



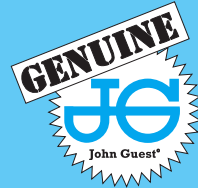
**John Guest USA Inc.**  
 10 Bloomfield A ve., P.O. Box 625,  
 Pine Brook, New Jersey 07058 0625, U.S.A.  
 Toll Free: 1-800-94 JG USA  
 Toll Free Fax: 1-877-77 JG FAX  
 Tel: 1-973 808 5600 Fax: 1-973 808 5036  
 www.johnguest.com  
 info@jgusa.com



# JG John Guest®

## Marine Plumbing Catalog

THE SPEEDFIT PUSH-IN SOLUTION  
 FOR MARINE PLUMBING SYSTEMS



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 catalog. John Guest reserve the right to change the color and shape of products. Photographs are for illustration purposes only. Subject to our Terms and Conditions of Sale listed on page 10.

AVAILABLE FROM:

JG John Guest® and JG Speedfit® are registered trademarks of John Guest International Limited © Copyright 2005.

JG John Guest USA Inc.  
 JANUARY 2005

**INNOVATION FROM A WORLD LEADER**

As the world's largest manufacturer of push-in pipe fittings, John Guest has been pioneering revolutionary plastics manufacturing technologies since the early 1970s.

Over the past 30 years, the company has established a worldwide reputation for product quality and service. With its precision engineering background and highly trained specialist workforce, John Guest is uniquely placed to manufacture to the most stringent international standards - and its long-standing commitment to product innovation and development has resulted in a comprehensive range of award winning fittings with substantial benefits for specifier, installer and end user alike.

With production currently running at more than 130 million units a year, the success of the JG Speedfit system proves the value of these benefits in practice. In addition to plumbing applications, John Guest fittings are specified as original equipment by many leading building products manufacturers and used extensively by market leaders in the automotive, compressed air and brewing industries.

Quality components depend on quality machines and highly skilled operators. John Guest has all three in abundance. A policy of continuous re-investment in leading edge technologies has equipped the company with an advanced large-scale manufacturing capability which incorporates highly sophisticated process controls.

Right from the start, the company's philosophy has been to employ the most able people and to give them the best possible training. There are 1000 staff at the manufacturing centers in the United Kingdom near Heathrow Airport and at Maidenhead in Berkshire. Another 200 people are based on John Guest companies in USA, Korea, Germany, France, Spain, Italy, New Zealand, and Australia.



**FOCUS ON RESEARCH AND DEVELOPMENT**

As befits a company committed to innovation, more than 10% of the John Guest workforce is directly in research and product development.

In addition to on-site resources which include the latest CAD/CAM technologies, extensive development work on a variety of projects is carried out in close conjunction with United Kingdom and internationally renowned universities.



**EXCELLENCE IN MANUFACTURING**

With millions invested in new plant and equipment over recent years, John Guest's manufacturing center is one of the largest and best equipped of its kind in the world. High capacity injection molding machines and assembly equipment are supported by an in-house toolroom staffed by a highly trained team of qualified toolmakers.



**ASSURED QUALITY**

Every aspect of the company's operation is characterized by the pursuit of total quality. Zero defect process controls are built into all design and manufacturing assembly processes to achieve optimum standards of long term product reliability.



John Guest has been a BS EN ISO 9001 Registered Company since 1989 and has received awards and approvals for quality manufacture from many leading international companies and approvals organizations.

**THE PUSH-IN SOLUTION FOR MARINE PLUMBING SYSTEMS**

John Guest plumbing push-in fittings and pipe have been designed for the plumbing of hot and cold water service. Whether your application is for fresh water, raw water, gray water, or potable water; John Guest push-in fittings and pipe meet the high demands of the Marine Market.

**STANDARDS AND AFFILIATIONS**



John Guest quality systems have been approved by the BSI to EN ISO 9001.



The Speedfit System is approved by the Water Regulations Advisory Scheme.

