM ADAPTOR

NPTF THREAD



PART NO.	STEM OD	THREAD NPTF
PM050421S	5/32	x 1/8
PM050422S	5/32	x 1/4
PI050621S	3/16	x 1/8
PI050821S	1/4	x 1/8
PI050822S	1/4	x 1/4
PI050823S	1/4	x 3/8
PM050821S	5/16	x 1/8
PM050822S	5/16	x 1/4
PM050823S	5/16	x 3/8
PI051222S	3/8	x 1/4
PI051223S	3/8	x 3/8
PI051623S	1/2	x 3/8
PI051624S	1/2	x 1/2

STEM ADAPTOR

BRITISH 'NIPPLE' TYPE



PART NO.	STEM OD	THREAD BSW
PI0508E5S	1/4	x 1/2 - 24
PI0508E6S	1/4	x 9/16 - 24
PM0508E5S	5/16	x 1/2 - 24
PM0508E6S	5/16	x 9/16 - 24
PI0512E5S	3/8	x 1/2 - 24
PI0512E6S	3/8	x 9/16 - 24

TUBE TO HOSE STEM


PART NO.	STEM OD	HOSE ID
PI250806S	1/4	- 3/16
PI250808S	1/4	- 1/4
PI250810S	1/4	- 5/16
PI251006S	5/16	- 3/16
PI251008S	5/16	- 1/4
PM250808S	5/16	- 5/16
PI251012S	5/16	- 3/8
PI251208S	3/8	- 1/4
PI251210S	3/8	- 5/16
PI251212S	3/8	- 3/8
PI251216S	3/8	- 1/2
PI251612S	1/2	- 3/8
PI251616S	1/2	- 1/2

TUBE TO HOSE STEM

LONG VERSION



PART NO.	STEM OD	HOSE ID
PI251012SL	5/16	- 3/8
PI251212SL	3/8	- 3/8

TUBE TO HOSE ELBOW


PART NO.	STEM OD	HOSE ID
PI290808S	1/4	- 1/4
PI290810S	1/4	- 5/16
PI291008S	5/16	- 1/4
PM290808S	5/16	- 5/16
PI291208S	3/8	- 1/4
PI291210S	3/8	- 5/16

ENLARGER


PART NO.	TUBE OD	STEM OD
PI131012S	3/8	- 5/16
PI131216S	1/2	- 3/8

Adaptors to convert to Metric sizes are shown on page 20.



REDUCER



PART NO.	STEM OD	TUBE OD
PI060605S	3/16	5/32
PI061006S	5/16	3/16
PI061008S	5/16	1/4
PI061206S	3/8	3/16
PI061208S	3/8	1/4
PI061210S	3/8	5/16
PI061610S	1/2	5/16
PI061612S	1/2	3/8

CROSS



PART NO.	TUBE OD
PI4712S	3/8

DISPENSING VALVE ELBOW



PART NO.	TUBE OD
NC356-02	3/8

DISPENSING VALVE STEM



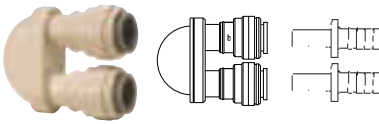
PART NO.	STEM OD
NC730-02	3/8

OFFSET CONNECTOR



PART NO.	TUBE OD	TUBE OD
NC641	1/2	5/16

U-BEND



PART NO.	TUBE OD
PIUB12S*	3/8
PIUB16S	1/2

* New

The U-Bend is offered for 1/2 inch OD tube sizes. Existing 1/2 inch ID lines can be accommodated by using a standard Tube to Hose Connector.

PLUG



PART NO.	STEM OD
PM0804S	5/32
PI0806S	3/16
PI0808S	1/4
PM0808S	5/16
PI0812S	3/8
PI0816S	1/2

END STOP



PART NO.	TUBE OD
PI4608S	1/4
PI4612S	3/8

COOLING MANIFOLD

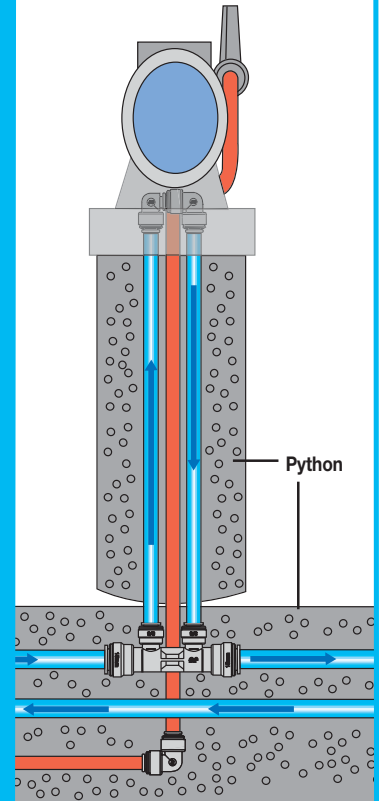


PART NO.	TUBE SIZE ENDS	TUBE SIZE BRANCHES
NC2183	15mm	3/8"

Intended for use on a 15mm Water Recirculation System.

A 4mm restriction between the two 15mm ports directs a proportion of recirculation water around a 3/8" looped spur.

Performance characteristics are dependent on a number of variables so it is recommended that suitability is assessed against the customer's own criteria.



Accessories for PI Fittings are shown on page 26.



White Acetal Fittings

CI inch size fittings are manufactured in white acetal. With a food grade EPDM 'O' ring, they have been developed for the water industry but are equally suitable for other potable liquids. They are also recommended for intermittent hot water applications.

Selected items are available with red or blue collets.

The CI Range is NOT suitable for compressed air and vacuum applications. For these situations we recommend the PI Range on pages 07 - 12.

Working Pressures and Temperatures

Water 10 BAR at 20°C

7 BAR at 65°C intermittent hot water

Other technical information is shown on page 33.



EQUAL STRAIGHT CONNECTOR



PART NO.	TUBE OD
CI0408W	1/4
CI0412W	3/8

EQUAL TEE



PART NO.	TUBE OD
CI0208W	1/4
CI0212W	3/8
CI0208WB	1/4 Blue Collet

REDUCING ELBOW



PART NO.	TUBE OD	TUBE OD
CI211206W	3/8	3/16

STRAIGHT ADAPTOR NPTF THREAD



PART NO.	TUBE OD	THREAD NPTF
CI010821W	1/4 x	1/8
CI010822W	1/4 x	1/4
CI010823W	1/4 x	3/8
CI011222W	3/8 x	1/4

EQUAL ELBOW



PART NO.	TUBE OD
CI0308W	1/4
CI0312W	3/8
CI0308WB	1/4 Blue Collet
CI0312WB	3/8 Blue Collet
CI0312WR	3/8 Red Collet

STEM ELBOW



PART NO.	STEM OD	TUBE OD
CI220808W	1/4	1/4
CI221208W	3/8	1/4
CI221212W	3/8	3/8
CI220808WB	1/4	1/4 Blue Collet
CI221212WB	3/8	3/8 Blue Collet
CI220808WR	1/4	1/4 Red Collet
CI221212WR	3/8	3/8 Red Collet