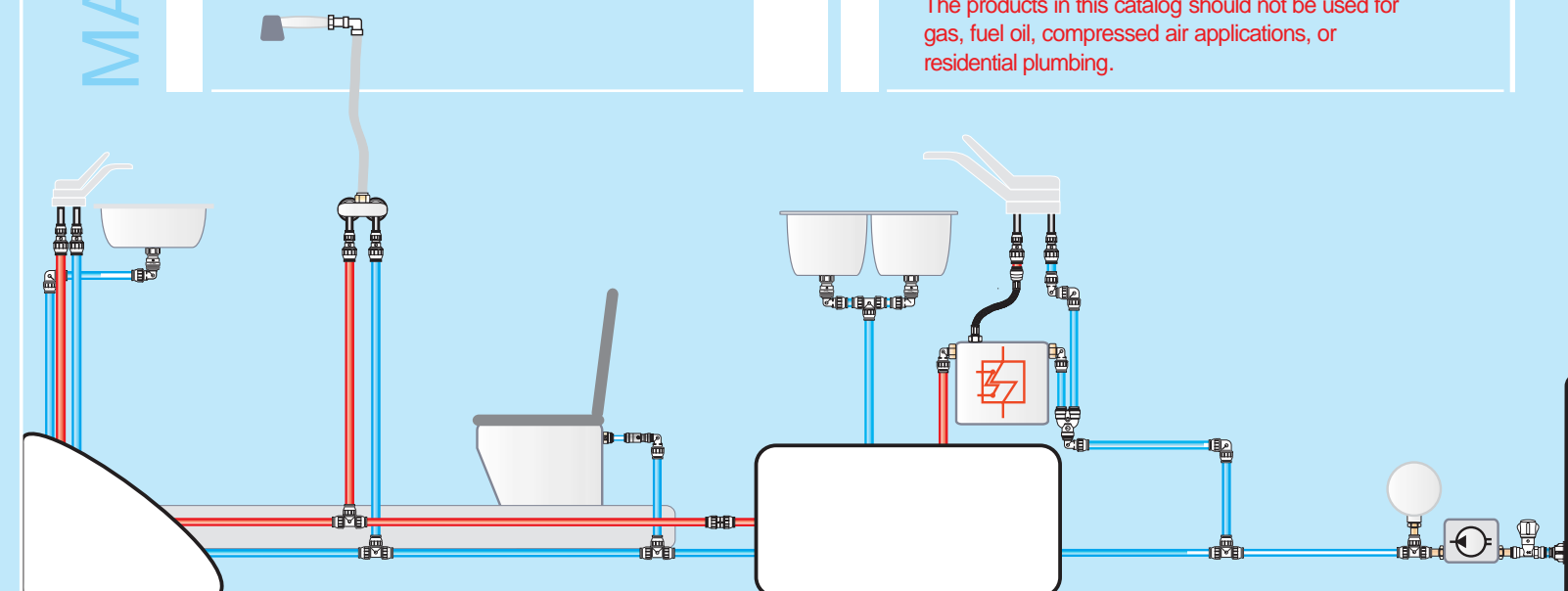


Speedfit Fittings have NSF Standard 61 certification for Drinking Water System Components and materials which contact drinking water.



The Genuine JG symbol represents our commitment to our customers, and what the John Guest name means to business: Quality, Reliability, and Support.

MARINE PLUMBING SYSTEMS



**WITH JOHN GUEST PLUMBING PRODUCTS YOU CAN EXPECT:**

- Reductions in time and labor costs
- No tools required
- Efficient, quick connections (even in tight working spaces)
- Quick disconnections; can be used many times
- Suitable for Speedfit PEX pipe, copper pipe and other good quality plastic pipes.
- No clamps or compression nuts to loosen due to vibration
- No sweating required
- Lightweight and easy to handle
- Use with hot or cold water
- Superior flow characteristics
- Lead free and non toxic

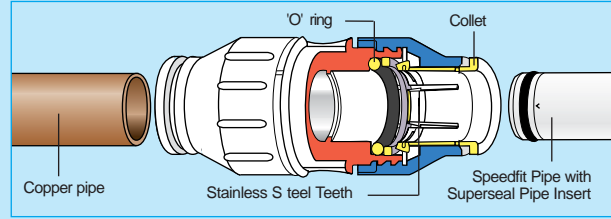
John Guest plumbing products should be installed to conform with good plumbing practice.

The products in this catalog should not be used for gas, fuel oil, compressed air applications, or residential plumbing.

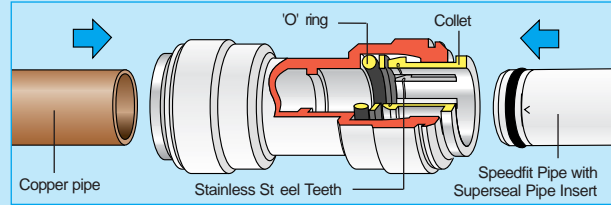
## MAKING A GOOD CONNECTION

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

### NEW TWIST AND LOCK FITTINGS



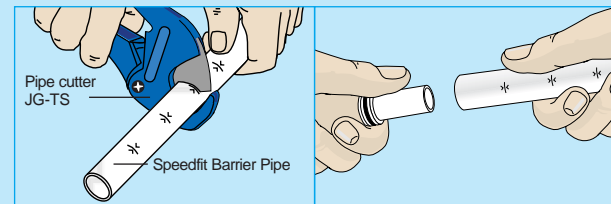
### STANDARD FITTINGS



Standard Speedfit Fittings have a collet with stainless steel teeth to grip the pipe and an 'O' ring to provide a permanent leakproof seal.

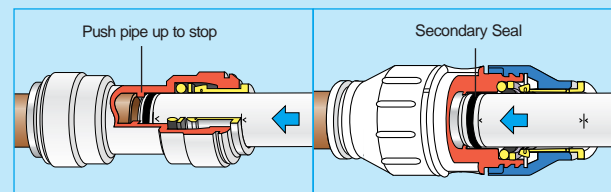
The additional benefit of Twist and Lock Fittings is that a twist of a screwcap locks the pipe in position and gives greater compression on the 'O' ring for even greater security.

### PREPARE THE PIPE



Ensure the pipe is free of score marks. Cut the pipe square. When using Speedfit Barrier Pipe cut along an insertion mark. We recommend the use of JG Pipe Cutters.

To prevent damage to the 'O' ring remove all burrs and sharp edges. When connecting Speedfit Pipe use a Superseal Pipe Insert. The insert should only be used with Speedfit Pipe.

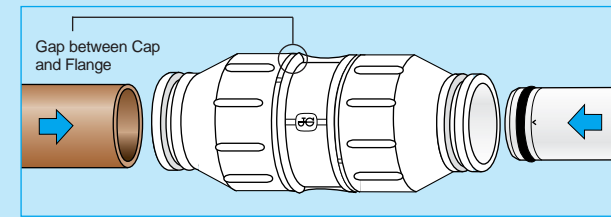


An 'O' ring on the head of the insert and the shape of the stem, provide a secondary seal against the bore of the fitting. A combination of this and the main 'O' ring ensure a good connection.

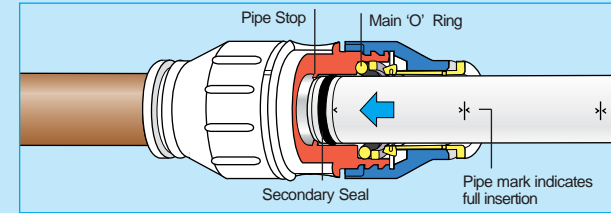
The stem of the insert gives greater rigidity of the length of pipe within the fitting, reducing the chance of leaks if a side load is applied.

The head of the insert has been designed for ease of insertion.

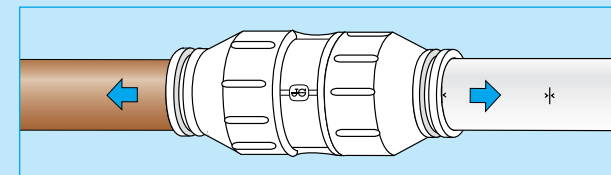
### NEW TWIST AND LOCK FITTINGS



The fitting should be in the 'unlocked' position, this is shown by a small gap between the screwcap and the body flange.



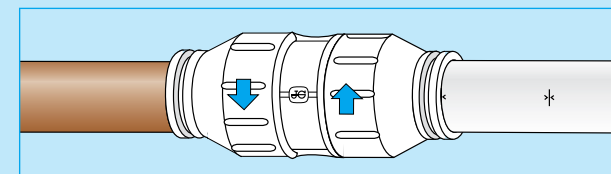
Push the pipe into the fitting, up to the pipe stop. If the Speedfit Pipe has been cut correctly the insertion mark on the pipe will be level with the collet head. The 'O' ring on the Superseal Pipe Insert provides a secondary seal against the bore of the fitting. A good connection has been made.



If you are not using collet clips, ensure that the screwcaps are in the locked position.