Accessories for CI Fittings are shown on page 26.



for pure water and potable liquids

pure water & potable liquids

RIGID ELBOW NPTF THREAD



PART NO.	TUBE OD	THREAD NPTF	
CI480821W	1/4	x 1/8	
CI480822W	1/4	x 1/4	
CI480823W	1/4	x 3/8	
CI481222W	3/8	x 1/4	
CI480821WB	1/4	x 1/8	Blue Collet

STEM ADAPTOR NPTF THREAD



PART NO.	STEM OD	THREAD NPTF
CI050821W	1/4	x 1/8
CI050822W	1/4	x 1/4
CI051222W	3/8	x 1/4
CI051223W	3/8	x 3/8

BARB CONNECTOR SUPERSEAL X BARB



PART NO.	SUPERSEAL OD	TUBE ID
CI270808W	1/4	- 1/4

BULKHEAD CONNECTOR



PART NO.	TUBE OD
CI1208W	1/4

REDUCER



PART NO.	STEM OD	TUBE OD
CI061208W	3/8	- 1/4

TUBE TO HOSE ELBOW



PART NO.	STEM OD	HOSE ID
CI291208W*	3/8	- 1/4

* New

FEMALE ADAPTOR NPTF THREAD

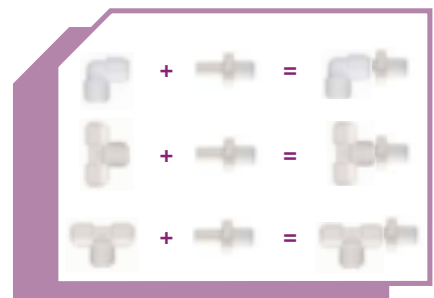


PART NO.	TUBE OD	THREAD NPTF
CI451222W*	3/8	x 1/4

* New

John Guest Adaptability

Standard **Super Speedfit** products can be coupled together to form integral new fittings.



Polypropylene Fittings

The PP Range of inch size push-in fittings is produced in white polypropylene and fitted with EPDM seals.

Polypropylene has the advantage of being more chemically resistant than acetal.

Working Pressures and Temperatures

Water 10 Bar at 20°C
4 Bar at 60°C

Minimum Temperature 1°C

Other technical information is shown on page 33.



STRAIGHT ADAPTOR NPTF THREAD



PART NO.	TUBE OD	THREAD NPTF
----------	---------	-------------

PP010821W	1/4	- 1/8
PP010822W	1/4	- 1/4
PP010823W	1/4	- 3/8
PP011222W	3/8	- 1/4
PP011223W	3/8	- 3/8
PP011224W	3/8	- 1/2
PP011623W	1/2	- 3/8
PP011624W	1/2	- 1/2

EQUAL TEE



PART NO.	TUBE OD
----------	---------

PP0208W	1/4
PPM0208W	5/16
PP0212W	3/8
PP0216W	1/2
PP0208W-B	1/4 Blue Collet

REDUCING ELBOW



PART NO.	TUBE OD	TUBE OD
----------	---------	---------

PP211008W	5/16	- 1/4
PP211208W	3/8	- 1/4
PP211612W	1/2	- 3/8

EQUAL STRAIGHT CONNECTOR



PART NO.	TUBE OD
----------	---------

PP0408W	1/4
PPM0408W	5/16
PP0412W	3/8
PP0416W	1/2

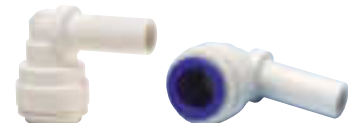
REDUCING TEE



PART NO.	TUBE OD END	TUBE OD END	TUBE OD BRANCH
----------	-------------	-------------	----------------

PP30120812W	3/8	1/4	3/8
PP30121208W	3/8	3/8	1/4
PP301612W	1/2	1/2	3/8

STEM ELBOW



PART NO.	STEM OD	TUBE OD
----------	---------	---------

PP220808W	1/4	- 1/4
PPM220808W	5/16	- 5/16
PP221208W	3/8	- 1/4
PP221212W	3/8	- 3/8
PP221616W	1/2	- 1/2

PP221212W-B	3/8	- 3/8 Blue Collet
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REDUCING STRAIGHT CONNECTOR

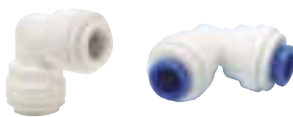


PART NO.	TUBE OD	TUBE OD
----------	---------	---------

PP201208W*	3/8	- 1/4
PP201612W	1/2	- 3/8

* New

EQUAL ELBOW



PART NO.	TUBE OD
----------	---------

PP0308W	1/4
PPM0308W	5/16
PP0312W	3/8
PP0316W	1/2

PP0308W-B	1/4 Blue Collet
-----------	-----------------

RIGID ELBOW

NPTF THREAD



PART NO.	TUBE OD	THREAD NPTF
----------	---------	-------------

PP480821W	1/4	x 1/8
PP480822W	1/4	x 1/4
PP480823W	1/4	x 3/8
PP481222W	3/8	x 1/4
PP481223W	3/8	x 3/8

Inch size - white polypropylene for pure water and a wide range of applications

BULKHEAD CONNECTOR



PART NO.	TUBE OD
PP1208W	1/4
PP1212W	3/8
PP1216W	1/2

TAP ADAPTOR

UNS THREAD



PART NO.	TUBE OD	THREAD UNS
PP3208U7W	1/4	x 7/16 - 24
PP3212U7W	3/8	x 7/16 - 24

DIVIDER



PART NO.	TUBE OD
PP2312W	3/8

REDUCING BULKHEAD CONNECTOR



PART NO.	TUBE OD	TUBE OD
PP121208W*	3/8	- 1/4

* New

STEM ADAPTOR

NPTF THREAD



PART NO.	STEM OD	THREAD NPTF
PP050821W	1/4	x 1/8
PP050822W	1/4	x 1/4
PP051222W	3/8	x 1/4
PP051223W	3/8	x 3/8
PP051623W	1/2	x 3/8
PP051624W	1/2	x 1/2

PLUG



PART NO.	STEM OD
PP0808W	1/4
PPM0808W	5/16
PP0812W	3/8
PP0816W	1/2

FEMALE ADAPTOR

NPTF THREAD



PART NO.	TUBE OD	THREAD NPTF
PP450821W	1/4	x 1/8
PP450822W	1/4	x 1/4
PP451222W	3/8	x 1/4
PP451223W	3/8	x 3/8

REDUCER



PART NO.	STEM OD	TUBE OD
PP061208W	3/8	- 1/4
PP061612W	1/2	- 3/8
PP062008W*	5/8	- 1/4
PP062012W	5/8	- 3/8
PP062016W	5/8	- 1/2

* New

TUBE TO HOSE STEM



PART NO.	STEM OD	HOSE ID
PP251212W	3/8	- 3/8
PP251216W	3/8	- 1/2
PP251612W	1/2	- 3/8
PP251616W	1/2	- 1/2

Adaptors to convert to Metric sizes are shown on page 20.



Accessories for PP Fittings are shown on page 26.



Superseal Fittings

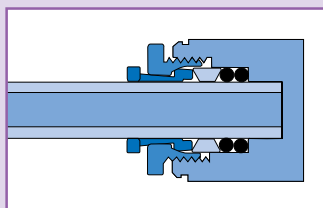
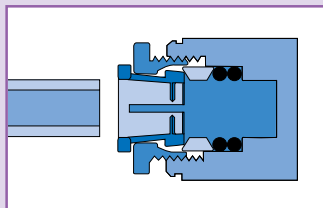
For use with Stainless Steel

Superseal is a special fitting designed to provide extra grip on hard steel, stainless steel and other polished metal tubing.

The Superseal design features a collet with integrally molded stainless steel teeth similar to the standard Super Speedfit design, but incorporating an additional hand-operated nut and wedge shaped plastic washer to apply extra pressure to the collet and the double 'O' ring seals. This ensures that the collet teeth bite thoroughly into the tube to provide grip while at the same time, compressing the 'O' rings to further enhance sealing.

Like other John Guest fittings Superseal is suitable for potable liquids and other food quality applications.

Technical information shown on page 33.



STRAIGHT ADAPTOR BSPT THREAD



PART NO.	SUPERSEAL OD	THREAD BSPT
SM010802S	5/16	x 1/4

STRAIGHT ADAPTOR WHITWORTH THREAD



PART NO.	SUPERSEAL OD	THREAD BSW
SM0108E6S	5/16	x 9/16-24
SI0112E6S	3/8	x 9/16-24

STRAIGHT ADAPTOR BSP THREAD



PART NO.	SUPERSEAL OD	THREAD BSP
SM010812S	5/16	x 1/4

STRAIGHT ADAPTOR MFL THREAD



PART NO.	SUPERSEAL OD	THREAD MFL
SM0108F4S	5/16	x 1/4
SM0108F6S	5/16	x 3/8

Accessories for Superseal Fittings are shown on page 26.



for use with stainless steel tube

STRAIGHT CONNECTOR SUPERSEAL X SUPERSEAL



PART NO. SUPERSEAL
OD

SM410808E 5/16

ELBOW SUPERSEAL X SUPERSEAL



PART NO. SUPERSEAL SUPERSEAL
OD OD

SM400808S	5/16	-	5/16
SI401210S	3/8	-	5/16
SI401212S	3/8	-	3/8

FLOW BEND CONNECTOR SUPERSEAL X SPEEDFIT



PART NO. SUPERSEAL SPEEDFIT
OD OD

SM420808S	5/16	-	5/16
SI421012S	5/16	-	3/8
SI421210S	3/8	-	5/16
SI421212S	3/8	-	3/8

STRAIGHT CONNECTOR SUPERSEAL X SPEEDFIT



PART NO. SUPERSEAL SPEEDFIT
OD OD

SM040808S	5/16	-	5/16
SI041012S	5/16	-	3/8
SI041210S	3/8	-	5/16
SI041212S	3/8	-	3/8

ELBOW SUPERSEAL X SPEEDFIT



PART NO. SUPERSEAL SPEEDFIT
OD OD

SI030812S	1/4	-	3/8
SM030808S	5/16	-	5/16
SI031012S	5/16	-	3/8
SI031210S	3/8	-	5/16
SI031212S	3/8	-	3/8

BARB CONNECTOR



PART NO. SUPERSEAL TUBE
OD ID

SI270808S	1/4	-	1/4
SI271008S	5/16	-	1/4
SI271208S	3/8	-	1/4

SUPERSEAL SPANNER



PART NO.

SPAN1

METRIC SIZE

STRAIGHT CONNECTOR SUPERSEAL X SPEEDFIT



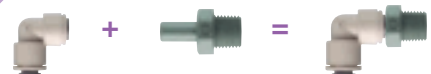
PART NO. SUPERSEAL SPEEDFIT
OD OD

SM040608E* 6mm - 8mm

* New

John Guest Adaptability

Standard **Super Speedfit** products can be coupled together to form integral new fittings.



Brass Fittings

Designed for use in coffee brewing equipment, dispensing and vending machine applications. The fittings are manufactured in brass with a polypropylene collet and a food grade EPDM 'O' ring.

Working Pressures and Temperatures

Water	10 Bar at 20°C
	4 Bar at 60°C
Minimum Temperature	1°C

Other technical information is shown on page 33.

for *beverage*
dispense applications

BRASS FEMALE CONNECTOR

FFL THREAD



PART NO.	TUBE OD	THREAD FFL
----------	------------	---------------

MI4508F4S	1/4	x 1/4
MI4512F4S	3/8	x 1/4
MI4512F6S	3/8	x 3/8

1/4 (FFL) corresponds to a 7/16 UNF
3/8 (FFL) corresponds to a 5/8 UNF



BRASS FEMALE CONNECTOR

GH THREAD



PART NO.	TUBE OD	THREAD GH
----------	------------	--------------

NC2098	1/4	x 3/4
--------	-----	-------

A stem elbow shown on page 08 will provide a neat 90° installation. The tube can be orientated in any direction.



Metric to Imperial Adaptors

STRAIGHT CONNECTOR



PART NO.	TUBE OD	TUBE OD
NC462	15mm	1/2"

STEM TO TUBE ADAPTOR



PART NO.	STEM OD	TUBE OD
NC2164	15mm	3/8"
NC2173	1/2"	15mm

TUBE TO HOSE CONNECTOR



PART NO.	STEM OD	HOSE ID
NC448	15mm	1/2"

STRAIGHT CONNECTOR



PART NO.	SUPERSEAL OD	SPEEDFIT OD
NC2301*	1/2"	15mm

* New

STEM TO HOSE CONNECTOR



PART NO.	STEM OD	HOSE ID
NC932	15mm	1/2"

ADAPTOR TEE



PART NO.	TUBE OD END	TUBE OD BRANCH
NC869	15mm	3/8"

STEM TO STEM ADAPTOR



PART NO.	STEM OD	STEM OD
NC478	15mm	3/8"

CM Fittings

for drinks and other potable liquids

CM range of metric size fittings are manufactured in acetal. With a food grade EPDM 'O' ring, they have been developed for the water industry but are equally suitable for other potable liquids. They are also recommended for intermittent hot water applications.

The CM Range is NOT suitable for compressed air and vacuum applications. For these situations we recommend the PI Range on pages 7 - 12 and the PM Range on Pages 21 - 24.

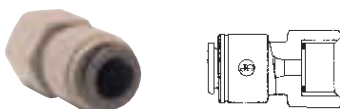
Working Pressures and Temperatures

Water 10 BAR at 20°C

7 BAR at 65°C intermittent hot water

Other technical information is shown on page 33.