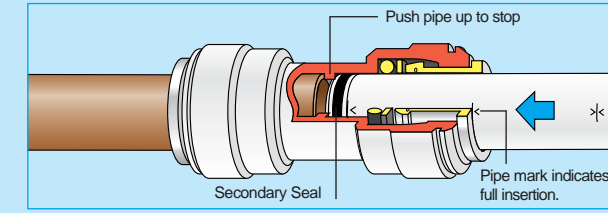
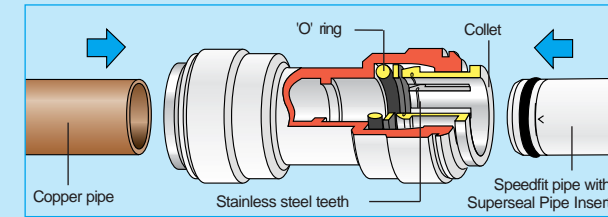
Pull to check it is secure. It is good practice to test the system prior to leaving the site or before use. Our recommended test procedure is shown in our Technical Checklist.

### ADDED BENEFIT OF TWIST AND LOCK

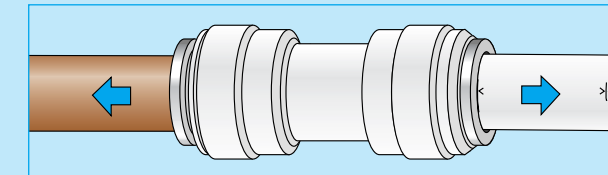


Twist the screwcap until it touches the body flange. This locks the pipe into position and increases the 'O' ring seal around the pipe for greater security.

### STANDARD SPEEDFIT FITTINGS

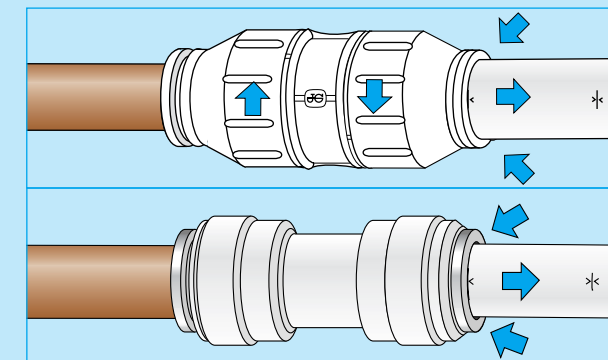


Push the pipe into the fitting, up to the pipe stop. If the Speedfit Pipe has been cut correctly the insertion mark on the pipe will be level with the collet head. The 'O' ring on the Superseal Pipe Insert provides a secondary seal against the bore of the fitting.



Pull to check connection is secure. It is good practice to test the system prior to leaving the site or before use. Our recommended test procedure is shown in our Technical Checklist.

### TO DISCONNECT



Ensure that the system is depressurized.

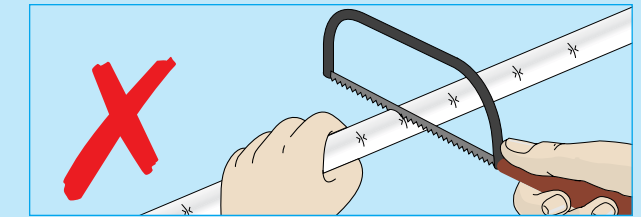
The screwcap on Twist and Lock fitting will need to be turned back to the unlocked position.

Push the collet square against the face of the fitting by using fingers or with the help of our collet release tool.

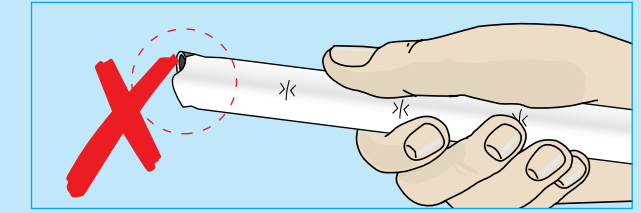
With the collet held in position the pipe can be removed.

The fitting can be reused without the need for replacement parts.

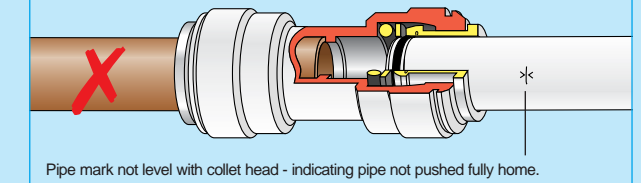
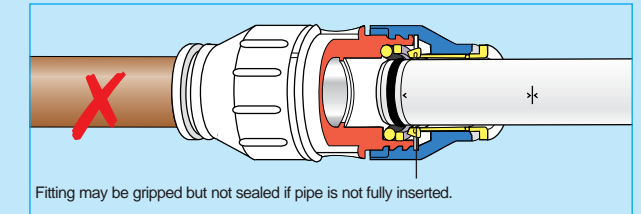
### WHAT NOT TO DO



Don't use hacksaws to cut the pipe or leave burrs on the end of the pipe.