FEMALE ADAPTOR BSP THREAD



PART NO.	TUBE OD	THREAD BSP
CM451213FS	12	x 3/8
CM451214FS	12	x 1/2

TAP ADAPTOR UNS THREAD



PART NO.	TUBE OD	THREAD UNS
CM3210U7E	10	x 7/16 - 24

TAP ADAPTOR BSP THREAD



PART NO.	TUBE OD	THREAD BSP
CM320616E*	6	x 3/4
CM321014E	10	x 1/2

* Available from 4th quarter of 2006

Black Acetal Fittings

The PM Range of metric size fittings is manufactured in black acetal copolymer with food grade nitrile 'O' rings. Being especially produced for foodstuff and potable liquids, they are equally suitable for air and inert gases and can therefore be used on N2/C^o2 (installed in accordance with the Brewers and Licensed Retailers Association code of practice) mixed gas dispense lines and pneumatic applications and vacuum.

Technical Information shown on page 33.



STRAIGHT ADAPTOR

BSP THREAD



PART NO.	TUBE OD	THREAD BSP
PM010411E	4 x	1/8
PM010412E	4 x	1/4
PM010511E	5 x	1/8
PM010512E	5 x	1/4
PM010611E	6 x	1/8
PM010612E	6 x	1/4
PM010811E	8 x	1/8
PM010812E	8 x	1/4
PM010813E	8 x	3/8
PM011012E	10 x	1/4
PM011013E	10 x	3/8
PM011014E	10 x	1/2
PM011213E	12 x	3/8
PM011214E	12 x	1/2
PM011514E	15 x	1/2
PM011516E *	15 x	3/4
PM011814E	18 x	1/2
PM012216E	22 x	3/4

* No thread seal

STRAIGHT ADAPTOR

BSPT THREAD



PART NO.	TUBE OD	THREAD BSPT
PM010401E	4 x	1/8
PM010402E	4 x	1/4
PM010501E	5 x	1/8
PM010502E	5 x	1/4
PM010601E	6 x	1/8
PM010602E	6 x	1/4
PM010801E	8 x	1/8
PM010802E	8 x	1/4
PM010803E	8 x	3/8
PM011002E	10 x	1/4
PM011003E	10 x	3/8
PM011004E	10 x	1/2
PM011203E	12 x	3/8
PM011204E	12 x	1/2

PART NO.	TUBE OD	THREAD NPTF
PM010622E	6 x	1/4

EQUAL STRAIGHT CONNECTOR



PART NO.	TUBE OD
PM0404E	4
PM0405E	5
PM0406E	6
PM0408E	8
PM0410E	10
PM0412E	12
PM0415E	15
PM0418E	18
PM0422E	22

REDUCING STRAIGHT CONNECTOR



PART NO.	TUBE OD	TUBE OD
PM200604E	6 -	4
PM200804E	8 -	4
PM200806E	8 -	6
PM201004E	10 -	4
PM201006E	10 -	6
PM201008E	10 -	8
PM201208E	12 -	8
PM201210E	12 -	10

EQUAL ELBOW



PART NO.	TUBE OD
PM0304E	4
PM0305E	5
PM0306E	6
PM0308E	8
PM0310E	10
PM0312E	12
PM0315E	15
PM0318E	18
PM0322E	22

REDUCING ELBOW CONNECTOR



PART NO.	TUBE OD	TUBE OD
PM210604E	6 -	4
PM210804E	8 -	4
PM210806E	8 -	6
PM211004E	10 -	4
PM211006E	10 -	6
PM211008E	10 -	8
PM211208E	12 -	8
PM211210E	12 -	10

STEM ELBOW



PART NO.	TUBE OD	STEM OD
PM220404E	4 -	4
PM220505E	5 -	5
PM220606E	6 -	6
PM220808E	8 -	8
PM221010E	10 -	10
PM221212E	12 -	12
PM221515E	15 -	15
PM221818E	18 -	18
PM222222E	22 -	22

RIGID ELBOW



PART NO.	TUBE OD	THREAD NPTF
PM480621E	6 x	1/8
PM480622E	6 x	1/4
PM480623E	6 x	3/8

for liquids & inert gases

SWIVEL ELBOW

BSP THREAD



PART NO.	STEM OD	THREAD BSP
PM090411E	4 x	1/8
PM090412E	4 x	1/4
PM090511E	5 x	1/8
PM090512E	5 x	1/4
PM090611E	6 x	1/8
PM090612E	6 x	1/4
PM090811E	8 x	1/8
PM090812E	8 x	1/4
PM090813E	8 x	3/8
PM091012E	10 x	1/4
PM091013E	10 x	3/8
PM091014E	10 x	1/2
PM091213E	12 x	3/8
PM091214E	12 x	1/2

REDUCING TEE



PART NO.	TUBE OD ENDS	TUBE OD BRANCH
PM3018AE	18	15
PM3022AE	22	15

SWIVEL MALE RUN TEE

BSP THREAD



PART NO.	TUBE OD	THREAD BSP
PM110411E	4 x	1/8
PM110412E	4 x	1/4
PM110511E	5 x	1/8
PM110512E	5 x	1/4
PM110611E	6 x	1/8
PM110612E	6 x	1/4
PM110811E	8 x	1/8
PM110812E	8 x	1/4
PM110813E	8 x	3/8
PM111012E	10 x	1/4
PM111013E	10 x	3/8
PM111014E	10 x	1/2
PM111213E	12 x	3/8
PM111214E	12 x	1/2

SWIVEL ELBOW

BSPT THREAD



PART NO.	TUBE OD	THREAD BSPT
PM090401E	4 x	1/8
PM090402E	4 x	1/4
PM090501E	5 x	1/8
PM090502E	5 x	1/4
PM090601E	6 x	1/8
PM090602E	6 x	1/4
PM090801E	8 x	1/8
PM090802E	8 x	1/4
PM090803E	8 x	3/8
PM091002E	10 x	1/4
PM091003E	10 x	3/8
PM091004E	10 x	1/2
PM091203E	12 x	3/8
PM091204E	12 x	1/2

SWIVEL TEE

CENTRE LEG BSP THREAD



PART NO.	TUBE OD	THREAD BSP
PM100411E	4 x	1/8
PM100412E	4 x	1/4
PM100511E	5 x	1/8
PM100512E	5 x	1/4
PM100611E	6 x	1/8
PM100612E	6 x	1/4
PM100811E	8 x	1/8
PM100812E	8 x	1/4
PM100813E	8 x	3/8
PM101012E	10 x	1/4
PM101013E	10 x	3/8
PM101014E	10 x	1/2
PM101213E	12 x	3/8
PM101214E	12 x	1/2

SWIVEL MALE RUN TEE

BSPT THREAD



PART NO.	TUBE OD	THREAD BSPT
PM110401E	4 x	1/8
PM110402E	4 x	1/4
PM110501E	5 x	1/8
PM110502E	5 x	1/4
PM110601E	6 x	1/8
PM110602E	6 x	1/4
PM110801E	8 x	1/8
PM110802E	8 x	1/4
PM110803E	8 x	3/8
PM111002E	10 x	1/4
PM111003E	10 x	3/8
PM111004E	10 x	1/2
PM111203E	12 x	3/8
PM111204E	12 x	1/2

SWIVEL TEE

CENTRE LEG BSPT THREAD



PART NO.	TUBE OD	THREAD BSPT
PM100401E	4 x	1/8
PM100402E	4 x	1/4
PM100501E	5 x	1/8
PM100502E	5 x	1/4
PM100601E	6 x	1/8
PM100602E	6 x	1/4
PM100801E	8 x	1/8
PM100802E	8 x	1/4
PM100803E	8 x	3/8
PM101002E	10 x	1/4
PM101003E	10 x	3/8
PM101004E	10 x	1/2
PM101203E	12 x	3/8
PM101204E	12 x	1/2

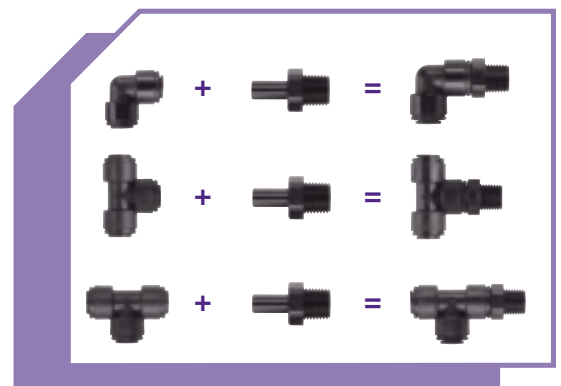
EQUAL TEE



PART NO.	TUBE OD
PM0204E	4
PM0205E	5
PM0206E	6
PM0208E	8
PM0210E	10
PM0212E	12
PM0215E	15
PM0218E	18
PM0222E	22

John Guest Adaptability

Standard **Super Speedfit** products can be coupled together to form integral new fittings.



BULKHEAD CONNECTOR



PART NO.	TUBE OD
PM1204E	4
PM1205E	5
PM1206E	6
PM1208E	8
PM1210E	10
PM1212E	12

ENLARGER



PART NO.	TUBE OD	STEM OD
PM130405E	5	x 4

STEM ADAPTOR

BSPT THREAD



PART NO.	STEM OD	THREAD BSPT
PM050401E	4	x 1/8
PM050402E	4	x 1/4
PM050501E	5	x 1/8
PM050502E	5	x 1/4
PM050601E	6	x 1/8
PM050602E	6	x 1/4
PM050801E	8	x 1/8
PM050802E	8	x 1/4
PM050803E	8	x 3/8
PM051002E	10	x 1/4
PM051003E	10	x 3/8
PM051004E	10	x 1/2
PM051203E	12	x 3/8
PM051204E	12	x 1/2

REDUCER



PART NO.	STEM OD	TUBE OD
PM060504E	5	- 4
PM060604E	6	- 4
PM060605E	6	- 5
PM060804E	8	- 4
PM060805E	8	- 5
PM060806E	8	- 6
PM061006E	10	- 6
PM061008E	10	- 8
PM061208E	12	- 8
PM061210E	12	- 10
PM061510E	15	- 10
PM061512E	15	- 12
PM061815E	18	- 15
PM062215E	22	- 15
PM062218E	22	- 18

STEM ADAPTOR

BSP THREAD



PART NO.	STEM OD	THREAD BSP
PM050411E	4	x 1/8
PM050412E	4	x 1/4
PM050511E	5	x 1/8
PM050512E	5	x 1/4
PM050611E	6	x 1/8
PM050612E	6	x 1/4
PM050811E	8	x 1/8
PM050812E	8	x 1/4
PM050813E	8	x 3/8
PM051012E	10	x 1/4
PM051013E	10	x 3/8
PM051014E	10	x 1/2
PM051213E	12	x 3/8
PM051214E	12	x 1/2
PM051513E	15	x 3/8
PM051514E	15	x 1/2
PM051814E	18	x 1/2
PM052214E	22	x 1/2
PM052216E	22	x 3/4

TWO-WAY DIVIDER



PART NO.	TUBE OD
PM2304E	4
PM2308E	8
PM2310E	10

PLUG



PART NO.	STEM OD
PM0804R	4
PM0805R	5
PM0806R	6
PM0808R	8
PM0810R	10
PM0812R	12
PM0815E	15
PM0818E	18
PM0822E	22

4mm - 12mm sizes in red
 15mm - 22mm sizes in black
 8mm size also available in black Part No. PM0808E

END STOP



PART NO.	TUBE OD
PM4612E*	12
PM4615E	15
PM4622E	22

*New

OFFSET CONNECTOR



PART NO.	TUBE OD	TUBE OD
NC657	12	8

TUBE TO HOSE STEM



PART NO.	STEM OD	HOSE ID
PM250604E	6	4
PM250806E	8	6
PM251008E	10	8

FEMALE ADAPTOR



PART NO.	TUBE OD	THREAD
PM450411E*	4	x 1/8 BSP
PM450611E	6	x 1/8 BSP
PM450612E*	6	x 1/4 BSP
PM450812E	8	x 1/4 BSP
PM451015FE*	10	x 5/8 BSP
PM4508F4S	8	x 7/16X20UNF
PM4508C5S	8	x 1/2-16UNS

* With thread seals.
 Other sizes no seal.

U-BEND



PART NO.	TUBE OD
PMUB15E	15

Accessories for PM Fittings are shown on page 26.



White Polypropylene Fittings

The PPM Range of metric size push-in fittings is produced in white polypropylene and fitted with EPDM seals.

Polypropylene has the advantage of being more chemically resistant than acetal.

Working Pressures and Temperatures

Water 10 BAR at 20°C
4 BAR at 60°C intermittent hot water

Minimum Temperature 1°C

Other technical information is shown on page 33.



EQUAL STRAIGHT CONNECTOR



PART NO.	TUBE OD
PPM0408W	8
PPM0412W	12

EQUAL ELBOW



PART NO.	TUBE OD
PPM0308W	8
PPM0312W	12

EQUAL TEE



PART NO.	TUBE OD
PPM0208W	8
PPM0212W	12

REDUCING STRAIGHT CONNECTOR



PART NO.	TUBE OD	TUBE OD
PPM201512W	15	12

STEM ELBOW



PART NO.	STEM OD	TUBE OD
PPM220808W	8	8
PPM221212W	12	12

REDUCER



PART NO.	STEM OD	TUBE OD
PPM061512W	15	12

PLUG



PART NO.	STEM OD
PPM0808W	8

DIVIDER



PART NO.	TUBE OD
PPM2312W*	12

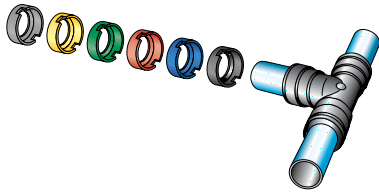
* New

Adaptors to convert to Imperial sizes are shown on page 20.