Don't use damaged or scored pipe.



Don't forget to push the pipe fully into the fitting, past both the collet (gripper) and the 'O' ring.

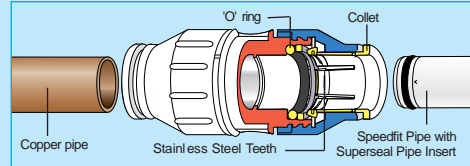
Do not insert fingers into the fitting as the stainless steel teeth may cause injury.

Remember to pressure test the completed installation according to the recommendations in our Technical Checklist.

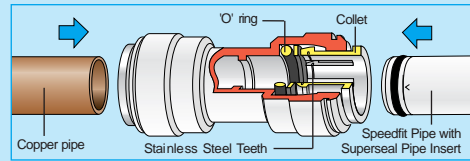
## PLUMBING FITTINGS

John Guest Speedfit reserve the right to change the color and shape of products. Photographs are for illustration purposes only.

### NEW TWIST AND LOCK FITTINGS



### STANDARD FITTINGS



Standard Speedfit Fittings have a collet with stainless steel teeth to grip the pipe and an 'O' ring to provide a permanent leakproof seal.

The additional benefit of Twist and Lock Fittings is that a twist of a screwcap locks the pipe in position and gives greater compression on the 'O' ring for even greater security.

## Union Elbow



PART No.	PIPE Od MM
PEM0310W	10
PEM0315W	15
PEM0322W	22
PEM0328W	28



## Plug-in Elbow



PART No.	PIPE Od MM	STEM Od MM
PEM221010W	10	10
PEM221515W	15	15
PEM222222W	22	22

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



Provides a swivel type connection



## Union Connector



PART No.	PIPE Od MM
PEM0410W	10
PEM0415W	15
PEM0422W	22
PEM0428W	28



## Union Tee



PART No.	PIPE Od MM
PEM0210W	10
PEM0215W	15
PEM0222W	22
PEM0228W	28



## Reducing Union Connector



PART No.	PIPE Od MM
PEM201510W	15 x 10
PEM202215W	22 x 15



## Reducing Tee



Sizes listed as follows.

PART No.	PIPE Od MM
PEM3015AW	15 x 15 x 10
PEM302210AW	22 x 22 x 10
PEM3022AW	22 x 22 x 15
PEM3015BW	15 x 10 x 10
PEM3022BW	22 x 15 x 15
PEM3022CW	15 x 15 x 22
PEM3022DW	22 x 15 x 22
PEM3028AW	28 x 28 x 22
PEM3028BW	28 x 22 x 22
PEM3028DW	28 x 22 x 28



## Reducer



PART No.	STEM Od MM	PIPE Od MM
PEM061510W	15	10
PEM062215W	22	15
PEM062815W	28	15
PEM062822W	28	22



## Straight Tap Connector



PART No.	PIPE Od MM	THREAD BSP
PEMSTC1514	15	1/2"
PEMSTC1516	15	3/4"
PEMSTC2216	22	3/4"

With brass swivel nut and sealing washer. For torque figures see Technical Checklist.



## Bent Tap Connector



PART No.	PIPE Od MM	THREAD BSP
PEMBTC1514	15	1/2"

With brass swivel nut and sealing washer. For torque figures see Technical Checklist.



## Female Connector



PART No.	PIPE Od MM	THREAD BSP
PKM3201W	15	1/2"
PKM3202W	22	3/4"

Note: Plastic threads are not as strong as metal threads. For torque figures see Technical Checklist.



Requires hand tightening only.



## 4 Way Manifold



PART No.	PIPE Od MM
SFMS12210S	22 x 10



## Tank Connector



PART No.	PIPE Od MM
CM0715S	15
CM0722S	22
CM0728S	28

Suitable for cold water tanks only



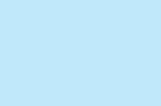
Requires hand tightening only.