Accessories

COLLET COVERS



The slip-on Collet Cover shown in the illustration prevents accidental removal or tampering with tubing. Tubing can be inserted with the Collet Cover already attached to the fittings or the cover can slide into position afterwards. The cover is easily removed when required and comes in a variety of colours for colour coding.

Colours available - Suffix indicates colours
 E = Black Y = Yellow B = Blue
 R = Red S = Grey G = Green

INCH SIZE

PART NO.	TUBE OD
PM1904S	5/32
PI1906S	3/16
PI1908S	1/4
PM1908S	5/16
PI1912S	3/8
PI1916S	1/2

Please indicate by suffix, colour required or grey will be supplied.

METRIC SIZE

PART NO.	TUBE OD
PM1904E	4
PM1905E	5
PM1906E	6
PM1908E	8
PM1910E	10
PM1912E	12
PM1915E	15
PM1918E	18
PM1922E	22

15mm to 22mm sizes available in black as standard, white red or blue

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

FLOW BEND CLIP



PART NO.	TUBE OD
PM2608S	8mm/5/16
PM2610S	10mm/3/8

Designed to support tube and eliminate kinking.

TUBE INSERT



PART NO.	TUBE ID
TSI250S	1/4
TSI312S	5/16
TSI375S	3/8

COLLET LOCKING TOOL



PART NO.	SIZE
ICLT/2	3/16 to 1/2

TUBE CUTTER



PART NO.	PART NO.
TS NIP	BLADES

Suitable for up to 12mm tube.

PIPE CUTTER



PART NO.
JG-TS

Suitable for up to 22mm tube.

LOCKING CLIP



PART NO.	TUBE OD
PIC1808R	1/4
PMC1808R	5/16
PIC1812R	3/8
PIC1816R	1/2
INCH SIZE	
METRIC SIZE	
PMC1815R	15mm



Secures the collet in its position to prevent an accidental disconnection of the tube.

Check Valves & Service Valves

Single Check Valves

Produced at the request of leading companies in the Drinks Dispense Industry, the Super Speedfit acetal Single Check Valve ensures protection against reversal of flow.

The low headloss design and fast installation time makes the valve the ideal selection. The valve is designed for use with liquids, it is not suitable for air and vacuum applications.

Working Pressures and Temperatures

10 Bar at 20°C
 7 Bar at 65°C intermittent hot water
 Minimum Temperature 1°C
 Typical 'crack open' pressure 0.02 Bar

Technical information other than working pressures and temperatures shown on page 33.



SINGLE CHECK VALVE



PART NO.	TUBE OD
1/4SCV	1/4"
5/16SCV	5/16"
3/8SCV	3/8"

SINGLE CHECK VALVE



PART NO.	TUBE OD
6SCV	6mm
10SCV	10mm
12SCV	12mm

- Valves with low fixed cracking pressure (i.e 10cm water column), that have not been activated for some time may take several seconds to re-seal.
- It is the responsibility of the end user to verify that the product is suitable for his specific application.
- It is also recommended that the non-return valve is regularly checked and maintained.



Accessories are shown on page 26.



Double Check Valve

Double Check Valves ensure the prevention of contamination arising from back syphonage, back flow and cross connection.

A spring loaded internal check valve is sited either side of the test cock and an arrow identifies the direction of flow. The low headloss design and fast installation time makes this unit the ideal selection. The valve can be mounted in any position.

The valve can also be used for domestic hot and cold water supplies.

Working Pressures and Temperatures

10 Bar at 20°C
7 Bar at 65°C intermittent hot water

Technical information other than working pressures and temperatures shown on page 33.

DOUBLE CHECK VALVE



PART NO.	TUBE OD
----------	---------

15DCV	15mm
-------	------

For use with liquids only

Service Valves

Speedfit Service Valves are ideally suited to provide a temporary shut-off facility in a drinks dispense situation.

The valve consists of a ball mechanism operated by means of a screwdriver slot

Push in connections make for a fast installation time, especially in confined spaces.

The valves can also be used for domestic hot and cold water supplies.

Working Pressures and Temperatures

10 Bar at 20°C
7 Bar at 65°C intermittent hot water

Technical information other than working pressures and temperatures shown on page 33.

SERVICE VALVE



PART NO.	TUBE OD
----------	---------

15ISV	15mm
-------	------

For use with liquids only

SERVICE VALVE



PART NO.	TUBE OD
----------	---------

1/2ISV	1/2"
--------	------

For use with liquids only



Polypropylene Shut-Off Valve

The PP Range of shut-off valves is produced in polypropylene and fitted with EPDM seals. Polypropylene has the advantage of being more chemically resistant than acetal.

The valves are for use with potable water. For use with other potable liquids please refer to our Customer Services Department for guidance.

The valves are not to be used with compressed air, explosive gases, petroleum spirits and other fuels or for heating systems.

Working Pressures and Temperatures

Water	10 Bar at 20°C
	4 Bar at 60°C
Minimum Temperature	1°C

Technical information other than working pressures and temperatures shown on page 33.



White polypropylene

for Potable Water

SPEEDFIT TO SPEEDFIT



PART NO.	TUBE OD
----------	---------

PPSV040808W	1/4
PPSV041212W	3/8

PPMSV040606W	6mm
PPMSV041010W	10mm

SPEEDFIT TO MALE

NPTF



PART NO.	TUBE OD	THREAD NPTF
----------	---------	-------------

PPSV010822W	1/4	1/4
PPSV011223W	3/8	3/8

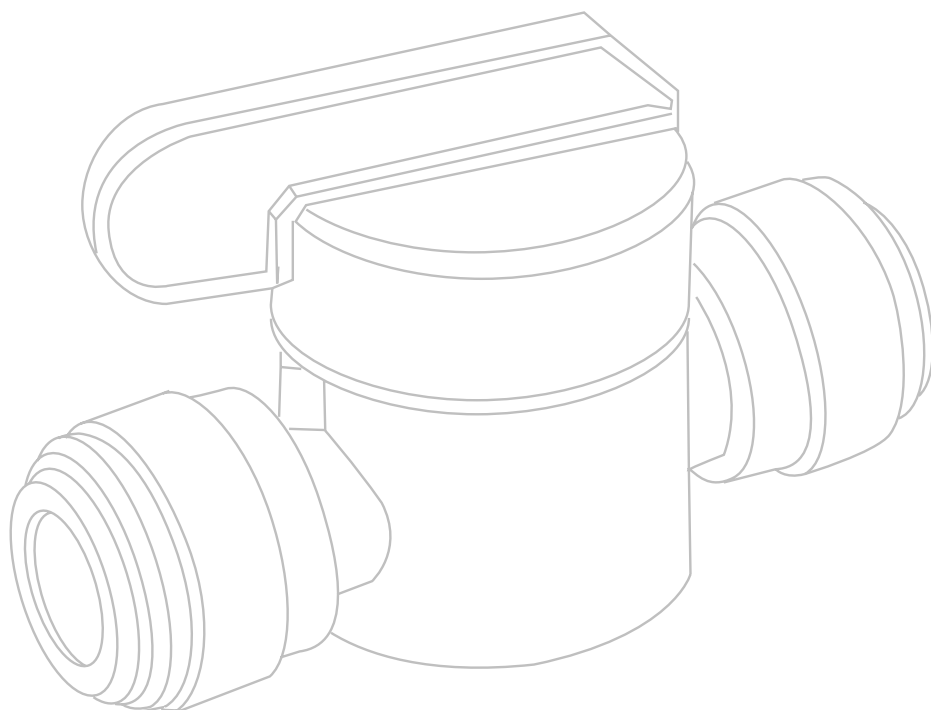
SPEEDFIT TO FEMALE

NPTF



PART NO.	TUBE OD	THREAD NPTF
----------	---------	-------------

PPSV500822W	1/4	1/4
PPSV501222W	3/8	1/4



Accessories are shown on page 26.



Acetal Shut-Off Valve

John Guest acetal shut-off valves have a brand new full bore mechanism and are especially designed for the Brewing and Soft Drinks Industries and for potable water.

They are also suitable for air and inert gases such as N₂/CO₂.

The range includes valves with short and long handles to operate a 1/4 turn on off action.

The valves are available with or without mounting clip.

For cleaning and sanitising please refer to the Technical Specification on Page 33.

Working Temperatures & Pressures

Air	-20°C	10 bar
Air / Potable Liquids	+1°C	10 bar
	+23°C	10 bar
	+65°C	7 bar



Can also be used with N₂/CO₂ to a maximum temperature of 50°C. When being used with N₂/CO₂, the valve should be installed in accordance with The British Beer and Pub Association Code of Practice.

Grey acetal for liquids & inert gases

SHUT OFF VALVE SHORT HANDLE



PART NO.	TUBE OD
----------	---------

PISV0412CS	3/8
------------	-----

SHUT OFF VALVE LONG HANDLE



PART NO.	TUBE OD
----------	---------

PISV0412S	3/8
PISV0416S	1/2

MOUNTING CLIP



PART NO.

SVMC-06	For 6mm and 1/4"
SVMC-10	For 10mm and 3/8"

The mounting clip is designed to give a very firm grip. A twisting action is needed to remove the valve. The clip can be used with either shut off valve. When used with the short handle version, valves can be banked together.

SHUT OFF VALVE SHORT HANDLE WITH MOUNTING CLIP



PART NO.	TUBE OD
----------	---------

PISV04KIT-SH	3/8
--------------	-----

SHUT OFF VALVE LONG HANDLE WITH MOUNTING CLIP



PART NO.	TUBE OD
----------	---------

PISV04KIT	3/8
-----------	-----



LLDPE Tubing

The John Guest PE Range of plastic tubing is produced in Linear Low Density Polyethylene for cold and intermittent hot water applications.

Our tubing provides the benefits of a wide range of temperature and pressure suitability, broad chemical compatibility and is made from non contaminating materials. Common applications are in water purification, water conditioners, ice makers and misting systems. LLDPE is more robust than traditional low or medium density polyethylene and is recommended for use with cold and intermittent hot water. Our tubing is made from FDA approved materials and is NSF International certified.

John Guest Polyethylene tubing is designed for use with John Guest Super Speedfit push-in fittings, John Guest Shut-Off Valves and virtually all standard tubing connectors.

Sizes Available

PART NO.	OD	ID	COIL LENGTH	MINI BEND RADII
PE-08-BI-0500F-N	1/4"(0.250")	0.170"	500 FT	1.00"
PE-08-BI-1000F-N	1/4"(0.250")	0.170"	1000FT	1.00"
PE-10-CI-0500F-N	5/16"(0.312")	0.187"	500 FT	1.13"
PE-12-EI-0500F-N	3/8"(0.375")	0.250"	500 FT	1.25"
PE-16-GI-0250F-N	1/2"(0.500")	0.375"	250 FT	2.50"
PE-04025-0100M-N	4mm	2.5mm	100m	25mm
PE-0604-0100M-N	6mm	4mm	100m	25mm
PE-0806-0100M-N	8mm	6mm	100m	30mm
PE-1007-100M-N	10mm	7mm	100m	32mm
PE-1209-100M-N	12mm	9mm	100m	63mm
PE-15115-0100M	15mm	11.5mm	100m	100mm

N denotes natural colour. To request other colours please refer to table below. Popular items are now generally in stock and are available in minimum quantities of 2 coils. Other items may be subject to longer lead times and are available in minimum quantities of 50 coils.

Standard Colours Available

SUFFIX

N NATURAL B BLUE E BLACK R RED W WHITE



Other special colours available on request:-

Orange (O)
Green (G)
Violet (V)
Yellow (Y)

15mm size only available in Blue, Red and Green.

8mm size only available in Natural, Blue, Black, Red and White.
For other colours we suggest you use 5/16".

Working Temperatures and Pressures - LLDPE

TUBE OD		TUBE ID	
1/4"	x	0.170"	230 psi @70°F 15 bar @20°C
5/16"	x	0.187"	
3/8"	x	0.25"	120 psi @150°F 8 bar @ 65°C
4mm	x	2.5mm	
6mm	x	4mm	
1/2"	x	0.375"	150 psi @70°F 10 bar @20°C
8mm	x	6mm	
10mm	x	7mm	90 psi @150°F 6 bar @65°C
12mm	x	9mm	
15mm	x	11.5mm	

1 Bar = 14.5 psi (approx.)

Maximum Working Temperature 150°F at pressures shown in chart above.

For temperatures above 150°F customers should refer to our Technical Help Desk.

Please note maximum pressure rating for a 'system' depends on the lowest rated component, eg. most John Guest fittings have a different rating from the tube ratings shown above.

Burst Pressures are approximately 3 times the maximum working pressure.

WRAS
APPROVED
PRODUCT



NSF 51
NSF 61

Pneumatics Applications

John Guest LLDPE tube is suitable for pneumatic applications providing pressure is maximum 10 bar @ 20°C (150psi @ 70°F). At elevated temperatures(50°C+) mineral oil will degrade LLDPE tube and, therefore, LLDPE tube used in pneumatic circuits should be periodically checked and replaced if necessary.

Tube inserts

If the tube is used in a warm water system a tube insert is necessary.



PART NO.	TUBE OD
TSM10N	10
TSM1209S	12
TSM15N	15

Chemical Resistance

For use of LLDPE with chemicals or potentially aggressive liquids, please refer to our Technical Service Department.

NOTE: When using cleaning agents or other potentially aggressive liquids, please ensure compatibility with tubing and fittings. LLDPE is not recommended for mineral oils, gases and fuels or high pressure compressed air / pneumatic systems.

Tube Tolerances

1/4" to 1/2"	+0.001/-0.004"
4mm to 6mm	+0.05/-0.07mm
8mm to 12mm	+0.05/-0.10mm
15mm	+0.10/-0.10mm

Technical Specification

Working Pressure and Temperature Range

Super Speedfit fittings are suitable for the following pressures and temperatures.