## 4 Port Rail Manifold



PART No.	PIPE Od MM
SFMS22210S	22 x 10
SFMS22215S	22 x 15



## Plug



PART No.	PIPE Od MM
PL10	10
PL15	15
PL22	22
PL28	28



## Conversion Union Connector



Connects imperial to metric pipe

PART No.	PIPE Od	PIPE Od
NC471	5/8"	15mm



## Conversion Union Connector



Connects imperial to metric pipe

PART No.	PIPE Od	PIPE Od
NC462	1/2" OD	15mm



## Slip Connector



PART No.	PIPE Od MM
CM-SC-15S	15

Hot and Cold water only, 150°F maximum  
Used to connect pipes where there is no lateral movement. Pipe passes through this fitting to allow connection where lateral movement is restricted.



## Barb Connector



PART No.	PIPE Od MM	HOSE Id INCH
NC448-3/8	15mm	3/8"
NC448	15mm	1/2"
NC473	22mm	3/4"
NC737	22mm	1/2"

Hot and cold water only, 150°F maximum



## FLEXI HOSES

### Flexi Hose



300mm long

PART No.	PIPE Od MM	THREAD BSP
FLX15	15	1/2"
FLX16	15	3/4"
FLX22	22	3/4"



500mm long

PART No.	PIPE Od MM	THREAD BSP
FLX18	15	1/2"
FLX20	15	3/4"
FLX19	22	3/4"
FLX23	22	3/4"

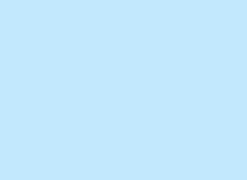
Full Bore  
Hot and Cold water only, 150°F maximum

### Flexi Hose



300mm long

PART No.	PIPE Od MM	PIPE Od MM
FLX17	15	15
FLX26	22	22

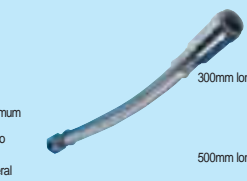


500mm long

PART No.	PIPE Od MM	PIPE Od MM
FLX21	15	15
FLX27	22	22

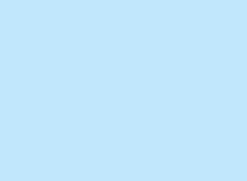
Hot and Cold water only, 150°F maximum

### Flexi Hose with Service Valve



300mm long

PART No.	PIPE Od MM	THREAD BSP
FLX24	15	1/2"
FLX25	22	3/4"



500mm long

PART No.	PIPE Od MM	THREAD BSP
FLX31	15	1/2"
FLX32	22	3/4"

Hot and Cold water only, 150°F maximum

## BRASS FITTINGS

### Brass Male Connector

PART No.	PIPE OD MM	THREAD
MW011504N	15mm x 1/2"	BSPT
MW012206N	22mm x 3/4"	BSPT
MW012808N	28mm x 1"	BSPT
10MC (1/2)	10mm x 1/2"	BSP
15MC (1/2)	15mm x 1/2"	BSP
22MC (3/4)	22mm x 3/4"	BSP
MW012818N	28mm x 1"	BSP

### Brass Male Stem Adapter

PART No.	PIPE OD MM	THREAD
MW051504N	15 x 1/2"	BSPT
MW052206N	22 x 3/4"	BSPT
MW052818N	28 x 1"	BSP
MM052226N	22 x 3/4"	NPT
MM052228N	22 x 1"	NPT
MM052828N	28 x 1"	NPT

Converts Speedfit to male thread

### Brass Female Stem Adapter

PART No.	PIPE OD MM	THREAD
MW501514N	15 x 1/2"	BSP
MW502216N	22 x 3/4"	BSP

Converts Speedfit to female thread

### Brass Male Cylinder Adapter

PART No.	PIPE OD MM	THREAD
22CMA	22 x 1"	BSP

Suitable for central heating systems.

### Brass Female Cylinder Adapter

PART No.	PIPE OD MM	THREAD
22CFA	22 x 1"	BSP

Suitable for central heating systems.

### Brass Rail Manifold

PART No.	PIPE OD MM	ZONE
JGRAIL4	22 x 15	4 ZONE
JGRAIL6	22 x 15	6 ZONE
JGRAIL12	22 x 15	12 ZONE

## VALVES

### Stop Valve

PART No.	PIPE OD MM
15STV	15
22STV	22

Hot and Cold water only, 150°F maximum

### Brass Stop Valve

PART No.	PIPE OD MM
15BSC	15

### Washing Machine Tap

PART No.	PIPE OD MM	THREAD
15APT	15 x 3/4"	BSP

Hot and Cold water only, 150°F maximum  
For maximum torque figures on plastic thread, please see Technical Checklist.

### Emergency Shut Off Tap

PART No.	PIPE OD MM
15 ESOT	15

Hot and Cold water only, 150°F maximum

### Double Check Valve

PART No.	PIPE OD MM
15DCV	15

Hot and Cold water only, 150°F maximum

### Plastic Service Valve

PART No.	PIPE OD MM
15ISV	15

Hot and Cold water only, 150°F maximum

### Brass Service Valve

PART No.	PIPE OD MM
15HSV-BRASS	15

### Brass Chrome Plated Service Valve

PART No.	PIPE OD MM
10HSV	10
15HSV	15
22HSV	22

### Brass Chrome Plated Service Valve with Tap Connector

PART No.	PIPE OD MM	THREAD
15PTSV	15 x 1/2"	BSP
22PTSV	22 x 3/4"	BSP

### Brass Drain Cock

PART No.	PIPE OD MM
15BDC	15

Speedfit Drain Cocks cannot be used where collet covers are fitted. They can be used with a standard fitting fitted with a collet clip.

## PIPE AND PIPE ACCESSORIES

### Speedfit Barrier Pipe

PART No.	PIPE OD MM	METER
10BPEX-25C	10 x 25	25
10BPEX-50C	10 x 50	50
10BPEX-100C	10 x 100	100
15BPEX-25C	15 x 25	25
15BPEX-50C	15 x 50	50
15BPEX-100C	15 x 100	100
22BPEX-25C	22 x 25	25
22BPEX-50C	22 x 50	50
28BPEX-10x3L	28 x 3	3

Straight lengths 3m long

### LLDPE Tube

PART No.	PIPE OD MM	METER
PE-1007-100M-N	10 x 100	Natural
PE-1007-100M-B	10 x 100	Blue
PE-1007-100M-E	10 x 100	Black
PE-1007-100M-R	10 x 100	Red
PE-15115-0100M-B	15 x 100	Blue
PE-15115-0100M-R	15 x 100	Red
PE-15115-0100M-G	15 x 100	Green

### Pipe Insert

PART No.	PIPE OD MM
TSM10N	10
TSM15N	15
TSM22N	22
TSM28N	28

To be used when connecting Speedfit Pipe to a compression fitting. Also for connecting LLDPE Tube to Speedfit Fittings

### Superseal Pipe Insert

PART No.	PIPE OD MM
STS10	10
STS15	15
STS22	22
STS28	28

To be used with Speedfit Pipe and Speedfit fittings, to give enhanced sealing.

### Collet Cover

PART No.	PIPE OD MM
AM1915W	15
PM1915R	15
PM1915B	15
AM1922W	22
PM1922R	22
PM1922B	22

Available in white, red or blue  
For use with standard Speedfit fittings only.

### Collet / Identification Clip

PART No.	SIZE MM
CM1810S Gray	10
CM1815S Gray	15
CM1822S Gray	22

To prevent accidental release of standard Speedfit fittings.

Also available in red or blue to provide color coding of pipe.

Red and blue collet clips should not be used to prevent accidental release  
CM1810R, CM1815R, CM1822R  
CM1810B, CM1815B, CM1822B

### Release Aid

PART No.	PIPE OD MM
10RA	10
15RA	15
22RA	22

Allows a firmer grip on the collet when removing pipe.

### Cold Forming Bend

PART No.	PIPE OD MM
10CFB	10
15CFB	15
22CFB	22



To help create a tighter bend than the minimum unsupported pipe.

### Pipe Clips and Spacers

PART No.	PIPE OD MM
PC15W	15
PC22W	22
PC28W	28
PCSW	

### Nail Clip

PART No.	PIPE OD MM
NPC10	10
NPC15	15
NPC22	22
NPC28	28

### Pipe Cutter

PART No.
JG-TS

For up to 22mm size pipe

### Heavy Duty Pipe Cutter

PART No.
JG HDC
BLADE JGHDC

For up to 28mm size pipe

### EPDM 'O' Ring

PART No.	PIPE OD MM
10 EPR	10
15 EPR	15
22 EPR	22
28 EPR	28

### Display Stand

PART No.	SIZE
JG-STAND-3W	6' x 3'

White metal, products not included.