Temp.	Pressure	
	5/32" - 5/16" 4mm - 8mm	3/8" - 1/2" 10mm - 22mm
Air		
- 20°C	16 Bar	10 Bar
Potable Liquids and Air		
+1°C	16 Bar	10 Bar
+23°C	16 Bar	10 Bar
+70°C	10 Bar	7 Bar

Also suitable for vacuum

Depending on the tube used, under certain conditions fittings may be used at higher pressures and temperatures. Please refer to our Customer Services Department for guidance. Note 1 Bar = 14.5 PSIG.

Tube Types

Plastic Tube - Polyethylene, nylon and polyurethane conforming to the tolerances shown below. For soft tubing or thin wall tube we recommend the use of tube inserts.

Braided Tube - Use of Tube to Hose Stems listed on pages 5 and 12 is essential when using tube. Use of clamps to retain braided tube on barbs is recommended.

Metal Tube (soft) - Brass, copper or mild steel conforming to the tolerances below.

Metal Tube (hard) - We do not recommend Super Speedfit fittings for hard metal or chromium plated tubes.

For stainless steel and other polished metal tubes we recommend the use of Superseal fittings. These are shown on page 9 of this brochure.

It is essential that outside diameters be free from score marks and that the tube be deburred before inserting the fitting.

Tube Tolerances

Super Speedfit fittings are offered for tubes with outside diameters to the following tolerances.

Size (inches)	5/32 - 3/16	1/4 - 1/2
Tolerance (inches)	+0.001 / -0.003	+0.001 / -0.004
Size (mm)	4mm - 5mm	6mm - 22mm
Tolerance (mm)	+0.05 / -0.07	+0.05 / -0.10

Installation and System Testing

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

All tube and fittings installations must be pressure tested after installation to ensure system integrity before handing over to the final user. See also "How to make a connection".

Chemicals

For use with chemicals or other potentially aggressive liquids, please refer to our Customer Services Department.

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

Collet Covers

Are available as additional security against removal of the tube or to provide a simple means of colour coding. The cover is offered in a range of six colours. Please see page 26 of this brochure.

Food Quality

All the fittings in the brochure are produced in Food and Drug Administration (FDA) approved materials and are therefore recommended for food quality applications.

Maximum Torque Values for Plastic Threads BSP, BSPT & NPT.

Do not overtighten plastic threaded fittings as this could cause undue stress and eventual failure. Maximum recommended torque figures are shown below.

	Threads		
	1/8 - 1/4	3/8 - 1/2	3/4
Max. Torque	1.5Nm	3.0Nm	4.0Nm

John Guest recommend OEM customers to consider replacing threaded ports with the more modern Cartridge Systems.

It is recommended that all installations are checked prior to use to determine that a seal has been made.

The maximum torque figures quoted for use with Speedfit fittings are dependent on the mating thread conforming to the relevant British or International thread standard.

Maintenance and Replacement Intervals

John Guest products generally require little maintenance but as a minimum we recommend routine visual inspection. Frequency of visual inspection will depend on severity of application and risk of failure. If after visual inspection John Guest products appear damaged, cracked, charred, discoloured, heat distorted or corroded they should be replaced. Any product that is or appears to be leaking should be replaced.

Product life is affected by the severity of the application, the hostility of the working environment and contact with aggressive chemicals or liquids. It is therefore important that specific replacement intervals be considered by specifiers/users/customers based on previous service life or when failure could result in unacceptable downtime, damage or injury risk.

Cleaners and Sanitising of Acetal Fittings

Our advice to customers is to use cleaners and sanitising agents that are above pH4 and low in hypochlorite level. Acetal fittings and parts that are cleaned and/or sanitised should be rinsed immediately with copious amounts of clean tap water to remove all traces of the cleaners. Details of which products are made from acetal are shown in our catalogues but generally John Guest products incorporating acetal are designated by the part number prefix PI, PM, CI, CM and RM. Polypropylene fittings offer greater resistance to aggressive chemicals than acetal fittings. Polypropylene does not have the same mechanical properties as acetal and John Guest polypropylene fittings are generally designated by the part number prefix PP or PPM. Our material suppliers recommend ECOLAB Oasis 133 as a suitable external cleaner for acetal products manufactured by John Guest.

Warranty

Whilst we give a warranty against defects in manufacture or materials, it is the responsibility of the specifier to ensure that fittings and related products are suitable for their application. The installation must be carried out correctly in accordance with our recommendations, complying with recognised codes of practice and relevant national standards, and be properly maintained. Please refer to our terms and conditions of sale.

Other Products from John Guest

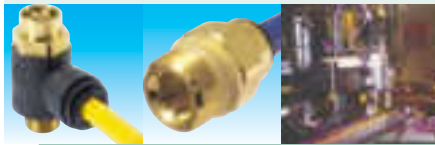
Plumbing and Heating and Underfloor Heating

A push fit system of fittings and pipe for hot and cold water, central heating and underfloor heating. Products are WRAS Listed and Kitemarked to BS7291.



Pneumatics

Push in fittings in 3mm to 12mm sizes. Selected items have Super Thread, an integral thread seal suitable for connection to 5 different thread forms.



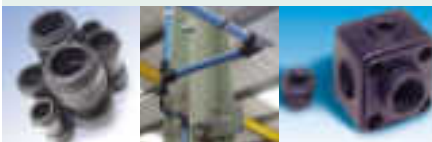
Blown Fibre Products

Connectors specially designed and produced for blown fibre applications.



Compressed Air Systems

A push fit system of fittings and pipe which means a compressed air system can be installed quickly and easily with much reduced production down time. Especially suitable for food quality environments.



Automotive

Push in fittings for a wide variety of situations on fuel, brake, vacuum and air conditioning systems.



Cartridge Systems

A simple cost effective way of incorporating a push in tube connection in a wide variety of metal or plastic housing materials.



John Guest International Limited



John Guest Limited

John Guest Speedfit Limited

John Guest Automotive Limited

John Guest Engineering Limited

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John Guest Pacific Ltd

Unit: 6, 33 Nyrang Street, Lidcombe, Sydney
N.S.W. 2141, AUSTRALIA.
Tel: (00 61) (2) 9737 9088 Fax: (00 61) (2) 9737 9122

Product Selection and Installation

John Guest fittings and related products are specifically designed and manufactured by John Guest to the Technical Specifications set out in the John Guest Product Catalogues. All John Guest fittings and related products should be selected, installed, used and maintained in accordance with these Technical Specifications. It is the customer's / user's responsibility to ensure that John Guest fittings and related products are suitable for their intended applications, and are properly installed and maintained and are used in accordance with the Technical Specifications. It is also the customer's / user's responsibility to provide it's customers with any relevant technical information about John Guest products it supplies them.

The company has a policy of continuous research and development and reserves the right to amend without notice the specification and design of all products illustrated in this catalogue. John Guest reserve the right to change the colour and shape of products. Photographs are for illustration purposes only.

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